2024A

FENGYI 锋宜刀具®

自锁式可换头钻头

Self-locked Moudular Drills



QDRILL®

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ZL.201720774881.1

US100810662B



公司概况
COMPANY PROFILE

成都锋宜精密工具制造有限公司创建于1997年。多年来对螺纹刀具、石油管螺纹刀具、蜗杆旋风铣削刀具、轴承刀具及非标成型刀具进行不断的研究开发，形成了规模化的专业生产能。近年来，又成功开发了涂层硬质合金自锁式可换头钻头"QuickDrill"系列产品。从而创建了以复杂精密成型刀具及孔加工刀具为主的设计,研发,制造及服务的创新驱动发展模式，并逐步得到了市场认可，质量达到了国际先进水平。2006年4月顺利通过了ISO9001：2000质量管理体系认证，2010年被认定为高新技术企业。2020年又成立了成都锋宜银虎数控刀具有限公司，是"FENFYI锋宜" 品牌刀具的研发，生产，销售，服务的基地。

公司位于四川省成都市青白江区欧洲产业城，占地23亩,毗邻成都国际铁路港，地理位置优越、交通便利，环境优美。现拥有员工180余人，各种精密加工检测设备200多台套。包括从瑞士，德国，美国，日本，英国引进的高精密五轴数控工具磨床，光学曲线磨，加工中心，数控车床，全自动刀片钝化设备，PVD涂层设备，刀片钝化值检测仪，涂层微纳米压痕仪，涂层结合力划痕仪，光学检查仪等世界顶级先进设备，以及100多台国产先进的五轴数控磨床，数控周边磨床，成型磨床，加工中心，数控车铣中心等。

在生产管理上，公司于2017年引入并二次开发IBD数字化工厂管理系统。在2018年又引入了积分制数字化管理，极大增强了企业管理软实力。为进一步提高及保证产品质量和进一步提升竞争力打下了良好的基础。

本公司具有年产各种螺纹刀片、梳刀刀片，旋风螺纹刀片，和螺纹铣刀具等二百多万片的生产能力。是国内可转位螺纹车削刀片，可转位螺纹铣削刀片，整体硬质合金螺纹铣刀，深孔螺纹铣刀，石油管螺纹梳刀的优秀供应商，是国内螺纹刀具品种规格最全的供应商。具有涂层硬质合金自锁式可换头钻头 "QuickDrill" 系列产品一百多万件的生产能力。在国内市场份额中，占据了国产的最大份额。本公司产品广泛应用在汽车，工程机械，能源，交通等多个行业的零部件数控制造工厂中，得到了市场认可，并远销欧美，俄罗斯，中东，南美，日韩，东南亚各国及台湾地区，深受新老客户的欢迎。

在严酷的市场竞争形势下，我们将发挥自强不息，奋发有为的创业精神；发扬"一心专注，精心磨砺"的严谨作风，不断研发新产品，提高产品质量，创优质品牌，以满足国内外用户的需求。相信通过我们的努力，定能成为你良好的合作伙伴。

Chengdu Fengyi Precision Tool Manufacture Co.,Ltd was founded in 1997. The company has constantly devoted to the research and development of threading tools, oil pipe thread Chasers, worm whirling milling tools, bearing profile cutting tools and customized profile tools. and also has developed the latest drill line-"QuickDrill " ,a self-locked modular drill for the past few years. Then it has stepped on to the innovation driven road of business model with focusing on research,design, producing,marketing and service of the complicated & precise profile cutting tools & hole-making tools, and gradually approved by the market. Its product quality and performance have ensured international market standards and presence. The company was awarded ISO9001:2000 certificate in 2006 and Hi-Tech enterprise certificate in 2010 in China. Fengyi Yinhu(ChengDu) CNC tool Co.,Ltd was founded in 2020,which is the center of the research ,manufacture and marketing and service of "FENGYI" tools .

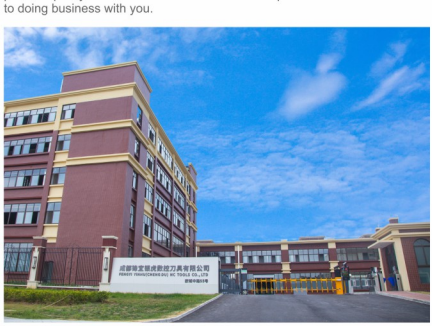
Fengyi is located in the Qinbaijiang district Europe Industry City of Chengdu, Sichuan. it occupies over 15731 square meters, adjacent to the Chengdu Sino-Euro international Railway Port, Situated in natural geographical surrounding and convenient transportation. It has employs 180 employees and owns more than 200 sets of precision machining and test equipment including most advanced 5 axis CNC grinding machines, optical profile grinding machines ,machining centers , CNC lathes ,automatic insert honing machines, PVD coating units , insert honing inspection device,coating thin film micro-nano indentation device and coating film adhesion scratch tester, optical checking instrument from Switzerland, Germany, US, Japan, UK ,and more than 100 advanced domestic automatic periphery grinding machines ,5 axis CNC grinding machines, machining centers , form grinding machines etc.

In terms of production management, the company introduced and redeveloped IBD digital factory management system in 2017. The merit point management system was introduced in 2018, which greatly enhanced the soft power of enterprise management. It lays a good foundation for further improving and ensuring product quality and further enhancing competitiveness.

The company has an annual production capacity of more than two million pieces of various threading inserts, thread chasers, worm whirling milling inserts, and thread milling tools etc. It is an excellent supplier of domestic thread turning inserts, thread milling inserts, solid carbide thread milling cutters, deep hole thread milling tools and oil pipe thread Chasers. Fengyi uniquely offers a full product line of whole kinds of thread inserts, tool holders and accessories in China and It has the production capacity of more than one million pieces of carbide self-locked modular drills. In the domestic market, it occupies the largest market share of the domestic those .

Our products are widely used in CNC manufacturing workshops in automobile, engineering machinery, energy, transportation and other industries, which have been recognized by the market and exported to Europe, North America, Russia , Middle East, South America, Southeast Asian countries, South Korean , Japan etc. and are well received by new and old customers.

In a competitive market environment, Fengyi applies its pioneering spirit, self-discipline, and determination and relentlessly pursue perfection in order to achieve its goal: excellence in the field of thread tools manufacture. Fengyi is constantly developing innovative products and improving product quality to meet customer demand and expectations. We are certain that Fengyi will be a satisfying business partner, and we look forward to doing business with you.









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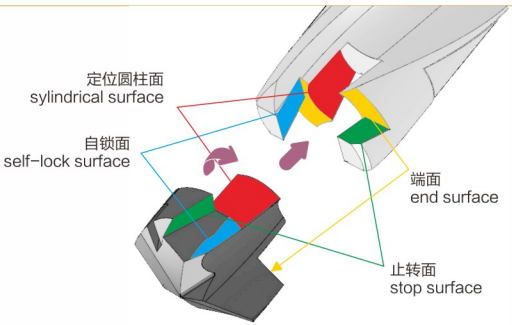
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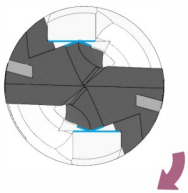
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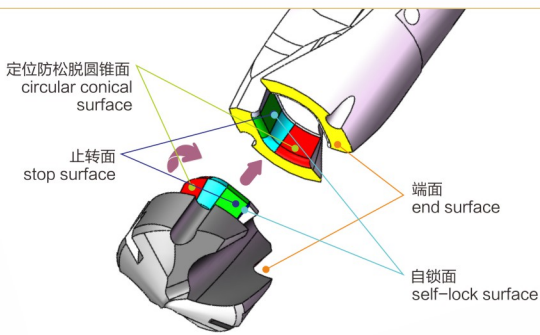
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创新的自锁式装卸方式 Innovation Self-Lock Connecting System



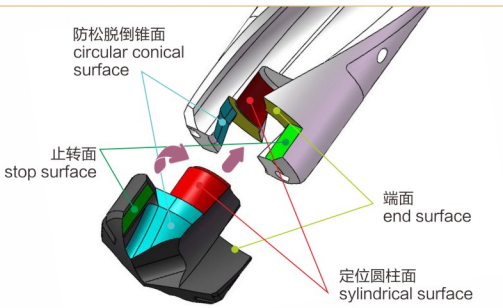
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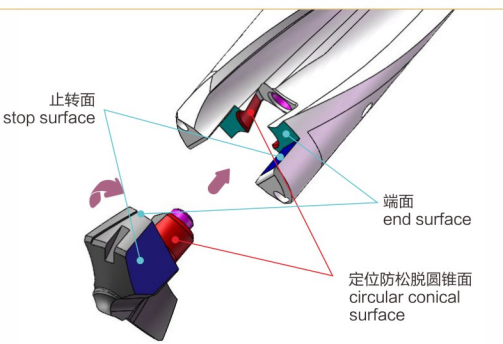


FD系列钻头

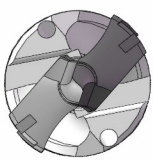
创新的自锁式装卸方式 Innovation Self-Lock Connecting System



CD系列钻头



LD系列钻头



可快速更换刀头 No Set-up Time for Changing Cutting Head



无需从机床取下刀体，可方便快捷地在机床上更换刀头
The cutting head can be changed in the machine tool,
No need to take the toolholder out from the spindle

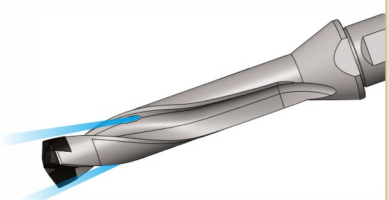
完美的抛光刀体 Perfect Polished Toolholders

抛光刀体排屑槽，使切屑更容易排出。
Toolholder flutes polished let chips evacuate easily



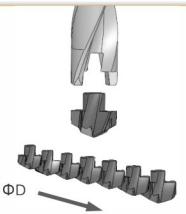
带内冷却水孔的刀体 Toolholders with Coolant

带内冷却孔的设计，使刀头钻削时冷却更充分，刀头寿命更长,切屑更容易排出。
Coolant makes cutting head life much longer and also high pressure cooling liquid pushes chips to evacuate quickly



高互换性，管理更柔性　Interchangeability and Flexibility

同一刀体可装不同尺寸刀头，可减少刀体数量，刀头与刀体完全互换。
Different cutting diameter heads can be fixed into one toolholder so as to reduce the number of toolholder, and cutting heads and toolholders are interchangeable totally

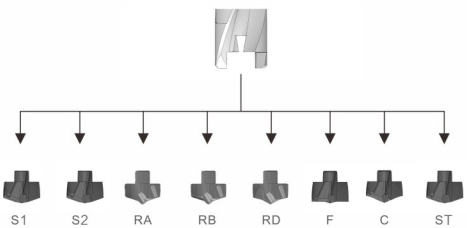


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Min:0.0　　Max:0.9

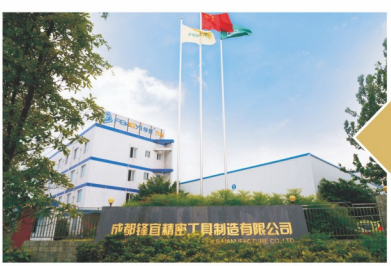
多种钻尖可供选择　Different Drilling Edges are Avaiable

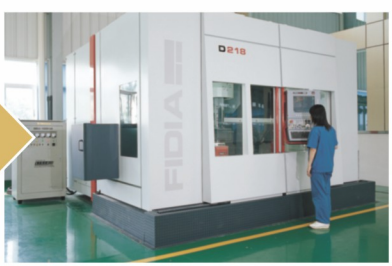
可选择不同被加工材料和不同用途的钻尖型式，S1，S2，RA，RB，RD，F，C，ST.

StandardS1,StandardS2,SpecialRA, SpecialRB,SpecialRD, flat F, self-centering C and universal head ST cutting heads are available.



增值服务　Resharpening Service





提供刀头返厂重磨服务，为用户进一步减少刀具使用成本。
Supply resharpening cutting head service for customers to cut cast

怎样装刀头(QD/FD/CD/LD) How To Attach Cutting Heads (Mono Tip 系列 Mono Tip Line)



1

把刀杆装在刀柄上,刀柄装在机床或刀具预调仪上,以便安装刀头

Fix drill holder on arbor For cutting head exchange,fix arbor on the machine or set on toolpresetter



2

用压缩空气清洁刀槽

Remove dust using air blast



3

把刀头放进刀槽（戴上手套以防划伤）

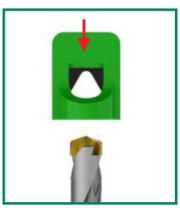
Put a cutting head into drill holder.(Use gloves to protect your hand from any danger)



4

轻轻顺时针方向转动（戴上手套以防划伤）

Turn lightly in a clockwise direction (Use gloves to protect your hand from any danger)



5

选用合适的扳手

Set the wrench properly

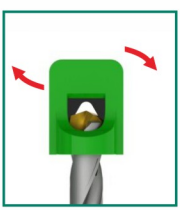


6

确认扳手卡入扳手槽中

Make sure the wrench fits with cutting head's slot for the wrench





7

继续顺时针方向转动，用力转到直转面锁紧为止

Turn the wrench in a clockwise direction slowly, then turn strongly untill cutting head won't move



8

完成

Complete

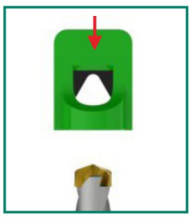
怎样卸刀头 How To Detach Cutting Heads (Mono Tip 系列 Mono Tip Line)



1

用压缩空气清洁刀头

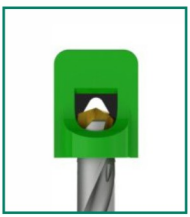
Remove dust from cutting head using air blast



2

选用合适的扳手

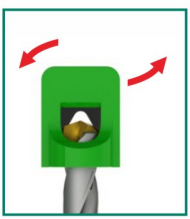
Set the wrench roperly



3

确认扳手卡入扳手槽中

Fit the wrench to cutting head slot



4

反时针方向转动扳手

Turn the wrench in a counter-clockwise direction



5

一旦失去自锁，用手转动刀头（戴上手套以防划伤）

Once self-lock is released,cutting head can be turned by fingers (Use gloves to protect your hand from any danger)



6

取下刀头（戴上手套以防划伤）

Remove cutting head (Use gloves to protect your hand from any danger)

怎样装刀头(QD/FD/CD/LD) How To Attach Cutting Heads (Multi Tip 系列 Multi Tip Line)



1

把刀杆装在刀柄上,刀柄装在机床或刀具预调仪上,以便安装刀头

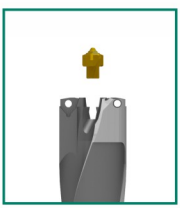
Fix drill holder on arbor For cutting head exchange,fix arbor on the machine or set on toolpresetter



2

用压缩空气清洁刀槽

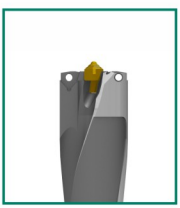
Remove dust using air blast



3

把刀头放进刀槽（戴上手套以防划伤）

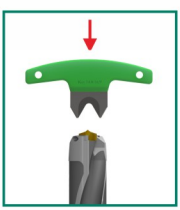
Put a cutting head into drill holder.(Use gloves to protect your hand from any danger)



4

轻轻顺时针方向转动（戴上手套以防划伤）

Turn lightly in a clockwise direction (Use gloves to protect your hand from any danger)



5

选用合适的扳手

Set the wrench properly

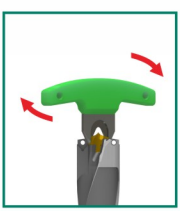


6

确认扳手卡入扳手槽中

Make sure the wrench fits with cutting head's slot for the wrench

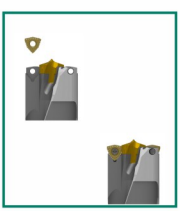




7

继续顺时针方向转动，用力转过自锁位直到锁紧为止

Turn the wrench in a clockwise direction slowly, then turn strongly while passing self-locked face untill cutting head won't move



8

将扩孔刀片放入刀槽，并用螺丝钉固定

Take two side inserts into the seats,and tighten the screws with the wrench

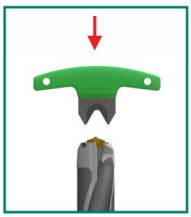
怎样卸刀头 How To Detach Cutting Heads (Multi Tip 系列 Multi Tip Line)



1

用压缩空气清洁刀头

Remove dust from cutting head using air blast



2

选用合适的扳手

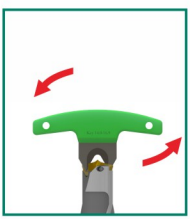
Set the wrench roperly



3

确认扳手卡入扳手槽中

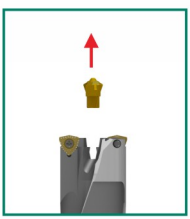
Fit the wrench to cutting head slot



4

反时针方向转动扳手

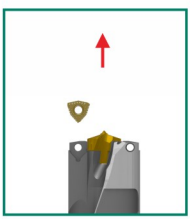
Turn the wrench in a counter-clockwise direction



5

一旦失去自锁，用手转动刀头,并取下刀头（戴上手套以防划伤）

Once self-lock is released,cutting head can be turned by fingers and remove cutting head (Use gloves to protect your hand from any danger)

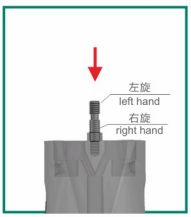


6

取下扩孔刀片

Remove two side inserts with the wrench

分体式钻杆的安装 How To Fix The Modular Tool Holder (Multi Tip 系列 Multi Tip Line)



1

将双头螺钉旋入杆部3圈。使旋入杆部剩余螺纹长度与左旋螺纹长度大致相等。

Screw the right hand thread into the screw hole of the holer unit three circles,let the length of left hand thread approximately be egual to the leagth of right hand thread.



2

将头部模块结合部对准杆部模块结合部。

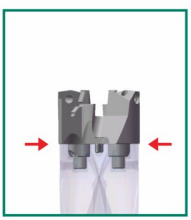
Put the cutting unit outo the holder unit exactly.



3

用扳手以适当的力顺时针方向旋转双头螺钉拧紧，保证头部模块与杆部模块完全结合,避免钻孔时刀体振动引起双头螺钉松动。

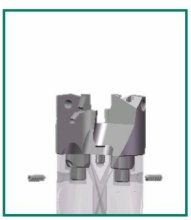
Tighten the screw clockwise using a wench and make sure close contact between the cutting unit and the holder unit.



4

用0.01mm塞尺，检查头部模块与杆部模块结合部位，以保证接合部位无任何间隙。

Check the gap between the cutting unit and the holder unit using a 0.01mm filler gauge,make sure no any gap.



5

将紧定螺钉旋入杆部模块螺钉孔。

Screw the two screws into the holder unit .



6

用适当的力拧紧螺钉，防止钻削时螺钉松动。

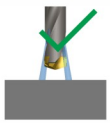
tigten two screws using a wench.

强烈建议：刀体使用一段时间之后，要经常检查三个螺丝钉是否松动，有松动的情况，必须再次拧紧后使用。

Stronly recommended that the screws are checked often for loosening after drilling.

冷却 Coolant

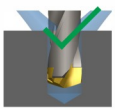
1



强烈推荐使用带内冷却的机床

Strongly recommend to use inner coolant

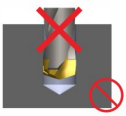
2



在外冷却的情况下，建议钻削不大于3D的孔.

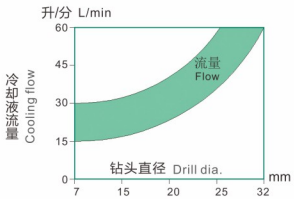
If only outer coolant, just drill holes for less than 3D

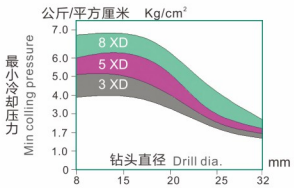
3



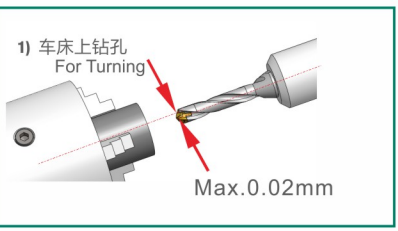
严禁用于干切削

Strictly prohibited for dry drilling



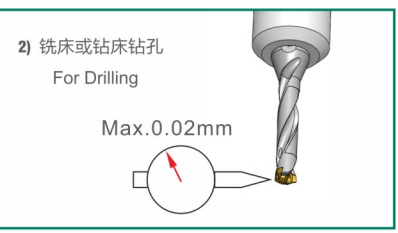


应用警示 Usage Precautions core deviation



工件与转头偏心量不大于0.02毫米

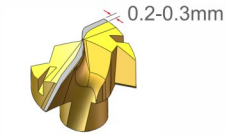
Set deviation amount under0.02mm between the workpiece and the drill



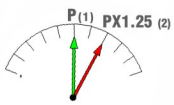
禁止使用粗糙的刀柄。刀柄的偏心量不大于0.02毫米

Do not use any arbor with a deformed attachment surface.
Center of arbor deviation must be within 0.02mm

钻头更换判断标准 Indication of Cutting Head Wear

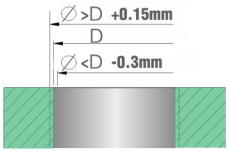


a) 磨损极限
Wear Limit

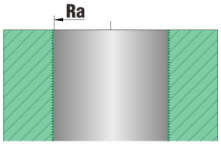


b) 功耗
Power Restriction

(1)新钻头 New cutting head
(2)磨损钻头比新钻头大25%
Increase 25% for wore-out cutting head



c) 孔径变化大
Diameter Change

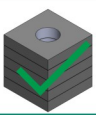


d) 光洁度急剧变差
Surface Finish Deterioration

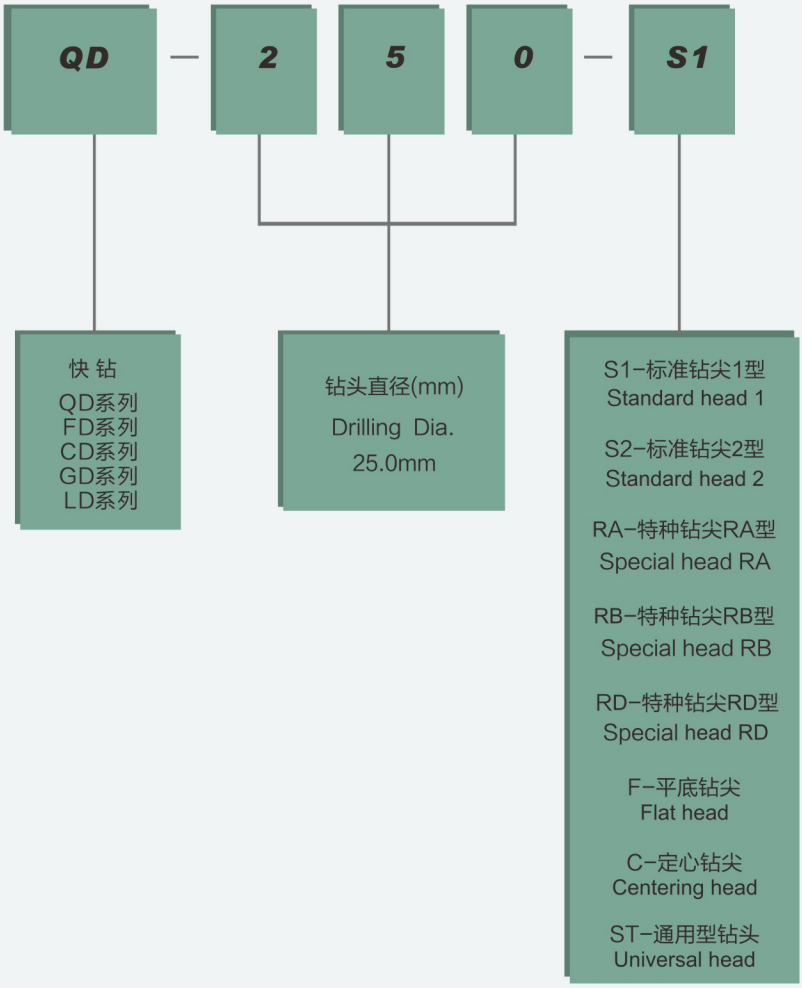


e) 振动噪音急剧上升
Vibration Noise
Drastically Increases

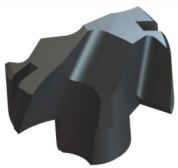
应用 Application

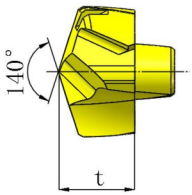
推荐应用 Application Recommendation	工件形状 Workpiece Shape	不推荐应用 Application Not Recommendation	工件形状 Workpiece Shape
平面孔 推荐 Flat Face Recommended		重叠孔 禁用 Hole Expansion Not Recommended	
叠板孔 重叠加固可用 Stacked Plates Recommended(absolutely don't move between plates)		斜面孔 禁用 Slanted Surface Not Recommended	
曲面孔 减少进给量一半可用 Concave Surface Recommended(reduce a half of feed tate as narmal)		半边孔 禁用 Half Cylindrical Not Recommended	
管壁孔 过管中心可用 Pipe Material Recommended		型芯孔 禁用 Cored Hole Not Recommended	

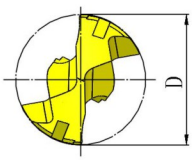
Mono Tip系列自锁式可换头钻头刀头编码系统 Mono Tip Line Drilling Head Ordering Code System



QD. . . S1 标准钻尖S1型 Standard Drilling Head S1







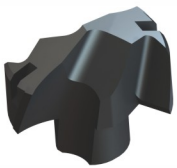
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-080-S1	8.0	5.4	QD080/089-12-..D-..
QD-081-S1	8.1	5.4	
QD-082-S1	8.2	5.4	
QD-083-S1	8.3	5.4	
QD-084-S1	8.4	5.4	
QD-085-S1	8.5	5.4	
QD-086-S1	8.6	5.4	
QD-087-S1	8.7	5.4	
QD-088-S1	8.8	5.4	
QD-089-S1	8.9	5.4	
QD-090-S1	9.0	5.8	QD090/099-12-..D-..
QD-091-S1	9.1	5.8	
QD-092-S1	9.2	5.8	
QD-093-S1	9.3	5.8	
QD-094-S1	9.4	5.8	
QD-095-S1	9.5	5.8	
QD-096-S1	9.6	5.8	
QD-097-S1	9.7	5.8	
QD-098-S1	9.8	5.8	
QD-099-S1	9.9	5.8	
QD-100-S1	10.0	6.2	QD100/109-16-..D-..
QD-101-S1	10.1	6.2	
QD-102-S1	10.2	6.2	
QD-103-S1	10.3	6.2	
QD-104-S1	10.4	6.2	
QD-105-S1	10.5	6.2	
QD-106-S1	10.6	6.2	
QD-107-S1	10.7	6.2	
QD-108-S1	10.8	6.2	
QD-109-S1	10.9	6.2	

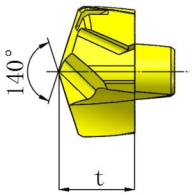
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-110-S1	11.0	6.6	QD110/119-16-..D-..
QD-111-S1	11.1	6.6	
QD-112-S1	11.2	6.6	
QD-113-S1	11.3	6.6	
QD-114-S1	11.4	6.6	
QD-115-S1	11.5	6.6	
QD-116-S1	11.6	6.6	
QD-117-S1	11.7	6.6	
QD-118-S1	11.8	6.6	
QD-119-S1	11.9	6.6	
QD-120-S1	12.0	7.0	QD120/129-16-..D-..
QD-121-S1	12.1	7.0	
QD-122-S1	12.2	7.0	
QD-123-S1	12.3	7.0	
QD-124-S1	12.4	7.0	
QD-125-S1	12.5	7.0	
QD-126-S1	12.6	7.0	
QD-127-S1	12.7	7.0	
QD-128-S1	12.8	7.0	
QD-129-S1	12.9	7.0	
QD-130-S1	13.0	7.6	QD130/139-16-..D-..
QD-131-S1	13.1	7.6	
QD-132-S1	13.2	7.6	
QD-133-S1	13.3	7.6	
QD-134-S1	13.4	7.6	
QD-135-S1	13.5	7.6	
QD-136-S1	13.6	7.6	
QD-137-S1	13.7	7.6	
QD-138-S1	13.8	7.6	
QD-139-S1	13.9	7.6	

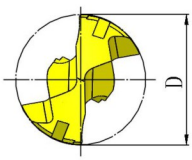
注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）

Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

QD. . . S1 标准钻尖S1型 Standard Drilling Head S1







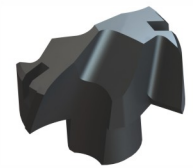
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-140-S1	14.0	8.1	QD140/149-16-..D-..
QD-141-S1	14.1	8.1	
QD-142-S1	14.2	8.1	
QD-143-S1	14.3	8.1	
QD-144-S1	14.4	8.1	
QD-145-S1	14.5	8.1	
QD-146-S1	14.6	8.1	
QD-147-S1	14.7	8.1	
QD-148-S1	14.8	8.1	
QD-149-S1	14.9	8.1	
QD-150-S1	15.0	8.7	QD150/159-20-..D-..
QD-151-S1	15.1	8.7	
QD-152-S1	15.2	8.7	
QD-153-S1	15.3	8.7	
QD-154-S1	15.4	8.7	
QD-155-S1	15.5	8.7	
QD-156-S1	15.6	8.7	
QD-157-S1	15.7	8.7	
QD-158-S1	15.8	8.7	
QD-159-S1	15.9	8.7	
QD-160-S1	16.0	9.3	QD160/169-20-..D-..
QD-161-S1	16.1	9.3	
QD-162-S1	16.2	9.3	
QD-163-S1	16.3	9.3	
QD-164-S1	16.4	9.3	
QD-165-S1	16.5	9.3	
QD-166-S1	16.6	9.3	
QD-167-S1	16.7	9.3	
QD-168-S1	16.8	9.3	
QD-169-S1	16.9	9.3	

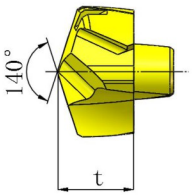
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-170-S1	17.0	9.9	QD170/179-20-..D-..
QD-171-S1	17.1	9.9	
QD-172-S1	17.2	9.9	
QD-173-S1	17.3	9.9	
QD-174-S1	17.4	9.9	
QD-175-S1	17.5	9.9	
QD-176-S1	17.6	9.9	
QD-177-S1	17.7	9.9	
QD-178-S1	17.8	9.9	
QD-179-S1	17.9	9.9	
QD-180-S1	18.0	10.5	QD180/189-25-..D-..
QD-181-S1	18.1	10.5	
QD-182-S1	18.2	10.5	
QD-183-S1	18.3	10.5	
QD-184-S1	18.4	10.5	
QD-185-S1	18.5	10.5	
QD-186-S1	18.6	10.5	
QD-187-S1	18.7	10.5	
QD-188-S1	18.8	10.5	
QD-189-S1	18.9	10.5	
QD-190-S1	19.0	11.0	QD190/199-25-..D-..
QD-191-S1	19.1	11.0	
QD-192-S1	19.2	11.0	
QD-193-S1	19.3	11.0	
QD-194-S1	19.4	11.0	
QD-195-S1	19.5	11.0	
QD-196-S1	19.6	11.0	
QD-197-S1	19.7	11.0	
QD-198-S1	19.8	11.0	
QD-199-S1	19.9	11.0	

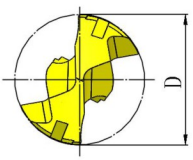
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QD. . . S1 标准钻尖S1型 Standard Drilling Head S1







订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-200-S1	20.0	11.6	QD200/209-25-..D-..
QD-201-S1	20.1	11.6	
QD-202-S1	20.2	11.6	
QD-203-S1	20.3	11.6	
QD-204-S1	20.4	11.6	
QD-205-S1	20.5	11.6	
QD-206-S1	20.6	11.6	
QD-207-S1	20.7	11.6	
QD-208-S1	20.8	11.6	
QD-209-S1	20.9	11.6	
QD-210-S1	21.0	12.1	QD210/219-25-..D-..
QD-211-S1	21.1	12.1	
QD-212-S1	21.2	12.1	
QD-213-S1	21.3	12.1	
QD-214-S1	21.4	12.1	
QD-215-S1	21.5	12.1	
QD-216-S1	21.6	12.1	
QD-217-S1	21.7	12.1	
QD-218-S1	21.8	12.1	
QD-219-S1	21.9	12.1	
QD-220-S1	22.0	12.7	QD220/229-25-..D-..
QD-221-S1	22.1	12.7	
QD-222-S1	22.2	12.7	
QD-223-S1	22.3	12.7	
QD-224-S1	22.4	12.7	
QD-225-S1	22.5	12.7	
QD-226-S1	22.6	12.7	
QD-227-S1	22.7	12.7	
QD-228-S1	22.8	12.7	
QD-229-S1	22.9	12.7	

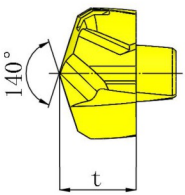
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-230-S1	23.0	13.3	QD230/239-32-..D-..
QD-231-S1	23.1	13.3	
QD-232-S1	23.2	13.3	
QD-233-S1	23.3	13.3	
QD-234-S1	23.4	13.3	
QD-235-S1	23.5	13.3	
QD-236-S1	23.6	13.3	
QD-237-S1	23.7	13.3	
QD-238-S1	23.8	13.3	
QD-239-S1	23.9	13.3	
QD-240-S1	24.0	13.9	QD240/249-32-..D-..
QD-241-S1	24.1	13.9	
QD-242-S1	24.2	13.9	
QD-243-S1	24.3	13.9	
QD-244-S1	24.4	13.9	
QD-245-S1	24.5	13.9	
QD-246-S1	24.6	13.9	
QD-247-S1	24.7	13.9	
QD-248-S1	24.8	13.9	
QD-249-S1	24.9	13.9	
QD-250-S1	25.0	14.5	QD250/260-32-..D-..
QD-251-S1	25.1	14.5	
QD-252-S1	25.2	14.5	
QD-253-S1	25.3	14.5	
QD-254-S1	25.4	14.5	
QD-255-S1	25.5	14.5	
QD-256-S1	25.6	14.5	
QD-257-S1	25.7	14.5	
QD-258-S1	25.8	14.5	
QD-259-S1	25.9	14.5	
QD-260-S1	26.0	14.5	

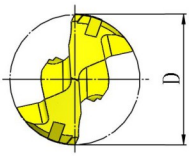
注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）

Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

QD. . . S2 标准钻尖S2型 Standard Drilling Head S2







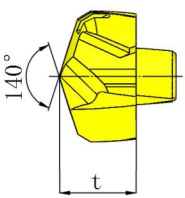
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-080-S2	8.0	5.4	QD080/089-12-..D-..
QD-081-S2	8.1	5.4	
QD-082-S2	8.2	5.4	
QD-083-S2	8.3	5.4	
QD-084-S2	8.4	5.4	
QD-085-S2	8.5	5.4	
QD-086-S2	8.6	5.4	
QD-087-S2	8.7	5.4	
QD-088-S2	8.8	5.4	
QD-089-S2	8.9	5.4	
QD-090-S2	9.0	5.8	QD090/099-12-..D-..
QD-091-S2	9.1	5.8	
QD-092-S2	9.2	5.8	
QD-093-S2	9.3	5.8	
QD-094-S2	9.4	5.8	
QD-095-S2	9.5	5.8	
QD-096-S2	9.6	5.8	
QD-097-S2	9.7	5.8	
QD-098-S2	9.8	5.8	
QD-099-S2	9.9	5.8	
QD-100-S2	10.0	6.2	QD100/109-16-..D-..
QD-101-S2	10.1	6.2	
QD-102-S2	10.2	6.2	
QD-103-S2	10.3	6.2	
QD-104-S2	10.4	6.2	
QD-105-S2	10.5	6.2	
QD-106-S2	10.6	6.2	
QD-107-S2	10.7	6.2	
QD-108-S2	10.8	6.2	
QD-109-S2	10.9	6.2	

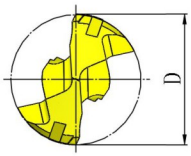
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-110-S2	11.0	6.6	QD110/119-16-..D-..
QD-111-S2	11.1	6.6	
QD-112-S2	11.2	6.6	
QD-113-S2	11.3	6.6	
QD-114-S2	11.4	6.6	
QD-115-S2	11.5	6.6	
QD-116-S2	11.6	6.6	
QD-117-S2	11.7	6.6	
QD-118-S2	11.8	6.6	
QD-119-S2	11.9	6.6	
QD-120-S2	12.0	7.0	QD120/129-16-..D-..
QD-121-S2	12.1	7.0	
QD-122-S2	12.2	7.0	
QD-123-S2	12.3	7.0	
QD-124-S2	12.4	7.0	
QD-125-S2	12.5	7.0	
QD-126-S2	12.6	7.0	
QD-127-S2	12.7	7.0	
QD-128-S2	12.8	7.0	
QD-129-S2	12.9	7.0	
QD-130-S2	13.0	7.6	QD130/139-16-..D-..
QD-131-S2	13.1	7.6	
QD-132-S2	13.2	7.6	
QD-133-S2	13.3	7.6	
QD-134-S2	13.4	7.6	
QD-135-S2	13.5	7.6	
QD-136-S2	13.6	7.6	
QD-137-S2	13.7	7.6	
QD-138-S2	13.8	7.6	
QD-139-S2	13.9	7.6	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

QD. . . S2 标准钻尖S2型 Standard Drilling Head S2







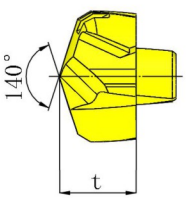
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-140-S2	14.0	8.1	QD140/149-16-..D-..
QD-141-S2	14.1	8.1	
QD-142-S2	14.2	8.1	
QD-143-S2	14.3	8.1	
QD-144-S2	14.4	8.1	
QD-145-S2	14.5	8.1	
QD-146-S2	14.6	8.1	
QD-147-S2	14.7	8.1	
QD-148-S2	14.8	8.1	
QD-149-S2	14.9	8.1	
QD-150-S2	15.0	8.7	QD150/159-20-..D-..
QD-151-S2	15.1	8.7	
QD-152-S2	15.2	8.7	
QD-153-S2	15.3	8.7	
QD-154-S2	15.4	8.7	
QD-155-S2	15.5	8.7	
QD-156-S2	15.6	8.7	
QD-157-S2	15.7	8.7	
QD-158-S2	15.8	8.7	
QD-159-S2	15.9	8.7	
QD-160-S2	16.0	9.3	QD160/169-20-..D-..
QD-161-S2	16.1	9.3	
QD-162-S2	16.2	9.3	
QD-163-S2	16.3	9.3	
QD-164-S2	16.4	9.3	
QD-165-S2	16.5	9.3	
QD-166-S2	16.6	9.3	
QD-167-S2	16.7	9.3	
QD-168-S2	16.8	9.3	
QD-169-S2	16.9	9.3	

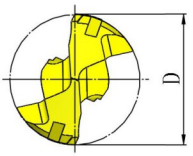
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-170-S2	17.0	9.9	QD170/179-20-..D-..
QD-171-S2	17.1	9.9	
QD-172-S2	17.2	9.9	
QD-173-S2	17.3	9.9	
QD-174-S2	17.4	9.9	
QD-175-S2	17.5	9.9	
QD-176-S2	17.6	9.9	
QD-177-S2	17.7	9.9	
QD-178-S2	17.8	9.9	
QD-179-S2	17.9	9.9	
QD-180-S2	18.0	10.5	QD180/189-25-..D-..
QD-181-S2	18.1	10.5	
QD-182-S2	18.2	10.5	
QD-183-S2	18.3	10.5	
QD-184-S2	18.4	10.5	
QD-185-S2	18.5	10.5	
QD-186-S2	18.6	10.5	
QD-187-S2	18.7	10.5	
QD-188-S2	18.8	10.5	
QD-189-S2	18.9	10.5	
QD-190-S2	19.0	11.0	QD190/199-25-..D-..
QD-191-S2	19.1	11.0	
QD-192-S2	19.2	11.0	
QD-193-S2	19.3	11.0	
QD-194-S2	19.4	11.0	
QD-195-S2	19.5	11.0	
QD-196-S2	19.6	11.0	
QD-197-S2	19.7	11.0	
QD-198-S2	19.8	11.0	
QD-199-S2	19.9	11.0	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

QD. . . S2 标准钻尖S2型 Standard Drilling Head S2





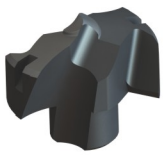


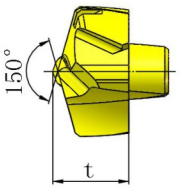
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-200-S2	20.0	11.6	QD200/209-25-..D-..
QD-201-S2	20.1	11.6	
QD-202-S2	20.2	11.6	
QD-203-S2	20.3	11.6	
QD-204-S2	20.4	11.6	
QD-205-S2	20.5	11.6	
QD-206-S2	20.6	11.6	
QD-207-S2	20.7	11.6	
QD-208-S2	20.8	11.6	
QD-209-S2	20.9	11.6	
QD-210-S2	21.0	12.1	QD210/219-25-..D-..
QD-211-S2	21.1	12.1	
QD-212-S2	21.2	12.1	
QD-213-S2	21.3	12.1	
QD-214-S2	21.4	12.1	
QD-215-S2	21.5	12.1	
QD-216-S2	21.6	12.1	
QD-217-S2	21.7	12.1	
QD-218-S2	21.8	12.1	
QD-219-S2	21.9	12.1	
QD-220-S2	22.0	12.7	QD220/229-25-..D-..
QD-221-S2	22.1	12.7	
QD-222-S2	22.2	12.7	
QD-223-S2	22.3	12.7	
QD-224-S2	22.4	12.7	
QD-225-S2	22.5	12.7	
QD-226-S2	22.6	12.7	
QD-227-S2	22.7	12.7	
QD-228-S2	22.8	12.7	
QD-229-S2	22.9	12.7	

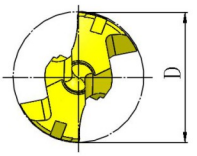
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-230-S2	23.0	13.3	QD230/239-32-..D-..
QD-231-S2	23.1	13.3	
QD-232-S2	23.2	13.3	
QD-233-S2	23.3	13.3	
QD-234-S2	23.4	13.3	
QD-235-S2	23.5	13.3	
QD-236-S2	23.6	13.3	
QD-237-S2	23.7	13.3	
QD-238-S2	23.8	13.3	
QD-239-S2	23.9	13.3	
QD-240-S2	24.0	13.9	QD240/249-32-..D-..
QD-241-S2	24.1	13.9	
QD-242-S2	24.2	13.9	
QD-243-S2	24.3	13.9	
QD-244-S2	24.4	13.9	
QD-245-S2	24.5	13.9	
QD-246-S2	24.6	13.9	
QD-247-S2	24.7	13.9	
QD-248-S2	24.8	13.9	
QD-249-S2	24.9	13.9	
QD-250-S2	25.0	14.5	QD250/260-32-..D-..
QD-251-S2	25.1	14.5	
QD-252-S2	25.2	14.5	
QD-253-S2	25.3	14.5	
QD-254-S2	25.4	14.5	
QD-255-S2	25.5	14.5	
QD-256-S2	25.6	14.5	
QD-257-S2	25.7	14.5	
QD-258-S2	25.8	14.5	
QD-259-S2	25.9	14.5	
QD-260-S2	26.0	14.5	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

QD. . . RA 特种钻尖RA型 Special Drilling Head RA







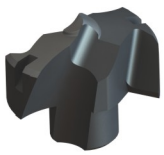
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-080-RA	8.0	5.4	QD080/089-12-..D-..
QD-081-RA	8.1	5.4	
QD-082-RA	8.2	5.4	
QD-083-RA	8.3	5.4	
QD-084-RA	8.4	5.4	
QD-085-RA	8.5	5.4	
QD-086-RA	8.6	5.4	
QD-087-RA	8.7	5.4	
QD-088-RA	8.8	5.4	
QD-089-RA	8.9	5.4	
QD-090-RA	9.0	5.8	QD090/099-12-..D-..
QD-091-RA	9.1	5.8	
QD-092-RA	9.2	5.8	
QD-093-RA	9.3	5.8	
QD-094-RA	9.4	5.8	
QD-095-RA	9.5	5.8	
QD-096-RA	9.6	5.8	
QD-097-RA	9.7	5.8	
QD-098-RA	9.8	5.8	
QD-099-RA	9.9	5.8	
QD-100-RA	10.0	6.2	QD100/109-16-..D-..
QD-101-RA	10.1	6.2	
QD-102-RA	10.2	6.2	
QD-103-RA	10.3	6.2	
QD-104-RA	10.4	6.2	
QD-105-RA	10.5	6.2	
QD-106-RA	10.6	6.2	
QD-107-RA	10.7	6.2	
QD-108-RA	10.8	6.2	
QD-109-RA	10.9	6.2	

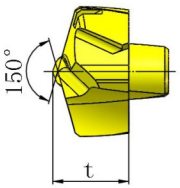
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-110-RA	11.0	6.6	QD110/119-16-..D-..
QD-111-RA	11.1	6.6	
QD-112-RA	11.2	6.6	
QD-113-RA	11.3	6.6	
QD-114-RA	11.4	6.6	
QD-115-RA	11.5	6.6	
QD-116-RA	11.6	6.6	
QD-117-RA	11.7	6.6	
QD-118-RA	11.8	6.6	
QD-119-RA	11.9	6.6	
QD-120-RA	12.0	7.0	QD120/129-16-..D-..
QD-121-RA	12.1	7.0	
QD-122-RA	12.2	7.0	
QD-123-RA	12.3	7.0	
QD-124-RA	12.4	7.0	
QD-125-RA	12.5	7.0	
QD-126-RA	12.6	7.0	
QD-127-RA	12.7	7.0	
QD-128-RA	12.8	7.0	
QD-129-RA	12.9	7.0	
QD-130-RA	13.0	7.6	QD130/139-16-..D-..
QD-131-RA	13.1	7.6	
QD-132-RA	13.2	7.6	
QD-133-RA	13.3	7.6	
QD-134-RA	13.4	7.6	
QD-135-RA	13.5	7.6	
QD-136-RA	13.6	7.6	
QD-137-RA	13.7	7.6	
QD-138-RA	13.8	7.6	
QD-139-RA	13.9	7.6	

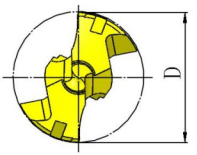
注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

QD. . . RA 特种钻尖RA型 Special Drilling Head RA







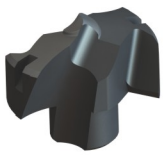
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-140-RA	14.0	8.1	QD140/149-16-..D-..
QD-141-RA	14.1	8.1	
QD-142-RA	14.2	8.1	
QD-143-RA	14.3	8.1	
QD-144-RA	14.4	8.1	
QD-145-RA	14.5	8.1	
QD-146-RA	14.6	8.1	
QD-147-RA	14.7	8.1	
QD-148-RA	14.8	8.1	
QD-149-RA	14.9	8.1	
QD-150-RA	15.0	8.7	QD150/159-20-..D-..
QD-151-RA	15.1	8.7	
QD-152-RA	15.2	8.7	
QD-153-RA	15.3	8.7	
QD-154-RA	15.4	8.7	
QD-155-RA	15.5	8.7	
QD-156-RA	15.6	8.7	
QD-157-RA	15.7	8.7	
QD-158-RA	15.8	8.7	
QD-159-RA	15.9	8.7	
QD-160-RA	16.0	9.3	QD160/169-20-..D-..
QD-161-RA	16.1	9.3	
QD-162-RA	16.2	9.3	
QD-163-RA	16.3	9.3	
QD-164-RA	16.4	9.3	
QD-165-RA	16.5	9.3	
QD-166-RA	16.6	9.3	
QD-167-RA	16.7	9.3	
QD-168-RA	16.8	9.3	
QD-169-RA	16.9	9.3	

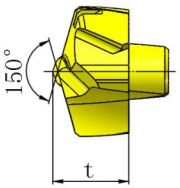
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-170-RA	17.0	9.9	QD170/179-20-..D-..
QD-171-RA	17.1	9.9	
QD-172-RA	17.2	9.9	
QD-173-RA	17.3	9.9	
QD-174-RA	17.4	9.9	
QD-175-RA	17.5	9.9	
QD-176-RA	17.6	9.9	
QD-177-RA	17.7	9.9	
QD-178-RA	17.8	9.9	
QD-179-RA	17.9	9.9	
QD-180-RA	18.0	10.5	QD180/189-25-..D-..
QD-181-RA	18.1	10.5	
QD-182-RA	18.2	10.5	
QD-183-RA	18.3	10.5	
QD-184-RA	18.4	10.5	
QD-185-RA	18.5	10.5	
QD-186-RA	18.6	10.5	
QD-187-RA	18.7	10.5	
QD-188-RA	18.8	10.5	
QD-189-RA	18.9	10.5	
QD-190-RA	19.0	11.0	QD190/199-25-..D-..
QD-191-RA	19.1	11.0	
QD-192-RA	19.2	11.0	
QD-193-RA	19.3	11.0	
QD-194-RA	19.4	11.0	
QD-195-RA	19.5	11.0	
QD-196-RA	19.6	11.0	
QD-197-RA	19.7	11.0	
QD-198-RA	19.8	11.0	
QD-199-RA	19.9	11.0	

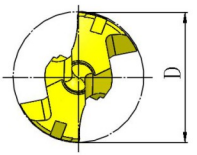
注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

QD. . . RA 特种钻尖RA型 Special Drilling Head RA







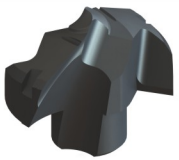
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-200-RA	20.0	11.6	QD200/209-25-..D-..
QD-201-RA	20.1	11.6	
QD-202-RA	20.2	11.6	
QD-203-RA	20.3	11.6	
QD-204-RA	20.4	11.6	
QD-205-RA	20.5	11.6	
QD-206-RA	20.6	11.6	
QD-207-RA	20.7	11.6	
QD-208-RA	20.8	11.6	
QD-209-RA	20.9	11.6	
QD-210-RA	21.0	12.1	QD210/219-25-..D-..
QD-211-RA	21.1	12.1	
QD-212-RA	21.2	12.1	
QD-213-RA	21.3	12.1	
QD-214-RA	21.4	12.1	
QD-215-RA	21.5	12.1	
QD-216-RA	21.6	12.1	
QD-217-RA	21.7	12.1	
QD-218-RA	21.8	12.1	
QD-219-RA	21.9	12.1	
QD-220-RA	22.0	12.7	QD220/229-25-..D-..
QD-221-RA	22.1	12.7	
QD-222-RA	22.2	12.7	
QD-223-RA	22.3	12.7	
QD-224-RA	22.4	12.7	
QD-225-RA	22.5	12.7	
QD-226-RA	22.6	12.7	
QD-227-RA	22.7	12.7	
QD-228-RA	22.8	12.7	
QD-229-RA	22.9	12.7	

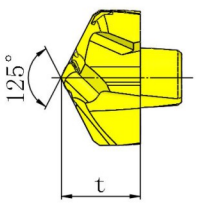
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-230-RA	23.0	13.3	QD230/239-32-..D-..
QD-231-RA	23.1	13.3	
QD-232-RA	23.2	13.3	
QD-233-RA	23.3	13.3	
QD-234-RA	23.4	13.3	
QD-235-RA	23.5	13.3	
QD-236-RA	23.6	13.3	
QD-237-RA	23.7	13.3	
QD-238-RA	23.8	13.3	
QD-239-RA	23.9	13.3	
QD-240-RA	24.0	13.9	QD240/249-32-..D-..
QD-241-RA	24.1	13.9	
QD-242-RA	24.2	13.9	
QD-243-RA	24.3	13.9	
QD-244-RA	24.4	13.9	
QD-245-RA	24.5	13.9	
QD-246-RA	24.6	13.9	
QD-247-RA	24.7	13.9	
QD-248-RA	24.8	13.9	
QD-249-RA	24.9	13.9	
QD-250-RA	25.0	14.5	QD250/260-32-..D-..
QD-251-RA	25.1	14.5	
QD-252-RA	25.2	14.5	
QD-253-RA	25.3	14.5	
QD-254-RA	25.4	14.5	
QD-255-RA	25.5	14.5	
QD-256-RA	25.6	14.5	
QD-257-RA	25.7	14.5	
QD-258-RA	25.8	14.5	
QD-259-RA	25.9	14.5	
QD-260-RA	26.0	14.5	

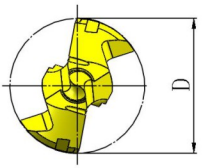
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QD. . . RD 特种钻尖RD型 Special Drilling Head RD







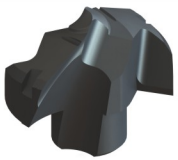
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-080-RD	8.0	5.4	QD080/089-12-..D-..
QD-081-RD	8.1	5.4	
QD-082-RD	8.2	5.4	
QD-083-RD	8.3	5.4	
QD-084-RD	8.4	5.4	
QD-085-RD	8.5	5.4	
QD-086-RD	8.6	5.4	
QD-087-RD	8.7	5.4	
QD-088-RD	8.8	5.4	
QD-089-RD	8.9	5.4	
QD-090-RD	9.0	5.8	QD090/099-12-..D-..
QD-091-RD	9.1	5.8	
QD-092-RD	9.2	5.8	
QD-093-RD	9.3	5.8	
QD-094-RD	9.4	5.8	
QD-095-RD	9.5	5.8	
QD-096-RD	9.6	5.8	
QD-097-RD	9.7	5.8	
QD-098-RD	9.8	5.8	
QD-099-RD	9.9	5.8	
QD-100-RD	10.0	6.2	QD100/109-16-..D-..
QD-101-RD	10.1	6.2	
QD-102-RD	10.2	6.2	
QD-103-RD	10.3	6.2	
QD-104-RD	10.4	6.2	
QD-105-RD	10.5	6.2	
QD-106-RD	10.6	6.2	
QD-107-RD	10.7	6.2	
QD-108-RD	10.8	6.2	
QD-109-RD	10.9	6.2	

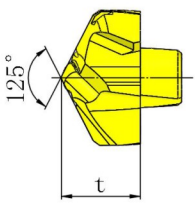
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-110-RD	11.0	6.6	QD110/119-16-..D-..
QD-111-RD	11.1	6.6	
QD-112-RD	11.2	6.6	
QD-113-RD	11.3	6.6	
QD-114-RD	11.4	6.6	
QD-115-RD	11.5	6.6	
QD-116-RD	11.6	6.6	
QD-117-RD	11.7	6.6	
QD-118-RD	11.8	6.6	
QD-119-RD	11.9	6.6	
QD-120-RD	12.0	7.0	QD120/129-16-..D-..
QD-121-RD	12.1	7.0	
QD-122-RD	12.2	7.0	
QD-123-RD	12.3	7.0	
QD-124-RD	12.4	7.0	
QD-125-RD	12.5	7.0	
QD-126-RD	12.6	7.0	
QD-127-RD	12.7	7.0	
QD-128-RD	12.8	7.0	
QD-129-RD	12.9	7.0	
QD-130-RD	13.0	7.6	QD130/139-16-..D-..
QD-131-RD	13.1	7.6	
QD-132-RD	13.2	7.6	
QD-133-RD	13.3	7.6	
QD-134-RD	13.4	7.6	
QD-135-RD	13.5	7.6	
QD-136-RD	13.6	7.6	
QD-137-RD	13.7	7.6	
QD-138-RD	13.8	7.6	
QD-139-RD	13.9	7.6	

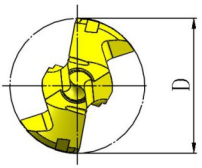
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QD. . . RD 特种钻尖RD型 Special Drilling Head RD







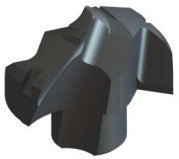
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-140-RD	14.0	8.1	QD140/149-16-..D-..
QD-141-RD	14.1	8.1	
QD-142-RD	14.2	8.1	
QD-143-RD	14.3	8.1	
QD-144-RD	14.4	8.1	
QD-145-RD	14.5	8.1	
QD-146-RD	14.6	8.1	
QD-147-RD	14.7	8.1	
QD-148-RD	14.8	8.1	
QD-149-RD	14.9	8.1	
QD-150-RD	15.0	8.7	QD150/159-20-..D-..
QD-151-RD	15.1	8.7	
QD-152-RD	15.2	8.7	
QD-153-RD	15.3	8.7	
QD-154-RD	15.4	8.7	
QD-155-RD	15.5	8.7	
QD-156-RD	15.6	8.7	
QD-157-RD	15.7	8.7	
QD-158-RD	15.8	8.7	
QD-159-RD	15.9	8.7	
QD-160-RD	16.0	9.3	QD160169-20-..D-..
QD-161-RD	16.1	9.3	
QD-162-RD	16.2	9.3	
QD-163-RD	16.3	9.3	
QD-164-RD	16.4	9.3	
QD-165-RD	16.5	9.3	
QD-166-RD	16.6	9.3	
QD-167-RD	16.7	9.3	
QD-168-RD	16.8	9.3	
QD-169-RD	16.9	9.3	

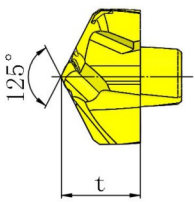
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-170-RD	17.0	9.9	QD170/179-20-..D-..
QD-171-RD	17.1	9.9	
QD-172-RD	17.2	9.9	
QD-173-RD	17.3	9.9	
QD-174-RD	17.4	9.9	
QD-175-RD	17.5	9.9	
QD-176-RD	17.6	9.9	
QD-177-RD	17.7	9.9	
QD-178-RD	17.8	9.9	
QD-179-RD	17.9	9.9	
QD-180-RD	18.0	10.5	QD180/189-25-..D-..
QD-181-RD	18.1	10.5	
QD-182-RD	18.2	10.5	
QD-183-RD	18.3	10.5	
QD-184-RD	18.4	10.5	
QD-185-RD	18.5	10.5	
QD-186-RD	18.6	10.5	
QD-187-RD	18.7	10.5	
QD-188-RD	18.8	10.5	
QD-189-RD	18.9	10.5	
QD-190-RD	19.0	11.0	QD190/199-25-..D-..
QD-191-RD	19.1	11.0	
QD-192-RD	19.2	11.0	
QD-193-RD	19.3	11.0	
QD-194-RD	19.4	11.0	
QD-195-RD	19.5	11.0	
QD-196-RD	19.6	11.0	
QD-197-RD	19.7	11.0	
QD-198-RD	19.8	11.0	
QD-199-RD	19.9	11.0	

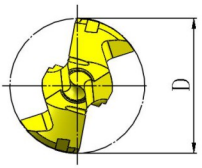
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QD. . . RD 特种钻尖RD型 Special Drilling Head RD







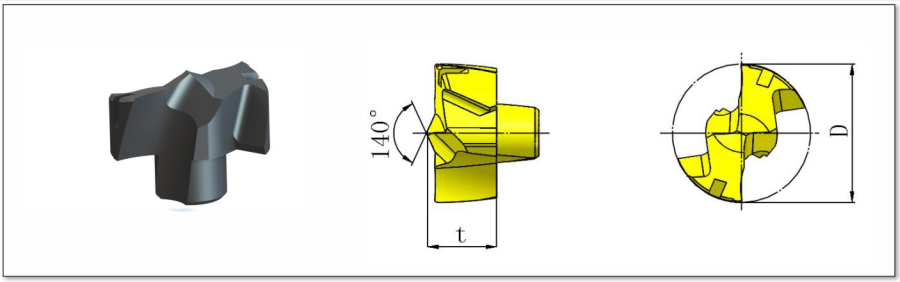
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-200-RD	20.0	11.6	QD200/209-25-..D-..
QD-201-RD	20.1	11.6	
QD-202-RD	20.2	11.6	
QD-203-RD	20.3	11.6	
QD-204-RD	20.4	11.6	
QD-205-RD	20.5	11.6	
QD-206-RD	20.6	11.6	
QD-207-RD	20.7	11.6	
QD-208-RD	20.8	11.6	
QD-209-RD	20.9	11.6	
QD-210-RD	21.0	12.1	QD210/219-25-..D-..
QD-211-RD	21.1	12.1	
QD-212-RD	21.2	12.1	
QD-213-RD	21.3	12.1	
QD-214-RD	21.4	12.1	
QD-215-RD	21.5	12.1	
QD-216-RD	21.6	12.1	
QD-217-RD	21.7	12.1	
QD-218-RD	21.8	12.1	
QD-219-RD	21.9	12.1	
QD-220-RD	22.0	12.7	QD220/229-25-..D-..
QD-221-RD	22.1	12.7	
QD-222-RD	22.2	12.7	
QD-223-RD	22.3	12.7	
QD-224-RD	22.4	12.7	
QD-225-RD	22.5	12.7	
QD-226-RD	22.6	12.7	
QD-227-RD	22.7	12.7	
QD-228-RD	22.8	12.7	
QD-229-RD	22.9	12.7	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-230-RD	23.0	13.3	QD230/239-32-..D-..
QD-231-RD	23.1	13.3	
QD-232-RD	23.2	13.3	
QD-233-RD	23.3	13.3	
QD-234-RD	23.4	13.3	
QD-235-RD	23.5	13.3	
QD-236-RD	23.6	13.3	
QD-237-RD	23.7	13.3	
QD-238-RD	23.8	13.3	
QD-239-RD	23.9	13.3	
QD-240-RD	24.0	13.9	QD240/249-32-..D-..
QD-241-RD	24.1	13.9	
QD-242-RD	24.2	13.9	
QD-243-RD	24.3	13.9	
QD-244-RD	24.4	13.9	
QD-245-RD	24.5	13.9	
QD-246-RD	24.6	13.9	
QD-247-RD	24.7	13.9	
QD-248-RD	24.8	13.9	
QD-249-RD	24.9	13.9	
QD-250-RD	25.0	14.5	QD250/260-32-..D-..
QD-251-RD	25.1	14.5	
QD-252-RD	25.2	14.5	
QD-253-RD	25.3	14.5	
QD-254-RD	25.4	14.5	
QD-255-RD	25.5	14.5	
QD-256-RD	25.6	14.5	
QD-257-RD	25.7	14.5	
QD-258-RD	25.8	14.5	
QD-259-RD	25.9	14.5	
QD-260-RD	26.0	14.5	

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QD. . . F 平底刀头 Flat Cutting Drilling Head

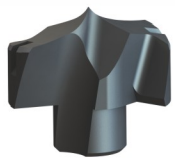


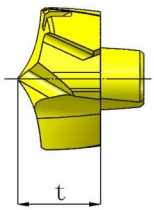
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-080-F	8.0	4.0	QD080-089-12-..D-..
QD-085-F	8.5	4.0	
QD-090-F	9.0	4.2	QD090-099-12-..D-..
QD-095-F	9.5	4.2	
QD-100-F	10.0	4.4	QD100-109-16-..D-..
QD-105-F	10.5	4.4	
QD-110-F	11.0	4.5	QD110-119-16-..D-..
QD-115-F	11.5	4.5	
QD-120-F	12.0	4.8	QD120-129-16-..D-..
QD-125-F	12.5	4.8	
QD-130-F	13.0	5.1	QD130-139-16-..D-..
QD-135-F	13.5	5.1	
QD-140-F	14.0	5.5	QD140-149-16-..D-..
QD-145-F	14.5	5.5	
QD-150-F	15.0	5.9	QD150-159-20-..D-..
QD-155-F	15.5	5.9	
QD-160-F	16.0	6.3	QD160-169-20-..D-..
QD-165-F	16.5	6.3	
QD-170-F	17.0	6.6	QD170-179-20-..D-..
QD-175-F	17.5	6.6	
QD-180-F	18.0	6.9	QD180-189-25-..D-..
QD-185-F	18.5	6.9	
QD-190-F	19.0	7.2	QD190-199-25-..D-..
QD-195-F	19.5	7.2	
QD-200-F	20.0	8.2	QD200-209-25-..D-..
QD-205-F	20.5	8.2	
QD-210-F	21.0	8.6	QD210-219-25-..D-..
QD-215-F	21.5	8.6	
QD-220-F	22.0	8.9	QD220-229-25-..D-..
QD-225-F	22.5	8.9	
QD-230-F	23.0	9.3	QD230-239-32-..D-..
QD-235-F	23.5	9.3	
QD-240-F	24.0	9.7	QD240-249-32-..D-..
QD-245-F	24.5	9.7	
QD-250-F	25.0	10.1	QD250-260-32-..D-..
QD-255-F	25.5	10.1	
QD-260-F	26.0	10.1	

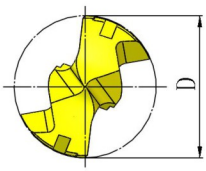
注：F平底钻尖；具有需要锪平的普通钢材盲孔加工，不推荐用于难加工材料直接钻孔

F flat cutting head can be used for drilling blind flat holes of common material holes ,but isn't recommended in drilling difficult-to-machine materials

QD. . . C 定心刀头 Centering Cutting Drilling Head





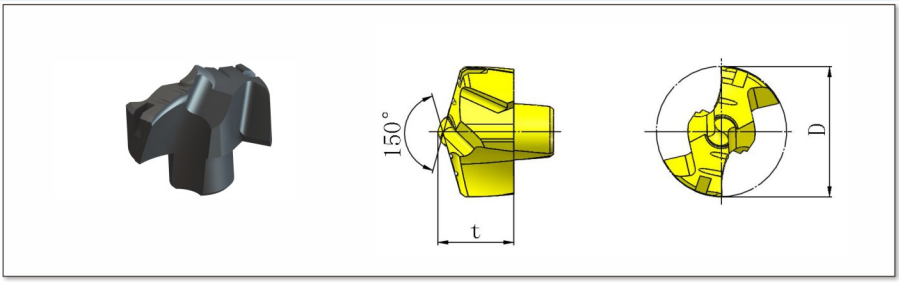


订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-080-C	8.0	5.4	QD080-089-12-..D-..
QD-085-C	8.5	5.4	
QD-090-C	9.0	5.8	QD090-099-12-..D-..
QD-095-C	9.5	5.8	
QD-100-C	10.0	6.2	QD100-109-16-..D-..
QD-105-C	10.5	6.2	
QD-110-C	11.0	6.6	QD110-119-16-..D-..
QD-115-C	11.5	6.6	
QD-120-C	12.0	7.0	QD120-129-16-..D-..
QD-125-C	12.5	7.0	
QD-130-C	13.0	7.6	QD130-139-16-..D-..
QD-135-C	13.5	7.6	
QD-140-C	14.0	8.2	QD140-149-16-..D-..
QD-145-C	14.5	8.2	
QD-150-C	15.0	8.7	QD150-159-20-..D-..
QD-155-C	15.5	8.7	
QD-160-C	16.0	9.3	QD160-169-20-..D-..
QD-165-C	16.5	9.3	
QD-170-C	17.0	9.9	QD170-179-20-..D-..
QD-175-C	17.5	9.9	
QD-180-C	18.0	10.5	QD180-189-25-..D-..
QD-185-C	18.5	10.5	
QD-190-C	19.0	11.0	QD190-199-25-..D-..
QD-195-C	19.5	11.0	
QD-200-C	20.0	11.6	QD200-209-25-..D-..
QD-205-C	20.5	11.6	
QD-210-C	21.0	12.2	QD210-219-25-..D-..
QD-215-C	21.5	12.2	
QD-220-C	22.0	12.8	QD220-229-25-..D-..
QD-225-C	22.5	12.8	
QD-230-C	23.0	13.3	QD230-239-32-..D-..
QD-235-C	23.5	13.3	
QD-240-C	24.0	13.9	QD240-249-32-..D-..
QD-245-C	24.5	13.9	
QD-250-C	25.0	14.5	QD250-260-32-..D-..
QD-255-C	25.5	14.5	
QD-260-C	26.0	14.5	

注：C定心钻尖；具有良好的定心功能的定心钻尖，适用于普通钢材的直接钻孔，不推荐用于难加工材料的钻孔

C self- centering cutting head can be used with excellent centering performance in drilling common metal materials ,but isn't recommended for drilling difficult-to-machine materials

QD. . . RB 特种钻尖RB型 Special Drilling Head RB



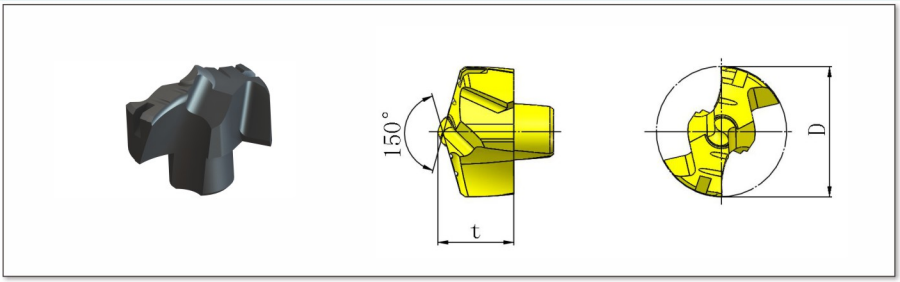
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-080-RB	8.0	5.4	QD080/089-12-..D-..
QD-081-RB	8.1	5.4	
QD-082-RB	8.2	5.4	
QD-083-RB	8.3	5.4	
QD-084-RB	8.4	5.4	
QD-085-RB	8.5	5.4	
QD-086-RB	8.6	5.4	
QD-087-RB	8.7	5.4	
QD-088-RB	8.8	5.4	
QD-089-RB	8.9	5.4	
QD-090-RB	9.0	5.8	QD090/099-12-..D-..
QD-091-RB	9.1	5.8	
QD-092-RB	9.2	5.8	
QD-093-RB	9.3	5.8	
QD-094-RB	9.4	5.8	
QD-095-RB	9.5	5.8	
QD-096-RB	9.6	5.8	
QD-097-RB	9.7	5.8	
QD-098-RB	9.8	5.8	
QD-099-RB	9.9	5.8	
QD-100-RB	10.0	6.2	QD100/109-16-..D-..
QD-101-RB	10.1	6.2	
QD-102-RB	10.2	6.2	
QD-103-RB	10.3	6.2	
QD-104-RB	10.4	6.2	
QD-105-RB	10.5	6.2	
QD-106-RB	10.6	6.2	
QD-107-RB	10.7	6.2	
QD-108-RB	10.8	6.2	
QD-109-RB	10.9	6.2	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-110-RB	11.0	6.6	QD110/119-16-..D-..
QD-111-RB	11.1	6.6	
QD-112-RB	11.2	6.6	
QD-113-RB	11.3	6.6	
QD-114-RB	11.4	6.6	
QD-115-RB	11.5	6.6	
QD-116-RB	11.6	6.6	
QD-117-RB	11.7	6.6	
QD-118-RB	11.8	6.6	
QD-119-RB	11.9	6.6	
QD-120-RB	12.0	7.0	QD120/129-16-..D-..
QD-121-RB	12.1	7.0	
QD-122-RB	12.2	7.0	
QD-123-RB	12.3	7.0	
QD-124-RB	12.4	7.0	
QD-125-RB	12.5	7.0	
QD-126-RB	12.6	7.0	
QD-127-RB	12.7	7.0	
QD-128-RB	12.8	7.0	
QD-129-RB	12.9	7.0	
QD-130-RB	13.0	7.6	QD130/139-16-..D-..
QD-131-RB	13.1	7.6	
QD-132-RB	13.2	7.6	
QD-133-RB	13.3	7.6	
QD-134-RB	13.4	7.6	
QD-135-RB	13.5	7.6	
QD-136-RB	13.6	7.6	
QD-137-RB	13.7	7.6	
QD-138-RB	13.8	7.6	
QD-139-RB	13.9	7.6	

注：RB钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

QD. . . RB 特种钻尖RB型 Special Drilling Head RB



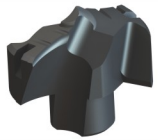
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-140-RB	14.0	8.1	QD140/149-16-..D-..
QD-141-RB	14.1	8.1	
QD-142-RB	14.2	8.1	
QD-143-RB	14.3	8.1	
QD-144-RB	14.4	8.1	
QD-145-RB	14.5	8.1	
QD-146-RB	14.6	8.1	
QD-147-RB	14.7	8.1	
QD-148-RB	14.8	8.1	
QD-149-RB	14.9	8.1	
QD-150-RB	15.0	8.7	QD150/159-20-..D-..
QD-151-RB	15.1	8.7	
QD-152-RB	15.2	8.7	
QD-153-RB	15.3	8.7	
QD-154-RB	15.4	8.7	
QD-155-RB	15.5	8.7	
QD-156-RB	15.6	8.7	
QD-157-RB	15.7	8.7	
QD-158-RB	15.8	8.7	
QD-159-RB	15.9	8.7	
QD-160-RB	16.0	9.3	QD160169-20-..D-..
QD-161-RB	16.1	9.3	
QD-162-RB	16.2	9.3	
QD-163-RB	16.3	9.3	
QD-164-RB	16.4	9.3	
QD-165-RB	16.5	9.3	
QD-166-RB	16.6	9.3	
QD-167-RB	16.7	9.3	
QD-168-RB	16.8	9.3	
QD-169-RB	16.9	9.3	

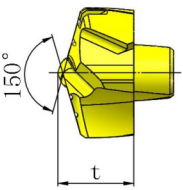
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-170-RB	17.0	9.9	QD170/179-20-..D-..
QD-171-RB	17.1	9.9	
QD-172-RB	17.2	9.9	
QD-173-RB	17.3	9.9	
QD-174-RB	17.4	9.9	
QD-175-RB	17.5	9.9	
QD-176-RB	17.6	9.9	
QD-177-RB	17.7	9.9	
QD-178-RB	17.8	9.9	
QD-179-RB	17.9	9.9	
QD-180-RB	18.0	10.5	QD180/189-25-..D-..
QD-181-RB	18.1	10.5	
QD-182-RB	18.2	10.5	
QD-183-RB	18.3	10.5	
QD-184-RB	18.4	10.5	
QD-185-RB	18.5	10.5	
QD-186-RB	18.6	10.5	
QD-187-RB	18.7	10.5	
QD-188-RB	18.8	10.5	
QD-189-RB	18.9	10.5	
QD-190-RB	19.0	11.0	QD190/199-25-..D-..
QD-191-RB	19.1	11.0	
QD-192-RB	19.2	11.0	
QD-193-RB	19.3	11.0	
QD-194-RB	19.4	11.0	
QD-195-RB	19.5	11.0	
QD-196-RB	19.6	11.0	
QD-197-RB	19.7	11.0	
QD-198-RB	19.8	11.0	
QD-199-RB	19.9	11.0	

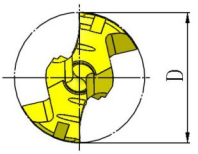
注：RB钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

QD. . . RB 特种钻尖RB型 Special Drilling Head RB







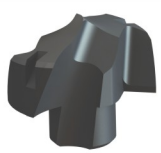
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-200-RB	20.0	11.6	QD200/209-25-..D-..
QD-201-RB	20.1	11.6	
QD-202-RB	20.2	11.6	
QD-203-RB	20.3	11.6	
QD-204-RB	20.4	11.6	
QD-205-RB	20.5	11.6	
QD-206-RB	20.6	11.6	
QD-207-RB	20.7	11.6	
QD-208-RB	20.8	11.6	
QD-209-RB	20.9	11.6	
QD-210-RB	21.0	12.1	QD210/219-25-..D-..
QD-211-RB	21.1	12.1	
QD-212-RB	21.2	12.1	
QD-213-RB	21.3	12.1	
QD-214-RB	21.4	12.1	
QD-215-RB	21.5	12.1	
QD-216-RB	21.6	12.1	
QD-217-RB	21.7	12.1	
QD-218-RB	21.8	12.1	
QD-219-RB	21.9	12.1	
QD-220-RB	22.0	12.7	QD220/229-25-..D-..
QD-221-RB	22.1	12.7	
QD-222-RB	22.2	12.7	
QD-223-RB	22.3	12.7	
QD-224-RB	22.4	12.7	
QD-225-RB	22.5	12.7	
QD-226-RB	22.6	12.7	
QD-227-RB	22.7	12.7	
QD-228-RB	22.8	12.7	
QD-229-RB	22.9	12.7	

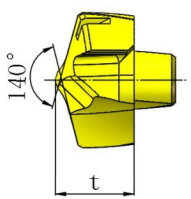
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-230-RB	23.0	13.3	QD230/239-32-..D-..
QD-231-RB	23.1	13.3	
QD-232-RB	23.2	13.3	
QD-233-RB	23.3	13.3	
QD-234-RB	23.4	13.3	
QD-235-RB	23.5	13.3	
QD-236-RB	23.6	13.3	
QD-237-RB	23.7	13.3	
QD-238-RB	23.8	13.3	
QD-239-RB	23.9	13.3	
QD-240-RB	24.0	13.9	QD240/249-32-..D-..
QD-241-RB	24.1	13.9	
QD-242-RB	24.2	13.9	
QD-243-RB	24.3	13.9	
QD-244-RB	24.4	13.9	
QD-245-RB	24.5	13.9	
QD-246-RB	24.6	13.9	
QD-247-RB	24.7	13.9	
QD-248-RB	24.8	13.9	
QD-249-RB	24.9	13.9	
QD-250-RB	25.0	14.5	QD250/260-32-..D-..
QD-251-RB	25.1	14.5	
QD-252-RB	25.2	14.5	
QD-253-RB	25.3	14.5	
QD-254-RB	25.4	14.5	
QD-255-RB	25.5	14.5	
QD-256-RB	25.6	14.5	
QD-257-RB	25.7	14.5	
QD-258-RB	25.8	14.5	
QD-259-RB	25.9	14.5	
QD-260-RB	26.0	14.5	

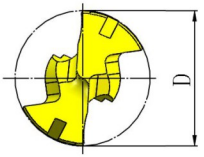
注：RB钻尖具有定心、分屑和卷屑功能，适用于锰钢、低碳钢等、以及较软不易断屑的材料钻孔，尤其是对大直径切屑较宽的钻孔，排屑效果尤为明显。

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

QD. . . ST 通用型钻尖ST型 Special Drilling Head ST







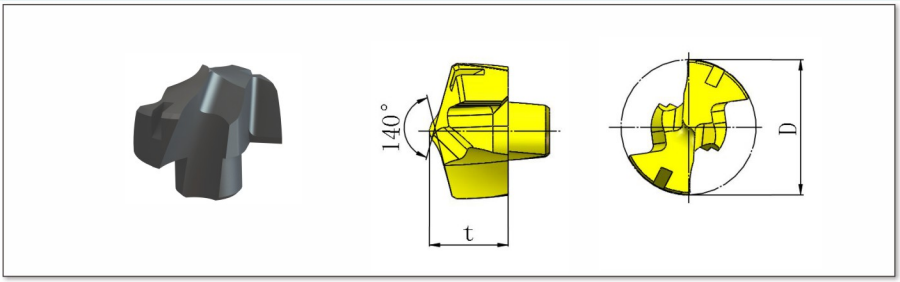
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-080-ST	8.0	5.4	QD080/089-12-..D-CST
QD-081-ST	8.1	5.4	
QD-082-ST	8.2	5.4	
QD-083-ST	8.3	5.4	
QD-084-ST	8.4	5.4	
QD-085-ST	8.5	5.4	
QD-086-ST	8.6	5.4	
QD-087-ST	8.7	5.4	
QD-088-ST	8.8	5.4	
QD-089-ST	8.9	5.4	
QD-090-ST	9.0	5.8	QD090/099-12-..D-CST
QD-091-ST	9.1	5.8	
QD-092-ST	9.2	5.8	
QD-093-ST	9.3	5.8	
QD-094-ST	9.4	5.8	
QD-095-ST	9.5	5.8	
QD-096-ST	9.6	5.8	
QD-097-ST	9.7	5.8	
QD-098-ST	9.8	5.8	
QD-099-ST	9.9	5.8	
QD-100-ST	10.0	6.2	QD100/109-16-..D-CST
QD-101-ST	10.1	6.2	
QD-102-ST	10.2	6.2	
QD-103-ST	10.3	6.2	
QD-104-ST	10.4	6.2	
QD-105-ST	10.5	6.2	
QD-106-ST	10.6	6.2	
QD-107-ST	10.7	6.2	
QD-108-ST	10.8	6.2	
QD-109-ST	10.9	6.2	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-110-ST	11.0	6.6	QD110/119-16-..D-CST
QD-111-ST	11.1	6.6	
QD-112-ST	11.2	6.6	
QD-113-ST	11.3	6.6	
QD-114-ST	11.4	6.6	
QD-115-ST	11.5	6.6	
QD-116-ST	11.6	6.6	
QD-117-ST	11.7	6.6	
QD-118-ST	11.8	6.6	
QD-119-ST	11.9	6.6	
QD-120-ST	12.0	7.0	QD120/129-16-..D-CST
QD-121-ST	12.1	7.0	
QD-122-ST	12.2	7.0	
QD-123-ST	12.3	7.0	
QD-124-ST	12.4	7.0	
QD-125-ST	12.5	7.0	
QD-126-ST	12.6	7.0	
QD-127-ST	12.7	7.0	
QD-128-ST	12.8	7.0	
QD-129-ST	12.9	7.0	
QD-130-ST	13.0	7.6	QD130/139-16-..D-CST
QD-131-ST	13.1	7.6	
QD-132-ST	13.2	7.6	
QD-133-ST	13.3	7.6	
QD-134-ST	13.4	7.6	
QD-135-ST	13.5	7.6	
QD-136-ST	13.6	7.6	
QD-137-ST	13.7	7.6	
QD-138-ST	13.8	7.6	
QD-139-ST	13.9	7.6	

注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆QD. . -. . D-CST配套使用。

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QD. . . ST 通用型钻尖ST型 Special Drilling Head ST



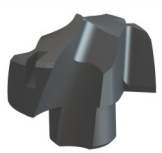
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-140-ST	14.0	8.1	QD140/149-16-..D-CST
QD-141-ST	14.1	8.1	
QD-142-ST	14.2	8.1	
QD-143-ST	14.3	8.1	
QD-144-ST	14.4	8.1	
QD-145-ST	14.5	8.1	
QD-146-ST	14.6	8.1	
QD-147-ST	14.7	8.1	
QD-148-ST	14.8	8.1	
QD-149-ST	14.9	8.1	
QD-150-ST	15.0	8.7	QD150/159-20-..D-CST
QD-151-ST	15.1	8.7	
QD-152-ST	15.2	8.7	
QD-153-ST	15.3	8.7	
QD-154-ST	15.4	8.7	
QD-155-ST	15.5	8.7	
QD-156-ST	15.6	8.7	
QD-157-ST	15.7	8.7	
QD-158-ST	15.8	8.7	
QD-159-ST	15.9	8.7	
QD-160-ST	16.0	9.3	QD160169-20-..D-CST
QD-161-ST	16.1	9.3	
QD-162-ST	16.2	9.3	
QD-163-ST	16.3	9.3	
QD-164-ST	16.4	9.3	
QD-165-ST	16.5	9.3	
QD-166-ST	16.6	9.3	
QD-167-ST	16.7	9.3	
QD-168-ST	16.8	9.3	
QD-169-ST	16.9	9.3	

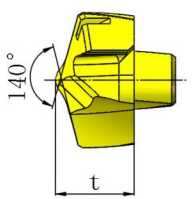
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-170-ST	17.0	9.9	QD170/179-20-..D-CST
QD-171-ST	17.1	9.9	
QD-172-ST	17.2	9.9	
QD-173-ST	17.3	9.9	
QD-174-ST	17.4	9.9	
QD-175-ST	17.5	9.9	
QD-176-ST	17.6	9.9	
QD-177-ST	17.7	9.9	
QD-178-ST	17.8	9.9	
QD-179-ST	17.9	9.9	
QD-180-ST	18.0	10.5	QD180/189-25-..D-CST
QD-181-ST	18.1	10.5	
QD-182-ST	18.2	10.5	
QD-183-ST	18.3	10.5	
QD-184-ST	18.4	10.5	
QD-185-ST	18.5	10.5	
QD-186-ST	18.6	10.5	
QD-187-ST	18.7	10.5	
QD-188-ST	18.8	10.5	
QD-189-ST	18.9	10.5	
QD-190-ST	19.0	11.0	QD190/199-25-..D-CST
QD-191-ST	19.1	11.0	
QD-192-ST	19.2	11.0	
QD-193-ST	19.3	11.0	
QD-194-ST	19.4	11.0	
QD-195-ST	19.5	11.0	
QD-196-ST	19.6	11.0	
QD-197-ST	19.7	11.0	
QD-198-ST	19.8	11.0	
QD-199-ST	19.9	11.0	

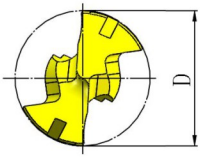
注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆QD. . -. . D-CST配套使用。

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QD. . . ST 通用型钻尖ST型 Special Drilling Head ST







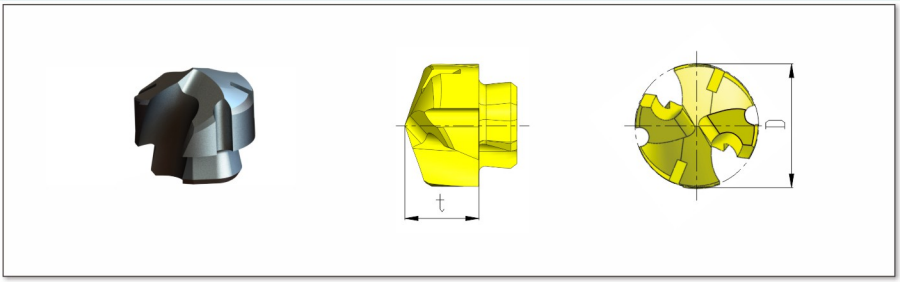
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-200-ST	20.0	11.6	QD200/209-25-..D-CST
QD-201-ST	20.1	11.6	
QD-202-ST	20.2	11.6	
QD-203-ST	20.3	11.6	
QD-204-ST	20.4	11.6	
QD-205-ST	20.5	11.6	
QD-206-ST	20.6	11.6	
QD-207-ST	20.7	11.6	
QD-208-ST	20.8	11.6	
QD-209-ST	20.9	11.6	
QD-210-ST	21.0	12.1	QD210/219-25-..D-CST
QD-211-ST	21.1	12.1	
QD-212-ST	21.2	12.1	
QD-213-ST	21.3	12.1	
QD-214-ST	21.4	12.1	
QD-215-ST	21.5	12.1	
QD-216-ST	21.6	12.1	
QD-217-ST	21.7	12.1	
QD-218-ST	21.8	12.1	
QD-219-ST	21.9	12.1	
QD-220-ST	22.0	12.7	QD220/229-25-..D-CST
QD-221-ST	22.1	12.7	
QD-222-ST	22.2	12.7	
QD-223-ST	22.3	12.7	
QD-224-ST	22.4	12.7	
QD-225-ST	22.5	12.7	
QD-226-ST	22.6	12.7	
QD-227-ST	22.7	12.7	
QD-228-ST	22.8	12.7	
QD-229-ST	22.9	12.7	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
QD-230-ST	23.0	13.3	QD230/239-32-..D-CST
QD-231-ST	23.1	13.3	
QD-232-ST	23.2	13.3	
QD-233-ST	23.3	13.3	
QD-234-ST	23.4	13.3	
QD-235-ST	23.5	13.3	
QD-236-ST	23.6	13.3	
QD-237-ST	23.7	13.3	
QD-238-ST	23.8	13.3	
QD-239-ST	23.9	13.3	
QD-240-ST	24.0	13.9	QD240/249-32-..D-CST
QD-241-ST	24.1	13.9	
QD-242-ST	24.2	13.9	
QD-243-ST	24.3	13.9	
QD-244-ST	24.4	13.9	
QD-245-ST	24.5	13.9	
QD-246-ST	24.6	13.9	
QD-247-ST	24.7	13.9	
QD-248-ST	24.8	13.9	
QD-249-ST	24.9	13.9	
QD-250-ST	25.0	14.5	QD250/260-32-..D-CST
QD-251-ST	25.1	14.5	
QD-252-ST	25.2	14.5	
QD-253-ST	25.3	14.5	
QD-254-ST	25.4	14.5	
QD-255-ST	25.5	14.5	
QD-256-ST	25.6	14.5	
QD-257-ST	25.7	14.5	
QD-258-ST	25.8	14.5	
QD-259-ST	25.9	14.5	
QD-260-ST	26.0	14.5	

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FD. . . S1 标准钻尖S1型 Standard Drilling Head S1

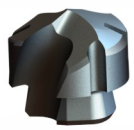
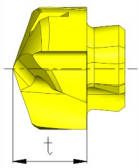


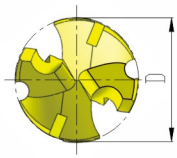
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-080-S1	8.0	5.4	FD080/089-12-..D-..
FD-081-S1	8.1	5.4	
FD-082-S1	8.2	5.4	
FD-083-S1	8.3	5.4	
FD-084-S1	8.4	5.4	
FD-085-S1	8.5	5.4	
FD-086-S1	8.6	5.4	
FD-087-S1	8.7	5.4	
FD-088-S1	8.8	5.4	
FD-089-S1	8.9	5.4	
FD-090-S1	9.0	5.8	FD090/099-12-..D-..
FD-091-S1	9.1	5.8	
FD-092-S1	9.2	5.8	
FD-093-S1	9.3	5.8	
FD-094-S1	9.4	5.8	
FD-095-S1	9.5	5.8	
FD-096-S1	9.6	5.8	
FD-097-S1	9.7	5.8	
FD-098-S1	9.8	5.8	
FD-099-S1	9.9	5.8	
FD-100-S1	10.0	6.2	FD100/109-16-..D-..
FD-101-S1	10.1	6.2	
FD-102-S1	10.2	6.2	
FD-103-S1	10.3	6.2	
FD-104-S1	10.4	6.2	
FD-105-S1	10.5	6.2	
FD-106-S1	10.6	6.2	
FD-107-S1	10.7	6.2	
FD-108-S1	10.8	6.2	
FD-109-S1	10.9	6.2	

订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-110-S1	11.0	6.6	FD110/119-16-..D-..
FD-111-S1	11.1	6.6	
FD-112-S1	11.2	6.6	
FD-113-S1	11.3	6.6	
FD-114-S1	11.4	6.6	
FD-115-S1	11.5	6.6	
FD-116-S1	11.6	6.6	
FD-117-S1	11.7	6.6	
FD-118-S1	11.8	6.6	
FD-119-S1	11.9	6.6	
FD-120-S1	12.0	7.0	FD120/129-16-..D-..
FD-121-S1	12.1	7.0	
FD-122-S1	12.2	7.0	
FD-123-S1	12.3	7.0	
FD-124-S1	12.4	7.0	
FD-125-S1	12.5	7.0	
FD-126-S1	12.6	7.0	
FD-127-S1	12.7	7.0	
FD-128-S1	12.8	7.0	
FD-129-S1	12.9	7.0	
FD-130-S1	13.0	7.6	FD130/139-16-..D-..
FD-131-S1	13.1	7.6	
FD-132-S1	13.2	7.6	
FD-133-S1	13.3	7.6	
FD-134-S1	13.4	7.6	
FD-135-S1	13.5	7.6	
FD-136-S1	13.6	7.6	
FD-137-S1	13.7	7.6	
FD-138-S1	13.8	7.6	
FD-139-S1	13.9	7.6	

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FD. . . S1 标准钻尖S1型 Standard Drilling Head S1

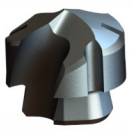


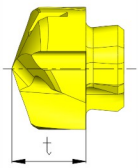
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-140-S1	14.0	8.1	FD140/149-16-..D-..
FD-141-S1	14.1	8.1	
FD-142-S1	14.2	8.1	
FD-143-S1	14.3	8.1	
FD-144-S1	14.4	8.1	
FD-145-S1	14.5	8.1	
FD-146-S1	14.6	8.1	
FD-147-S1	14.7	8.1	
FD-148-S1	14.8	8.1	
FD-149-S1	14.9	8.1	
FD-150-S1	15.0	8.7	FD150/159-20-..D-..
FD-151-S1	15.1	8.7	
FD-152-S1	15.2	8.7	
FD-153-S1	15.3	8.7	
FD-154-S1	15.4	8.7	
FD-155-S1	15.5	8.7	
FD-156-S1	15.6	8.7	
FD-157-S1	15.7	8.7	
FD-158-S1	15.8	8.7	
FD-159-S1	15.9	8.7	
FD-160-S1	16.0	9.3	FD160/169-20-..D-..
FD-161-S1	16.1	9.3	
FD-162-S1	16.2	9.3	
FD-163-S1	16.3	9.3	
FD-164-S1	16.4	9.3	
FD-165-S1	16.5	9.3	
FD-166-S1	16.6	9.3	
FD-167-S1	16.7	9.3	
FD-168-S1	16.8	9.3	
FD-169-S1	16.9	9.3	

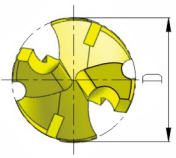
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-170-S1	17.0	9.9	FD170/179-20-..D-..
FD-171-S1	17.1	9.9	
FD-172-S1	17.2	9.9	
FD-173-S1	17.3	9.9	
FD-174-S1	17.4	9.9	
FD-175-S1	17.5	9.9	
FD-176-S1	17.6	9.9	
FD-177-S1	17.7	9.9	
FD-178-S1	17.8	9.9	
FD-179-S1	17.9	9.9	
FD-180-S1	18.0	10.5	FD180/189-25-..D-..
FD-181-S1	18.1	10.5	
FD-182-S1	18.2	10.5	
FD-183-S1	18.3	10.5	
FD-184-S1	18.4	10.5	
FD-185-S1	18.5	10.5	
FD-186-S1	18.6	10.5	
FD-187-S1	18.7	10.5	
FD-188-S1	18.8	10.5	
FD-189-S1	18.9	10.5	
FD-190-S1	19.0	11.0	FD190/199-25-..D-..
FD-191-S1	19.1	11.0	
FD-192-S1	19.2	11.0	
FD-193-S1	19.3	11.0	
FD-194-S1	19.4	11.0	
FD-195-S1	19.5	11.0	
FD-196-S1	19.6	11.0	
FD-197-S1	19.7	11.0	
FD-198-S1	19.8	11.0	
FD-199-S1	19.9	11.0	

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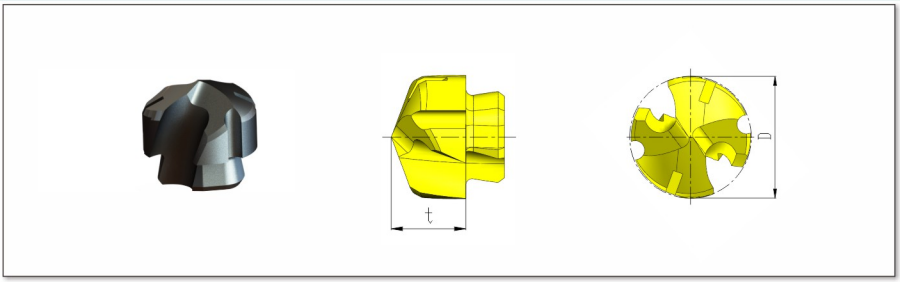
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-200-S1	20.0	11.6	FD200/209-25-..D-..
FD-201-S1	20.1	11.6	
FD-202-S1	20.2	11.6	
FD-203-S1	20.3	11.6	
FD-204-S1	20.4	11.6	
FD-205-S1	20.5	11.6	
FD-206-S1	20.6	11.6	
FD-207-S1	20.7	11.6	
FD-208-S1	20.8	11.6	
FD-209-S1	20.9	11.6	
FD-210-S1	21.0	12.1	FD210/219-25-..D-..
FD-211-S1	21.1	12.1	
FD-212-S1	21.2	12.1	
FD-213-S1	21.3	12.1	
FD-214-S1	21.4	12.1	
FD-215-S1	21.5	12.1	
FD-216-S1	21.6	12.1	
FD-217-S1	21.7	12.1	
FD-218-S1	21.8	12.1	
FD-219-S1	21.9	12.1	
FD-220-S1	22.0	12.7	FD220/229-25-..D-..
FD-221-S1	22.1	12.7	
FD-222-S1	22.2	12.7	
FD-223-S1	22.3	12.7	
FD-224-S1	22.4	12.7	
FD-225-S1	22.5	12.7	
FD-226-S1	22.6	12.7	
FD-227-S1	22.7	12.7	
FD-228-S1	22.8	12.7	
FD-229-S1	22.9	12.7	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-230-S1	23.0	13.3	FD230/239-32-..D-..
FD-231-S1	23.1	13.3	
FD-232-S1	23.2	13.3	
FD-233-S1	23.3	13.3	
FD-234-S1	23.4	13.3	
FD-235-S1	23.5	13.3	
FD-236-S1	23.6	13.3	
FD-237-S1	23.7	13.3	
FD-238-S1	23.8	13.3	
FD-239-S1	23.9	13.3	
FD-240-S1	24.0	13.9	FD240/249-32-..D-..
FD-241-S1	24.1	13.9	
FD-242-S1	24.2	13.9	
FD-243-S1	24.3	13.9	
FD-244-S1	24.4	13.9	
FD-245-S1	24.5	13.9	
FD-246-S1	24.6	13.9	
FD-247-S1	24.7	13.9	
FD-248-S1	24.8	13.9	
FD-249-S1	24.9	13.9	
FD-250-S1	25.0	14.5	FD250/260-32-..D-..
FD-251-S1	25.1	14.5	
FD-252-S1	25.2	14.5	
FD-253-S1	25.3	14.5	
FD-254-S1	25.4	14.5	
FD-255-S1	25.5	14.5	
FD-256-S1	25.6	14.5	
FD-257-S1	25.7	14.5	
FD-258-S1	25.8	14.5	
FD-259-S1	25.9	14.5	
FD-260-S1	26.0	14.5	

注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）

Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

FD. . . S2 标准钻尖S2型 Standard Drilling Head S2

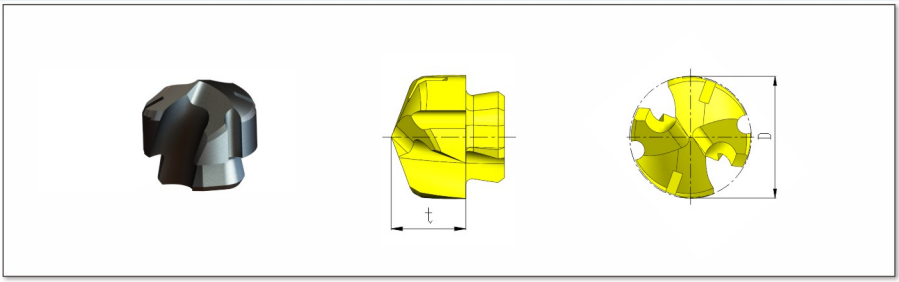


订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-080-S2	8.0	5.4	FD080/089-12-..D-..
FD-081-S2	8.1	5.4	
FD-082-S2	8.2	5.4	
FD-083-S2	8.3	5.4	
FD-084-S2	8.4	5.4	
FD-085-S2	8.5	5.4	
FD-086-S2	8.6	5.4	
FD-087-S2	8.7	5.4	
FD-088-S2	8.8	5.4	
FD-089-S2	8.9	5.4	
FD-090-S2	9.0	5.8	FD090/099-12-..D-..
FD-091-S2	9.1	5.8	
FD-092-S2	9.2	5.8	
FD-093-S2	9.3	5.8	
FD-094-S2	9.4	5.8	
FD-095-S2	9.5	5.8	
FD-096-S2	9.6	5.8	
FD-097-S2	9.7	5.8	
FD-098-S2	9.8	5.8	
FD-099-S2	9.9	5.8	
FD-100-S2	10.0	6.2	FD100/109-16-..D-..
FD-101-S2	10.1	6.2	
FD-102-S2	10.2	6.2	
FD-103-S2	10.3	6.2	
FD-104-S2	10.4	6.2	
FD-105-S2	10.5	6.2	
FD-106-S2	10.6	6.2	
FD-107-S2	10.7	6.2	
FD-108-S2	10.8	6.2	
FD-109-S2	10.9	6.2	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-110-S2	11.0	6.6	FD110/119-16-..D-..
FD-111-S2	11.1	6.6	
FD-112-S2	11.2	6.6	
FD-113-S2	11.3	6.6	
FD-114-S2	11.4	6.6	
FD-115-S2	11.5	6.6	
FD-116-S2	11.6	6.6	
FD-117-S2	11.7	6.6	
FD-118-S2	11.8	6.6	
FD-119-S2	11.9	6.6	
FD-120-S2	12.0	7.0	FD120/129-16-..D-..
FD-121-S2	12.1	7.0	
FD-122-S2	12.2	7.0	
FD-123-S2	12.3	7.0	
FD-124-S2	12.4	7.0	
FD-125-S2	12.5	7.0	
FD-126-S2	12.6	7.0	
FD-127-S2	12.7	7.0	
FD-128-S2	12.8	7.0	
FD-129-S2	12.9	7.0	
FD-130-S2	13.0	7.6	FD130/139-16-..D-..
FD-131-S2	13.1	7.6	
FD-132-S2	13.2	7.6	
FD-133-S2	13.3	7.6	
FD-134-S2	13.4	7.6	
FD-135-S2	13.5	7.6	
FD-136-S2	13.6	7.6	
FD-137-S2	13.7	7.6	
FD-138-S2	13.8	7.6	
FD-139-S2	13.9	7.6	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

FD. . . S2 标准钻尖S2型 Standard Drilling Head S2

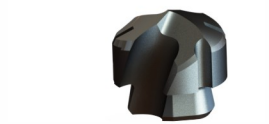


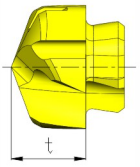
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-140-S2	14.0	8.1	FD140/149-16-..D-..
FD-141-S2	14.1	8.1	
FD-142-S2	14.2	8.1	
FD-143-S2	14.3	8.1	
FD-144-S2	14.4	8.1	
FD-145-S2	14.5	8.1	
FD-146-S2	14.6	8.1	
FD-147-S2	14.7	8.1	
FD-148-S2	14.8	8.1	
FD-149-S2	14.9	8.1	
FD-150-S2	15.0	8.7	FD150/159-20-..D-..
FD-151-S2	15.1	8.7	
FD-152-S2	15.2	8.7	
FD-153-S2	15.3	8.7	
FD-154-S2	15.4	8.7	
FD-155-S2	15.5	8.7	
FD-156-S2	15.6	8.7	
FD-157-S2	15.7	8.7	
FD-158-S2	15.8	8.7	
FD-159-S2	15.9	8.7	
FD-160-S2	16.0	9.3	FD160/169-20-..D-..
FD-161-S2	16.1	9.3	
FD-162-S2	16.2	9.3	
FD-163-S2	16.3	9.3	
FD-164-S2	16.4	9.3	
FD-165-S2	16.5	9.3	
FD-166-S2	16.6	9.3	
FD-167-S2	16.7	9.3	
FD-168-S2	16.8	9.3	
FD-169-S2	16.9	9.3	

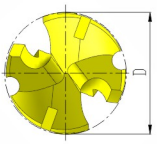
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-170-S2	17.0	9.9	FD170/179-20-..D-..
FD-171-S2	17.1	9.9	
FD-172-S2	17.2	9.9	
FD-173-S2	17.3	9.9	
FD-174-S2	17.4	9.9	
FD-175-S2	17.5	9.9	
FD-176-S2	17.6	9.9	
FD-177-S2	17.7	9.9	
FD-178-S2	17.8	9.9	
FD-179-S2	17.9	9.9	
FD-180-S2	18.0	10.5	FD180/189-25-..D-..
FD-181-S2	18.1	10.5	
FD-182-S2	18.2	10.5	
FD-183-S2	18.3	10.5	
FD-184-S2	18.4	10.5	
FD-185-S2	18.5	10.5	
FD-186-S2	18.6	10.5	
FD-187-S2	18.7	10.5	
FD-188-S2	18.8	10.5	
FD-189-S2	18.9	10.5	
FD-190-S2	19.0	11.0	FD190/199-25-..D-..
FD-191-S2	19.1	11.0	
FD-192-S2	19.2	11.0	
FD-193-S2	19.3	11.0	
FD-194-S2	19.4	11.0	
FD-195-S2	19.5	11.0	
FD-196-S2	19.6	11.0	
FD-197-S2	19.7	11.0	
FD-198-S2	19.8	11.0	
FD-199-S2	19.9	11.0	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

FD. . . S2 标准钻尖S2型 Standard Drilling Head S2





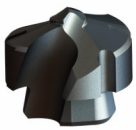


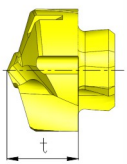
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-200-S2	20.0	11.6	FD200/209-25-..D-..
FD-201-S2	20.1	11.6	
FD-202-S2	20.2	11.6	
FD-203-S2	20.3	11.6	
FD-204-S2	20.4	11.6	
FD-205-S2	20.5	11.6	
FD-206-S2	20.6	11.6	
FD-207-S2	20.7	11.6	
FD-208-S2	20.8	11.6	
FD-209-S2	20.9	11.6	
FD-210-S2	21.0	12.1	FD210/219-25-..D-..
FD-211-S2	21.1	12.1	
FD-212-S2	21.2	12.1	
FD-213-S2	21.3	12.1	
FD-214-S2	21.4	12.1	
FD-215-S2	21.5	12.1	
FD-216-S2	21.6	12.1	
FD-217-S2	21.7	12.1	
FD-218-S2	21.8	12.1	
FD-219-S2	21.9	12.1	
FD-220-S2	22.0	12.7	FD220/229-25-..D-..
FD-221-S2	22.1	12.7	
FD-222-S2	22.2	12.7	
FD-223-S2	22.3	12.7	
FD-224-S2	22.4	12.7	
FD-225-S2	22.5	12.7	
FD-226-S2	22.6	12.7	
FD-227-S2	22.7	12.7	
FD-228-S2	22.8	12.7	
FD-229-S2	22.9	12.7	

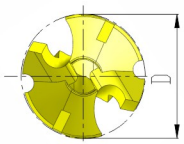
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-230-S2	23.0	13.3	FD230/239-32-..D-..
FD-231-S2	23.1	13.3	
FD-232-S2	23.2	13.3	
FD-233-S2	23.3	13.3	
FD-234-S2	23.4	13.3	
FD-235-S2	23.5	13.3	
FD-236-S2	23.6	13.3	
FD-237-S2	23.7	13.3	
FD-238-S2	23.8	13.3	
FD-239-S2	23.9	13.3	
FD-240-S2	24.0	13.9	FD240/249-32-..D-..
FD-241-S2	24.1	13.9	
FD-242-S2	24.2	13.9	
FD-243-S2	24.3	13.9	
FD-244-S2	24.4	13.9	
FD-245-S2	24.5	13.9	
FD-246-S2	24.6	13.9	
FD-247-S2	24.7	13.9	
FD-248-S2	24.8	13.9	
FD-249-S2	24.9	13.9	
FD-250-S2	25.0	14.5	FD250/260-32-..D-..
FD-251-S2	25.1	14.5	
FD-252-S2	25.2	14.5	
FD-253-S2	25.3	14.5	
FD-254-S2	25.4	14.5	
FD-255-S2	25.5	14.5	
FD-256-S2	25.6	14.5	
FD-257-S2	25.7	14.5	
FD-258-S2	25.8	14.5	
FD-259-S2	25.9	14.5	
FD-260-S2	26.0	14.5	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

FD. . . RA 特种钻尖RA型 Special Drilling Head RA







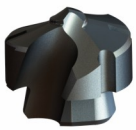
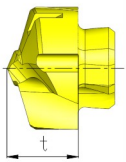
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-080-RA	8.0	5.4	FD080/089-12-..D-..
FD-081-RA	8.1	5.4	
FD-082-RA	8.2	5.4	
FD-083-RA	8.3	5.4	
FD-084-RA	8.4	5.4	
FD-085-RA	8.5	5.4	
FD-086-RA	8.6	5.4	
FD-087-RA	8.7	5.4	
FD-088-RA	8.8	5.4	
FD-089-RA	8.9	5.4	
FD-090-RA	9.0	5.8	FD090/099-12-..D-..
FD-091-RA	9.1	5.8	
FD-092-RA	9.2	5.8	
FD-093-RA	9.3	5.8	
FD-094-RA	9.4	5.8	
FD-095-RA	9.5	5.8	
FD-096-RA	9.6	5.8	
FD-097-RA	9.7	5.8	
FD-098-RA	9.8	5.8	
FD-099-RA	9.9	5.8	
FD-100-RA	10.0	6.2	FD100/109-16-..D-..
FD-101-RA	10.1	6.2	
FD-102-RA	10.2	6.2	
FD-103-RA	10.3	6.2	
FD-104-RA	10.4	6.2	
FD-105-RA	10.5	6.2	
FD-106-RA	10.6	6.2	
FD-107-RA	10.7	6.2	
FD-108-RA	10.8	6.2	
FD-109-RA	10.9	6.2	

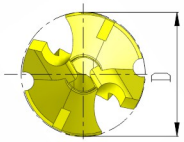
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-110-RA	11.0	6.6	FD110/119-16-..D-..
FD-111-RA	11.1	6.6	
FD-112-RA	11.2	6.6	
FD-113-RA	11.3	6.6	
FD-114-RA	11.4	6.6	
FD-115-RA	11.5	6.6	
FD-116-RA	11.6	6.6	
FD-117-RA	11.7	6.6	
FD-118-RA	11.8	6.6	
FD-119-RA	11.9	6.6	
FD-120-RA	12.0	7.0	FD120/129-16-..D-..
FD-121-RA	12.1	7.0	
FD-122-RA	12.2	7.0	
FD-123-RA	12.3	7.0	
FD-124-RA	12.4	7.0	
FD-125-RA	12.5	7.0	
FD-126-RA	12.6	7.0	
FD-127-RA	12.7	7.0	
FD-128-RA	12.8	7.0	
FD-129-RA	12.9	7.0	
FD-130-RA	13.0	7.6	FD130/139-16-..D-..
FD-131-RA	13.1	7.6	
FD-132-RA	13.2	7.6	
FD-133-RA	13.3	7.6	
FD-134-RA	13.4	7.6	
FD-135-RA	13.5	7.6	
FD-136-RA	13.6	7.6	
FD-137-RA	13.7	7.6	
FD-138-RA	13.8	7.6	
FD-139-RA	13.9	7.6	

注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

FD. . . RA 特种钻尖RA型 Special Drilling Head RA



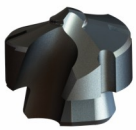
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-140-RA	14.0	8.1	FD140/149-16-..D-..
FD-141-RA	14.1	8.1	
FD-142-RA	14.2	8.1	
FD-143-RA	14.3	8.1	
FD-144-RA	14.4	8.1	
FD-145-RA	14.5	8.1	
FD-146-RA	14.6	8.1	
FD-147-RA	14.7	8.1	
FD-148-RA	14.8	8.1	
FD-149-RA	14.9	8.1	
FD-150-RA	15.0	8.7	FD150/159-20-..D-..
FD-151-RA	15.1	8.7	
FD-152-RA	15.2	8.7	
FD-153-RA	15.3	8.7	
FD-154-RA	15.4	8.7	
FD-155-RA	15.5	8.7	
FD-156-RA	15.6	8.7	
FD-157-RA	15.7	8.7	
FD-158-RA	15.8	8.7	
FD-159-RA	15.9	8.7	
FD-160-RA	16.0	9.3	FD160/169-20-..D-..
FD-161-RA	16.1	9.3	
FD-162-RA	16.2	9.3	
FD-163-RA	16.3	9.3	
FD-164-RA	16.4	9.3	
FD-165-RA	16.5	9.3	
FD-166-RA	16.6	9.3	
FD-167-RA	16.7	9.3	
FD-168-RA	16.8	9.3	
FD-169-RA	16.9	9.3	

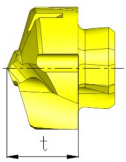
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-170-RA	17.0	9.9	FD170/179-20-..D-..
FD-171-RA	17.1	9.9	
FD-172-RA	17.2	9.9	
FD-173-RA	17.3	9.9	
FD-174-RA	17.4	9.9	
FD-175-RA	17.5	9.9	
FD-176-RA	17.6	9.9	
FD-177-RA	17.7	9.9	
FD-178-RA	17.8	9.9	
FD-179-RA	17.9	9.9	
FD-180-RA	18.0	10.5	FD180/189-25-..D-..
FD-181-RA	18.1	10.5	
FD-182-RA	18.2	10.5	
FD-183-RA	18.3	10.5	
FD-184-RA	18.4	10.5	
FD-185-RA	18.5	10.5	
FD-186-RA	18.6	10.5	
FD-187-RA	18.7	10.5	
FD-188-RA	18.8	10.5	
FD-189-RA	18.9	10.5	
FD-190-RA	19.0	11.0	FD190/199-25-..D-..
FD-191-RA	19.1	11.0	
FD-192-RA	19.2	11.0	
FD-193-RA	19.3	11.0	
FD-194-RA	19.4	11.0	
FD-195-RA	19.5	11.0	
FD-196-RA	19.6	11.0	
FD-197-RA	19.7	11.0	
FD-198-RA	19.8	11.0	
FD-199-RA	19.9	11.0	

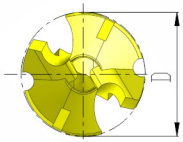
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RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

FD. . . RA 特种钻尖RA型 Special Drilling Head RA







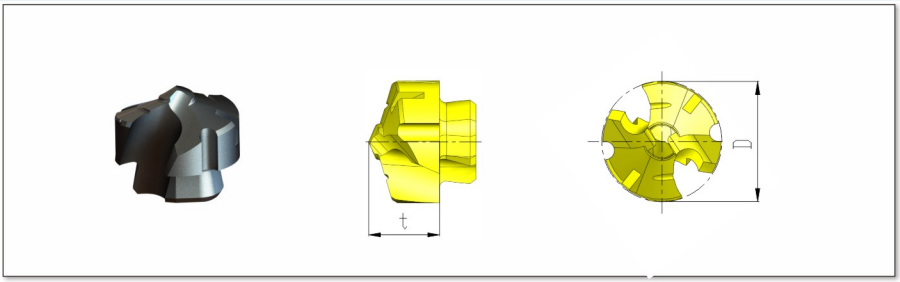
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-200-RA	20.0	11.6	FD200/209-25-..D-..
FD-201-RA	20.1	11.6	
FD-202-RA	20.2	11.6	
FD-203-RA	20.3	11.6	
FD-204-RA	20.4	11.6	
FD-205-RA	20.5	11.6	
FD-206-RA	20.6	11.6	
FD-207-RA	20.7	11.6	
FD-208-RA	20.8	11.6	
FD-209-RA	20.9	11.6	
FD-210-RA	21.0	12.1	FD210/219-25-..D-..
FD-211-RA	21.1	12.1	
FD-212-RA	21.2	12.1	
FD-213-RA	21.3	12.1	
FD-214-RA	21.4	12.1	
FD-215-RA	21.5	12.1	
FD-216-RA	21.6	12.1	
FD-217-RA	21.7	12.1	
FD-218-RA	21.8	12.1	
FD-219-RA	21.9	12.1	
FD-220-RA	22.0	12.7	FD220/229-25-..D-..
FD-221-RA	22.1	12.7	
FD-222-RA	22.2	12.7	
FD-223-RA	22.3	12.7	
FD-224-RA	22.4	12.7	
FD-225-RA	22.5	12.7	
FD-226-RA	22.6	12.7	
FD-227-RA	22.7	12.7	
FD-228-RA	22.8	12.7	
FD-229-RA	22.9	12.7	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-230-RA	23.0	13.3	FD230/239-32-..D-..
FD-231-RA	23.1	13.3	
FD-232-RA	23.2	13.3	
FD-233-RA	23.3	13.3	
FD-234-RA	23.4	13.3	
FD-235-RA	23.5	13.3	
FD-236-RA	23.6	13.3	
FD-237-RA	23.7	13.3	
FD-238-RA	23.8	13.3	
FD-239-RA	23.9	13.3	
FD-240-RA	24.0	13.9	FD240/249-32-..D-..
FD-241-RA	24.1	13.9	
FD-242-RA	24.2	13.9	
FD-243-RA	24.3	13.9	
FD-244-RA	24.4	13.9	
FD-245-RA	24.5	13.9	
FD-246-RA	24.6	13.9	
FD-247-RA	24.7	13.9	
FD-248-RA	24.8	13.9	
FD-249-RA	24.9	13.9	
FD-250-RA	25.0	14.5	FD250/260-32-..D-..
FD-251-RA	25.1	14.5	
FD-252-RA	25.2	14.5	
FD-253-RA	25.3	14.5	
FD-254-RA	25.4	14.5	
FD-255-RA	25.5	14.5	
FD-256-RA	25.6	14.5	
FD-257-RA	25.7	14.5	
FD-258-RA	25.8	14.5	
FD-259-RA	25.9	14.5	
FD-260-RA	26.0	14.5	

注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

FD. . . RD 特种钻尖RD型 Special Drilling Head RD



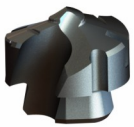
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-080-RD	8.0	5.4	FD080/089-12-..D-..
FD-081-RD	8.1	5.4	
FD-082-RD	8.2	5.4	
FD-083-RD	8.3	5.4	
FD-084-RD	8.4	5.4	
FD-085-RD	8.5	5.4	
FD-086-RD	8.6	5.4	
FD-087-RD	8.7	5.4	
FD-088-RD	8.8	5.4	
FD-089-RD	8.9	5.4	
FD-090-RD	9.0	5.8	FD090/099-12-..D-..
FD-091-RD	9.1	5.8	
FD-092-RD	9.2	5.8	
FD-093-RD	9.3	5.8	
FD-094-RD	9.4	5.8	
FD-095-RD	9.5	5.8	
FD-096-RD	9.6	5.8	
FD-097-RD	9.7	5.8	
FD-098-RD	9.8	5.8	
FD-099-RD	9.9	5.8	
FD-100-RD	10.0	6.2	FD100/109-16-..D-..
FD-101-RD	10.1	6.2	
FD-102-RD	10.2	6.2	
FD-103-RD	10.3	6.2	
FD-104-RD	10.4	6.2	
FD-105-RD	10.5	6.2	
FD-106-RD	10.6	6.2	
FD-107-RD	10.7	6.2	
FD-108-RD	10.8	6.2	
FD-109-RD	10.9	6.2	

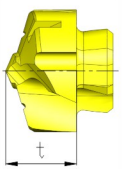
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-110-RD	11.0	6.6	FD110/119-16-..D-..
FD-111-RD	11.1	6.6	
FD-112-RD	11.2	6.6	
FD-113-RD	11.3	6.6	
FD-114-RD	11.4	6.6	
FD-115-RD	11.5	6.6	
FD-116-RD	11.6	6.6	
FD-117-RD	11.7	6.6	
FD-118-RD	11.8	6.6	
FD-119-RD	11.9	6.6	
FD-120-RD	12.0	7.0	FD120/129-16-..D-..
FD-121-RD	12.1	7.0	
FD-122-RD	12.2	7.0	
FD-123-RD	12.3	7.0	
FD-124-RD	12.4	7.0	
FD-125-RD	12.5	7.0	
FD-126-RD	12.6	7.0	
FD-127-RD	12.7	7.0	
FD-128-RD	12.8	7.0	
FD-129-RD	12.9	7.0	
FD-130-RD	13.0	7.6	FD130/139-16-..D-..
FD-131-RD	13.1	7.6	
FD-132-RD	13.2	7.6	
FD-133-RD	13.3	7.6	
FD-134-RD	13.4	7.6	
FD-135-RD	13.5	7.6	
FD-136-RD	13.6	7.6	
FD-137-RD	13.7	7.6	
FD-138-RD	13.8	7.6	
FD-139-RD	13.9	7.6	

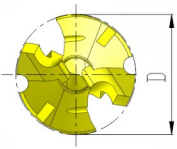
注：RD钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RD Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

FD. . . RD 特种钻尖RD型 Special Drilling Head RD







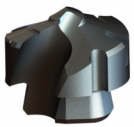
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-140-RD	14.0	8.1	FD140/149-16-..D-..
FD-141-RD	14.1	8.1	
FD-142-RD	14.2	8.1	
FD-143-RD	14.3	8.1	
FD-144-RD	14.4	8.1	
FD-145-RD	14.5	8.1	
FD-146-RD	14.6	8.1	
FD-147-RD	14.7	8.1	
FD-148-RD	14.8	8.1	
FD-149-RD	14.9	8.1	
FD-150-RD	15.0	8.7	FD150/159-20-..D-..
FD-151-RD	15.1	8.7	
FD-152-RD	15.2	8.7	
FD-153-RD	15.3	8.7	
FD-154-RD	15.4	8.7	
FD-155-RD	15.5	8.7	
FD-156-RD	15.6	8.7	
FD-157-RD	15.7	8.7	
FD-158-RD	15.8	8.7	
FD-159-RD	15.9	8.7	
FD-160-RD	16.0	9.3	FD160169-20-..D-..
FD-161-RD	16.1	9.3	
FD-162-RD	16.2	9.3	
FD-163-RD	16.3	9.3	
FD-164-RD	16.4	9.3	
FD-165-RD	16.5	9.3	
FD-166-RD	16.6	9.3	
FD-167-RD	16.7	9.3	
FD-168-RD	16.8	9.3	
FD-169-RD	16.9	9.3	

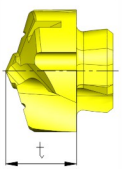
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-170-RD	17.0	9.9	FD170/179-20-..D-..
FD-171-RD	17.1	9.9	
FD-172-RD	17.2	9.9	
FD-173-RD	17.3	9.9	
FD-174-RD	17.4	9.9	
FD-175-RD	17.5	9.9	
FD-176-RD	17.6	9.9	
FD-177-RD	17.7	9.9	
FD-178-RD	17.8	9.9	
FD-179-RD	17.9	9.9	
FD-180-RD	18.0	10.5	FD180/189-25-..D-..
FD-181-RD	18.1	10.5	
FD-182-RD	18.2	10.5	
FD-183-RD	18.3	10.5	
FD-184-RD	18.4	10.5	
FD-185-RD	18.5	10.5	
FD-186-RD	18.6	10.5	
FD-187-RD	18.7	10.5	
FD-188-RD	18.8	10.5	
FD-189-RD	18.9	10.5	
FD-190-RD	19.0	11.0	FD190/199-25-..D-..
FD-191-RD	19.1	11.0	
FD-192-RD	19.2	11.0	
FD-193-RD	19.3	11.0	
FD-194-RD	19.4	11.0	
FD-195-RD	19.5	11.0	
FD-196-RD	19.6	11.0	
FD-197-RD	19.7	11.0	
FD-198-RD	19.8	11.0	
FD-199-RD	19.9	11.0	

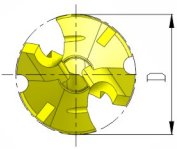
注：RD钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RD Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

FD. . . RD 特种钻尖RD型 Special Drilling Head RD







订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-200-RD	20.0	11.6	FD200/209-25-..D-..
FD-201-RD	20.1	11.6	
FD-202-RD	20.2	11.6	
FD-203-RD	20.3	11.6	
FD-204-RD	20.4	11.6	
FD-205-RD	20.5	11.6	
FD-206-RD	20.6	11.6	
FD-207-RD	20.7	11.6	
FD-208-RD	20.8	11.6	
FD-209-RD	20.9	11.6	
FD-210-RD	21.0	12.1	FD210/219-25-..D-..
FD-211-RD	21.1	12.1	
FD-212-RD	21.2	12.1	
FD-213-RD	21.3	12.1	
FD-214-RD	21.4	12.1	
FD-215-RD	21.5	12.1	
FD-216-RD	21.6	12.1	
FD-217-RD	21.7	12.1	
FD-218-RD	21.8	12.1	
FD-219-RD	21.9	12.1	
FD-220-RD	22.0	12.7	FD220/229-25-..D-..
FD-221-RD	22.1	12.7	
FD-222-RD	22.2	12.7	
FD-223-RD	22.3	12.7	
FD-224-RD	22.4	12.7	
FD-225-RD	22.5	12.7	
FD-226-RD	22.6	12.7	
FD-227-RD	22.7	12.7	
FD-228-RD	22.8	12.7	
FD-229-RD	22.9	12.7	

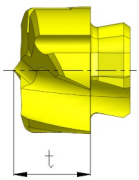
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-230-RD	23.0	13.3	FD230/239-32-..D-..
FD-231-RD	23.1	13.3	
FD-232-RD	23.2	13.3	
FD-233-RD	23.3	13.3	
FD-234-RD	23.4	13.3	
FD-235-RD	23.5	13.3	
FD-236-RD	23.6	13.3	
FD-237-RD	23.7	13.3	
FD-238-RD	23.8	13.3	
FD-239-RD	23.9	13.3	
FD-240-RD	24.0	13.9	FD240/249-32-..D-..
FD-241-RD	24.1	13.9	
FD-242-RD	24.2	13.9	
FD-243-RD	24.3	13.9	
FD-244-RD	24.4	13.9	
FD-245-RD	24.5	13.9	
FD-246-RD	24.6	13.9	
FD-247-RD	24.7	13.9	
FD-248-RD	24.8	13.9	
FD-249-RD	24.9	13.9	
FD-250-RD	25.0	14.5	FD250/260-32-..D-..
FD-251-RD	25.1	14.5	
FD-252-RD	25.2	14.5	
FD-253-RD	25.3	14.5	
FD-254-RD	25.4	14.5	
FD-255-RD	25.5	14.5	
FD-256-RD	25.6	14.5	
FD-257-RD	25.7	14.5	
FD-258-RD	25.8	14.5	
FD-259-RD	25.9	14.5	
FD-260-RD	26.0	14.5	

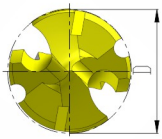
注：RD钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RD Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

FD. . . F 平底刀头 Flat Cutting Drilling Head





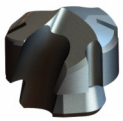


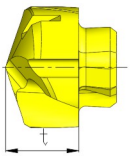
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-080-F	8.0	4.0	FD080-089-12-..D-..
FD-085-F	8.5	4.0	
FD-090-F	9.0	4.2	FD090-099-12-..D-..
FD-095-F	9.5	4.2	
FD-100-F	10.0	4.4	FD100-109-16-..D-..
FD-105-F	10.5	4.4	
FD-110-F	11.0	4.5	FD110-119-16-..D-..
FD-115-F	11.5	4.5	
FD-120-F	12.0	4.8	FD120-129-16-..D-..
FD-125-F	12.5	4.8	
FD-130-F	13.0	5.1	FD130-139-16-..D-..
FD-135-F	13.5	5.1	
FD-140-F	14.0	5.5	FD140-149-16-..D-..
FD-145-F	14.5	5.5	
FD-150-F	15.0	5.9	FD150-159-20-..D-..
FD-155-F	15.5	5.9	
FD-160-F	16.0	6.3	FD160-169-20-..D-..
FD-165-F	16.5	6.3	
FD-170-F	17.0	6.6	FD170-179-20-..D-..
FD-175-F	17.5	6.6	
FD-180-F	18.0	6.9	FD180-189-25-..D-..
FD-185-F	18.5	6.9	
FD-190-F	19.0	7.2	FD190-199-25-..D-..
FD-195-F	19.5	7.2	
FD-200-F	20.0	8.2	FD200-209-25-..D-..
FD-205-F	20.5	8.2	
FD-210-F	21.0	8.6	FD210-219-25-..D-..
FD-215-F	21.5	8.6	
FD-220-F	22.0	8.9	FD220-229-25-..D-..
FD-225-F	22.5	8.9	
FD-230-F	23.0	9.3	FD230-239-32-..D-..
FD-235-F	23.5	9.3	
FD-240-F	24.0	9.7	FD240-249-32-..D-..
FD-245-F	24.5	9.7	
FD-250-F	25.0	10.1	FD250-260-32-..D-..
FD-255-F	25.5	10.1	
FD-260-F	26.0	10.1	

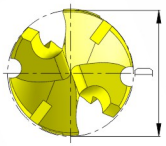
注：F平底钻尖；具有需要锪平的普通钢材盲孔加工，不推荐用于难加工材料直接钻孔

F flat cutting head can be used for drilling blind flat holes of common material holes ,but isn't recommended in drilling difficult-to-machine materials

FD. . . C 定心刀头 Centering Cutting Drilling Head





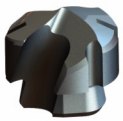
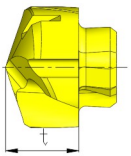
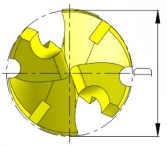


订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-080-C	8.0	5.4	FD080-089-12-..D-..
FD-085-C	8.5	5.4	
FD-090-C	9.0	5.8	FD090-099-12-..D-..
FD-095-C	9.5	5.8	
FD-100-C	10.0	6.2	FD100-109-16-..D-..
FD-105-C	10.5	6.2	
FD-110-C	11.0	6.6	FD110-119-16-..D-..
FD-115-C	11.5	6.6	
FD-120-C	12.0	7.0	FD120-129-16-..D-..
FD-125-C	12.5	7.0	
FD-130-C	13.0	7.6	FD130-139-16-..D-..
FD-135-C	13.5	7.6	
FD-140-C	14.0	8.2	FD140-149-16-..D-..
FD-145-C	14.5	8.2	
FD-150-C	15.0	8.7	FD150-159-20-..D-..
FD-155-C	15.5	8.7	
FD-160-C	16.0	9.3	FD160-169-20-..D-..
FD-165-C	16.5	9.3	
FD-170-C	17.0	9.9	FD170-179-20-..D-..
FD-175-C	17.5	9.9	
FD-180-C	18.0	10.5	FD180-189-25-..D-..
FD-185-C	18.5	10.5	
FD-190-C	19.0	11.0	FD190-199-25-..D-..
FD-195-C	19.5	11.0	
FD-200-C	20.0	11.6	FD200-209-25-..D-..
FD-205-C	20.5	11.6	
FD-210-C	21.0	12.2	FD210-219-25-..D-..
FD-215-C	21.5	12.2	
FD-220-C	22.0	12.8	FD220-229-25-..D-..
FD-225-C	22.5	12.8	
FD-230-C	23.0	13.3	FD230-239-32-..D-..
FD-235-C	23.5	13.3	
FD-240-C	24.0	13.9	FD240-249-32-..D-..
FD-245-C	24.5	13.9	
FD-250-C	25.0	14.5	FD250-260-32-..D-..
FD-255-C	25.5	14.5	
FD-260-C	26.0	14.5	

注：C定心钻尖；具有良好的定心功能的定心钻尖，适用于普通钢材的直接钻孔，不推荐用于难加工材料的钻孔

C self- centering cutting head can be used with excellent centering performance in drilling common metal materials ,but isn't recommended for drilling difficult-to-machine materials

FD. . . RB 特种钻尖RB型 Special Drilling Head RB

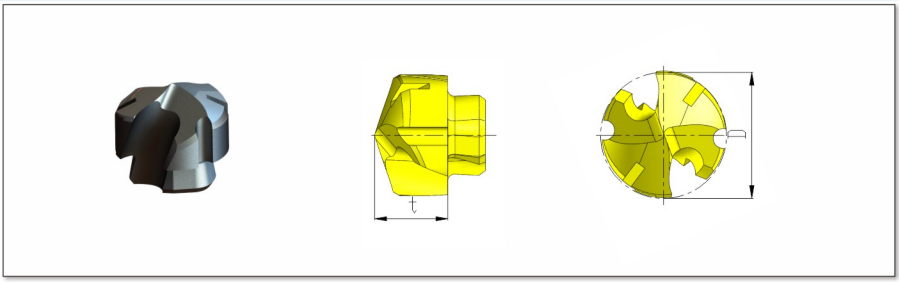
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-080-RB	8.0	5.4	FD080/089-12-..D-..
FD-081-RB	8.1	5.4	
FD-082-RB	8.2	5.4	
FD-083-RB	8.3	5.4	
FD-084-RB	8.4	5.4	
FD-085-RB	8.5	5.4	
FD-086-RB	8.6	5.4	
FD-087-RB	8.7	5.4	
FD-088-RB	8.8	5.4	
FD-089-RB	8.9	5.4	
FD-090-RB	9.0	5.8	FD090/099-12-..D-..
FD-091-RB	9.1	5.8	
FD-092-RB	9.2	5.8	
FD-093-RB	9.3	5.8	
FD-094-RB	9.4	5.8	
FD-095-RB	9.5	5.8	
FD-096-RB	9.6	5.8	
FD-097-RB	9.7	5.8	
FD-098-RB	9.8	5.8	
FD-099-RB	9.9	5.8	
FD-100-RB	10.0	6.2	FD100/109-16-..D-..
FD-101-RB	10.1	6.2	
FD-102-RB	10.2	6.2	
FD-103-RB	10.3	6.2	
FD-104-RB	10.4	6.2	
FD-105-RB	10.5	6.2	
FD-106-RB	10.6	6.2	
FD-107-RB	10.7	6.2	
FD-108-RB	10.8	6.2	
FD-109-RB	10.9	6.2	

订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-110-RB	11.0	6.6	FD110/119-16-..D-..
FD-111-RB	11.1	6.6	
FD-112-RB	11.2	6.6	
FD-113-RB	11.3	6.6	
FD-114-RB	11.4	6.6	
FD-115-RB	11.5	6.6	
FD-116-RB	11.6	6.6	
FD-117-RB	11.7	6.6	
FD-118-RB	11.8	6.6	
FD-119-RB	11.9	6.6	
FD-120-RB	12.0	7.0	FD120/129-16-..D-..
FD-121-RB	12.1	7.0	
FD-122-RB	12.2	7.0	
FD-123-RB	12.3	7.0	
FD-124-RB	12.4	7.0	
FD-125-RB	12.5	7.0	
FD-126-RB	12.6	7.0	
FD-127-RB	12.7	7.0	
FD-128-RB	12.8	7.0	
FD-129-RB	12.9	7.0	
FD-130-RB	13.0	7.6	FD130/139-16-..D-..
FD-131-RB	13.1	7.6	
FD-132-RB	13.2	7.6	
FD-133-RB	13.3	7.6	
FD-134-RB	13.4	7.6	
FD-135-RB	13.5	7.6	
FD-136-RB	13.6	7.6	
FD-137-RB	13.7	7.6	
FD-138-RB	13.8	7.6	
FD-139-RB	13.9	7.6	

注：RB钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

FD. . . RB 特种钻尖RB型 Special Drilling Head RB



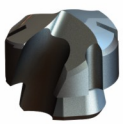
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-140-RB	14.0	8.1	FD140/149-16-..D-..
FD-141-RB	14.1	8.1	
FD-142-RB	14.2	8.1	
FD-143-RB	14.3	8.1	
FD-144-RB	14.4	8.1	
FD-145-RB	14.5	8.1	
FD-146-RB	14.6	8.1	
FD-147-RB	14.7	8.1	
FD-148-RB	14.8	8.1	
FD-149-RB	14.9	8.1	
FD-150-RB	15.0	8.7	FD150/159-20-..D-..
FD-151-RB	15.1	8.7	
FD-152-RB	15.2	8.7	
FD-153-RB	15.3	8.7	
FD-154-RB	15.4	8.7	
FD-155-RB	15.5	8.7	
FD-156-RB	15.6	8.7	
FD-157-RB	15.7	8.7	
FD-158-RB	15.8	8.7	
FD-159-RB	15.9	8.7	
FD-160-RB	16.0	9.3	FD160169-20-..D-..
FD-161-RB	16.1	9.3	
FD-162-RB	16.2	9.3	
FD-163-RB	16.3	9.3	
FD-164-RB	16.4	9.3	
FD-165-RB	16.5	9.3	
FD-166-RB	16.6	9.3	
FD-167-RB	16.7	9.3	
FD-168-RB	16.8	9.3	
FD-169-RB	16.9	9.3	

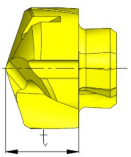
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-170-RB	17.0	9.9	FD170/179-20-..D-..
FD-171-RB	17.1	9.9	
FD-172-RB	17.2	9.9	
FD-173-RB	17.3	9.9	
FD-174-RB	17.4	9.9	
FD-175-RB	17.5	9.9	
FD-176-RB	17.6	9.9	
FD-177-RB	17.7	9.9	
FD-178-RB	17.8	9.9	
FD-179-RB	17.9	9.9	
FD-180-RB	18.0	10.5	FD180/189-25-..D-..
FD-181-RB	18.1	10.5	
FD-182-RB	18.2	10.5	
FD-183-RB	18.3	10.5	
FD-184-RB	18.4	10.5	
FD-185-RB	18.5	10.5	
FD-186-RB	18.6	10.5	
FD-187-RB	18.7	10.5	
FD-188-RB	18.8	10.5	
FD-189-RB	18.9	10.5	
FD-190-RB	19.0	11.0	FD190/199-25-..D-..
FD-191-RB	19.1	11.0	
FD-192-RB	19.2	11.0	
FD-193-RB	19.3	11.0	
FD-194-RB	19.4	11.0	
FD-195-RB	19.5	11.0	
FD-196-RB	19.6	11.0	
FD-197-RB	19.7	11.0	
FD-198-RB	19.8	11.0	
FD-199-RB	19.9	11.0	

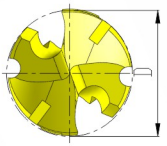
注：RB钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

FD. . . RB 特种钻尖RB型 Special Drilling Head RB







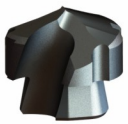
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-200-RB	20.0	11.6	FD200/209-25-..D-..
FD-201-RB	20.1	11.6	
FD-202-RB	20.2	11.6	
FD-203-RB	20.3	11.6	
FD-204-RB	20.4	11.6	
FD-205-RB	20.5	11.6	
FD-206-RB	20.6	11.6	
FD-207-RB	20.7	11.6	
FD-208-RB	20.8	11.6	
FD-209-RB	20.9	11.6	
FD-210-RB	21.0	12.1	FD210/219-25-..D-..
FD-211-RB	21.1	12.1	
FD-212-RB	21.2	12.1	
FD-213-RB	21.3	12.1	
FD-214-RB	21.4	12.1	
FD-215-RB	21.5	12.1	
FD-216-RB	21.6	12.1	
FD-217-RB	21.7	12.1	
FD-218-RB	21.8	12.1	
FD-219-RB	21.9	12.1	
FD-220-RB	22.0	12.7	FD220/229-25-..D-..
FD-221-RB	22.1	12.7	
FD-222-RB	22.2	12.7	
FD-223-RB	22.3	12.7	
FD-224-RB	22.4	12.7	
FD-225-RB	22.5	12.7	
FD-226-RB	22.6	12.7	
FD-227-RB	22.7	12.7	
FD-228-RB	22.8	12.7	
FD-229-RB	22.9	12.7	

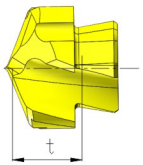
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
FD-230-RB	23.0	13.3	FD230/239-32-..D-..
FD-231-RB	23.1	13.3	
FD-232-RB	23.2	13.3	
FD-233-RB	23.3	13.3	
FD-234-RB	23.4	13.3	
FD-235-RB	23.5	13.3	
FD-236-RB	23.6	13.3	
FD-237-RB	23.7	13.3	
FD-238-RB	23.8	13.3	
FD-239-RB	23.9	13.3	
FD-240-RB	24.0	13.9	FD240/249-32-..D-..
FD-241-RB	24.1	13.9	
FD-242-RB	24.2	13.9	
FD-243-RB	24.3	13.9	
FD-244-RB	24.4	13.9	
FD-245-RB	24.5	13.9	
FD-246-RB	24.6	13.9	
FD-247-RB	24.7	13.9	
FD-248-RB	24.8	13.9	
FD-249-RB	24.9	13.9	
FD-250-RB	25.0	14.5	FD250/260-32-..D-..
FD-251-RB	25.1	14.5	
FD-252-RB	25.2	14.5	
FD-253-RB	25.3	14.5	
FD-254-RB	25.4	14.5	
FD-255-RB	25.5	14.5	
FD-256-RB	25.6	14.5	
FD-257-RB	25.7	14.5	
FD-258-RB	25.8	14.5	
FD-259-RB	25.9	14.5	
FD-260-RB	26.0	14.5	

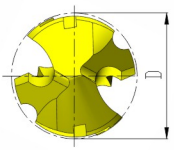
注：RB钻尖具有定心、分屑和卷屑功能，适用于锰钢、低碳钢等、以及较软不易断屑的材料钻孔，尤其是对大直径切屑较宽的钻孔，排屑效果尤为明显。

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

FD. . . ST 通用型钻尖ST型 Special Drilling Head ST







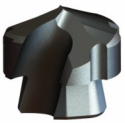
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-080-ST	8.0	5.4	FD080/089-12-..D-CST
FD-081-ST	8.1	5.4	
FD-082-ST	8.2	5.4	
FD-083-ST	8.3	5.4	
FD-084-ST	8.4	5.4	
FD-085-ST	8.5	5.4	
FD-086-ST	8.6	5.4	
FD-087-ST	8.7	5.4	
FD-088-ST	8.8	5.4	
FD-089-ST	8.9	5.4	
FD-090-ST	9.0	5.8	FD090/099-12-..D-CST
FD-091-ST	9.1	5.8	
FD-092-ST	9.2	5.8	
FD-093-ST	9.3	5.8	
FD-094-ST	9.4	5.8	
FD-095-ST	9.5	5.8	
FD-096-ST	9.6	5.8	
FD-097-ST	9.7	5.8	
FD-098-ST	9.8	5.8	
FD-099-ST	9.9	5.8	
FD-100-ST	10.0	6.2	FD100/109-16-..D-CST
FD-101-ST	10.1	6.2	
FD-102-ST	10.2	6.2	
FD-103-ST	10.3	6.2	
FD-104-ST	10.4	6.2	
FD-105-ST	10.5	6.2	
FD-106-ST	10.6	6.2	
FD-107-ST	10.7	6.2	
FD-108-ST	10.8	6.2	
FD-109-ST	10.9	6.2	

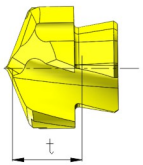
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-110-ST	11.0	6.6	FD110/119-16-..D-CST
FD-111-ST	11.1	6.6	
FD-112-ST	11.2	6.6	
FD-113-ST	11.3	6.6	
FD-114-ST	11.4	6.6	
FD-115-ST	11.5	6.6	
FD-116-ST	11.6	6.6	
FD-117-ST	11.7	6.6	
FD-118-ST	11.8	6.6	
FD-119-ST	11.9	6.6	
FD-120-ST	12.0	7.0	FD120/129-16-..D-CST
FD-121-ST	12.1	7.0	
FD-122-ST	12.2	7.0	
FD-123-ST	12.3	7.0	
FD-124-ST	12.4	7.0	
FD-125-ST	12.5	7.0	
FD-126-ST	12.6	7.0	
FD-127-ST	12.7	7.0	
FD-128-ST	12.8	7.0	
FD-129-ST	12.9	7.0	
FD-130-ST	13.0	7.6	FD130/139-16-..D-CST
FD-131-ST	13.1	7.6	
FD-132-ST	13.2	7.6	
FD-133-ST	13.3	7.6	
FD-134-ST	13.4	7.6	
FD-135-ST	13.5	7.6	
FD-136-ST	13.6	7.6	
FD-137-ST	13.7	7.6	
FD-138-ST	13.8	7.6	
FD-139-ST	13.9	7.6	

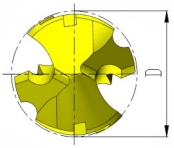
注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆QD. . -. . D-CST配套使用。

ST Cuting head is a universal one ,it can be used for drilling stainless steel , carbon steel,Mn steel,alloy steel etc.and other materials for chips not to be broken easily .

FD. . . ST 通用型钻尖ST型 Special Drilling Head ST







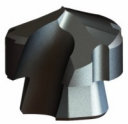
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-140-ST	14.0	8.1	FD140/149-16-..D-CST
FD-141-ST	14.1	8.1	
FD-142-ST	14.2	8.1	
FD-143-ST	14.3	8.1	
FD-144-ST	14.4	8.1	
FD-145-ST	14.5	8.1	
FD-146-ST	14.6	8.1	
FD-147-ST	14.7	8.1	
FD-148-ST	14.8	8.1	
FD-149-ST	14.9	8.1	
FD-150-ST	15.0	8.7	FD150/159-20-..D-CST
FD-151-ST	15.1	8.7	
FD-152-ST	15.2	8.7	
FD-153-ST	15.3	8.7	
FD-154-ST	15.4	8.7	
FD-155-ST	15.5	8.7	
FD-156-ST	15.6	8.7	
FD-157-ST	15.7	8.7	
FD-158-ST	15.8	8.7	
FD-159-ST	15.9	8.7	
FD-160-ST	16.0	9.3	FD160169-20-..D-CST
FD-161-ST	16.1	9.3	
FD-162-ST	16.2	9.3	
FD-163-ST	16.3	9.3	
FD-164-ST	16.4	9.3	
FD-165-ST	16.5	9.3	
FD-166-ST	16.6	9.3	
FD-167-ST	16.7	9.3	
FD-168-ST	16.8	9.3	
FD-169-ST	16.9	9.3	

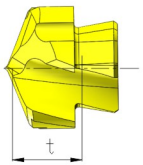
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-170-ST	17.0	9.9	FD170/179-20-..D-CST
FD-171-ST	17.1	9.9	
FD-172-ST	17.2	9.9	
FD-173-ST	17.3	9.9	
FD-174-ST	17.4	9.9	
FD-175-ST	17.5	9.9	
FD-176-ST	17.6	9.9	
FD-177-ST	17.7	9.9	
FD-178-ST	17.8	9.9	
FD-179-ST	17.9	9.9	
FD-180-ST	18.0	10.5	FD180/189-25-..D-CST
FD-181-ST	18.1	10.5	
FD-182-ST	18.2	10.5	
FD-183-ST	18.3	10.5	
FD-184-ST	18.4	10.5	
FD-185-ST	18.5	10.5	
FD-186-ST	18.6	10.5	
FD-187-ST	18.7	10.5	
FD-188-ST	18.8	10.5	
FD-189-ST	18.9	10.5	
FD-190-ST	19.0	11.0	FD190/199-25-..D-CST
FD-191-ST	19.1	11.0	
FD-192-ST	19.2	11.0	
FD-193-ST	19.3	11.0	
FD-194-ST	19.4	11.0	
FD-195-ST	19.5	11.0	
FD-196-ST	19.6	11.0	
FD-197-ST	19.7	11.0	
FD-198-ST	19.8	11.0	
FD-199-ST	19.9	11.0	

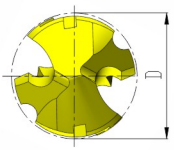
注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆QD. . -. . D-CST配套使用。

ST Cuting head is a universal one ,it can be used for drilling stainless steel , carbon steel,Mn steel,alloy steel etc.and other materials for chips not to be broken easily .

FD. . . ST 通用型钻尖ST型 Special Drilling Head ST







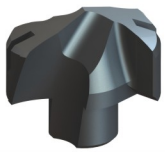
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-200-ST	20.0	11.6	FD200/209-25-..D-CST
FD-201-ST	20.1	11.6	
FD-202-ST	20.2	11.6	
FD-203-ST	20.3	11.6	
FD-204-ST	20.4	11.6	
FD-205-ST	20.5	11.6	
FD-206-ST	20.6	11.6	
FD-207-ST	20.7	11.6	
FD-208-ST	20.8	11.6	
FD-209-ST	20.9	11.6	
FD-210-ST	21.0	12.1	FD210/219-25-..D-CST
FD-211-ST	21.1	12.1	
FD-212-ST	21.2	12.1	
FD-213-ST	21.3	12.1	
FD-214-ST	21.4	12.1	
FD-215-ST	21.5	12.1	
FD-216-ST	21.6	12.1	
FD-217-ST	21.7	12.1	
FD-218-ST	21.8	12.1	
FD-219-ST	21.9	12.1	
FD-220-ST	22.0	12.7	FD220/229-25-..D-CST
FD-221-ST	22.1	12.7	
FD-222-ST	22.2	12.7	
FD-223-ST	22.3	12.7	
FD-224-ST	22.4	12.7	
FD-225-ST	22.5	12.7	
FD-226-ST	22.6	12.7	
FD-227-ST	22.7	12.7	
FD-228-ST	22.8	12.7	
FD-229-ST	22.9	12.7	

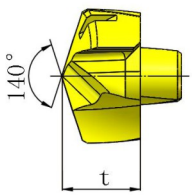
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
FD-230-ST	23.0	13.3	FD230/239-32-..D-CST
FD-231-ST	23.1	13.3	
FD-232-ST	23.2	13.3	
FD-233-ST	23.3	13.3	
FD-234-ST	23.4	13.3	
FD-235-ST	23.5	13.3	
FD-236-ST	23.6	13.3	
FD-237-ST	23.7	13.3	
FD-238-ST	23.8	13.3	
FD-239-ST	23.9	13.3	
FD-240-ST	24.0	13.9	FD240/249-32-..D-CST
FD-241-ST	24.1	13.9	
FD-242-ST	24.2	13.9	
FD-243-ST	24.3	13.9	
FD-244-ST	24.4	13.9	
FD-245-ST	24.5	13.9	
FD-246-ST	24.6	13.9	
FD-247-ST	24.7	13.9	
FD-248-ST	24.8	13.9	
FD-249-ST	24.9	13.9	
FD-250-ST	25.0	14.5	FD250/260-32-..D-CST
FD-251-ST	25.1	14.5	
FD-252-ST	25.2	14.5	
FD-253-ST	25.3	14.5	
FD-254-ST	25.4	14.5	
FD-255-ST	25.5	14.5	
FD-256-ST	25.6	14.5	
FD-257-ST	25.7	14.5	
FD-258-ST	25.8	14.5	
FD-259-ST	25.9	14.5	
FD-260-ST	26.0	14.5	

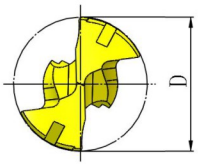
注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆QD. . -. . D-CST配套使用。

ST Cuting head is a universal one ,it can be used for drilling stainless steel , carbon steel,Mn steel,alloy steel etc.and other materials for chips not to be broken easily .

CD. . . S1 标准钻尖S1型 Standard Drilling Head S1







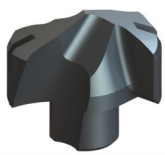
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-080-S1	8.0	5.4	CD080/089-12-..D-..
CD-081-S1	8.1	5.4	
CD-082-S1	8.2	5.4	
CD-083-S1	8.3	5.4	
CD-084-S1	8.4	5.4	
CD-085-S1	8.5	5.4	
CD-086-S1	8.6	5.4	
CD-087-S1	8.7	5.4	
CD-088-S1	8.8	5.4	
CD-089-S1	8.9	5.4	
CD-090-S1	9.0	5.8	CD090/099-12-..D-..
CD-091-S1	9.1	5.8	
CD-092-S1	9.2	5.8	
CD-093-S1	9.3	5.8	
CD-094-S1	9.4	5.8	
CD-095-S1	9.5	5.8	
CD-096-S1	9.6	5.8	
CD-097-S1	9.7	5.8	
CD-098-S1	9.8	5.8	
CD-099-S1	9.9	5.8	
CD-100-S1	10.0	6.2	CD100/109-16-..D-..
CD-101-S1	10.1	6.2	
CD-102-S1	10.2	6.2	
CD-103-S1	10.3	6.2	
CD-104-S1	10.4	6.2	
CD-105-S1	10.5	6.2	
CD-106-S1	10.6	6.2	
CD-107-S1	10.7	6.2	
CD-108-S1	10.8	6.2	
CD-109-S1	10.9	6.2	

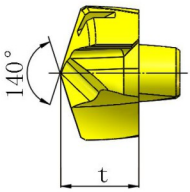
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-110-S1	11.0	6.6	CD110/119-16-..D-..
CD-111-S1	11.1	6.6	
CD-112-S1	11.2	6.6	
CD-113-S1	11.3	6.6	
CD-114-S1	11.4	6.6	
CD-115-S1	11.5	6.6	
CD-116-S1	11.6	6.6	
CD-117-S1	11.7	6.6	
CD-118-S1	11.8	6.6	
CD-119-S1	11.9	6.6	
CD-120-S1	12.0	7.0	CD120/129-16-..D-..
CD-121-S1	12.1	7.0	
CD-122-S1	12.2	7.0	
CD-123-S1	12.3	7.0	
CD-124-S1	12.4	7.0	
CD-125-S1	12.5	7.0	
CD-126-S1	12.6	7.0	
CD-127-S1	12.7	7.0	
CD-128-S1	12.8	7.0	
CD-129-S1	12.9	7.0	
CD-130-S1	13.0	7.6	CD130/139-16-..D-..
CD-131-S1	13.1	7.6	
CD-132-S1	13.2	7.6	
CD-133-S1	13.3	7.6	
CD-134-S1	13.4	7.6	
CD-135-S1	13.5	7.6	
CD-136-S1	13.6	7.6	
CD-137-S1	13.7	7.6	
CD-138-S1	13.8	7.6	
CD-139-S1	13.9	7.6	

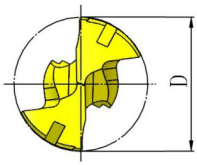
注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）

Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

CD. . . S1 标准钻尖S1型 Standard Drilling Head S1





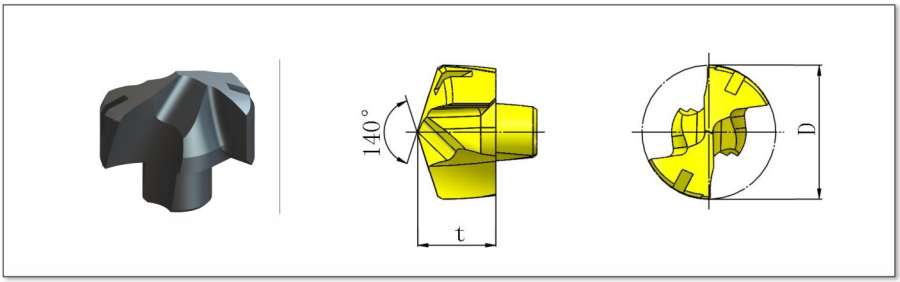


订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-140-S1	14.0	8.1	CD140/149-16-..D-..
CD-141-S1	14.1	8.1	
CD-142-S1	14.2	8.1	
CD-143-S1	14.3	8.1	
CD-144-S1	14.4	8.1	
CD-145-S1	14.5	8.1	
CD-146-S1	14.6	8.1	
CD-147-S1	14.7	8.1	
CD-148-S1	14.8	8.1	
CD-149-S1	14.9	8.1	
CD-150-S1	15.0	8.7	CD150/159-20-..D-..
CD-151-S1	15.1	8.7	
CD-152-S1	15.2	8.7	
CD-153-S1	15.3	8.7	
CD-154-S1	15.4	8.7	
CD-155-S1	15.5	8.7	
CD-156-S1	15.6	8.7	
CD-157-S1	15.7	8.7	
CD-158-S1	15.8	8.7	
CD-159-S1	15.9	8.7	
CD-160-S1	16.0	9.3	CD160/169-20-..D-..
CD-161-S1	16.1	9.3	
CD-162-S1	16.2	9.3	
CD-163-S1	16.3	9.3	
CD-164-S1	16.4	9.3	
CD-165-S1	16.5	9.3	
CD-166-S1	16.6	9.3	
CD-167-S1	16.7	9.3	
CD-168-S1	16.8	9.3	
CD-169-S1	16.9	9.3	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-170-S1	17.0	9.9	CD170/179-20-..D-..
CD-171-S1	17.1	9.9	
CD-172-S1	17.2	9.9	
CD-173-S1	17.3	9.9	
CD-174-S1	17.4	9.9	
CD-175-S1	17.5	9.9	
CD-176-S1	17.6	9.9	
CD-177-S1	17.7	9.9	
CD-178-S1	17.8	9.9	
CD-179-S1	17.9	9.9	
CD-180-S1	18.0	10.5	CD180/189-25-..D-..
CD-181-S1	18.1	10.5	
CD-182-S1	18.2	10.5	
CD-183-S1	18.3	10.5	
CD-184-S1	18.4	10.5	
CD-185-S1	18.5	10.5	
CD-186-S1	18.6	10.5	
CD-187-S1	18.7	10.5	
CD-188-S1	18.8	10.5	
CD-189-S1	18.9	10.5	
CD-190-S1	19.0	11.0	CD190/199-25-..D-..
CD-191-S1	19.1	11.0	
CD-192-S1	19.2	11.0	
CD-193-S1	19.3	11.0	
CD-194-S1	19.4	11.0	
CD-195-S1	19.5	11.0	
CD-196-S1	19.6	11.0	
CD-197-S1	19.7	11.0	
CD-198-S1	19.8	11.0	
CD-199-S1	19.9	11.0	

注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）
Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

CD. . . S1 标准钻尖S1型 Standard Drilling Head S1



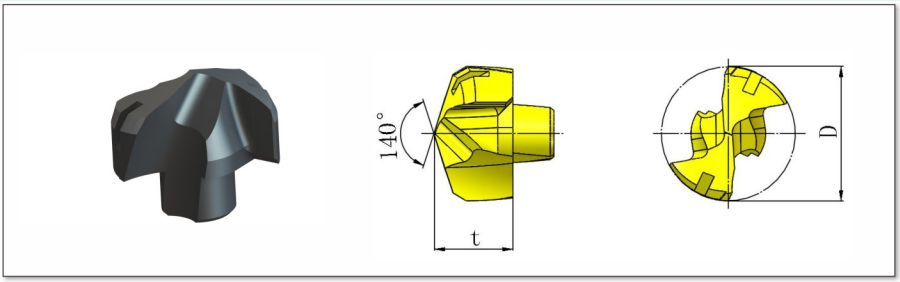
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-200-S1	20.0	11.6	CD200/209-25-..D-..
CD-201-S1	20.1	11.6	
CD-202-S1	20.2	11.6	
CD-203-S1	20.3	11.6	
CD-204-S1	20.4	11.6	
CD-205-S1	20.5	11.6	
CD-206-S1	20.6	11.6	
CD-207-S1	20.7	11.6	
CD-208-S1	20.8	11.6	
CD-209-S1	20.9	11.6	
CD-210-S1	21.0	12.1	CD210/219-25-..D-..
CD-211-S1	21.1	12.1	
CD-212-S1	21.2	12.1	
CD-213-S1	21.3	12.1	
CD-214-S1	21.4	12.1	
CD-215-S1	21.5	12.1	
CD-216-S1	21.6	12.1	
CD-217-S1	21.7	12.1	
CD-218-S1	21.8	12.1	
CD-219-S1	21.9	12.1	
CD-220-S1	22.0	12.7	CD220/229-25-..D-..
CD-221-S1	22.1	12.7	
CD-222-S1	22.2	12.7	
CD-223-S1	22.3	12.7	
CD-224-S1	22.4	12.7	
CD-225-S1	22.5	12.7	
CD-226-S1	22.6	12.7	
CD-227-S1	22.7	12.7	
CD-228-S1	22.8	12.7	
CD-229-S1	22.9	12.7	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-230-S1	23.0	13.3	CD230/239-32-..D-..
CD-231-S1	23.1	13.3	
CD-232-S1	23.2	13.3	
CD-233-S1	23.3	13.3	
CD-234-S1	23.4	13.3	
CD-235-S1	23.5	13.3	
CD-236-S1	23.6	13.3	
CD-237-S1	23.7	13.3	
CD-238-S1	23.8	13.3	
CD-239-S1	23.9	13.3	
CD-240-S1	24.0	13.9	CD240/249-32-..D-..
CD-241-S1	24.1	13.9	
CD-242-S1	24.2	13.9	
CD-243-S1	24.3	13.9	
CD-244-S1	24.4	13.9	
CD-245-S1	24.5	13.9	
CD-246-S1	24.6	13.9	
CD-247-S1	24.7	13.9	
CD-248-S1	24.8	13.9	
CD-249-S1	24.9	13.9	
CD-250-S1	25.0	14.5	CD250/260-32-..D-..
CD-251-S1	25.1	14.5	
CD-252-S1	25.2	14.5	
CD-253-S1	25.3	14.5	
CD-254-S1	25.4	14.5	
CD-255-S1	25.5	14.5	
CD-256-S1	25.6	14.5	
CD-257-S1	25.7	14.5	
CD-258-S1	25.8	14.5	
CD-259-S1	25.9	14.5	
CD-260-S1	26.0	14.5	

注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）

Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

CD. . . S2 标准钻尖S2型 Standard Drilling Head S2

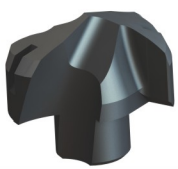


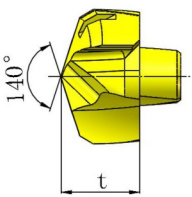
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-080-S2	8.0	5.4	CD080/089-12-..D-..
CD-081-S2	8.1	5.4	
CD-082-S2	8.2	5.4	
CD-083-S2	8.3	5.4	
CD-084-S2	8.4	5.4	
CD-085-S2	8.5	5.4	
CD-086-S2	8.6	5.4	
CD-087-S2	8.7	5.4	
CD-088-S2	8.8	5.4	
CD-089-S2	8.9	5.4	
CD-090-S2	9.0	5.8	CD090/099-12-..D-..
CD-091-S2	9.1	5.8	
CD-092-S2	9.2	5.8	
CD-093-S2	9.3	5.8	
CD-094-S2	9.4	5.8	
CD-095-S2	9.5	5.8	
CD-096-S2	9.6	5.8	
CD-097-S2	9.7	5.8	
CD-098-S2	9.8	5.8	
CD-099-S2	9.9	5.8	
CD-100-S2	10.0	6.2	CD100/109-16-..D-..
CD-101-S2	10.1	6.2	
CD-102-S2	10.2	6.2	
CD-103-S2	10.3	6.2	
CD-104-S2	10.4	6.2	
CD-105-S2	10.5	6.2	
CD-106-S2	10.6	6.2	
CD-107-S2	10.7	6.2	
CD-108-S2	10.8	6.2	
CD-109-S2	10.9	6.2	

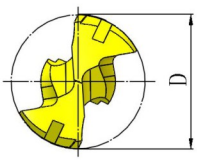
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-110-S2	11.0	6.6	CD110/119-16-..D-..
CD-111-S2	11.1	6.6	
CD-112-S2	11.2	6.6	
CD-113-S2	11.3	6.6	
CD-114-S2	11.4	6.6	
CD-115-S2	11.5	6.6	
CD-116-S2	11.6	6.6	
CD-117-S2	11.7	6.6	
CD-118-S2	11.8	6.6	
CD-119-S2	11.9	6.6	
CD-120-S2	12.0	7.0	CD120/129-16-..D-..
CD-121-S2	12.1	7.0	
CD-122-S2	12.2	7.0	
CD-123-S2	12.3	7.0	
CD-124-S2	12.4	7.0	
CD-125-S2	12.5	7.0	
CD-126-S2	12.6	7.0	
CD-127-S2	12.7	7.0	
CD-128-S2	12.8	7.0	
CD-129-S2	12.9	7.0	
CD-130-S2	13.0	7.6	CD130/139-16-..D-..
CD-131-S2	13.1	7.6	
CD-132-S2	13.2	7.6	
CD-133-S2	13.3	7.6	
CD-134-S2	13.4	7.6	
CD-135-S2	13.5	7.6	
CD-136-S2	13.6	7.6	
CD-137-S2	13.7	7.6	
CD-138-S2	13.8	7.6	
CD-139-S2	13.9	7.6	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

CD. . . S2 标准钻尖S2型 Standard Drilling Head S2





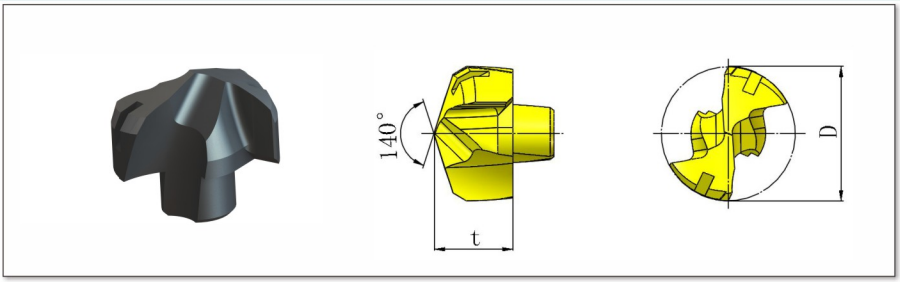


订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-140-S2	14.0	8.1	CD140/149-16-..D-..
CD-141-S2	14.1	8.1	
CD-142-S2	14.2	8.1	
CD-143-S2	14.3	8.1	
CD-144-S2	14.4	8.1	
CD-145-S2	14.5	8.1	
CD-146-S2	14.6	8.1	
CD-147-S2	14.7	8.1	
CD-148-S2	14.8	8.1	
CD-149-S2	14.9	8.1	
CD-150-S2	15.0	8.7	CD150/159-20-..D-..
CD-151-S2	15.1	8.7	
CD-152-S2	15.2	8.7	
CD-153-S2	15.3	8.7	
CD-154-S2	15.4	8.7	
CD-155-S2	15.5	8.7	
CD-156-S2	15.6	8.7	
CD-157-S2	15.7	8.7	
CD-158-S2	15.8	8.7	
CD-159-S2	15.9	8.7	
CD-160-S2	16.0	9.3	CD160/169-20-..D-..
CD-161-S2	16.1	9.3	
CD-162-S2	16.2	9.3	
CD-163-S2	16.3	9.3	
CD-164-S2	16.4	9.3	
CD-165-S2	16.5	9.3	
CD-166-S2	16.6	9.3	
CD-167-S2	16.7	9.3	
CD-168-S2	16.8	9.3	
CD-169-S2	16.9	9.3	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-170-S2	17.0	9.9	CD170/179-20-..D-..
CD-171-S2	17.1	9.9	
CD-172-S2	17.2	9.9	
CD-173-S2	17.3	9.9	
CD-174-S2	17.4	9.9	
CD-175-S2	17.5	9.9	
CD-176-S2	17.6	9.9	
CD-177-S2	17.7	9.9	
CD-178-S2	17.8	9.9	
CD-179-S2	17.9	9.9	
CD-180-S2	18.0	10.5	CD180/189-25-..D-..
CD-181-S2	18.1	10.5	
CD-182-S2	18.2	10.5	
CD-183-S2	18.3	10.5	
CD-184-S2	18.4	10.5	
CD-185-S2	18.5	10.5	
CD-186-S2	18.6	10.5	
CD-187-S2	18.7	10.5	
CD-188-S2	18.8	10.5	
CD-189-S2	18.9	10.5	
CD-190-S2	19.0	11.0	CD190/199-25-..D-..
CD-191-S2	19.1	11.0	
CD-192-S2	19.2	11.0	
CD-193-S2	19.3	11.0	
CD-194-S2	19.4	11.0	
CD-195-S2	19.5	11.0	
CD-196-S2	19.6	11.0	
CD-197-S2	19.7	11.0	
CD-198-S2	19.8	11.0	
CD-199-S2	19.9	11.0	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

CD. . . S2 标准钻尖S2型 Standard Drilling Head S2

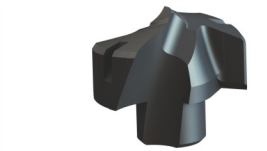


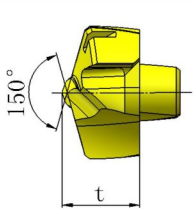
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-200-S2	20.0	11.6	CD200/209-25-..D-..
CD-201-S2	20.1	11.6	
CD-202-S2	20.2	11.6	
CD-203-S2	20.3	11.6	
CD-204-S2	20.4	11.6	
CD-205-S2	20.5	11.6	
CD-206-S2	20.6	11.6	
CD-207-S2	20.7	11.6	
CD-208-S2	20.8	11.6	
CD-209-S2	20.9	11.6	
CD-210-S2	21.0	12.1	CD210/219-25-..D-..
CD-211-S2	21.1	12.1	
CD-212-S2	21.2	12.1	
CD-213-S2	21.3	12.1	
CD-214-S2	21.4	12.1	
CD-215-S2	21.5	12.1	
CD-216-S2	21.6	12.1	
CD-217-S2	21.7	12.1	
CD-218-S2	21.8	12.1	
CD-219-S2	21.9	12.1	
CD-220-S2	22.0	12.7	CD220/229-25-..D-..
CD-221-S2	22.1	12.7	
CD-222-S2	22.2	12.7	
CD-223-S2	22.3	12.7	
CD-224-S2	22.4	12.7	
CD-225-S2	22.5	12.7	
CD-226-S2	22.6	12.7	
CD-227-S2	22.7	12.7	
CD-228-S2	22.8	12.7	
CD-229-S2	22.9	12.7	

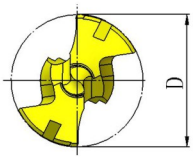
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-230-S2	23.0	13.3	CD230/239-32-..D-..
CD-231-S2	23.1	13.3	
CD-232-S2	23.2	13.3	
CD-233-S2	23.3	13.3	
CD-234-S2	23.4	13.3	
CD-235-S2	23.5	13.3	
CD-236-S2	23.6	13.3	
CD-237-S2	23.7	13.3	
CD-238-S2	23.8	13.3	
CD-239-S2	23.9	13.3	
CD-240-S2	24.0	13.9	CD240/249-32-..D-..
CD-241-S2	24.1	13.9	
CD-242-S2	24.2	13.9	
CD-243-S2	24.3	13.9	
CD-244-S2	24.4	13.9	
CD-245-S2	24.5	13.9	
CD-246-S2	24.6	13.9	
CD-247-S2	24.7	13.9	
CD-248-S2	24.8	13.9	
CD-249-S2	24.9	13.9	
CD-250-S2	25.0	14.5	CD250/260-32-..D-..
CD-251-S2	25.1	14.5	
CD-252-S2	25.2	14.5	
CD-253-S2	25.3	14.5	
CD-254-S2	25.4	14.5	
CD-255-S2	25.5	14.5	
CD-256-S2	25.6	14.5	
CD-257-S2	25.7	14.5	
CD-258-S2	25.8	14.5	
CD-259-S2	25.9	14.5	
CD-260-S2	26.0	14.5	

注：S2钻尖适用于灰口铸铁、球墨铸铁等钻孔。
Recommend S2 cutting head to be used for grey iron cast, nodular cast iron

CD. . . RA 特种钻尖RA型 Special Drilling Head RA







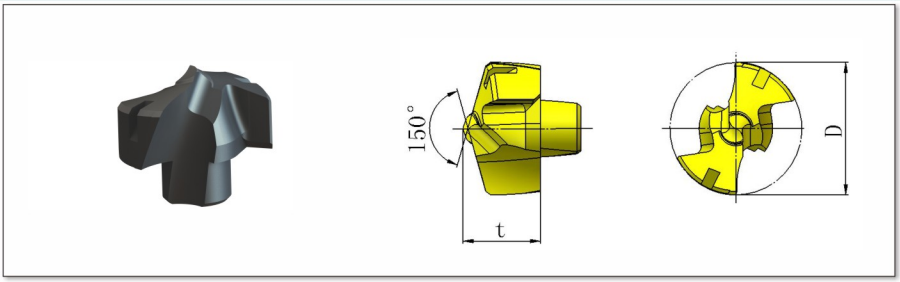
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-080-RA	8.0	5.4	CD080/089-12-..D-..
CD-081-RA	8.1	5.4	
CD-082-RA	8.2	5.4	
CD-083-RA	8.3	5.4	
CD-084-RA	8.4	5.4	
CD-085-RA	8.5	5.4	
CD-086-RA	8.6	5.4	
CD-087-RA	8.7	5.4	
CD-088-RA	8.8	5.4	
CD-089-RA	8.9	5.4	
CD-090-RA	9.0	5.8	CD090/099-12-..D-..
CD-091-RA	9.1	5.8	
CD-092-RA	9.2	5.8	
CD-093-RA	9.3	5.8	
CD-094-RA	9.4	5.8	
CD-095-RA	9.5	5.8	
CD-096-RA	9.6	5.8	
CD-097-RA	9.7	5.8	
CD-098-RA	9.8	5.8	
CD-099-RA	9.9	5.8	
CD-100-RA	10.0	6.2	CD100/109-16-..D-..
CD-101-RA	10.1	6.2	
CD-102-RA	10.2	6.2	
CD-103-RA	10.3	6.2	
CD-104-RA	10.4	6.2	
CD-105-RA	10.5	6.2	
CD-106-RA	10.6	6.2	
CD-107-RA	10.7	6.2	
CD-108-RA	10.8	6.2	
CD-109-RA	10.9	6.2	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-110-RA	11.0	6.6	CD110/119-16-..D-..
CD-111-RA	11.1	6.6	
CD-112-RA	11.2	6.6	
CD-113-RA	11.3	6.6	
CD-114-RA	11.4	6.6	
CD-115-RA	11.5	6.6	
CD-116-RA	11.6	6.6	
CD-117-RA	11.7	6.6	
CD-118-RA	11.8	6.6	
CD-119-RA	11.9	6.6	
CD-120-RA	12.0	7.0	CD120/129-16-..D-..
CD-121-RA	12.1	7.0	
CD-122-RA	12.2	7.0	
CD-123-RA	12.3	7.0	
CD-124-RA	12.4	7.0	
CD-125-RA	12.5	7.0	
CD-126-RA	12.6	7.0	
CD-127-RA	12.7	7.0	
CD-128-RA	12.8	7.0	
CD-129-RA	12.9	7.0	
CD-130-RA	13.0	7.6	CD130/139-16-..D-..
CD-131-RA	13.1	7.6	
CD-132-RA	13.2	7.6	
CD-133-RA	13.3	7.6	
CD-134-RA	13.4	7.6	
CD-135-RA	13.5	7.6	
CD-136-RA	13.6	7.6	
CD-137-RA	13.7	7.6	
CD-138-RA	13.8	7.6	
CD-139-RA	13.9	7.6	

注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

CD. . . RA 特种钻尖RA型 Special Drilling Head RA



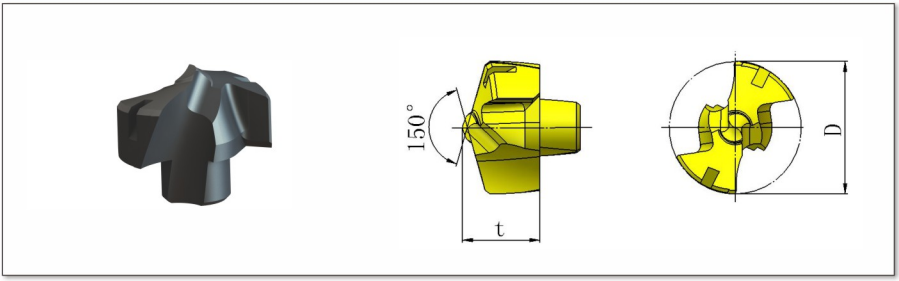
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-140-RA	14.0	8.1	CD140/149-16-..D-..
CD-141-RA	14.1	8.1	
CD-142-RA	14.2	8.1	
CD-143-RA	14.3	8.1	
CD-144-RA	14.4	8.1	
CD-145-RA	14.5	8.1	
CD-146-RA	14.6	8.1	
CD-147-RA	14.7	8.1	
CD-148-RA	14.8	8.1	
CD-149-RA	14.9	8.1	
CD-150-RA	15.0	8.7	CD150/159-20-..D-..
CD-151-RA	15.1	8.7	
CD-152-RA	15.2	8.7	
CD-153-RA	15.3	8.7	
CD-154-RA	15.4	8.7	
CD-155-RA	15.5	8.7	
CD-156-RA	15.6	8.7	
CD-157-RA	15.7	8.7	
CD-158-RA	15.8	8.7	
CD-159-RA	15.9	8.7	
CD-160-RA	16.0	9.3	CD160/169-20-..D-..
CD-161-RA	16.1	9.3	
CD-162-RA	16.2	9.3	
CD-163-RA	16.3	9.3	
CD-164-RA	16.4	9.3	
CD-165-RA	16.5	9.3	
CD-166-RA	16.6	9.3	
CD-167-RA	16.7	9.3	
CD-168-RA	16.8	9.3	
CD-169-RA	16.9	9.3	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-170-RA	17.0	9.9	CD170/179-20-..D-..
CD-171-RA	17.1	9.9	
CD-172-RA	17.2	9.9	
CD-173-RA	17.3	9.9	
CD-174-RA	17.4	9.9	
CD-175-RA	17.5	9.9	
CD-176-RA	17.6	9.9	
CD-177-RA	17.7	9.9	
CD-178-RA	17.8	9.9	
CD-179-RA	17.9	9.9	
CD-180-RA	18.0	10.5	CD180/189-25-..D-..
CD-181-RA	18.1	10.5	
CD-182-RA	18.2	10.5	
CD-183-RA	18.3	10.5	
CD-184-RA	18.4	10.5	
CD-185-RA	18.5	10.5	
CD-186-RA	18.6	10.5	
CD-187-RA	18.7	10.5	
CD-188-RA	18.8	10.5	
CD-189-RA	18.9	10.5	
CD-190-RA	19.0	11.0	CD190/199-25-..D-..
CD-191-RA	19.1	11.0	
CD-192-RA	19.2	11.0	
CD-193-RA	19.3	11.0	
CD-194-RA	19.4	11.0	
CD-195-RA	19.5	11.0	
CD-196-RA	19.6	11.0	
CD-197-RA	19.7	11.0	
CD-198-RA	19.8	11.0	
CD-199-RA	19.9	11.0	

注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

CD. . . RA 特种钻尖RA型 Special Drilling Head RA



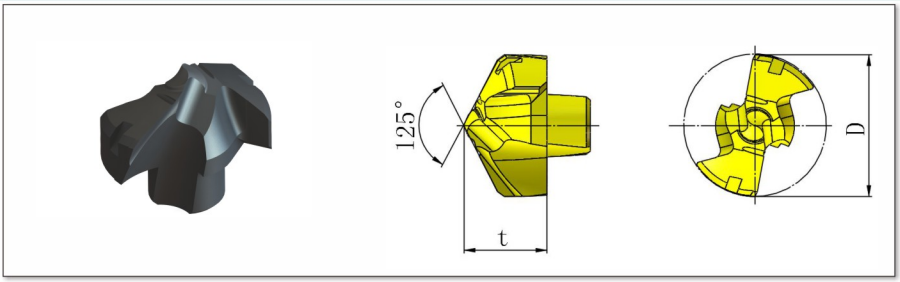
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-200-RA	20.0	11.6	CD200/209-25-..D-..
CD-201-RA	20.1	11.6	
CD-202-RA	20.2	11.6	
CD-203-RA	20.3	11.6	
CD-204-RA	20.4	11.6	
CD-205-RA	20.5	11.6	
CD-206-RA	20.6	11.6	
CD-207-RA	20.7	11.6	
CD-208-RA	20.8	11.6	
CD-209-RA	20.9	11.6	
CD-210-RA	21.0	12.1	CD210/219-25-..D-..
CD-211-RA	21.1	12.1	
CD-212-RA	21.2	12.1	
CD-213-RA	21.3	12.1	
CD-214-RA	21.4	12.1	
CD-215-RA	21.5	12.1	
CD-216-RA	21.6	12.1	
CD-217-RA	21.7	12.1	
CD-218-RA	21.8	12.1	
CD-219-RA	21.9	12.1	
CD-220-RA	22.0	12.7	CD220/229-25-..D-..
CD-221-RA	22.1	12.7	
CD-222-RA	22.2	12.7	
CD-223-RA	22.3	12.7	
CD-224-RA	22.4	12.7	
CD-225-RA	22.5	12.7	
CD-226-RA	22.6	12.7	
CD-227-RA	22.7	12.7	
CD-228-RA	22.8	12.7	
CD-229-RA	22.9	12.7	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-230-RA	23.0	13.3	CD230/239-32-..D-..
CD-231-RA	23.1	13.3	
CD-232-RA	23.2	13.3	
CD-233-RA	23.3	13.3	
CD-234-RA	23.4	13.3	
CD-235-RA	23.5	13.3	
CD-236-RA	23.6	13.3	
CD-237-RA	23.7	13.3	
CD-238-RA	23.8	13.3	
CD-239-RA	23.9	13.3	
CD-240-RA	24.0	13.9	CD240/249-32-..D-..
CD-241-RA	24.1	13.9	
CD-242-RA	24.2	13.9	
CD-243-RA	24.3	13.9	
CD-244-RA	24.4	13.9	
CD-245-RA	24.5	13.9	
CD-246-RA	24.6	13.9	
CD-247-RA	24.7	13.9	
CD-248-RA	24.8	13.9	
CD-249-RA	24.9	13.9	
CD-250-RA	25.0	14.5	CD250/260-32-..D-..
CD-251-RA	25.1	14.5	
CD-252-RA	25.2	14.5	
CD-253-RA	25.3	14.5	
CD-254-RA	25.4	14.5	
CD-255-RA	25.5	14.5	
CD-256-RA	25.6	14.5	
CD-257-RA	25.7	14.5	
CD-258-RA	25.8	14.5	
CD-259-RA	25.9	14.5	
CD-260-RA	26.0	14.5	

注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

CD. . . RD 特种钻尖RD型 Special Drilling Head RD



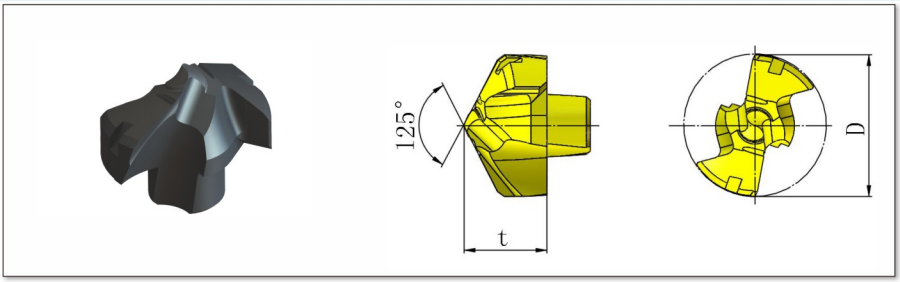
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-080-RD	8.0	5.4	CD080/089-12-..D-..
CD-081-RD	8.1	5.4	
CD-082-RD	8.2	5.4	
CD-083-RD	8.3	5.4	
CD-084-RD	8.4	5.4	
CD-085-RD	8.5	5.4	
CD-086-RD	8.6	5.4	
CD-087-RD	8.7	5.4	
CD-088-RD	8.8	5.4	
CD-089-RD	8.9	5.4	
CD-090-RD	9.0	5.8	CD090/099-12-..D-..
CD-091-RD	9.1	5.8	
CD-092-RD	9.2	5.8	
CD-093-RD	9.3	5.8	
CD-094-RD	9.4	5.8	
CD-095-RD	9.5	5.8	
CD-096-RD	9.6	5.8	
CD-097-RD	9.7	5.8	
CD-098-RD	9.8	5.8	
CD-099-RD	9.9	5.8	
CD-100-RD	10.0	6.2	CD100/109-16-..D-..
CD-101-RD	10.1	6.2	
CD-102-RD	10.2	6.2	
CD-103-RD	10.3	6.2	
CD-104-RD	10.4	6.2	
CD-105-RD	10.5	6.2	
CD-106-RD	10.6	6.2	
CD-107-RD	10.7	6.2	
CD-108-RD	10.8	6.2	
CD-109-RD	10.9	6.2	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-110-RD	11.0	6.6	CD110/119-16-..D-..
CD-111-RD	11.1	6.6	
CD-112-RD	11.2	6.6	
CD-113-RD	11.3	6.6	
CD-114-RD	11.4	6.6	
CD-115-RD	11.5	6.6	
CD-116-RD	11.6	6.6	
CD-117-RD	11.7	6.6	
CD-118-RD	11.8	6.6	
CD-119-RD	11.9	6.6	
CD-120-RD	12.0	7.0	CD120/129-16-..D-..
CD-121-RD	12.1	7.0	
CD-122-RD	12.2	7.0	
CD-123-RD	12.3	7.0	
CD-124-RD	12.4	7.0	
CD-125-RD	12.5	7.0	
CD-126-RD	12.6	7.0	
CD-127-RD	12.7	7.0	
CD-128-RD	12.8	7.0	
CD-129-RD	12.9	7.0	
CD-130-RD	13.0	7.6	CD130/139-16-..D-..
CD-131-RD	13.1	7.6	
CD-132-RD	13.2	7.6	
CD-133-RD	13.3	7.6	
CD-134-RD	13.4	7.6	
CD-135-RD	13.5	7.6	
CD-136-RD	13.6	7.6	
CD-137-RD	13.7	7.6	
CD-138-RD	13.8	7.6	
CD-139-RD	13.9	7.6	

注：RD钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RD Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

CD. . . RD 特种钻尖RD型 Special Drilling Head RD



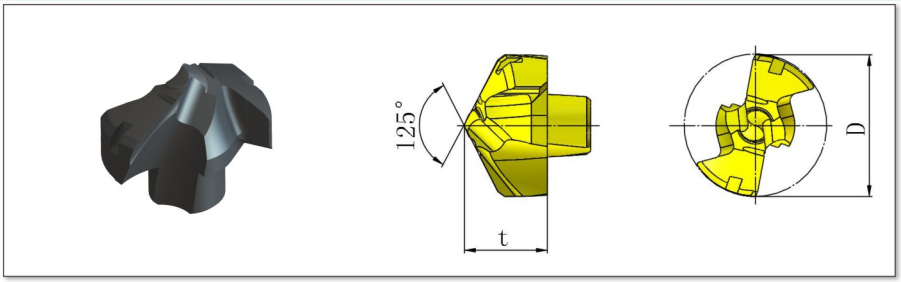
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-140-RD	14.0	8.1	CD140/149-16-..D-..
CD-141-RD	14.1	8.1	
CD-142-RD	14.2	8.1	
CD-143-RD	14.3	8.1	
CD-144-RD	14.4	8.1	
CD-145-RD	14.5	8.1	
CD-146-RD	14.6	8.1	
CD-147-RD	14.7	8.1	
CD-148-RD	14.8	8.1	
CD-149-RD	14.9	8.1	
CD-150-RD	15.0	8.7	CD150/159-20-..D-..
CD-151-RD	15.1	8.7	
CD-152-RD	15.2	8.7	
CD-153-RD	15.3	8.7	
CD-154-RD	15.4	8.7	
CD-155-RD	15.5	8.7	
CD-156-RD	15.6	8.7	
CD-157-RD	15.7	8.7	
CD-158-RD	15.8	8.7	
CD-159-RD	15.9	8.7	
CD-160-RD	16.0	9.3	CD160169-20-..D-..
CD-161-RD	16.1	9.3	
CD-162-RD	16.2	9.3	
CD-163-RD	16.3	9.3	
CD-164-RD	16.4	9.3	
CD-165-RD	16.5	9.3	
CD-166-RD	16.6	9.3	
CD-167-RD	16.7	9.3	
CD-168-RD	16.8	9.3	
CD-169-RD	16.9	9.3	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-170-RD	17.0	9.9	CD170/179-20-..D-..
CD-171-RD	17.1	9.9	
CD-172-RD	17.2	9.9	
CD-173-RD	17.3	9.9	
CD-174-RD	17.4	9.9	
CD-175-RD	17.5	9.9	
CD-176-RD	17.6	9.9	
CD-177-RD	17.7	9.9	
CD-178-RD	17.8	9.9	
CD-179-RD	17.9	9.9	
CD-180-RD	18.0	10.5	CD180/189-25-..D-..
CD-181-RD	18.1	10.5	
CD-182-RD	18.2	10.5	
CD-183-RD	18.3	10.5	
CD-184-RD	18.4	10.5	
CD-185-RD	18.5	10.5	
CD-186-RD	18.6	10.5	
CD-187-RD	18.7	10.5	
CD-188-RD	18.8	10.5	
CD-189-RD	18.9	10.5	
CD-190-RD	19.0	11.0	CD190/199-25-..D-..
CD-191-RD	19.1	11.0	
CD-192-RD	19.2	11.0	
CD-193-RD	19.3	11.0	
CD-194-RD	19.4	11.0	
CD-195-RD	19.5	11.0	
CD-196-RD	19.6	11.0	
CD-197-RD	19.7	11.0	
CD-198-RD	19.8	11.0	
CD-199-RD	19.9	11.0	

注：RD钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RD Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

CD. . . RD 特种钻尖RD型 Special Drilling Head RD



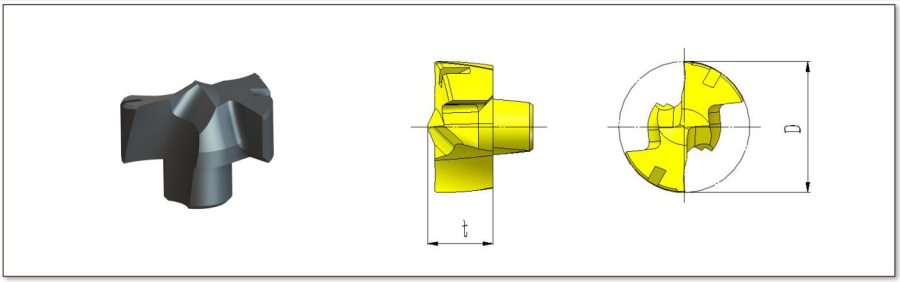
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
CD-200-RD	20.0	11.6	CD200/209-25-..D-..
CD-201-RD	20.1	11.6	
CD-202-RD	20.2	11.6	
CD-203-RD	20.3	11.6	
CD-204-RD	20.4	11.6	
CD-205-RD	20.5	11.6	
CD-206-RD	20.6	11.6	
CD-207-RD	20.7	11.6	
CD-208-RD	20.8	11.6	
CD-209-RD	20.9	11.6	
CD-210-RD	21.0	12.1	CD210/219-25-..D-..
CD-211-RD	21.1	12.1	
CD-212-RD	21.2	12.1	
CD-213-RD	21.3	12.1	
CD-214-RD	21.4	12.1	
CD-215-RD	21.5	12.1	
CD-216-RD	21.6	12.1	
CD-217-RD	21.7	12.1	
CD-218-RD	21.8	12.1	
CD-219-RD	21.9	12.1	
CD-220-RD	22.0	12.7	CD220/229-25-..D-..
CD-221-RD	22.1	12.7	
CD-222-RD	22.2	12.7	
CD-223-RD	22.3	12.7	
CD-224-RD	22.4	12.7	
CD-225-RD	22.5	12.7	
CD-226-RD	22.6	12.7	
CD-227-RD	22.7	12.7	
CD-228-RD	22.8	12.7	
CD-229-RD	22.9	12.7	

订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
CD-230-RD	23.0	13.3	CD230/239-32-..D-..
CD-231-RD	23.1	13.3	
CD-232-RD	23.2	13.3	
CD-233-RD	23.3	13.3	
CD-234-RD	23.4	13.3	
CD-235-RD	23.5	13.3	
CD-236-RD	23.6	13.3	
CD-237-RD	23.7	13.3	
CD-238-RD	23.8	13.3	
CD-239-RD	23.9	13.3	
CD-240-RD	24.0	13.9	CD240/249-32-..D-..
CD-241-RD	24.1	13.9	
CD-242-RD	24.2	13.9	
CD-243-RD	24.3	13.9	
CD-244-RD	24.4	13.9	
CD-245-RD	24.5	13.9	
CD-246-RD	24.6	13.9	
CD-247-RD	24.7	13.9	
CD-248-RD	24.8	13.9	
CD-249-RD	24.9	13.9	
CD-250-RD	25.0	14.5	CD250/260-32-..D-..
CD-251-RD	25.1	14.5	
CD-252-RD	25.2	14.5	
CD-253-RD	25.3	14.5	
CD-254-RD	25.4	14.5	
CD-255-RD	25.5	14.5	
CD-256-RD	25.6	14.5	
CD-257-RD	25.7	14.5	
CD-258-RD	25.8	14.5	
CD-259-RD	25.9	14.5	
CD-260-RD	26.0	14.5	

注：RD钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RD Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

CD. . . F 平底刀头 Flat Cutting Drilling Head

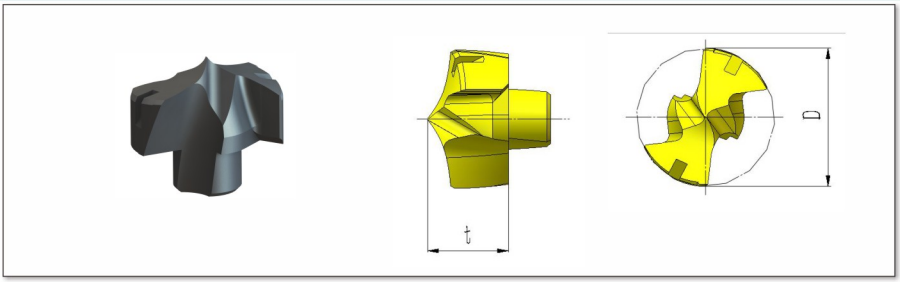


订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-080-F	8.0	4.0	CD080-089-12-..D-..
CD-085-F	8.5	4.0	
CD-090-F	9.0	4.2	CD090-099-12-..D-..
CD-095-F	9.5	4.2	
CD-100-F	10.0	4.4	CD100-109-16-..D-..
CD-105-F	10.5	4.4	
CD-110-F	11.0	4.5	CD110-119-16-..D-..
CD-115-F	11.5	4.5	
CD-120-F	12.0	4.8	CD120-129-16-..D-..
CD-125-F	12.5	4.8	
CD-130-F	13.0	5.1	CD130-139-16-..D-..
CD-135-F	13.5	5.1	
CD-140-F	14.0	5.5	CD140-149-16-..D-..
CD-145-F	14.5	5.5	
CD-150-F	15.0	5.9	CD150-159-20-..D-..
CD-155-F	15.5	5.9	
CD-160-F	16.0	6.3	CD160-169-20-..D-..
CD-165-F	16.5	6.3	
CD-170-F	17.0	6.6	CD170-179-20-..D-..
CD-175-F	17.5	6.6	
CD-180-F	18.0	6.9	CD180-189-25-..D-..
CD-185-F	18.5	6.9	
CD-190-F	19.0	7.2	CD190-199-25-..D-..
CD-195-F	19.5	7.2	
CD-200-F	20.0	8.2	CD200-209-25-..D-..
CD-205-F	20.5	8.2	
CD-210-F	21.0	8.6	CD210-219-25-..D-..
CD-215-F	21.5	8.6	
CD-220-F	22.0	8.9	CD220-229-25-..D-..
CD-225-F	22.5	8.9	
CD-230-F	23.0	9.3	CD230-239-32-..D-..
CD-235-F	23.5	9.3	
CD-240-F	24.0	9.7	CD240-249-32-..D-..
CD-245-F	24.5	9.7	
CD-250-F	25.0	10.1	CD250-260-32-..D-..
CD-255-F	25.5	10.1	
CD-260-F	26.0	10.1	

注：F平底钻尖；具有需要锪平的普通钢材盲孔加工，不推荐用于难加工材料直接钻孔

F flat cutting head can be used for drilling blind flat holes of common material holes ,but isn't recommended in drilling difficult-to-machine materials

CD. . . C 定心刀头 Centering Cutting Drilling Head

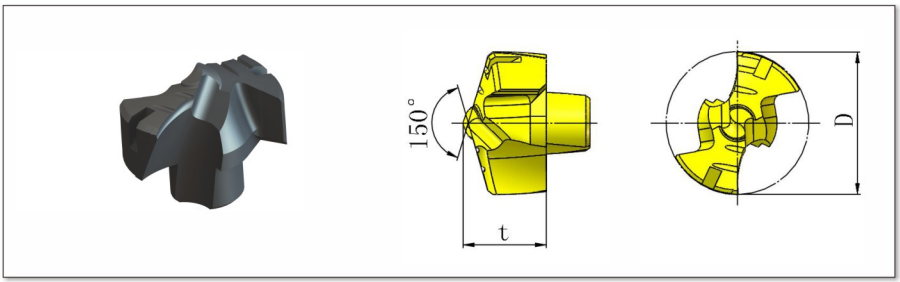


订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-080-C	8.0	5.4	CD080-089-12-..D-..
CD-085-C	8.5	5.4	
CD-090-C	9.0	5.8	CD090-099-12-..D-..
CD-095-C	9.5	5.8	
CD-100-C	10.0	6.2	CD100-109-16-..D-..
CD-105-C	10.5	6.2	
CD-110-C	11.0	6.6	CD110-119-16-..D-..
CD-115-C	11.5	6.6	
CD-120-C	12.0	7.0	CD120-129-16-..D-..
CD-125-C	12.5	7.0	
CD-130-C	13.0	7.6	CD130-139-16-..D-..
CD-135-C	13.5	7.6	
CD-140-C	14.0	8.2	CD140-149-16-..D-..
CD-145-C	14.5	8.2	
CD-150-C	15.0	8.7	CD150-159-20-..D-..
CD-155-C	15.5	8.7	
CD-160-C	16.0	9.3	CD160-169-20-..D-..
CD-165-C	16.5	9.3	
CD-170-C	17.0	9.9	CD170-179-20-..D-..
CD-175-C	17.5	9.9	
CD-180-C	18.0	10.5	CD180-189-25-..D-..
CD-185-C	18.5	10.5	
CD-190-C	19.0	11.0	CD190-199-25-..D-..
CD-195-C	19.5	11.0	
CD-200-C	20.0	11.6	CD200-209-25-..D-..
CD-205-C	20.5	11.6	
CD-210-C	21.0	12.2	CD210-219-25-..D-..
CD-215-C	21.5	12.2	
CD-220-C	22.0	12.8	CD220-229-25-..D-..
CD-225-C	22.5	12.8	
CD-230-C	23.0	13.3	CD230-239-32-..D-..
CD-235-C	23.5	13.3	
CD-240-C	24.0	13.9	CD240-249-32-..D-..
CD-245-C	24.5	13.9	
CD-250-C	25.0	14.5	CD250-260-32-..D-..
CD-255-C	25.5	14.5	
CD-260-C	26.0	14.5	

注：C定心钻尖；具有良好的定心功能的定心钻尖，适用于普通钢材的直接钻孔，不推荐用于难加工材料的钻孔

C self- centering cutting head can be used with excellent centering performance in drilling common metal materials ,but isn't recommended for drilling difficult-to-machine materials

CD. . . RB 特种钻尖RB型 Special Drilling Head RB



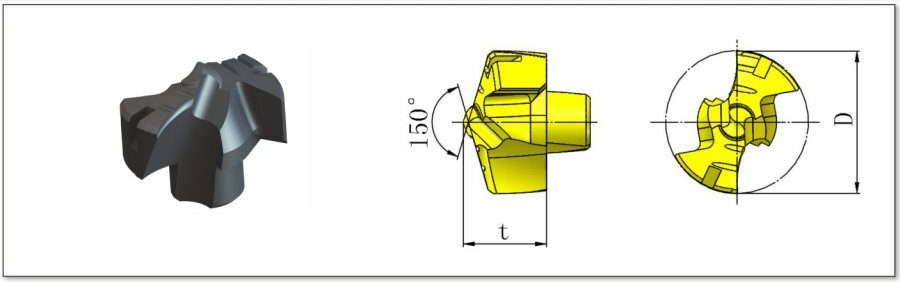
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-080-RB	8.0	5.4	CD080/089-12-..D-..
CD-081-RB	8.1	5.4	
CD-082-RB	8.2	5.4	
CD-083-RB	8.3	5.4	
CD-084-RB	8.4	5.4	
CD-085-RB	8.5	5.4	
CD-086-RB	8.6	5.4	
CD-087-RB	8.7	5.4	
CD-088-RB	8.8	5.4	
CD-089-RB	8.9	5.4	
CD-090-RB	9.0	5.8	CD090/099-12-..D-..
CD-091-RB	9.1	5.8	
CD-092-RB	9.2	5.8	
CD-093-RB	9.3	5.8	
CD-094-RB	9.4	5.8	
CD-095-RB	9.5	5.8	
CD-096-RB	9.6	5.8	
CD-097-RB	9.7	5.8	
CD-098-RB	9.8	5.8	
CD-099-RB	9.9	5.8	
CD-100-RB	10.0	6.2	CD100/109-16-..D-..
CD-101-RB	10.1	6.2	
CD-102-RB	10.2	6.2	
CD-103-RB	10.3	6.2	
CD-104-RB	10.4	6.2	
CD-105-RB	10.5	6.2	
CD-106-RB	10.6	6.2	
CD-107-RB	10.7	6.2	
CD-108-RB	10.8	6.2	
CD-109-RB	10.9	6.2	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-110-RB	11.0	6.6	CD110/119-16-..D-..
CD-111-RB	11.1	6.6	
CD-112-RB	11.2	6.6	
CD-113-RB	11.3	6.6	
CD-114-RB	11.4	6.6	
CD-115-RB	11.5	6.6	
CD-116-RB	11.6	6.6	
CD-117-RB	11.7	6.6	
CD-118-RB	11.8	6.6	
CD-119-RB	11.9	6.6	
CD-120-RB	12.0	7.0	CD120/129-16-..D-..
CD-121-RB	12.1	7.0	
CD-122-RB	12.2	7.0	
CD-123-RB	12.3	7.0	
CD-124-RB	12.4	7.0	
CD-125-RB	12.5	7.0	
CD-126-RB	12.6	7.0	
CD-127-RB	12.7	7.0	
CD-128-RB	12.8	7.0	
CD-129-RB	12.9	7.0	
CD-130-RB	13.0	7.6	CD130/139-16-..D-..
CD-131-RB	13.1	7.6	
CD-132-RB	13.2	7.6	
CD-133-RB	13.3	7.6	
CD-134-RB	13.4	7.6	
CD-135-RB	13.5	7.6	
CD-136-RB	13.6	7.6	
CD-137-RB	13.7	7.6	
CD-138-RB	13.8	7.6	
CD-139-RB	13.9	7.6	

注：RB钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

CD. . . RB 特种钻尖RB型 Special Drilling Head RB



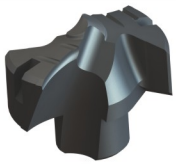
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-140-RB	14.0	8.1	CD140/149-16-..D-..
CD-141-RB	14.1	8.1	
CD-142-RB	14.2	8.1	
CD-143-RB	14.3	8.1	
CD-144-RB	14.4	8.1	
CD-145-RB	14.5	8.1	
CD-146-RB	14.6	8.1	
CD-147-RB	14.7	8.1	
CD-148-RB	14.8	8.1	
CD-149-RB	14.9	8.1	
CD-150-RB	15.0	8.7	CD150/159-20-..D-..
CD-151-RB	15.1	8.7	
CD-152-RB	15.2	8.7	
CD-153-RB	15.3	8.7	
CD-154-RB	15.4	8.7	
CD-155-RB	15.5	8.7	
CD-156-RB	15.6	8.7	
CD-157-RB	15.7	8.7	
CD-158-RB	15.8	8.7	
CD-159-RB	15.9	8.7	
CD-160-RB	16.0	9.3	CD160169-20-..D-..
CD-161-RB	16.1	9.3	
CD-162-RB	16.2	9.3	
CD-163-RB	16.3	9.3	
CD-164-RB	16.4	9.3	
CD-165-RB	16.5	9.3	
CD-166-RB	16.6	9.3	
CD-167-RB	16.7	9.3	
CD-168-RB	16.8	9.3	
CD-169-RB	16.9	9.3	

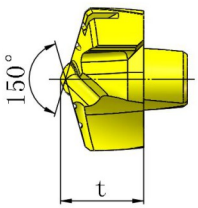
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-170-RB	17.0	9.9	CD170/179-20-..D-..
CD-171-RB	17.1	9.9	
CD-172-RB	17.2	9.9	
CD-173-RB	17.3	9.9	
CD-174-RB	17.4	9.9	
CD-175-RB	17.5	9.9	
CD-176-RB	17.6	9.9	
CD-177-RB	17.7	9.9	
CD-178-RB	17.8	9.9	
CD-179-RB	17.9	9.9	
CD-180-RB	18.0	10.5	CD180/189-25-..D-..
CD-181-RB	18.1	10.5	
CD-182-RB	18.2	10.5	
CD-183-RB	18.3	10.5	
CD-184-RB	18.4	10.5	
CD-185-RB	18.5	10.5	
CD-186-RB	18.6	10.5	
CD-187-RB	18.7	10.5	
CD-188-RB	18.8	10.5	
CD-189-RB	18.9	10.5	
CD-190-RB	19.0	11.0	CD190/199-25-..D-..
CD-191-RB	19.1	11.0	
CD-192-RB	19.2	11.0	
CD-193-RB	19.3	11.0	
CD-194-RB	19.4	11.0	
CD-195-RB	19.5	11.0	
CD-196-RB	19.6	11.0	
CD-197-RB	19.7	11.0	
CD-198-RB	19.8	11.0	
CD-199-RB	19.9	11.0	

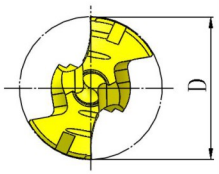
注：RB钻尖具有定心功能，轴向钻削力较小，适用于不锈钢、钛合金、镍基合金、锰钢等、以及较软不易断屑的材料钻孔

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

CD. . . RB 特种钻尖RB型 Special Drilling Head RB







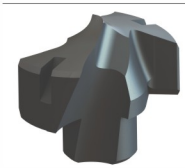
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-200-RB	20.0	11.6	CD200/209-25-..D-..
CD-201-RB	20.1	11.6	
CD-202-RB	20.2	11.6	
CD-203-RB	20.3	11.6	
CD-204-RB	20.4	11.6	
CD-205-RB	20.5	11.6	
CD-206-RB	20.6	11.6	
CD-207-RB	20.7	11.6	
CD-208-RB	20.8	11.6	
CD-209-RB	20.9	11.6	
CD-210-RB	21.0	12.1	CD210/219-25-..D-..
CD-211-RB	21.1	12.1	
CD-212-RB	21.2	12.1	
CD-213-RB	21.3	12.1	
CD-214-RB	21.4	12.1	
CD-215-RB	21.5	12.1	
CD-216-RB	21.6	12.1	
CD-217-RB	21.7	12.1	
CD-218-RB	21.8	12.1	
CD-219-RB	21.9	12.1	
CD-220-RB	22.0	12.7	CD220/229-25-..D-..
CD-221-RB	22.1	12.7	
CD-222-RB	22.2	12.7	
CD-223-RB	22.3	12.7	
CD-224-RB	22.4	12.7	
CD-225-RB	22.5	12.7	
CD-226-RB	22.6	12.7	
CD-227-RB	22.7	12.7	
CD-228-RB	22.8	12.7	
CD-229-RB	22.9	12.7	

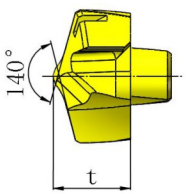
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-230-RB	23.0	13.3	CD230/239-32-..D-..
CD-231-RB	23.1	13.3	
CD-232-RB	23.2	13.3	
CD-233-RB	23.3	13.3	
CD-234-RB	23.4	13.3	
CD-235-RB	23.5	13.3	
CD-236-RB	23.6	13.3	
CD-237-RB	23.7	13.3	
CD-238-RB	23.8	13.3	
CD-239-RB	23.9	13.3	
CD-240-RB	24.0	13.9	CD240/249-32-..D-..
CD-241-RB	24.1	13.9	
CD-242-RB	24.2	13.9	
CD-243-RB	24.3	13.9	
CD-244-RB	24.4	13.9	
CD-245-RB	24.5	13.9	
CD-246-RB	24.6	13.9	
CD-247-RB	24.7	13.9	
CD-248-RB	24.8	13.9	
CD-249-RB	24.9	13.9	
CD-250-RB	25.0	14.5	CD250/260-32-..D-..
CD-251-RB	25.1	14.5	
CD-252-RB	25.2	14.5	
CD-253-RB	25.3	14.5	
CD-254-RB	25.4	14.5	
CD-255-RB	25.5	14.5	
CD-256-RB	25.6	14.5	
CD-257-RB	25.7	14.5	
CD-258-RB	25.8	14.5	
CD-259-RB	25.9	14.5	
CD-260-RB	26.0	14.5	

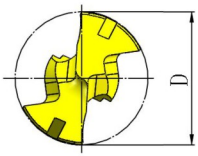
注：RB钻尖具有定心、分屑和卷屑功能，适用于锰钢、低碳钢等、以及较软不易断屑的材料钻孔，尤其是对大直径切屑较宽的钻孔，排屑效果尤为明显。

RB Cuting head can drill with self-centering and less drill force , it can be used for stainless steel ,titanium , nickelbase alloys, Mn steel etc.and other materials not to be broken easily .

CD. . . ST 通用型钻尖ST型 Universal Drilling Head ST







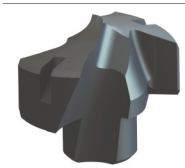
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-080-ST	8.0	5.4	CD080/089-12-..D-CST
CD-081-ST	8.1	5.4	
CD-082-ST	8.2	5.4	
CD-083-ST	8.3	5.4	
CD-084-ST	8.4	5.4	
CD-085-ST	8.5	5.4	
CD-086-ST	8.6	5.4	
CD-087-ST	8.7	5.4	
CD-088-ST	8.8	5.4	
CD-089-ST	8.9	5.4	
CD-090-ST	9.0	5.8	CD090/099-12-..D-CST
CD-091-ST	9.1	5.8	
CD-092-ST	9.2	5.8	
CD-093-ST	9.3	5.8	
CD-094-ST	9.4	5.8	
CD-095-ST	9.5	5.8	
CD-096-ST	9.6	5.8	
CD-097-ST	9.7	5.8	
CD-098-ST	9.8	5.8	
CD-099-ST	9.9	5.8	
CD-100-ST	10.0	6.2	CD100/109-16-..D-CST
CD-101-ST	10.1	6.2	
CD-102-ST	10.2	6.2	
CD-103-ST	10.3	6.2	
CD-104-ST	10.4	6.2	
CD-105-ST	10.5	6.2	
CD-106-ST	10.6	6.2	
CD-107-ST	10.7	6.2	
CD-108-ST	10.8	6.2	
CD-109-ST	10.9	6.2	

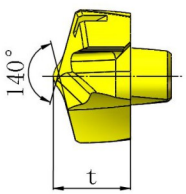
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-110-ST	11.0	6.6	CD110/119-16-..D-CST
CD-111-ST	11.1	6.6	
CD-112-ST	11.2	6.6	
CD-113-ST	11.3	6.6	
CD-114-ST	11.4	6.6	
CD-115-ST	11.5	6.6	
CD-116-ST	11.6	6.6	
CD-117-ST	11.7	6.6	
CD-118-ST	11.8	6.6	
CD-119-ST	11.9	6.6	
CD-120-ST	12.0	7.0	CD120/129-16-..D-CST
CD-121-ST	12.1	7.0	
CD-122-ST	12.2	7.0	
CD-123-ST	12.3	7.0	
CD-124-ST	12.4	7.0	
CD-125-ST	12.5	7.0	
CD-126-ST	12.6	7.0	
CD-127-ST	12.7	7.0	
CD-128-ST	12.8	7.0	
CD-129-ST	12.9	7.0	
CD-130-ST	13.0	7.6	CD130/139-16-..D-CST
CD-131-ST	13.1	7.6	
CD-132-ST	13.2	7.6	
CD-133-ST	13.3	7.6	
CD-134-ST	13.4	7.6	
CD-135-ST	13.5	7.6	
CD-136-ST	13.6	7.6	
CD-137-ST	13.7	7.6	
CD-138-ST	13.8	7.6	
CD-139-ST	13.9	7.6	

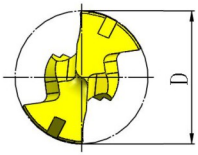
注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆CD. . -. . D-CST配套使用。

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CD. . . ST 通用型钻尖ST型 Universal Drilling Head ST







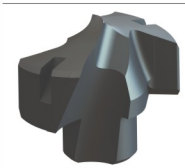
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-140-ST	14.0	8.1	CD140/149-16-..D-CST
CD-141-ST	14.1	8.1	
CD-142-ST	14.2	8.1	
CD-143-ST	14.3	8.1	
CD-144-ST	14.4	8.1	
CD-145-ST	14.5	8.1	
CD-146-ST	14.6	8.1	
CD-147-ST	14.7	8.1	
CD-148-ST	14.8	8.1	
CD-149-ST	14.9	8.1	
CD-150-ST	15.0	8.7	CD150/159-20-..D-CST
CD-151-ST	15.1	8.7	
CD-152-ST	15.2	8.7	
CD-153-ST	15.3	8.7	
CD-154-ST	15.4	8.7	
CD-155-ST	15.5	8.7	
CD-156-ST	15.6	8.7	
CD-157-ST	15.7	8.7	
CD-158-ST	15.8	8.7	
CD-159-ST	15.9	8.7	
CD-160-ST	16.0	9.3	CD160169-20-..D-CST
CD-161-ST	16.1	9.3	
CD-162-ST	16.2	9.3	
CD-163-ST	16.3	9.3	
CD-164-ST	16.4	9.3	
CD-165-ST	16.5	9.3	
CD-166-ST	16.6	9.3	
CD-167-ST	16.7	9.3	
CD-168-ST	16.8	9.3	
CD-169-ST	16.9	9.3	

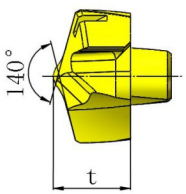
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-170-ST	17.0	9.9	CD170/179-20-..D-CST
CD-171-ST	17.1	9.9	
CD-172-ST	17.2	9.9	
CD-173-ST	17.3	9.9	
CD-174-ST	17.4	9.9	
CD-175-ST	17.5	9.9	
CD-176-ST	17.6	9.9	
CD-177-ST	17.7	9.9	
CD-178-ST	17.8	9.9	
CD-179-ST	17.9	9.9	
CD-180-ST	18.0	10.5	CD180/189-25-..D-CST
CD-181-ST	18.1	10.5	
CD-182-ST	18.2	10.5	
CD-183-ST	18.3	10.5	
CD-184-ST	18.4	10.5	
CD-185-ST	18.5	10.5	
CD-186-ST	18.6	10.5	
CD-187-ST	18.7	10.5	
CD-188-ST	18.8	10.5	
CD-189-ST	18.9	10.5	
CD-190-ST	19.0	11.0	CD190/199-25-..D-CST
CD-191-ST	19.1	11.0	
CD-192-ST	19.2	11.0	
CD-193-ST	19.3	11.0	
CD-194-ST	19.4	11.0	
CD-195-ST	19.5	11.0	
CD-196-ST	19.6	11.0	
CD-197-ST	19.7	11.0	
CD-198-ST	19.8	11.0	
CD-199-ST	19.9	11.0	

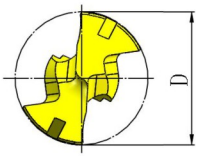
注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆CD. . -. . D-CST配套使用。

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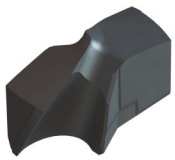
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-200-ST	20.0	11.6	CD200/209-25-..D-CST
CD-201-ST	20.1	11.6	
CD-202-ST	20.2	11.6	
CD-203-ST	20.3	11.6	
CD-204-ST	20.4	11.6	
CD-205-ST	20.5	11.6	
CD-206-ST	20.6	11.6	
CD-207-ST	20.7	11.6	
CD-208-ST	20.8	11.6	
CD-209-ST	20.9	11.6	
CD-210-ST	21.0	12.1	CD210/219-25-..D-CST
CD-211-ST	21.1	12.1	
CD-212-ST	21.2	12.1	
CD-213-ST	21.3	12.1	
CD-214-ST	21.4	12.1	
CD-215-ST	21.5	12.1	
CD-216-ST	21.6	12.1	
CD-217-ST	21.7	12.1	
CD-218-ST	21.8	12.1	
CD-219-ST	21.9	12.1	
CD-220-ST	22.0	12.7	CD220/229-25-..D-CST
CD-221-ST	22.1	12.7	
CD-222-ST	22.2	12.7	
CD-223-ST	22.3	12.7	
CD-224-ST	22.4	12.7	
CD-225-ST	22.5	12.7	
CD-226-ST	22.6	12.7	
CD-227-ST	22.7	12.7	
CD-228-ST	22.8	12.7	
CD-229-ST	22.9	12.7	

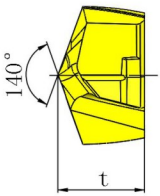
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
CD-230-ST	23.0	13.3	CD230/239-32-..D-CST
CD-231-ST	23.1	13.3	
CD-232-ST	23.2	13.3	
CD-233-ST	23.3	13.3	
CD-234-ST	23.4	13.3	
CD-235-ST	23.5	13.3	
CD-236-ST	23.6	13.3	
CD-237-ST	23.7	13.3	
CD-238-ST	23.8	13.3	
CD-239-ST	23.9	13.3	
CD-240-ST	24.0	13.9	CD240/249-32-..D-CST
CD-241-ST	24.1	13.9	
CD-242-ST	24.2	13.9	
CD-243-ST	24.3	13.9	
CD-244-ST	24.4	13.9	
CD-245-ST	24.5	13.9	
CD-246-ST	24.6	13.9	
CD-247-ST	24.7	13.9	
CD-248-ST	24.8	13.9	
CD-249-ST	24.9	13.9	
CD-250-ST	25.0	14.5	CD250/260-32-..D-CST
CD-251-ST	25.1	14.5	
CD-252-ST	25.2	14.5	
CD-253-ST	25.3	14.5	
CD-254-ST	25.4	14.5	
CD-255-ST	25.5	14.5	
CD-256-ST	25.6	14.5	
CD-257-ST	25.7	14.5	
CD-258-ST	25.8	14.5	
CD-259-ST	25.9	14.5	
CD-260-ST	26.0	14.5	

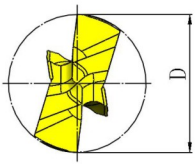
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GD. . . ST 通用型钻尖ST型 Universal Drilling Head ST







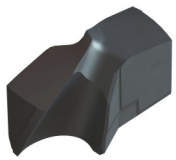
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
GD-120-ST	12.0	9.8	GD120/129-16-..D-CA
GD-121-ST	12.1	9.8	
GD-122-ST	12.2	9.8	
GD-123-ST	12.3	9.8	
GD-124-ST	12.4	9.8	
GD-125-ST	12.5	9.8	
GD-126-ST	12.6	9.8	
GD-127-ST	12.7	9.8	
GD-128-ST	12.8	9.8	
GD-129-ST	12.9	9.8	
GD-130-ST	13.0	9.8	GD130/139-16-..D-CA
GD-131-ST	13.1	9.8	
GD-132-ST	13.2	9.8	
GD-133-ST	13.3	9.8	
GD-134-ST	13.4	9.8	
GD-135-ST	13.5	9.8	
GD-136-ST	13.6	9.8	
GD-137-ST	13.7	9.8	
GD-138-ST	13.8	9.8	
GD-139-ST	13.9	9.8	
GD-140-ST	14.0	10.3	GD140/149-16-..D-CA
GD-141-ST	14.1	10.3	
GD-142-ST	14.2	10.3	
GD-143-ST	14.3	10.3	
GD-144-ST	14.4	10.3	
GD-145-ST	14.5	10.3	
GD-146-ST	14.6	10.3	
GD-147-ST	14.7	10.3	
GD-148-ST	14.8	10.3	
GD-149-ST	14.9	10.3	
GD-150-ST	15.0	10.3	GD150/159-20-..D-CA
GD-151-ST	15.1	10.3	
GD-152-ST	15.2	10.3	
GD-153-ST	15.3	10.3	
GD-154-ST	15.4	10.3	
GD-155-ST	15.5	10.3	
GD-156-ST	15.6	10.3	
GD-157-ST	15.7	10.3	
GD-158-ST	15.8	10.3	
GD-159-ST	15.9	10.3	

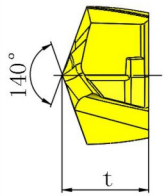
订货号 Order No.	尺寸 Dimensions(mm) D	t	刀体 tool holders
GD-160-ST	16.0	11.3	GD160169-20-..D-CA
GD-161-ST	16.1	11.3	
GD-162-ST	16.2	11.3	
GD-163-ST	16.3	11.3	
GD-164-ST	16.4	11.3	
GD-165-ST	16.5	11.3	
GD-166-ST	16.6	11.3	
GD-167-ST	16.7	11.3	
GD-168-ST	16.8	11.3	
GD-169-ST	16.9	11.3	
GD-170-ST	17.0	11.3	GD170/179-20-..D-CA
GD-171-ST	17.1	11.3	
GD-172-ST	17.2	11.3	
GD-173-ST	17.3	11.3	
GD-174-ST	17.4	11.3	
GD-175-ST	17.5	11.3	
GD-176-ST	17.6	11.3	
GD-177-ST	17.7	11.3	
GD-178-ST	17.8	11.3	
GD-179-ST	17.9	11.3	
GD-180-ST	18.0	12.5	GD180/189-25-..D-CA
GD-181-ST	18.1	12.5	
GD-182-ST	18.2	12.5	
GD-183-ST	18.3	12.5	
GD-184-ST	18.4	12.5	
GD-185-ST	18.5	12.5	
GD-186-ST	18.6	12.5	
GD-187-ST	18.7	12.5	
GD-188-ST	18.8	12.5	
GD-189-ST	18.9	12.5	
GD-190-ST	19.0	12.5	GD190/199-25-..D-CA
GD-191-ST	19.1	12.5	
GD-192-ST	19.2	12.5	
GD-193-ST	19.3	12.5	
GD-194-ST	19.4	12.5	
GD-195-ST	19.5	12.5	
GD-196-ST	19.6	12.5	
GD-197-ST	19.7	12.5	
GD-198-ST	19.8	12.5	
GD-199-ST	19.9	12.5	

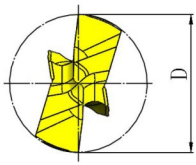
注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆GD. . -. . D-CA配套使用。

ST Cuting head is a universal one ,it can be used for drilling stainless steel , carbon steel,Mn steel,alloy steel etc.and other materials for chips not to be broken easily .

GD. . . ST 通用型钻尖ST型 Universal Drilling Head ST







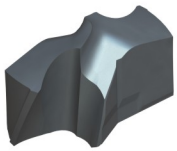
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
GD-200-ST	20.0	13.3	GD200/209-25-..D-CA
GD-201-ST	20.1	13.3	
GD-202-ST	20.2	13.3	
GD-203-ST	20.3	13.3	
GD-204-ST	20.4	13.3	
GD-205-ST	20.5	13.3	
GD-206-ST	20.6	13.3	
GD-207-ST	20.7	13.3	
GD-208-ST	20.8	13.3	
GD-209-ST	20.9	13.3	
GD-210-ST	21.0	13.3	GD210/219-25-..D-CA
GD-211-ST	21.1	13.3	
GD-212-ST	21.2	13.3	
GD-213-ST	21.3	13.3	
GD-214-ST	21.4	13.3	
GD-215-ST	21.5	13.3	
GD-216-ST	21.6	13.3	
GD-217-ST	21.7	13.3	
GD-218-ST	21.8	13.3	
GD-219-ST	21.9	13.3	
GD-220-ST	22.0	14.3	GD220/229-25-..D-CA
GD-221-ST	22.1	14.3	
GD-222-ST	22.2	14.3	
GD-223-ST	22.3	14.3	
GD-224-ST	22.4	14.3	
GD-225-ST	22.5	14.3	
GD-226-ST	22.6	14.3	
GD-227-ST	22.7	14.3	
GD-228-ST	22.8	14.3	
GD-229-ST	22.9	14.3	

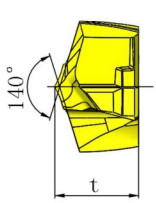
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
GD-230-ST	23.0	14.3	GD230/239-32-..D-CA
GD-231-ST	23.1	14.3	
GD-232-ST	23.2	14.3	
GD-233-ST	23.3	14.3	
GD-234-ST	23.4	14.3	
GD-235-ST	23.5	14.3	
GD-236-ST	23.6	14.3	
GD-237-ST	23.7	14.3	
GD-238-ST	23.8	14.3	
GD-239-ST	23.9	14.3	
GD-240-ST	24.0	15.3	GD240/249-32-..D-CA
GD-241-ST	24.1	15.3	
GD-242-ST	24.2	15.3	
GD-243-ST	24.3	15.3	
GD-244-ST	24.4	15.3	
GD-245-ST	24.5	15.3	
GD-246-ST	24.6	15.3	
GD-247-ST	24.7	15.3	
GD-248-ST	24.8	15.3	
GD-249-ST	24.9	15.3	
GD-250-ST	25.0	15.3	GD250/260-32-..D-CA
GD-251-ST	25.1	15.3	
GD-252-ST	25.2	15.3	
GD-253-ST	25.3	15.3	
GD-254-ST	25.4	15.3	
GD-255-ST	25.5	15.3	
GD-256-ST	25.6	15.3	
GD-257-ST	25.7	15.3	
GD-258-ST	25.8	15.3	
GD-259-ST	25.9	15.3	
GD-260-ST	26.0	15.3	

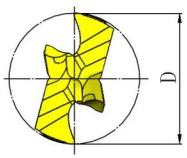
注：ST钻尖是通用型钻尖，对碳钢、含金钢、锰钢、不锈钢具有良好的钻削性能，与钻杆GD. . -. . D-CA配套使用。

ST Cuting head is a universal one ,it can be used for drilling stainless steel , carbon steel,Mn steel,alloy steel etc.and other materials for chips not to be broken easily .

GD. . . CT 通用型钻尖CT型 Universal Drilling Head CT







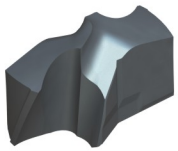
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
GD-120-CT	12.0	9.8	GD120/129-16-..D-CA
GD-121-CT	12.1	9.8	
GD-122-CT	12.2	9.8	
GD-123-CT	12.3	9.8	
GD-124-CT	12.4	9.8	
GD-125-CT	12.5	9.8	
GD-126-CT	12.6	9.8	
GD-127-CT	12.7	9.8	
GD-128-CT	12.8	9.8	
GD-129-CT	12.9	9.8	
GD-130-CT	13.0	9.8	GD130/139-16-..D-CA
GD-131-CT	13.1	9.8	
GD-132-CT	13.2	9.8	
GD-133-CT	13.3	9.8	
GD-134-CT	13.4	9.8	
GD-135-CT	13.5	9.8	
GD-136-CT	13.6	9.8	
GD-137-CT	13.7	9.8	
GD-138-CT	13.8	9.8	
GD-139-ST	13.9	9.8	
GD-140-CT	14.0	10.3	GD140/149-16-..D-CA
GD-141-CT	14.1	10.3	
GD-142-CT	14.2	10.3	
GD-143-CT	14.3	10.3	
GD-144-CT	14.4	10.3	
GD-145-CT	14.5	10.3	
GD-146-CT	14.6	10.3	
GD-147-CT	14.7	10.3	
GD-148-CT	14.8	10.3	
GD-149-CT	14.9	10.3	
GD-150-CT	15.0	10.3	GD150/159-20-..D-CA
GD-151-CT	15.1	10.3	
GD-152-ST	15.2	10.3	
GD-153-CT	15.3	10.3	
GD-154-CT	15.4	10.3	
GD-155-CT	15.5	10.3	
GD-156-CT	15.6	10.3	
GD-157-CT	15.7	10.3	
GD-158-CT	15.8	10.3	
GD-159-CT	15.9	10.3	

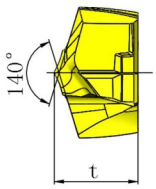
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
GD-160-ST	16.0	11.3	GD160169-20-..D-CA
GD-161-CT	16.1	11.3	
GD-162-CT	16.2	11.3	
GD-163-CT	16.3	11.3	
GD-164-CT	16.4	11.3	
GD-165-CT	16.5	11.3	
GD-166-CT	16.6	11.3	
GD-167-CT	16.7	11.3	
GD-168-CT	16.8	11.3	
GD-169-CT	16.9	11.3	
GD-170-CT	17.0	11.3	GD170/179-20-..D-CA
GD-171-CT	17.1	11.3	
GD-172-CT	17.2	11.3	
GD-173-CT	17.3	11.3	
GD-174-CT	17.4	11.3	
GD-175-CT	17.5	11.3	
GD-176-CT	17.6	11.3	
GD-177-CT	17.7	11.3	
GD-178-CT	17.8	11.3	
GD-179-CT	17.9	11.3	
GD-180-CT	18.0	12.5	GD180/189-25-..D-CA
GD-181-CT	18.1	12.5	
GD-182-CT	18.2	12.5	
GD-183-CT	18.3	12.5	
GD-184-CT	18.4	12.5	
GD-185-CT	18.5	12.5	
GD-186-CT	18.6	12.5	
GD-187-CT	18.7	12.5	
GD-188-CT	18.8	12.5	
GD-189-CT	18.9	12.5	
GD-190-CT	19.0	12.5	GD190/199-25-..D-CA
GD-191-CT	19.1	12.5	
GD-192-CT	19.2	12.5	
GD-193-CT	19.3	12.5	
GD-194-CT	19.4	12.5	
GD-195-CT	19.5	12.5	
GD-196-CT	19.6	12.5	
GD-197-CT	19.7	12.5	
GD-198-CT	19.8	12.5	
GD-199-CT	19.9	12.5	

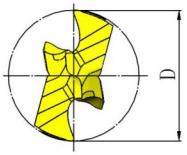
注：CT钻尖是特种钻尖，对不锈钢和不易断屑的其他软材料具有良好的钻削性能，与钻杆GD. . -. . D-CA配套使用。

CT Cutting head is a special one ,it can be used for drilling stainless steel and others materials for chips not to be broken easily .

GD. . . CT 通用型钻尖CT型 Universal Drilling Head CT







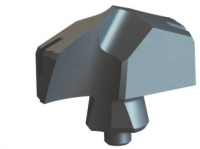
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
GD-200-CT	20.0	13.3	GD200/209-25-..D-CA
GD-201-CT	20.1	13.3	
GD-202-CT	20.2	13.3	
GD-203-CT	20.3	13.3	
GD-204-CT	20.4	13.3	
GD-205-CT	20.5	13.3	
GD-206-CT	20.6	13.3	
GD-207-CT	20.7	13.3	
GD-208-CT	20.8	13.3	
GD-209-CT	20.9	13.3	
GD-210-CT	21.0	13.3	GD210/219-25-..D-CA
GD-211-CT	21.1	13.3	
GD-212-CT	21.2	13.3	
GD-213-CT	21.3	13.3	
GD-214-CT	21.4	13.3	
GD-215-CT	21.5	13.3	
GD-216-CT	21.6	13.3	
GD-217-CT	21.7	13.3	
GD-218-CT	21.8	13.3	
GD-219-CT	21.9	13.3	
GD-220-CT	22.0	14.3	GD220/229-25-..D-CA
GD-221-CT	22.1	14.3	
GD-222-CT	22.2	14.3	
GD-223-CT	22.3	14.3	
GD-224-CT	22.4	14.3	
GD-225-CT	22.5	14.3	
GD-226-CT	22.6	14.3	
GD-227-CT	22.7	14.3	
GD-228-CT	22.8	14.3	
GD-229-CT	22.9	14.3	

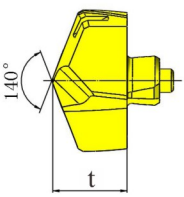
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
GD-230-CT	23.0	14.3	GD230/239-32-..D-CA
GD-231-CT	23.1	14.3	
GD-232-CT	23.2	14.3	
GD-233-CT	23.3	14.3	
GD-234-CT	23.4	14.3	
GD-235-CT	23.5	14.3	
GD-236-CT	23.6	14.3	
GD-237-CT	23.7	14.3	
GD-238-CT	23.8	14.3	
GD-239-CT	23.9	14.3	
GD-240-CT	24.0	15.3	GD240/249-32-..D-CA
GD-241-CT	24.1	15.3	
GD-242-CT	24.2	15.3	
GD-243-CT	24.3	15.3	
GD-244-CT	24.4	15.3	
GD-245-CT	24.5	15.3	
GD-246-CT	24.6	15.3	
GD-247-CT	24.7	15.3	
GD-248-CT	24.8	15.3	
GD-249-CT	24.9	15.3	
GD-250-CT	25.0	15.3	GD250/260-32-..D-CA
GD-251-CT	25.1	15.3	
GD-252-CT	25.2	15.3	
GD-253-CT	25.3	15.3	
GD-254-CT	25.4	15.3	
GD-255-CT	25.5	15.3	
GD-256-CT	25.6	15.3	
GD-257-CT	25.7	15.3	
GD-258-CT	25.8	15.3	
GD-259-CT	25.9	15.3	
GD-260-CT	26.0	15.3	

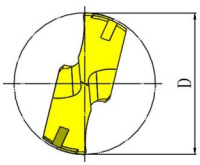
注：CT钻尖是特种钻尖，对不锈钢和不易断屑的其他软材料具有良好的钻削性能，与钻杆GD. . -. . D-CA配套使用。

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LD. . . S1　标准钻尖S1型 Standard Drilling Head S1







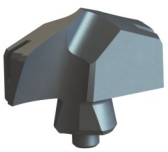
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-280-S1	28.0	16.0	LD280/289-32-..D-..
LD-281-S1	28.1	16.0	
LD-282-S1	28.2	16.0	
LD-283-S1	28.3	16.0	
LD-284-S1	28.4	16.0	
LD-285-S1	28.5	16.0	
LD-286-S1	28.6	16.0	
LD-287-S1	28.7	16.0	
LD-288-S1	28.8	16.0	
LD-289-S1	28.9	16.0	
LD-290-S1	29.0	16.0	LD290/299-32-..D-..
LD-291-S1	29.1	16.0	
LD-292-S1	29.2	16.0	
LD-293-S1	29.3	16.0	
LD-294-S1	29.4	16.0	
LD-295-S1	29.5	16.0	
LD-296-S1	29.6	16.0	
LD-297-S1	29.7	16.0	
LD-298-S1	29.8	16.0	
LD-299-S1	29.9	16.0	
LD-300-S1	30.0	16.0	LD300/309-32-..D-..
LD-301-S1	30.1	16.0	
LD-302-S1	30.2	16.0	
LD-303-S1	30.3	16.0	
LD-304-S1	30.4	16.0	
LD-305-S1	30.5	16.0	
LD-306-S1	30.6	16.0	
LD-307-S1	30.7	16.0	
LD-308-S1	30.8	16.0	
LD-309-S1	30.9	16.0	

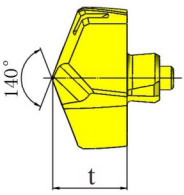
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-310-S1	31.0	6.0	LD310/319-32-..D-..
LD-311-S1	31.1	16.0	
LD-312-S1	31.2	16.0	
LD-313-S1	31.3	16.0	
LD-314-S1	31.4	16.0	
LD-315-S1	31.5	16.0	
LD-316-S1	31.6	16.0	
LD-317-S1	31.7	16.0	
LD-318-S1	31.8	16.0	
LD-319-S1	31.9	16.0	
LD-320-S1	32.0	17.5	LD320/329-32-..D-..
LD-321-S1	32.1	17.5	
LD-322-S1	32.2	17.5	
LD-323-S1	32.3	17.5	
LD-324-S1	32.4	17.5	
LD-325-S1	32.5	17.5	
LD-326-S1	32.6	17.5	
LD-327-S1	32.7	17.5	
LD-328-S1	32.8	17.5	
LD-329-S1	32.9	17.5	
LD-330-S1	33.0	18.0	LD330/339-32-..D-..
LD-331-S1	33.1	18.0	
LD-332-S1	33.2	18.0	
LD-333-S1	33.3	18.0	
LD-334-S1	33.4	18.0	
LD-335-S1	33.5	18.0	
LD-336-S1	33.6	18.0	
LD-337-S1	33.7	18.0	
LD-338-S1	33.8	18.0	
LD-339-S1	33.9	18.0	

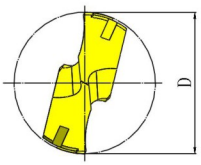
注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）

Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

LD. . . S1 标准钻尖S1型 Standard Drilling Head S1







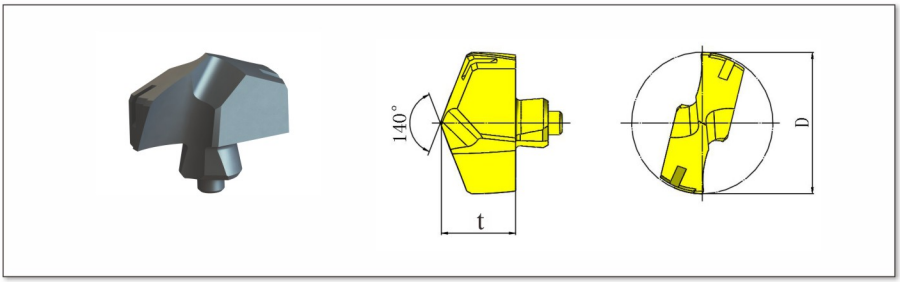
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-340-S1	34.0	18.5	LD340/349-32-..D-..
LD-341-S1	34.1	18.5	
LD-342-S1	34.2	18.5	
LD-343-S1	34.3	18.5	
LD-344-S1	34.4	18.5	
LD-345-S1	34.5	18.5	
LD-346-S1	34.6	18.5	
LD-347-S1	34.7	18.5	
LD-348-S1	34.8	18.5	
LD-349-S1	34.9	18.5	
LD-350-S1	35.0	18.5	LD350/359-32-..D-..
LD-351-S1	35.1	18.5	
LD-352-S1	35.2	18.5	
LD-353-S1	35.3	18.5	
LD-354-S1	35.4	18.5	
LD-355-S1	35.5	18.5	
LD-356-S1	35.6	18.5	
LD-357-S1	35.7	18.5	
LD-358-S1	35.8	18.5	
LD-359-S1	35.9	18.5	
LD-360-S1	36.0	19.5	LD360/369-32-..D-..
LD-361-S1	36.1	19.5	
LD-362-S1	36.2	19.5	
LD-363-S1	36.3	19.5	
LD-364-S1	36.4	19.5	
LD-365-S1	36.5	19.5	
LD-366-S1	36.6	19.5	
LD-367-S1	36.7	19.5	
LD-368-S1	36.8	19.5	
LD-369-S1	36.9	19.5	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-370-S1	37.0	19.5	LD370/379-32-..D-..
LD-371-S1	37.1	19.5	
LD-372-S1	37.2	19.5	
LD-373-S1	37.3	19.5	
LD-374-S1	37.4	19.5	
LD-375-S1	37.5	19.5	
LD-376-S1	37.6	19.5	
LD-377-S1	37.7	19.5	
LD-378-S1	37.8	19.5	
LD-379-S1	37.9	19.5	
LD-380-S1	38.0	20.0	LD380/389-32-..D-..
LD-381-S1	38.1	20.0	
LD-382-S1	38.2	20.0	
LD-383-S1	38.3	20.0	
LD-384-S1	38.4	20.0	
LD-385-S1	38.5	20.0	
LD-386-S1	38.6	20.0	
LD-387-S1	38.7	20.0	
LD-388-S1	38.8	20.0	
LD-389-S1	38.9	20.0	
LD-390-S1	39.0	20.0	LD390/399-32-..D-..
LD-391-S1	39.1	20.0	
LD-392-S1	39.2	20.0	
LD-393-S1	39.3	20.0	
LD-394-S1	39.4	20.0	
LD-395-S1	39.5	20.0	
LD-396-S1	39.6	20.0	
LD-397-S1	39.7	20.0	
LD-398-S1	39.8	20.0	
LD-399-S1	39.9	20.0	

注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）

Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

LD. . . S1　标准钻尖S1型 Standard Drilling Head S1



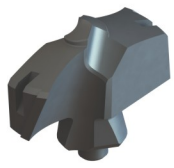
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-400-S1	40.0	21.0	LD400/409-32-..D-..
LD-401-S1	40.1	21.0	
LD-402-S1	40.2	21.0	
LD-403-S1	40.3	21.0	
LD-404-S1	40.4	21.0	
LD-405-S1	40.5	21.0	
LD-406-S1	40.6	21.0	
LD-407-S1	40.7	21.0	
LD-408-S1	40.8	21.0	
LD-409-S1	40.9	21.0	
LD-410-S1	41.0	21.0	LD410/419-32-..D-..
LD-411-S1	41.1	21.0	
LD-412-S1	41.2	21.0	
LD-413-S1	41.3	21.0	
LD-414-S1	41.4	21.0	
LD-415-S1	41.5	21.0	
LD-416-S1	41.6	21.0	
LD-417-S1	41.7	21.0	
LD-418-S1	41.8	21.0	
LD-419-S1	41.9	21.0	
LD-420-S1	42.0	21.0	LD420/429-50-..D-..
LD-421-S1	42.1	21.0	
LD-422-S1	42.2	21.0	
LD-423-S1	42.3	21.0	
LD-424-S1	42.4	21.0	
LD-425-S1	42.5	21.0	
LD-426-S1	42.6	21.0	
LD-427-S1	42.7	21.0	
LD-428-S1	42.8	21.0	
LD-429-S1	42.9	21.0	

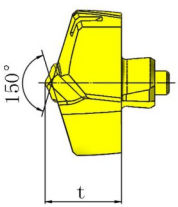
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-430-S1	43.0	22.0	LD430/439-50-..D-..
LD-431-S1	43.1	22.0	
LD-432-S1	43.2	22.0	
LD-433-S1	43.3	22.0	
LD-434-S1	43.4	22.0	
LD-435-S1	43.5	22.0	
LD-436-S1	43.6	22.0	
LD-437-S1	43.7	22.0	
LD-438-S1	43.8	22.0	
LD-439-S1	43.9	22.0	
LD-440-S1	44.0	22.0	LD440/450-50-..D-..
LD-441-S1	441	22.0	
LD-442-S1	44.2	22.0	
LD-443-S1	44.3	22.0	
LD-444-S1	44.4	22.0	
LD-445-S1	44.5	22.0	
LD-446-S1	44.6	22.0	
LD-447-S1	44.7	22.0	
LD-448-S1	44.8	22.0	
LD-449-S1	449	22.0	
LD-450-S1	45.0	22.0	

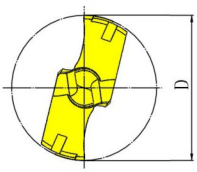
注：S1钻尖适用于中高碳钢、合金钢、球墨铸铁等钻孔（五倍径孔以下推荐使用）

Recommend S1 cutting head to be used for middle and high carbon steel, alloy steel,nodular cast iron(specially for less than 5D)

LD. . . RA 特种钻尖RA型 Special Drilling Head RA







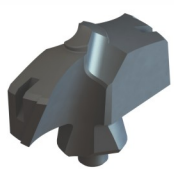
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-280-RA	28.0	16.0	LD280/289-32-..D-..
LD-281-RA	28.1	16.0	
LD-282-RA	28.2	16.0	
LD-283-RA	28.3	16.0	
LD-284-RA	28.4	16.0	
LD-285-RA	28.5	16.0	
LD-286-RA	28.6	16.0	
LD-287-RA	28.7	16.0	
LD-288-RA	28.8	16.0	
LD-289-RA	28.9	16.0	
LD-290-RA	29.0	16.0	LD290/299-32-..D-..
LD-291-RA	29.1	16.0	
LD-292-RA	29.2	16.0	
LD-293-RA	29.3	16.0	
LD-294-RA	29.4	16.0	
LD-295-RA	29.5	16.0	
LD-296-RA	29.6	16.0	
LD-297-RA	29.7	16.0	
LD-298-RA	29.8	16.0	
LD-299-RA	29.9	16.0	
LD-300-RA	30.0	16.0	LD300/309-32-..D-..
LD-301-RA	30.1	16.0	
LD-302-RA	30.2	16.0	
LD-303-RA	30.3	16.0	
LD-304-RA	30.4	16.0	
LD-305-RA	30.5	16.0	
LD-306-RA	30.6	16.0	
LD-307-RA	30.7	16.0	
LD-308-RA	30.8	16.0	
LD-309-RA	30.9	16.0	

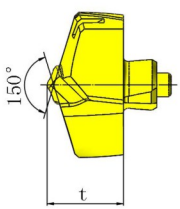
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-310-RA	31.0	16.0	LD310/319-32-..D-..
LD-311-RA	31.1	16.0	
LD-312-RA	31.2	16.0	
LD-313-RA	31.3	16.0	
LD-314-RA	31.4	16.0	
LD-315-RA	31.5	16.0	
LD-316-RA	31.6	16.0	
LD-317-RA	31.7	16.0	
LD-318-RA	31.8	16.0	
LD-319-RA	31.9	16.0	
LD-320-RA	32.0	17.5	LD320/329-32-..D-..
LD-321-RA	32.1	17.5	
LD-322-RA	32.2	17.5	
LD-323-RA	32.3	17.5	
LD-324-RA	32.4	17.5	
LD-325-RA	32.5	17.5	
LD-326-RA	32.6	17.5	
LD-327-RA	32.7	17.5	
LD-328-RA	32.8	17.5	
LD-329-RA	32.9	17.5	
LD-330-RA	33.0	18.0	LD330/339-32-..D-..
LD-331-RA	33.1	18.0	
LD-332-RA	33.2	18.0	
LD-333-RA	33.3	18.0	
LD-334-RA	33.4	18.0	
LD-335-RA	33.5	18.0	
LD-336-RA	33.6	18.0	
LD-337-RA	33.7	18.0	
LD-338-RA	33.8	18.0	
LD-339-RA	33.9	18.0	

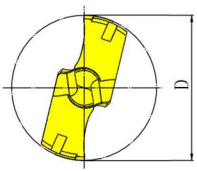
注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

LD. . . RA 特种钻尖RA型 Special Drilling Head RA







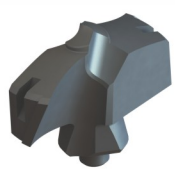
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-340-RA	34.0	18.5	LD340/349-32-..D-..
LD-341-RA	34.1	18.5	
LD-342-RA	34.2	18.5	
LD-343-RA	34.3	18.5	
LD-344-RA	34.4	18.5	
LD-345-RA	34.5	18.5	
LD-346-RA	34.6	18.5	
LD-347-RA	34.7	18.5	
LD-348-RA	34.8	18.5	
LD-349-RA	34.9	18.5	
LD-350-RA	35.0	18.5	LD350/359-32-..D-..
LD-351-RA	35.1	18.5	
LD-352-RA	35.2	18.5	
LD-353-RA	35.3	18.5	
LD-354-RA	35.4	18.5	
LD-355-RA	35.5	18.5	
LD-356-RA	35.6	18.5	
LD-357-RA	35.7	18.5	
LD-358-RA	35.8	18.5	
LD-359-RA	35.9	18.5	
LD-360-RA	36.0	19.5	LD360/369-32-..D-..
LD-361-RA	36.1	19.5	
LD-362-RA	36.2	19.5	
LD-363-RA	36.3	19.5	
LD-364-RA	36.4	19.5	
LD-365-RA	36.5	19.5	
LD-366-RA	36.6	19.5	
LD-367-RA	36.7	19.5	
LD-368-RA	36.8	19.5	
LD-369-RA	36.9	19.5	

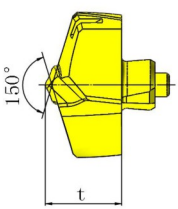
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-370-RA	37.0	19.5	LD370/379-32-..D-..
LD-371-RA	37.1	19.5	
LD-372-RA	37.2	19.5	
LD-373-RA	37.3	19.5	
LD-374-RA	37.4	19.5	
LD-375-RA	37.5	19.5	
LD-376-RA	37.6	19.5	
LD-377-RA	37.7	19.5	
LD-378-RA	37.8	19.5	
LD-379-RA	37.9	19.5	
LD-380-RA	38.0	20.0	LD380/389-32-..D-..
LD-381-RA	38.1	20.0	
LD-382-RA	38.2	20.0	
LD-383-RA	38.3	20.0	
LD-384-RA	38.4	20.0	
LD-385-RA	38.5	20.0	
LD-386-RA	38.6	20.0	
LD-387-RA	38.7	20.0	
LD-388-RA	38.8	20.0	
LD-389-RA	38.9	20.0	
LD-390-RA	39.0	20.0	LD390/399-32-..D-..
LD-391-RA	39.1	20.0	
LD-392-RA	39.2	20.0	
LD-393-RA	39.3	20.0	
LD-394-RA	39.4	20.0	
LD-395-RA	39.5	20.0	
LD-396-RA	39.6	20.0	
LD-397-RA	39.7	20.0	
LD-398-RA	39.8	20.0	
LD-399-RA	39.9	20.0	

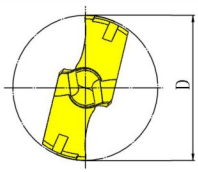
注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

LD. . . RA 特种钻尖RA型 Special Drilling Head RA







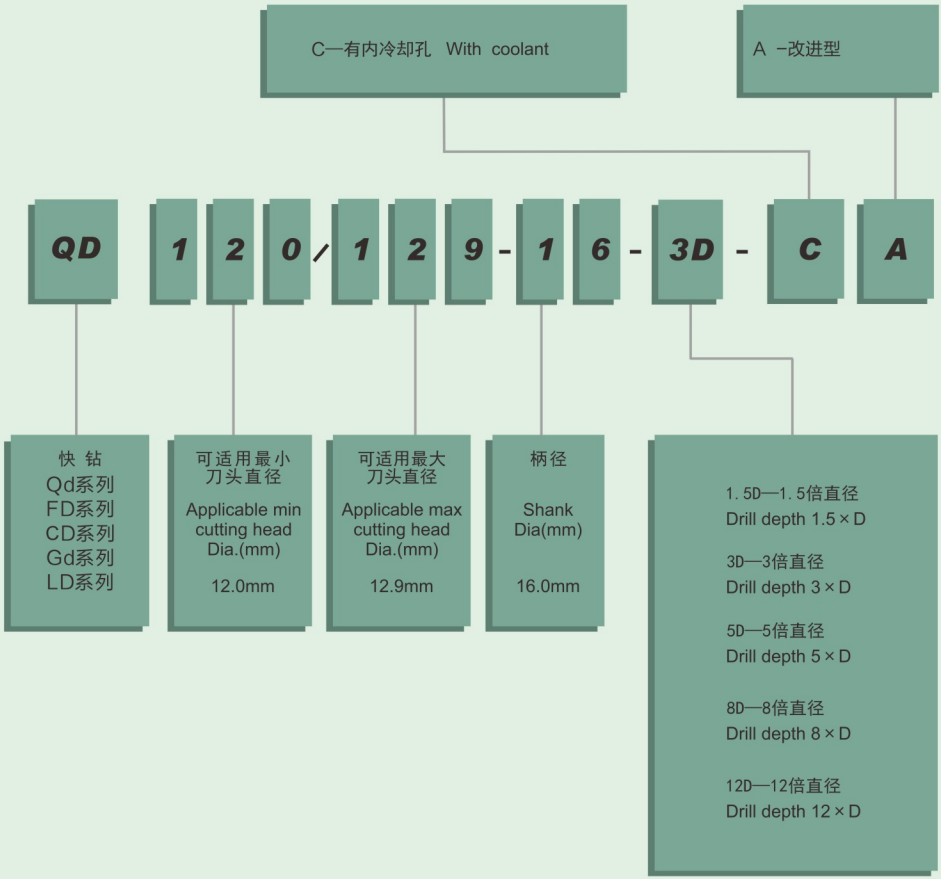
订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-400-RA	40.0	21.0	LD400/409-32-..D-..
LD-401-RA	40.1	21.0	
LD-402-RA	40.2	21.0	
LD-403-RA	40.3	21.0	
LD-404-RA	40.4	21.0	
LD-405-RA	40.5	21.0	
LD-406-RA	40.6	21.0	
LD-407-RA	40.7	21.0	
LD-408-RA	40.8	21.0	
LD-409-RA	40.9	21.0	
LD-410-RA	41.0	21.0	LD410/419-32-..D-..
LD-411-RA	41.1	21.0	
LD-412-RA	41.2	21.0	
LD-413-RA	41.3	21.0	
LD-414-RA	41.4	21.0	
LD-415-RA	41.5	21.0	
LD-416-RA	41.6	21.0	
LD-417-RA	41.7	21.0	
LD-418-RA	41.8	21.0	
LD-419-RA	41.9	21.0	
LD-420-RA	42.0	21.0	LD420/429-50-..D-..
LD-421-RA	42.1	21.0	
LD-422-RA	42.2	21.0	
LD-423-RA	42.3	21.0	
LD-424-RA	42.4	21.0	
LD-425-RA	42.5	21.0	
LD-426-RA	42.6	21.0	
LD-427-RA	42.7	21.0	
LD-428-RA	42.8	21.0	
LD-429-RA	42.9	21.0	

订货号 Order No.	尺寸 Dimensions(mm)		刀体 tool holders
	D	t	
LD-430-RA	43.0	22.0	LD430/439-50-..D-..
LD-431-RA	43.1	22.0	
LD-432-RA	43.2	22.0	
LD-433-RA	43.3	22.0	
LD-434-RA	43.4	22.0	
LD-435-RA	43.5	22.0	
LD-436-RA	43.6	22.0	
LD-437-RA	43.7	22.0	
LD-438-RA	43.8	22.0	
LD-439-RA	43.9	22.0	
LD-440-RA	44.0	22.0	LD440/450-50-..D-..
LD-441-RA	441	22.0	
LD-442-RA	44.2	22.0	
LD-443-RA	44.3	22.0	
LD-444-RA	44.4	22.0	
LD-445-RA	44.5	22.0	
LD-446-RA	44.6	22.0	
LD-447-RA	44.7	22.0	
LD-448-RA	44.8	22.0	
LD-449-RA	449	22.0	
LD-450-RA	45.0	22.0	

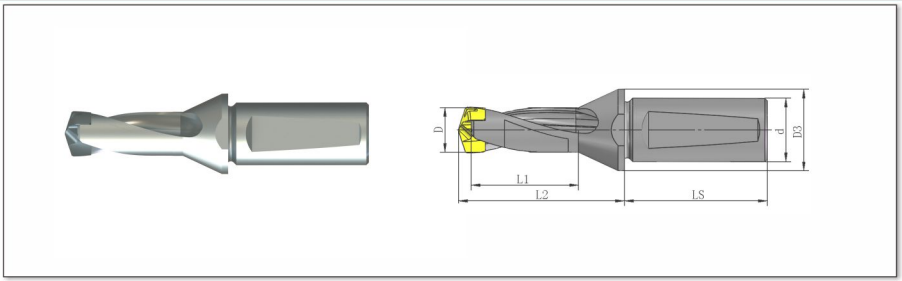
注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

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Mono Tip系列自锁式可换钻头刀体编码系统 Mono Tip Line Toolholder Orddering Code System

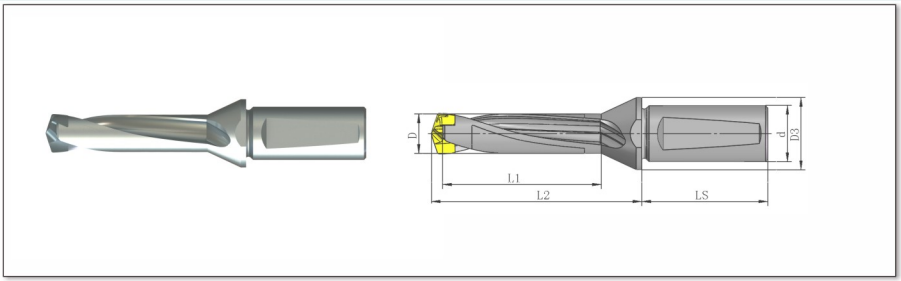


CD. . . -1. 5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



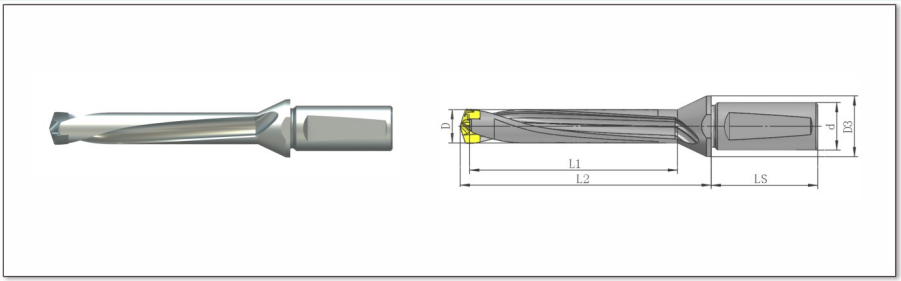
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
CD080/089-12-1.5D-CA	8.0~8.9	12	16	23.4	34.4	45	7.5	8-11.9
CD090/099-12-1.5D-CA	9.0~9.9	12	16	24.0	36.8	45	8.5	
CD100/109-16-1.5D-CA	10.0~10.9	16	20	25.0	39.0	48	9.5	
CD110/119-16-1.5D-CA	11.0~11.9	16	20	27.0	42.3	48	10.5	
CD120/129-16-1.5D-CA	12.0~12.9	16	20	29.0	43.5	48	11.5	12-16.9
CD130/139-16-1.5D-CA	13.0~13.9	16	20	31.0	45.7	48	12.5	
CD140/149-16-1.5D-CA	14.0~14.9	16	20	33.0	46.9	48	13.5	
CD150/159-20-1.5D-CA	15.0~15.9	20	25	36.0	54.4	50	14.5	
CD160/169-20-1.5D-CA	16.0~16.9	20	25	38.0	54.0	50	15.5	
CD170/179-20-1.5D-CA	17.0~17.9	20	25	40.4	59.7	50	16.5	17-20.9
CD180/189-25-1.5D-CA	18.0~18.9	25	32	42.0	65.0	56	17.5	
CD190/199-25-1.5D-CA	19.0~19.9	25	32	44.0	66.2	56	18.5	
CD200/209-25-1.5D-CA	20.0~20.9	25	32	47.0	71.6	56	19.5	
CD210/219-25-1.5D-CA	21.0~21.9	25	32	49.0	73.9	56	20.5	21-26
CD220/229-25-1.5D-CA	22.0~22.9	25	32	50.8	73.2	56	21.5	
CD230/239-32-1.5D-CA	23.0~23.9	32	42	53.0	82.5	60	22.5	
CD240/249-32-1.5D-CA	24.0~24.9	32	42	55.3	84.9	60	23.5	
CD250/260-32-1.5D-CA	25.0~26.0	32	42	58.0	89.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
CD5/16-11/32-1/2-1.5D-CA	5/16~11/32	1/2	16	23.4	34.4	45	7.5	8-11.9
CD23/64-25/64-1/2-1.5D-CA	23/64~25/64	1/2	16	24.0	36.8	45	8.8	
CD13/32-27/64-5/8-1.5D-CA	13/32~27/64	5/8	20	25.0	39.0	48	9.9	
CD7/16-15/32-5/8-1.5D-CA	7/16~15/32	5/8	20	27.0	42.3	48	10.7	
CD31/64-1/2-5/8-1.5D-CA	31/64~1/2	5/8	20	29.0	43.5	48	11.9	12-16.9
CD33/64-35/64-1/2-1.5D-CA	33/64~35/64	5/8	20	31.0	45.7	48	12.6	
CD9/16-37/64-1/2-1.5D-CA	9/16~37/64	5/8	25	33.0	46.9	48	13.8	
CD19/32-5/8-3/4-1.5D-CA	19/32~5/8	3/4	25	36.0	54.4	50	14.5	
CD41/64-21/32-3/4-1.5D-CA	41/64~21/32	3/4	25	38.0	54.0	50	15.6	
CD43/64-45/64-3/4-1.5D-CA	43/64~45/64	3/4	25	40.4	59.7	50	16.7	17-20.9
CD23/32-47/64-1-1.5D-CA	23/32~47/64	1	32	42.0	65.0	56	17.6	
CD3/8-25/32-1-1.5D-CA	3/8~25/32	1	32	44.0	66.2	56	18.4	
CD51/64-13/16-1-1.5D-CA	51/64~13/16	1	32	47.0	71.6	56	19.6	
CD53/64-55/64-1-1.5D-CA	53/64~55/64	1	32	49.0	73.9	56	20.4	21-26
CD7/8-57/64-1-1.5D-CA	7/8~57/64	1	32	50.8	73.2	56	21.6	
CD29/32-59/64-1 1/4-1.5D-CA	29/32~59/64	1 1/4	42	53.0	82.5	60	22.4	
CD61/64-31/32-1 1/4-1.5D-CA	61/64~1/32	1 1/4	42	55.3	84.9	60	23.6	
CD63/64-1-1 1/4-1.5D-CA	63/64~1	1 1/4	42	58.0	89.5	60	24.4	

CD. . . –3D–CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



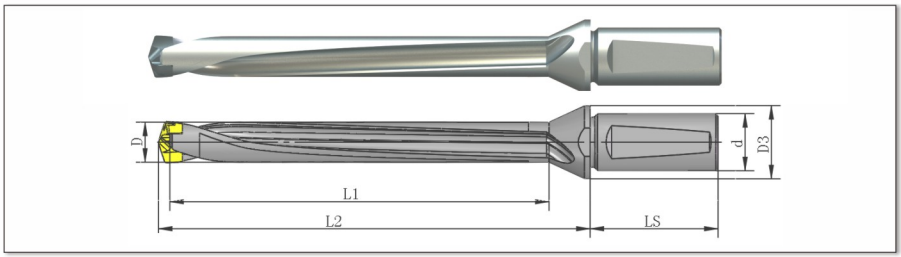
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
CD080/089-12-3D-CA	8.0~8.9	12	16	36.0	47.4	45	7.5	8-11.9
CD090/099-12-3D-CA	9.0~9.9	12	16	37.0	49.6	45	8.5	
CD100/109-16-3D-CA	10.0~10.9	16	20	41.0	55.0	48	9.5	
CD110/119-16-3D-CA	11.0~11.9	16	20	45.0	60.3	48	10.5	
CD120/129-16-3D-CA	12.0~12.9	16	20	48.0	62.5	48	11.5	12-16.9
CD130/139-16-3D-CA	13.0~13.9	16	20	52.0	66.7	48	12.5	
CD140/149-16-3D-CA	14.0~14.9	16	20	55.5	68.9	48	13.5	
CD150/159-20-3D-CA	15.0~15.9	20	25	60.0	78.4	50	14.5	
CD160/169-20-3D-CA	16.0~16.9	20	25	63.0	79.0	50	15.5	
CD170/179-20-3D-CA	17.0~17.9	20	25	66.0	79.7	50	16.5	17-20.9
CD180/189-25-3D-CA	18.0~18.9	25	32	70.5	93.5	56	17.5	
CD190/199-25-3D-CA	19.0~19.9	25	32	75.0	97.2	56	18.5	
CD200/209-25-3D-CA	20.0~20.9	25	32	78.0	102.6	56	19.5	
CD210/219-25-3D-CA	21.0~21.9	25	32	82.0	106.9	56	20.5	21-26
CD220/229-25-3D-CA	22.0~22.9	25	32	85.8	108.2	56	21.5	
CD230/239-32-3D-CA	23.0~23.9	32	42	89.3	119.5	60	22.5	
CD240/249-32-3D-CA	24.0~24.9	32	42	93.3	122.9	60	23.5	
CD250/260-32-3D-CA	25.0~26.0	32	42	97.2	128.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
CD5/16-11/32-1/2-3D-CA	5/16~11/32	1/2	16	36.0	47.4	45	7.5	8-11.9
CD23/64-25/64-1/2-3D-CA	23/64~25/64	1/2	16	37.0	49.6	45	8.8	
CD13/32-27/64-5/8-3D-CA	13/32~27/64	5/8	20	41.0	55.0	48	9.9	
CD7/16-15/32-5/8-3D-CA	7/16~15/32	5/8	20	45.0	60.3	48	10.7	
CD31/64-1/2-5/8-3D-CA	31/64~1/2	5/8	20	48.0	62.5	48	11.9	12-16.9
CD33/64-35/64-1/2-3D-CA	33/64~35/64	5/8	20	52.0	66.7	48	12.6	
CD9/16-37/64-1/2-3D-CA	9/16~37/64	5/8	25	55.5	68.9	48	13.8	
CD19/32-5/8-3/4-3D-CA	19/32~5/8	3/4	25	60.0	78.4	50	14.5	
CD41/64-21/32-3/4-3D-CA	41/64~21/32	3/4	25	63.0	79.0	50	15.6	
CD43/64-45/64-3/4-3D-CA	43/64~45/64	3/4	25	66.0	79.7	50	16.7	17-20.9
CD23/32-47/64-1-3D-CA	23/32~47/64	1	32	70.5	93.5	56	17.6	
CD3/8-25/32-1-3D-CA	3/8~25/32	1	32	75.0	97.2	56	18.4	
CD51/64-13/16-1-3D-CA	51/64~13/16	1	32	78.0	102.6	56	19.6	
CD53/64-55/64-1-3D-CA	53/64~55/64	1	32	82.0	106.9	56	20.4	21-26
CD7/8-57/64-1-3D-CA	7/8~57/64	1	32	85.8	108.2	56	21.6	
CD29/32-59/64-1 1/4-3D-CA	29/32~59/64	1 1/4	42	89.3	119.5	60	22.4	
CD61/64-31/32-1 1/4-3D-CA	61/64~1/32	1 1/4	42	93.3	122.9	60	23.6	
CD63/64-1-1 1/4-3D-CA	63/64~1	1 1/4	42	97.2	128.5	60	24.4	

CD. . . -5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



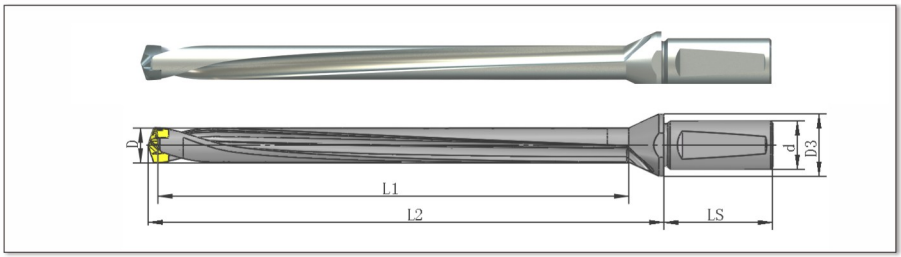
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
CD080/089-12-5D-CA	8.0~8.9	12	16	54.0	65.4	45	7.5	8-11.9
CD090/099-12-5D-CA	9.0~9.9	12	16	57.0	69.6	45	8.5	
CD100/109-16-5D-CA	10.0~10.9	16	20	63.0	78.0	48	9.5	
CD110/119-16-5D-CA	11.0~11.9	16	20	69.0	84.3	48	10.5	
CD120/129-16-5D-CA	12.0~12.9	16	20	75.0	89.5	48	11.5	12-16.9
CD130/139-16-5D-CA	13.0~13.9	16	20	80.0	94.7	48	12.5	
CD140/149-16-5D-CA	14.0~14.9	16	20	83.7	96.9	48	13.5	
CD150/159-20-5D-CA	15.0~15.9	20	25	92.0	110.4	50	14.5	
CD160/169-20-5D-CA	16.0~16.9	20	25	98.0	114.0	50	15.5	
CD170/179-20-5D-CA	17.0~17.9	20	25	103.4	122.7	50	16.5	17-20.9
CD180/189-25-5D-CA	18.0~18.9	25	32	109.3	132.0	56	17.5	
CD190/199-25-5D-CA	19.0~19.9	25	32	114.0	136.2	56	18.5	
CD200/209-25-5D-CA	20.0~20.9	25	32	120.0	144.6	56	19.5	
CD210/219-25-5D-CA	21.0~21.9	25	32	126.0	150.9	56	20.5	21-26
CD220/229-25-5D-CA	22.0~22.9	25	32	131.8	154.2	56	21.5	
CD230/239-32-5D-CA	23.0~23.9	32	42	137.0	167.5	60	22.5	
CD240/249-32-5D-CA	24.0~24.9	32	42	143.0	172.9	60	23.5	
CD250/260-32-5D-CA	25.0~26.0	32	42	149.2	180.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
CD5/16-11/32-1/2-5D-CA	5/16~11/32	1/2	16	54.0	65.4	45	7.5	8-11.9
CD23/64-25/64-1/2-5D-CA	23/64~25/64	1/2	16	57.0	69.6	45	8.8	
CD13/32-27/64-5/8-5D-CA	13/32~27/64	5/8	20	63.0	78.0	48	9.9	
CD7/16-15/32-5/8-5D-CA	7/16~15/32	5/8	20	69.0	84.3	48	10.7	
CD31/64-1/2-5/8-5D-CA	31/64~1/2	5/8	20	75.0	89.5	48	11.9	12-16.9
CD33/64-35/64-1/2-5D-CA	33/64~35/64	5/8	20	80.0	94.7	48	12.6	
CD9/16-37/64-1/2-5D-CA	9/16~37/64	5/8	25	83.7	96.9	48	13.8	
CD19/32-5/8-3/4-5D-CA	19/32~5/8	3/4	25	92.0	110.4	50	14.5	
CD41/64-21/32-3/4-5D-CA	41/64~21/32	3/4	25	98.0	114.0	50	15.6	
CD43/64-45/64-3/4-5D-CA	43/64~45/64	3/4	25	103.4	122.7	50	16.7	17-20.9
CD23/32-47/64-1-5D-CA	23/32~47/64	1	32	109.3	132.0	56	17.6	
CD3/8-25/32-1-5D-CA	3/8~25/32	1	32	114.0	136.2	56	18.4	
CD51/64-13/16-1-5D-CA	51/64~13/16	1	32	120.0	144.6	56	19.6	
CD53/64-55/64-1-5D-CA	53/64~55/64	1	32	126.0	150.9	56	20.4	21-26
CD7/8-57/64-1-5D-CA	7/8~57/64	1	32	131.8	154.2	56	21.6	
CD29/32-59/64-1 1/4-5D-CA	29/32~59/64	1 1/4	42	137.0	167.5	60	22.4	
CD61/64-31/32-1 1/4-5D-CA	61/64~1/32	1 1/4	42	143.0	172.9	60	23.6	
CD63/64-1-1 1/4-5D-CA	63/64~1	1 1/4	42	149.2	180.5	60	24.4	

CD. . . -8D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
CD080/089-12-8D-CA	8.0~8.9	12	16	82.0	93.4	45	7.5	8-11.9
CD090/099-12-8D-CA	9.0~9.9	12	16	87.0	99.0	45	8.5	
CD100/109-16-8D-CA	10.0~10.9	16	20	96.0	110.0	48	9.5	
CD110/119-16-8D-CA	11.0~11.9	16	20	105.0	120.3	48	10.5	
CD120/129-16-8D-CA	12.0~12.9	16	20	114.0	128.0	48	11.5	12-16.9
CD130/139-16-8D-CA	13.0~13.9	16	20	122.0	136.7	48	12.5	
CD140/149-16-8D-CA	14.0~14.9	16	20	130.5	143.9	48	13.5	
CD150/159-20-8D-CA	15.0~15.9	20	25	140.0	158.4	50	14.5	
CD160/169-20-8D-CA	16.0~16.9	20	25	148.0	164.0	50	15.5	
CD170/179-20-8D-CA	17.0~17.9	20	25	157.0	176.7	50	16.5	17-20.9
CD180/189-25-8D-CA	18.0~18.9	25	32	166.0	189.0	56	17.5	
CD190/199-25-8D-CA	19.0~19.9	25	32	174.0	196.2	56	18.5	
CD200/209-25-8D-CA	20.0~20.9	25	32	183.0	207.6	56	19.5	
CD210/219-25-8D-CA	21.0~21.9	25	32	192.0	216.9	56	20.5	21-26
QD220/229-25-8D-CA	22.0~22.9	25	32	201.0	223.2	56	21.5	
QD230/239-32-8D-CA	23.0~23.9	32	42	208.0	238.5	60	22.5	
QD240/249-32-8D-CA	24.0~24.9	32	42	217.9	247.9	60	23.5	
QD250/260-32-8D-CA	25.0~26.0	32	42	227.0	258.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
QD5/16-11/32-1/2-8D-CA	5/16~11/32	1/2	16	82.0	93.4	45	7.5	8~11.9
QD23/64-25/64-1/2-8D-CA	23/64~25/64	1/2	16	87.0	99.0	45	8.8	
QD13/32-27/64-5/8-8D-CA	13/32~27/64	5/8	20	96.0	110.0	48	9.9	
QD7/16-15/32-5/8-8D-CA	7/16~15/32	5/8	20	105.0	120.3	48	10.7	
QD31/64-1/2-5/8-8D-CA	31/64~1/2	5/8	20	114.0	128.0	48	11.9	12-16.9
QD33/64-35/64-1/2-8D-CA	33/64~35/64	5/8	20	122.0	136.7	48	12.6	
QD9/16-37/64-1/2-8D-CA	9/16~37/64	5/8	25	130.5	143.9	48	13.8	
QD19/32-5/8-3/4-8D-CA	19/32~5/8	3/4	25	140.0	158.4	50	14.5	
QD41/64-21/32-3/4-8D-CA	41/64~21/32	3/4	25	148.0	164.0	50	15.6	
QD43/64-45/64-3/4-8D-CA	43/64~45/64	3/4	25	157.0	176.7	50	16.7	17-20.9
QD23/32-47/64-1-8D-CA	23/32~47/64	1	32	166.0	189.0	56	17.6	
QD3/8-25/32-1-8D-CA	3/8~25/32	1	32	174.0	196.2	56	18.4	
QD51/64-13/16-1-8D-CA	51/64~13/16	1	32	183.0	207.6	56	19.6	
QD53/64-55/64-1-8D-CA	53/64~55/64	1	32	192.0	216.9	56	20.4	21-26
QD7/8-57/64-1-8D-CA	7/8~57/64	1	32	201.0	223.2	56	21.6	
QD29/32-59/64-1 1/4-8D-CA	29/32~59/64	1 1/4	42	208.0	238.5	60	22.4	
QD61/64-31/32-1 1/4-8D-CA	61/64~1/32	1 1/4	42	217.9	247.9	60	23.6	
QD63/64-1-1 1/4-8D-CA	63/64~1	1 1/4	42	227.0	258.5	60	24.4	

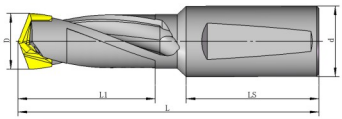
CD. . . -12D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
QD120/12916-12D-CA	12.0~12.9	16	20	166.0	179.5	48	11.5	12-16.9
QD130/139-16-12D-CA	13.0~13.9	16	20	178.0	192.6	48	12.5	
QD140/149-16-12D-CA	14.0~14.9	16	20	190.6	203.9	48	13.5	
QD150/159-20-12D-CA	15.0~15.9	20	20	204.0	222.4	50	14.5	
QD160/169-20-12D-CA	16.0~16.9	20	20	216.0	232.0	50	15.5	
QD170/179-20-12D-CA	17.0~17.9	20	20	229.0	248.7	50	16.5	17-20.9
QD180/189-25-12D-CA	18.0~18.9	25	32	242.0	265.0	56	17.5	
QD190/199-25-12D-CA	19.0~19.9	25	32	254.0	276.2	56	18.5	
QD200/209-25-12D-CA	20.0~20.9	25	32	267.0	291.6	56	19.5	
QD210/219-25-12D-CA	21.0~21.9	25	32	280.0	304.9	56	20.5	21-26
QD220/229-25-12D-CA	22.0~22.9	25	32	293.0	315.2	56	21.5	
QD230/239-32-12D-CA	23.0~23.9	32	42	305.0	334.5	60	22.5	
QD240/249-32-12D-CA	24.0~24.9	32	42	318.0	347.9	60	23.5	
QD250/260-32-12D-CA	25.0~26.0	32	42	331.0	362.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
QD31/64-1/2-5/8-12D-CA	31/64~1/2	5/8	20	166.0	179.5	48	11.9	12-16.9
QD33/64-35/64-1/2-12D-CA	33/64~35/64	5/8	20	178.0	192.6	48	12.6	
QD9/16-37/64-1/2-12D-CA	9/16~37/64	5/8	25	190.6	203.9	48	13.8	
QD19/32-5/8-3/4-12D-CA	19/32~5/8	3/4	25	204.0	222.4	50	14.5	
QD41/64-21/32-3/4-12D-CA	41/64~21/32	3/4	25	216.0	232.0	50	15.6	
QD43/64-45/64-3/4-12D-CA	43/64~45/64	3/4	25	229.0	248.7	50	16.7	17-20.9
QD23/32-47/64-1-12D-CA	23/32~47/64	1	32	242.0	265.0	56	17.6	
QD3/8-25/32-1-12D-CA	3/8~25/32	1	32	254.0	276.2	56	18.4	
QD51/64-13/16-1-12D-CA	51/64~13/16	1	32	267.0	291.6	56	19.6	
QD53/64-55/64-1-12D-CA	53/64~55/64	1	32	280.0	304.9	56	20.4	21-26
QD7/8-57/64-1-12D-CA	7/8~57/64	1	32	293.0	315.2	56	21.6	
QD29/32-59/64-1 1/4-12D-CA	29/32~59/64	1 1/4	42	305.0	334.5	60	22.4	
QD61/64-31/32-1 1/4-12D-CA	61/64~1/32	1 1/4	42	318.0	347.9	60	23.6	
QD63/64-1-1 1/4-12D-CA	63/64~1	1 1/4	42	331.0	362.5	60	24.4	

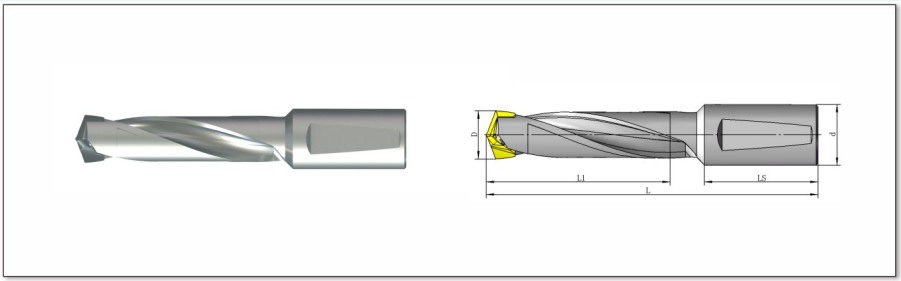
GD. . . -1D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders





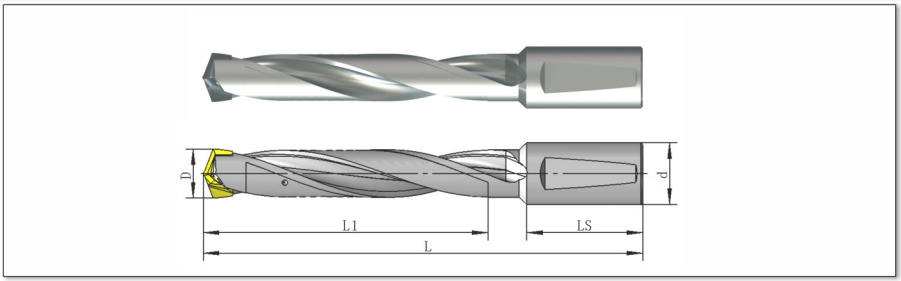
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)					锁紧螺丝 Lock Screw	锁紧扳手 Wrench
		d	L	L1	D	Ls		
GD120-129-16-1D-CA	12.0-12.9	16	78	14	11.5	48	M2.5/M2.5x13	T5x156
GD130-139-16-1D-CA	13.0-13.9	16	81	15	12.5	48		
GD140-149-20-1D-CA	14.0-14.9	20	85	16	13.5	50	M3.0/M2.5x14	T5x156
GD150-159-20-1D-CA	15.0-15.9	20	85	16	14.5	50		
GD160-169-20-1D-CA	16.0-16.9	20	88	18	15.5	50	M3.5/M3.0x16	1.5mmx185
GD170-179-20-1D-CA	17.0-17.9	20	88	18	16.5	50		
GD180-189-25-1D-CA	18.0-18.9	25	99	20	17.5	56		
GD190-199-25-1D-CA	19.0-19.9	25	99	20	18.5	56		
GD200-209-25-1D-CA	20.0-20.9	25	102	22	19.5	56		
GD210-219-25-1D-CA	21.0-21.9	25	102	22	20.5	56		
GD220-229-25-1D-CA	22.0-22.9	25	107	24	21.5	56	M4.0/M3.0x19	2.0mmx210
GD230-239-25-1D-CA	23.0-23.9	25	107	24	22.5	56		
GD240-249-32-1D-CA	24.0-24.9	32	115	26	23.5	60	M5.0/M4.0x23	2.5mmx240
GD250-260-32-1D-CA	25.0-26.0	32	115	26	24.5	60		

GD. . . –3D–CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



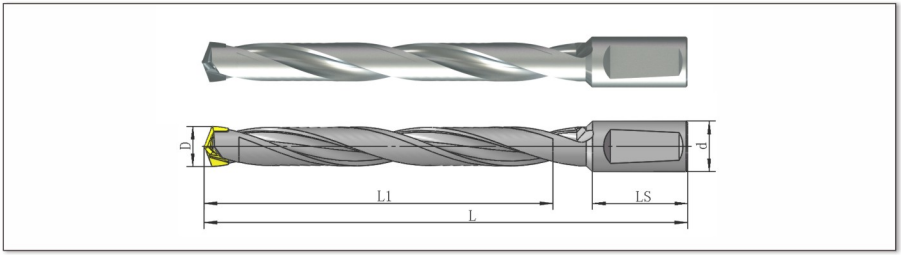
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)					锁紧螺丝 Lock Screw	锁紧扳手 Wrench
		d	L	L1	D	Ls		
GD120-129-16-3D-CA	12.0-12.9	16	111	42	11.5	48	M2.5/M2.5x13	T5x156
GD130-139-16-3D-CA	13.0-13.9	16	111	42	12.5	48		
GD140-149-20-3D-CA	14.0-14.9	20	122	48	13.5	50	M3.0/M2.5x14	T5x156
GD150-159-20-3D-CA	15.0-15.9	20	122	48	14.5	50		
GD160-169-20-3D-CA	16.0-16.9	20	130	54	15.5	50	M3.5/M3.0x16	1.5mmx185
GD170-179-20-3D-CA	17.0-17.9	20	130	54	16.5	50		
GD180-189-25-3D-CA	18.0-18.9	25	144	60	17.5	56		
GD190-199-25-3D-CA	19.0-19.9	25	144	60	18.5	56		
GD200-209-25-3D-CA	20.0-20.9	25	153	66	19.5	56		
GD210-219-25-3D-CA	21.0-21.9	25	153	66	20.5	56		
GD220-229-25-3D-CA	22.0-22.9	25	161	72	21.5	56	M4.0/M3.0x19	2.0mmx210
GD230-239-25-3D-CA	23.0-23.9	25	161	72	22.5	56		
GD240-249-32-3D-CA	24.0-24.9	32	174	78	23.5	60	M5.0/M4.0x23	2.5mmx240
GD250-260-32-3D-CA	25.0-26.0	32	174	78	24.5	60		

GD. . . -5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



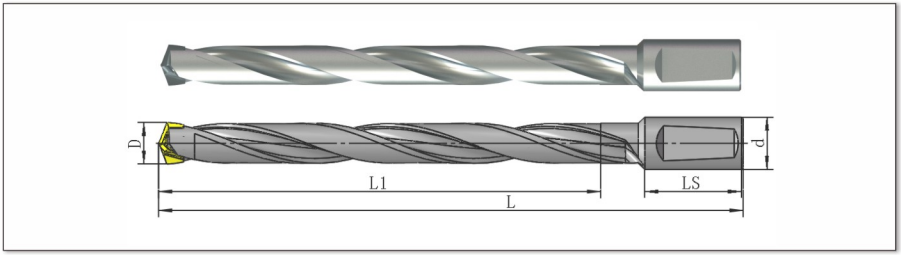
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)					锁紧螺丝 Lock Screw	锁紧扳手 Wrench
		d	L	L1	D	Ls		
GD120-129-16-5D-CA	12.0-12.9	16	139	70	11.5	48	M2.5/M2.5x13	T5x156
GD130-139-16-5D-CA	13.0-13.9	16	139	70	12.5	48		
GD140-149-20-5D-CA	14.0-14.9	20	154	80	13.5	50	M3.0/M2.5x14	T6x188
GD150-159-20-5D-CA	15.0-15.9	20	154	80	14.5	50		
GD160-169-20-5D-CA	16.0-16.9	20	166	90	15.5	50	M3.5/M3.0x16	1.5mmx185
GD170-179-20-5D-CA	17.0-17.9	20	166	90	16.5	50		
GD180-189-25-5D-CA	18.0-18.9	25	184	100	17.5	56	M3.5/M3.0x16	1.5mmx225
GD190-199-25-5D-CA	19.0-19.9	25	184	100	18.5	56		
GD200-209-25-5D-CA	20.0-20.9	25	197	110	19.5	56		
GD210-219-25-5D-CA	21.0-21.9	25	197	110	20.5	56		
GD220-229-25-5D-CA	22.0-22.9	25	209	120	21.5	56	M4.0/M3.0x19	2.0mmx260
GD230-239-25-5D-CA	23.0-23.9	25	209	120	22.5	56		
GD240-249-32-5D-CA	24.0-24.9	32	226	130	23.5	60	M5.0/M4.0x23	2.5mmx240
GD250-260-32-5D-CA	25.0-26.0	32	226	130	24.5	60		

GD. . . -7D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



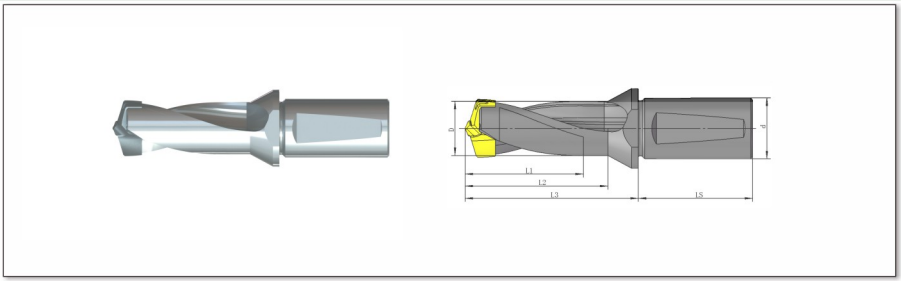
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)					锁紧螺丝 Lock Screw	锁紧扳手 Wrench
		d	L	L1	D	Ls		
GD120-129-16-7D-CA	12.0-12.9	16	167	98	11.5	48	M2.5/M2.5x13	T5x188
GD130-139-16-7D-CA	13.0-13.9	16	167	98	12.5	48		
GD140-149-20-7D-CA	14.0-14.9	20	186	112	13.5	50	M3.0/M2.5x14	T6x290
GD150-159-20-7D-CA	15.0-15.9	20	186	112	14.5	50		
GD160-169-20-7D-CA	16.0-16.9	20	202	126	15.5	50	M3.5/M3.0x16	1.5mmx225
GD170-179-20-7D-CA	17.0-17.9	20	202	126	16.5	50		
GD180-189-25-7D-CA	18.0-18.9	25	224	140	17.5	56	M3.5/M3.0x16	1.5mmx297
GD190-199-25-7D-CA	19.0-19.9	25	224	140	18.5	56		
GD200-209-25-7D-CA	20.0-20.9	25	241	154	19.5	56		
GD210-219-25-7D-CA	21.0-21.9	25	241	154	20.5	56		
GD220-229-25-7D-CA	22.0-22.9	25	257	168	21.5	56	M4.0/M3.0x19	2.0mmx343
GD230-239-25-7D-CA	23.0-23.9	25	257	168	22.5	56		
GD240-249-32-7D-CA	24.0-24.9	32	278	182	23.5	60	M5.0/M4.0x23	2.5mmx295
GD250-260-32-7D-CA	25.0-26.0	32	278	182	24.5	60		

GD. . . -10D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



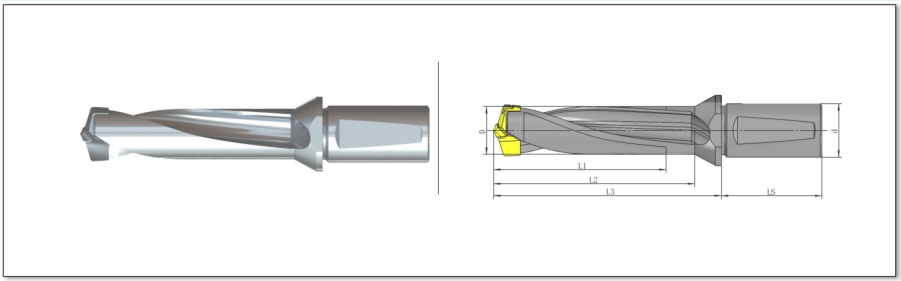
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)					锁紧螺丝 Lock Screw	锁紧扳手 Wrench
		d	L	L1	D	Ls		
GD120-129-16-10D-CA	12.0-12.9	16	195	130	11.5	48	M2.5/M2.5x13	T5x290
GD130-139-16-10D-CA	13.0-13.9	16	205	140	12.5	48		
GD140-149-20-10D-CA	14.0-14.9	20	220	150	13.5	50	M3.0/M2.5x14	T6x290
GD150-159-20-10D-CA	15.0-15.9	20	230	160	14.5	50		
GD160-169-20-10D-CA	16.0-16.9	20	241	170	15.5	50	M3.5/M3.0x16	1.5mmx297
GD170-179-20-10D-CA	17.0-17.9	20	251	180	16.5	50		
GD180-189-25-10D-CA	18.0-18.9	25	269	190	17.5	56		
GD190-199-25-10D-CA	19.0-19.9	25	279	200	18.5	56		
GD200-209-25-10D-CA	20.0-20.9	25	297	210	19.5	56	M3.5/M3.0x16	1.5mmx351
GD210-219-25-10D-CA	21.0-21.9	25	307	220	20.5	56		
GD220-229-25-10D-CA	22.0-22.9	25	319	230	21.5	56	M4.0/M3.0x19	2.0mmx343
GD230-239-25-10D-CA	23.0-23.9	25	329	240	22.5	56		
GD240-249-32-10D-CA	24.0-24.9	32	346	250	23.5	60	M5.0/M4.0x23	2.5mmx393
GD250-260-32-10D-CA	25.0-26.0	32	356	260	24.5	60		

LD. . . -1.5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



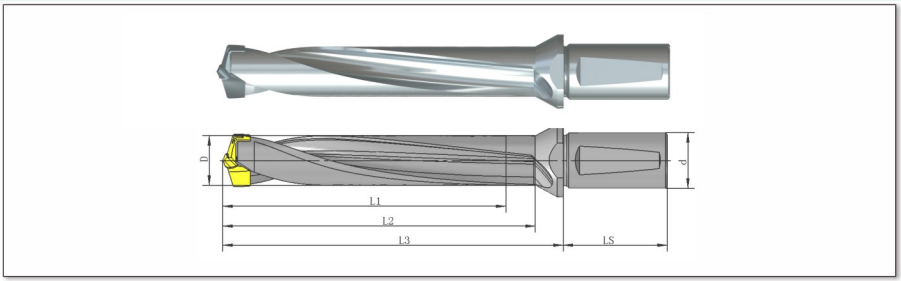
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	L1	L2	L3	D	Ls	
LD280/289-32-1.5D-CA	28.0-28.9	32	43.5	72.5	92.5	27.5	60	Key27-32
LD290/299-32-1.5D-CA	29.0-29.9	32	45.0	75.0	95.0	28.5	60	
LD300/309-32-1.5D-CA	30.0-30.9	32	46.5	77.5	97.5	29.5	60	
LD310/319-32-1.5D-CA	31.0-31.9	32	48.0	80.0	100.0	30.5	60	
LD320/229-32-1.5D-CA	32.0-32.9	32	49.5	82.5	102.5	31.5	60	
LD330/339-32-1.5D-CA	33.0-33.9	32	51.0	85.0	105.0	32.5	60	
LD340/349-32-1.5D-CA	34.0-34.9	32	52.5	87.5	107.5	33.5	60	Key33-38
LD350/359-32-1.5D-CA	35.0-35.9	32	54.0	90.0	110.0	34.5	60	
LD360/369-32-1.5D-CA	36.0-36.9	32	55.5	92.5	112.5	35.5	60	
LD370/379-32-1.5D-CA	37.0-37.9	32	57.0	95.0	115.0	36.5	60	
LD380/389-32-1.5D-CA	38.0-38.9	32	58.5	97.5	117.5	37.5	60	
LD390/399-32-1.5D-CA	39.0-39.9	32	60.0	100.0	120.0	38.5	60	Key39-45
LD400/409-32-1.5D-CA	40.0-40.9	32	61.5	102.5	122.5	39.5	60	
LD410/419-32-1.5D-CA	41.0-41.9	32	63.0	105.0	125.0	40.5	60	
LD420/429-50-1.5D-CA	42.0-42.9	50	64.5	107.5	127.5	41.5	80	
LD430/439-50-1.5D-CA	43.0-43.9	50	66.0	110.0	130.0	42.5	80	
LD440/450-50-1.5D-CA	44.0-45.0	50	67.5	112.5	132.5	43.5	80	

LD. . . –3D–CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



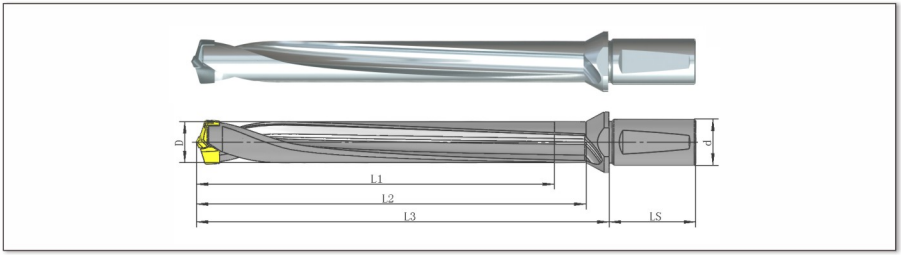
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	L1	L2	L3	D	Ls	
LD280/289-32-3D-CA	28.0-28.9	32	87.0	116.0	136.0	27.5	60	Key27-32
LD290/299-32-3D-CA	29.0-29.9	32	90.0	120.0	140.0	28.5	60	
LD300/309-32-3D-CA	30.0-30.9	32	93.0	124.0	144.0	29.5	60	
LD310/319-32-3D-CA	31.0-31.9	32	96.0	128.0	148.0	30.5	60	
LD320/229-32-3D-CA	32.0-32.9	32	99.0	132.0	152.0	31.5	60	
LD330/339-32-3D-CA	33.0-33.9	32	102.0	136.0	156.0	32.5	60	
LD340/349-32-3D-CA	34.0-34.9	32	105.0	140.0	160.0	33.5	60	Key33-38
LD350/359-32-3D-CA	35.0-35.9	32	108.0	144.0	164.0	34.5	60	
LD360/369-32-3D-CA	36.0-36.9	32	111.0	148.0	168.0	35.5	60	
LD370/379-32-3D-CA	37.0-37.9	32	114.0	152.0	172.0	36.5	60	
LD380/389-32-3D-CA	38.0-38.9	32	117.0	156.0	176.0	37.5	60	
LD390/399-32-3D-CA	39.0-39.9	32	120.0	160.0	180.0	38.5	60	Key39-45
LD400/409-32-3D-CA	40.0-40.9	32	123.0	164.0	184.0	39.5	60	
LD410/419-32-3D-CA	41.0-41.9	32	126.0	168.0	188.0	40.5	60	
LD420/429-50-3D-CA	42.0-42.9	50	129.0	172.0	192.0	41.5	80	
LD430/439-50-3D-CA	43.0-43.9	50	132.0	176.0	196.0	42.5	80	
LD440/450-50-3D-CA	44.0-45.0	50	135.0	180.0	200.0	43.5	80	

LD. . . -5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



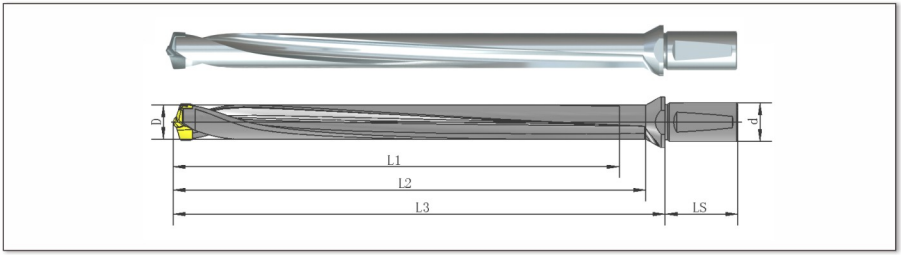
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	L1	L2	L3	D	Ls	
LD280/289-32-5D-CA	28.0-28.9	32	145.0	174.0	194.0	27.5	60	Key27-32
LD290/299-32-5D-CA	29.0-29.9	32	150.0	180.0	200.0	28.5	60	
LD300/309-32-5D-CA	30.0-30.9	32	155.0	186.0	206.0	29.5	60	
LD310/319-32-5D-CA	31.0-31.9	32	160.0	192.0	212.0	30.5	60	
LD320/229-32-5D-CA	32.0-32.9	32	165.0	198.0	218.0	31.5	60	
LD330/339-32-5D-CA	33.0-33.9	32	170.0	204.0	224.0	32.5	60	
LD340/349-32-5D-CA	34.0-34.9	32	175.0	210.0	230.0	33.5	60	Key33-38
LD350/359-32-5D-CA	35.0-35.9	32	180.0	216.0	236.0	34.5	60	
LD360/369-32-5D-CA	36.0-36.9	32	185.0	222.0	242.0	35.5	60	
LD370/379-32-5D-CA	37.0-37.9	32	190.0	228.0	248.0	36.5	60	
LD380/389-32-5D-CA	38.0-38.9	32	195.0	234.0	254.0	37.5	60	
LD390/399-32-5D-CA	39.0-39.9	32	200.0	240.0	260.0	38.5	60	Key39-45
LD400/409-32-5D-CA	40.0-40.9	32	205.0	246.0	266.0	39.5	60	
LD410/419-32-5D-CA	41.0-41.9	32	210.0	252.0	272.0	40.5	60	
LD420/429-50-5D-CA	42.0-42.9	50	215.0	258.0	278.0	41.5	80	
LD430/439-50-5D-CA	43.0-43.9	50	220.0	264.0	284.0	42.5	80	
LD440/450-50-5D-CA	44.0-45.0	50	225.0	270.0	290.0	43.5	80	

LD. . . -8D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



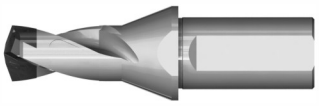
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	L1	L2	L3	D	Ls	
LD280/289-32-8D-CA	28.0-28.9	32	232.0	261.0	281.0	27.5	60	Key27-32
LD290/299-32-8D-CA	29.0-29.9	32	240.0	270.0	290.0	28.5	60	
LD300/309-32-8D-CA	30.0-30.9	32	248.0	279.0	299.0	29.5	60	
LD310/319-32-8D-CA	31.0-31.9	32	256.0	288.0	308.0	30.5	60	
LD320/229-32-8D-CA	32.0-32.9	32	264.0	297.0	317.0	31.5	60	
LD330/339-32-8D-CA	33.0-33.9	32	272.0	306.0	326.0	32.5	60	
LD340/349-32-8D-CA	34.0-34.9	32	280.0	315.0	335.0	33.5	60	Key33-38
LD350/359-32-8D-CA	35.0-35.9	32	288.0	324.0	344.0	34.5	60	
LD360/369-32-8D-CA	36.0-36.9	32	296.0	333.0	353.0	35.5	60	
LD370/379-32-8D-CA	37.0-37.9	32	304.0	342.0	362.0	36.5	60	
LD380/389-32-8D-CA	38.0-38.9	32	312.0	351.0	371.0	37.5	60	
LD390/399-32-8D-CA	39.0-39.9	32	320.0	360.0	380.0	38.5	60	Key39-45
LD400/409-32-8D-CA	40.0-40.9	32	328.0	369.0	389.0	39.5	60	
LD410/419-32-8D-CA	41.0-41.9	32	336.0	378.0	398.0	40.5	60	
LD420/429-50-8D-CA	42.0-42.9	50	344.0	387.0	407.0	41.5	80	
LD430/439-50-8D-CA	43.0-43.9	50	352.0	396.0	416.0	42.5	80	
LD440/450-50-8D-CA	44.0-45.0	50	360.0	405.0	425.0	43.5	80	

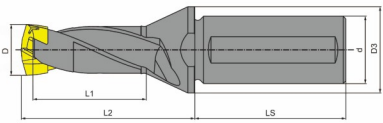
LD. . . -12D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	L1	L2	L3	D	Ls	
LD280/289-32-12D-CA	28.0-28.9	32	348.0	377.0	397.0	27.5	60	Key27-32
LD290/299-32-12D-CA	29.0-29.9	32	360.0	390.0	410.0	28.5	60	
LD300/309-32-12D-CA	30.0-30.9	32	372.0	403.0	423.0	29.5	60	
LD310/319-32-12D-CA	31.0-31.9	32	384.0	416.0	436.0	30.5	60	
LD320/229-32-12D-CA	32.0-32.9	32	396.0	429.0	449.0	31.5	60	
LD330/339-32-12D-CA	33.0-33.9	32	408.0	442.0	462.0	32.5	60	
LD340/349-32-12D-CA	34.0-34.9	32	420.0	455.0	475.0	33.5	60	Key33-38
LD350/359-32-12D-CA	35.0-35.9	32	432.0	468.0	488.0	34.5	60	
LD360/369-32-12D-CA	36.0-36.9	32	444.0	481.0	501.0	35.5	60	
LD370/379-32-12D-CA	37.0-37.9	32	456.0	494.0	514.0	36.5	60	
LD380/389-32-12D-CA	38.0-38.9	32	468.0	507.0	527.0	37.5	60	
LD390/399-32-12D-CA	39.0-39.9	32	480.0	520.0	540.0	38.5	60	Key39-45
LD400/409-32-12D-CA	40.0-40.9	32	492.0	533.0	553.0	39.5	60	
LD410/419-32-12D-CA	41.0-41.9	32	504.0	546.0	566.0	40.5	60	
LD420/429-50-12D-CA	42.0-42.9	50	516.0	559.0	579.0	41.5	80	
LD430/439-50-12D-CA	43.0-43.9	50	528.0	572.0	592.0	42.5	80	
LD440/450-50-12D-CA	44.0-45.0	50	540.0	585.0	605.0	43.5	80	

QD. . . -1. 5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders

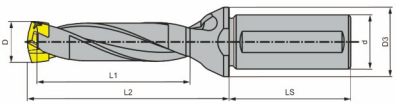




订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
QD080/089-12-1.5D-CA	8.0~8.9	12	16	23.4	34.4	45	7.5	8-11.9
QD090/099-12-1.5D-CA	9.0~9.9	12	16	24.0	36.8	45	8.5	
QD100/109-16-1.5D-CA	10.0~10.9	16	20	25.0	39.0	48	9.5	
QD110/119-16-1.5D-CA	11.0~11.9	16	20	27.0	42.3	48	10.5	
QD120/129-16-1.5D-CA	12.0~12.9	16	20	29.0	43.5	48	11.5	12-16.9
QD130/139-16-1.5D-CA	13.0~13.9	16	20	31.0	45.7	48	12.5	
QD140/149-16-1.5D-CA	14.0~14.9	16	20	33.0	46.9	48	13.5	
QD150/159-20-1.5D-CA	15.0~15.9	20	25	36.0	54.4	50	14.5	
QD160/169-20-1.5D-CA	16.0~16.9	20	25	38.0	54.0	50	15.5	
QD170/179-20-1.5D-CA	17.0~17.9	20	25	40.4	59.7	50	16.5	17-20.9
QD180/189-25-1.5D-CA	18.0~18.9	25	32	42.0	65.0	56	17.5	
QD190/199-25-1.5D-CA	19.0~19.9	25	32	44.0	66.2	56	18.5	
QD200/209-25-1.5D-CA	20.0~20.9	25	32	47.0	71.6	56	19.5	
QD210/219-25-1.5D-CA	21.0~21.9	25	32	49.0	73.9	56	20.5	21-26
QD220/229-25-1.5D-CA	22.0~22.9	25	32	50.8	73.2	56	21.5	
QD230/239-32-1.5D-CA	23.0~23.9	32	42	53.0	82.5	60	22.5	
QD240/249-32-1.5D-CA	24.0~24.9	32	42	55.3	84.9	60	23.5	
QD250/260-32-1.5D-CA	25.0~26.0	32	42	58.0	89.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
QD5/16-11/32-1/2-1.5D-CA	5/16~11/32	1/2	16	23.4	34.4	45	7.5	8-11.9
QD23/64-25/64-1/2-1.5D-CA	23/64~25/64	1/2	16	24.0	36.8	45	8.8	
QD13/32-27/64-5/8-1.5D-CA	13/32~27/64	5/8	20	25.0	39.0	48	9.9	
QD7/16-15/32-5/8-1.5D-CA	7/16~15/32	5/8	20	27.0	42.3	48	10.7	
QD31/64-1/2-5/8-1.5D-CA	31/64~1/2	5/8	20	29.0	43.5	48	11.9	12-16.9
QD33/64-35/64-1/2-1.5D-CA	33/64~35/64	5/8	20	31.0	45.7	48	12.6	
QD9/16-37/64-1/2-1.5D-CA	9/16~37/64	5/8	25	33.0	46.9	48	13.8	
QD19/32-5/8-3/4-1.5D-CA	19/32~5/8	3/4	25	36.0	54.4	50	14.5	
QD41/64-21/32-3/4-1.5D-CA	41/64~21/32	3/4	25	38.0	54.0	50	15.6	
QD43/64-45/64-3/4-1.5D-CA	43/64~45/64	3/4	25	40.4	59.7	50	16.7	17-20.9
QD23/32-47/64-1-1.5D-CA	23/32~47/64	1	32	42.0	65.0	56	17.6	
QD3/8-25/32-1-1.5D-CA	3/8~25/32	1	32	44.0	66.2	56	18.4	
QD51/64-13/16-1-1.5D-CA	51/64~13/16	1	32	47.0	71.6	56	19.6	
QD53/64-55/64-1-1.5D-CA	53/64~55/64	1	32	49.0	73.9	56	20.4	21-26
QD7/8-57/64-1-1.5D-CA	7/8~57/64	1	32	50.8	73.2	56	21.6	
QD29/32-59/64-1 1/4-1.5D-CA	29/32~59/64	1 1/4	42	53.0	82.5	60	22.4	
QD61/64-31/32-1 1/4-1.5D-CA	61/64~1/32	1 1/4	42	55.3	84.9	60	23.6	
QD63/64-1-1 1/4-1.5D-CA	63/64~1	1 1/4	42	58.0	89.5	60	24.4	

QD. . . –3D–CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders

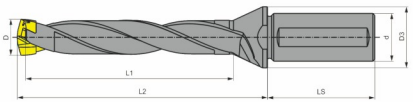




订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
QD080/089-12-3D-CA	8.0~8.9	12	16	36.0	47.4	45	7.5	8-11.9
QD090/099-12-3D-CA	9.0~9.9	12	16	37.0	49.6	45	8.5	
QD100/109-16-3D-CA	10.0~10.9	16	20	41.0	55.0	48	9.5	
QD110/119-16-3D-CA	11.0~11.9	16	20	45.0	60.3	48	10.5	
QD120/129-16-3D-CA	12.0~12.9	16	20	48.0	62.5	48	11.5	12-16.9
QD130/139-16-3D-CA	13.0~13.9	16	20	52.0	66.7	48	12.5	
QD140/149-16-3D-CA	14.0~14.9	16	20	55.5	68.9	48	13.5	
QD150/159-20-3D-CA	15.0~15.9	20	25	60.0	78.4	50	14.5	
QD160/169-20-3D-CA	16.0~16.9	20	25	63.0	79.0	50	15.5	
QD170/179-20-3D-CA	17.0~17.9	20	25	66.0	79.7	50	16.5	17-20.9
QD180/189-25-3D-CA	18.0~18.9	25	32	70.5	93.5	56	17.5	
QD190/199-25-3D-CA	19.0~19.9	25	32	75.0	97.2	56	18.5	
QD200/209-25-3D-CA	20.0~20.9	25	32	78.0	102.6	56	19.5	
QD210/219-25-3D-CA	21.0~21.9	25	32	82.0	106.9	56	20.5	21-26
QD220/229-25-3D-CA	22.0~22.9	25	32	85.8	108.2	56	21.5	
QD230/239-32-3D-CA	23.0~23.9	32	42	89.3	119.5	60	22.5	
QD240/249-32-3D-CA	24.0~24.9	32	42	93.3	122.9	60	23.5	
QD250/260-32-3D-CA	25.0~26.0	32	42	97.2	128.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
QD5/16-11/32-1/2-3D-CA	5/16~11/32	1/2	16	36.0	47.4	45	7.5	8-11.9
QD23/64-25/64-1/2-3D-CA	23/64~25/64	1/2	16	37.0	49.6	45	8.8	
QD13/32-27/64-5/8-3D-CA	13/32~27/64	5/8	20	41.0	55.0	48	9.9	
QD7/16-15/32-5/8-3D-CA	7/16~15/32	5/8	20	45.0	60.3	48	10.7	
QD31/64-1/2-5/8-3D-CA	31/64~1/2	5/8	20	48.0	62.5	48	11.9	12-16.9
QD33/64-35/64-1/2-3D-CA	33/64~35/64	5/8	20	52.0	66.7	48	12.6	
QD9/16-37/64-1/2-3D-CA	9/16~37/64	5/8	25	55.5	68.9	48	13.8	
QD19/32-5/8-3/4-3D-CA	19/32~5/8	3/4	25	60.0	78.4	50	14.5	
QD41/64-21/32-3/4-3D-CA	41/64~21/32	3/4	25	63.0	79.0	50	15.6	
QD43/64-45/64-3/4-3D-CA	43/64~45/64	3/4	25	66.0	79.7	50	16.7	17-20.9
QD23/32-47/64-1-3D-CA	23/32~47/64	1	32	70.5	93.5	56	17.6	
QD3/8-25/32-1-3D-CA	3/8~25/32	1	32	75.0	97.2	56	18.4	
QD51/64-13/16-1-3D-CA	51/64~13/16	1	32	78.0	102.6	56	19.6	
QD53/64-55/64-1-3D-CA	53/64~55/64	1	32	82.0	106.9	56	20.4	21-26
QD7/8-57/64-1-3D-CA	7/8~57/64	1	32	85.8	108.2	56	21.6	
QD29/32-59/64-1 1/4-3D-CA	29/32~59/64	1 1/4	42	89.3	119.5	60	22.4	
QD61/64-31/32-1 1/4-3D-CA	61/64~1/32	1 1/4	42	93.3	122.9	60	23.6	
QD63/64-1-1 1/4-3D-CA	63/64~1	1 1/4	42	97.2	128.5	60	24.4	

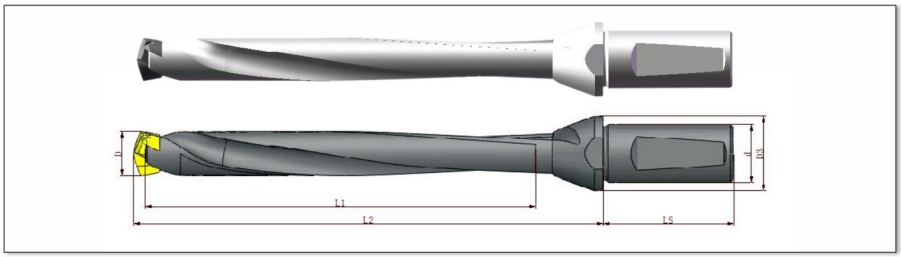
QD. . . -5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders





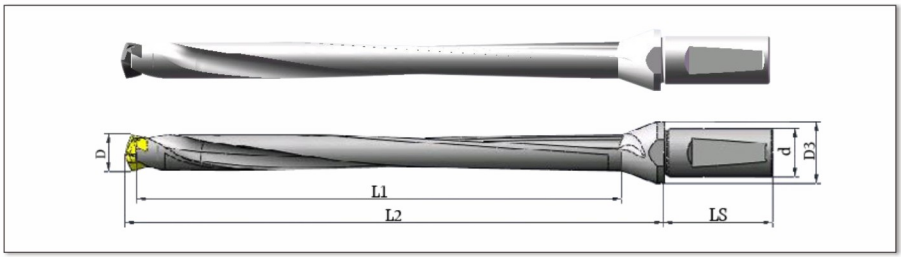
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
QD080/089-12-5D-CA	8.0~8.9	12	16	54.0	65.4	45	7.5	8-11.9
QD090/099-12-5D-CA	9.0~9.9	12	16	57.0	69.6	45	8.5	
QD100/109-16-5D-CA	10.0~10.9	16	20	63.0	78.0	48	9.5	
QD110/119-16-5D-CA	11.0~11.9	16	20	69.0	84.3	48	10.5	
QD120/129-16-5D-CA	12.0~12.9	16	20	75.0	89.5	48	11.5	12-16.9
QD130/139-16-5D-CA	13.0~13.9	16	20	80.0	94.7	48	12.5	
QD140/149-16-5D-CA	14.0~14.9	16	20	83.7	96.9	48	13.5	
QD150/159-20-5D-CA	15.0~15.9	20	25	92.0	110.4	50	14.5	
QD160/169-20-5D-CA	16.0~16.9	20	25	98.0	114.0	50	15.5	
QD170/179-20-5D-CA	17.0~17.9	20	25	103.4	122.7	50	16.5	17-20.9
QD180/189-25-5D-CA	18.0~18.9	25	32	109.3	132.0	56	17.5	
QD190/199-25-5D-CA	19.0~19.9	25	32	114.0	136.2	56	18.5	
QD200/209-25-5D-CA	20.0~20.9	25	32	120.0	144.6	56	19.5	
QD210/219-25-5D-CA	21.0~21.9	25	32	126.0	150.9	56	20.5	21-26
QD220/229-25-5D-CA	22.0~22.9	25	32	131.8	154.2	56	21.5	
QD230/239-32-5D-CA	23.0~23.9	32	42	137.0	167.5	60	22.5	
QD240/249-32-5D-CA	24.0~24.9	32	42	143.0	172.9	60	23.5	
QD250/260-32-5D-CA	25.0~26.0	32	42	149.2	180.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
QD5/16-11/32-1/2-5D-CA	5/16~11/32	1/2	16	54.0	65.4	45	7.5	8-11.9
QD23/64-25/64-1/2-5D-CA	23/64~25/64	1/2	16	57.0	69.6	45	8.8	
QD13/32-27/64-5/8-5D-CA	13/32~27/64	5/8	20	63.0	78.0	48	9.9	
QD7/16-15/32-5/8-5D-CA	7/16~15/32	5/8	20	69.0	84.3	48	10.7	
QD31/64-1/2-5/8-5D-CA	31/64~1/2	5/8	20	75.0	89.5	48	11.9	12-16.9
QD33/64-35/64-1/2-5D-CA	33/64~35/64	5/8	20	80.0	94.7	48	12.6	
QD9/16-37/64-1/2-5D-CA	9/16~37/64	5/8	25	83.7	96.9	48	13.8	
QD19/32-5/8-3/4-5D-CA	19/32~5/8	3/4	25	92.0	110.4	50	14.5	
QD41/64-21/32-3/4-5D-CA	41/64~21/32	3/4	25	98.0	114.0	50	15.6	
QD43/64-45/64-3/4-5D-CA	43/64~45/64	3/4	25	103.4	122.7	50	16.7	17-20.9
QD23/32-47/64-1-5D-CA	23/32~47/64	1	32	109.3	132.0	56	17.6	
QD3/8-25/32-1-5D-CA	3/8~25/32	1	32	114.0	136.2	56	18.4	
QD51/64-13/16-1-5D-CA	51/64~13/16	1	32	120.0	144.6	56	19.6	
QD53/64-55/64-1-5D-CA	53/64~55/64	1	32	126.0	150.9	56	20.4	21-26
QD7/8-57/64-1-5D-CA	7/8~57/64	1	32	131.8	154.2	56	21.6	
QD29/32-59/64-1 1/4-5D-CA	29/32~59/64	1 1/4	42	137.0	167.5	60	22.4	
QD61/64-31/32-1 1/4-5D-CA	61/64~1/32	1 1/4	42	143.0	172.9	60	23.6	
QD63/64-1-1 1/4-5D-CA	63/64~1	1 1/4	42	149.2	180.5	60	24.4	

QD. . . -8D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
QD080/089-12-8D-CA	8.0~8.9	12	16	82.0	93.4	45	7.5	8-11.9
QD090/099-12-8D-CA	9.0~9.9	12	16	87.0	99.0	45	8.5	
QD100/109-16-8D-CA	10.0~10.9	16	20	96.0	110.0	48	9.5	
QD110/119-16-8D-CA	11.0~11.9	16	20	105.0	120.3	48	10.5	
QD120/129-16-8D-CA	12.0~12.9	16	20	114.0	128.0	48	11.5	12-16.9
QD130/139-16-8D-CA	13.0~13.9	16	20	122.0	136.7	48	12.5	
QD140/149-16-8D-CA	14.0~14.9	16	20	130.5	143.9	48	13.5	
QD150/159-20-8D-CA	15.0~15.9	20	25	140.0	158.4	50	14.5	
QD160/169-20-8D-CA	16.0~16.9	20	25	148.0	164.0	50	15.5	
QD170/179-20-8D-CA	17.0~17.9	20	25	157.0	176.7	50	16.5	17-20.9
QD180/189-25-8D-CA	18.0~18.9	25	32	166.0	189.0	56	17.5	
QD190/199-25-8D-CA	19.0~19.9	25	32	174.0	196.2	56	18.5	
QD200/209-25-8D-CA	20.0~20.9	25	32	183.0	207.6	56	19.5	
QD210/219-25-8D-CA	21.0~21.9	25	32	192.0	216.9	56	20.5	21-26
QD220/229-25-8D-CA	22.0~22.9	25	32	201.0	223.2	56	21.5	
QD230/239-32-8D-CA	23.0~23.9	32	42	208.0	238.5	60	22.5	
QD240/249-32-8D-CA	24.0~24.9	32	42	217.9	247.9	60	23.5	
QD250/260-32-8D-CA	25.0~26.0	32	42	227.0	258.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
QD5/16-11/32-1/2-8D-CA	5/16~11/32	1/2	16	82.0	93.4	45	7.5	8-11.9
QD23/64-25/64-1/2-8D-CA	23/64~25/64	1/2	16	87.0	99.0	45	8.8	
QD13/32-27/64-5/8-8D-CA	13/32~27/64	5/8	20	96.0	110.0	48	9.9	
QD7/16-15/32-5/8-8D-CA	7/16~15/32	5/8	20	105.0	120.3	48	10.7	
QD31/64-1/2-5/8-8D-CA	31/64~1/2	5/8	20	114.0	128.0	48	11.9	12-16.9
QD33/64-35/64-1/2-8D-CA	33/64~35/64	5/8	20	122.0	136.7	48	12.6	
QD9/16-37/64-1/2-8D-CA	9/16~37/64	5/8	25	130.5	143.9	48	13.8	
QD19/32-5/8-3/4-8D-CA	19/32~5/8	3/4	25	140.0	158.4	50	14.5	
QD41/64-21/32-3/4-8D-CA	41/64~21/32	3/4	25	148.0	164.0	50	15.6	
QD43/64-45/64-3/4-8D-CA	43/64~45/64	3/4	25	157.0	176.7	50	16.7	17-20.9
QD23/32-47/64-1-8D-CA	23/32~47/64	1	32	166.0	189.0	56	17.6	
QD3/8-25/32-1-8D-CA	3/8~25/32	1	32	174.0	196.2	56	18.4	
QD51/64-13/16-1-8D-CA	51/64~13/16	1	32	183.0	207.6	56	19.6	
QD53/64-55/64-1-8D-CA	53/64~55/64	1	32	192.0	216.9	56	20.4	21-26
QD7/8-57/64-1-8D-CA	7/8~57/64	1	32	201.0	223.2	56	21.6	
QD29/32-59/64-1 1/4-8D-CA	29/32~59/64	1 1/4	42	208.0	238.5	60	22.4	
QD61/64-31/32-1 1/4-8D-CA	61/64~1/32	1 1/4	42	217.9	247.9	60	23.6	
QD63/64-1-1 1/4-8D-CA	63/64~1	1 1/4	42	227.0	258.5	60	24.4	

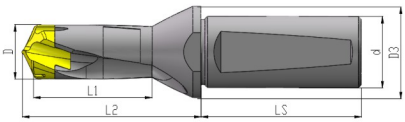
QD. . . -12D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
QD120/12916-12D-CA	12.0~12.9	16	20	166.0	179.5	48	11.5	12-16.9
QD130/139-16-12D-CA	13.0~13.9	16	20	178.0	192.6	48	12.5	
QD140/149-16-12D-CA	14.0~14.9	16	20	190.6	203.9	48	13.5	
QD150/159-20-12D-CA	15.0~15.9	20	20	204.0	222.4	50	14.5	
QD160/169-20-12D-CA	16.0~16.9	20	20	216.0	232.0	50	15.5	
QD170/179-20-12D-CA	17.0~17.9	20	20	229.0	248.7	50	16.5	17-20.9
QD180/189-25-12D-CA	18.0~18.9	25	32	242.0	265.0	56	17.5	
QD190/199-25-12D-CA	19.0~19.9	25	32	254.0	276.2	56	18.5	
QD200/209-25-12D-CA	20.0~20.9	25	32	267.0	291.6	56	19.5	
QD210/219-25-12D-CA	21.0~21.9	25	32	280.0	304.9	56	20.5	21-26
QD220/229-25-12D-CA	22.0~22.9	25	32	293.0	315.2	56	21.5	
QD230/239-32-12D-CA	23.0~23.9	32	42	305.0	334.5	60	22.5	
QD240/249-32-12D-CA	24.0~24.9	32	42	318.0	347.9	60	23.5	
QD250/260-32-12D-CA	25.0~26.0	32	42	331.0		60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
QD31/64-1/2-5/8-12D-CA	31/64~1/2	5/8	20	166.0	179.5	48	11.9	12-16.9
QD33/64-35/64-1/2-12D-CA	33/64~35/64	5/8	20	178.0	192.6	48	12.6	
QD9/16-37/64-1/2-12D-CA	9/16~37/64	5/8	25	190.6	203.9	48	13.8	
QD19/32-5/8-3/4-12D-CA	19/32~5/8	3/4	25	204.0	222.4	50	14.5	
QD41/64-21/32-3/4-12D-CA	41/64~21/32	3/4	25	216.0	232.0	50	15.6	
QD43/64-45/64-3/4-12D-CA	43/64~45/64	3/4	25	229.0	248.7	50	16.7	17-20.9
QD23/32-47/64-1-12D-CA	23/32~47/64	1	32	242.0	265.0	56	17.6	
QD3/8-25/32-1-12D-CA	3/8~25/32	1	32	254.0	276.2	56	18.4	
QD51/64-13/16-1-12D-CA	51/64~13/16	1	32	267.0	291.6	56	19.6	
QD53/64-55/64-1-12D-CA	53/64~55/64	1	32	280.0	304.9	56	20.4	21-26
QD7/8-57/64-1-12D-CA	7/8~57/64	1	32	293.0	315.2	56	21.6	
QD29/32-59/64-1 1/4-12D-CA	29/32~59/64	1 1/4	42	305.0	334.5	60	22.4	
QD61/64-31/32-1 1/4-12D-CA	61/64~1/32	1 1/4	42	318.0	347.9	60	23.6	
QD63/64-1-1 1/4-12D-CA	63/64~1	1 1/4	42	331.0	362.5	60	24.4	

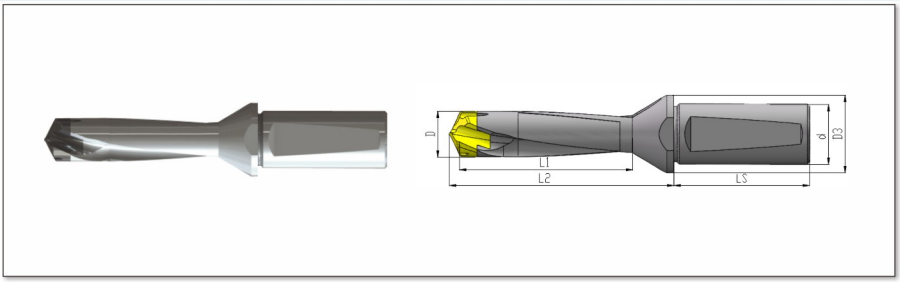
FD. . . -1. 5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders





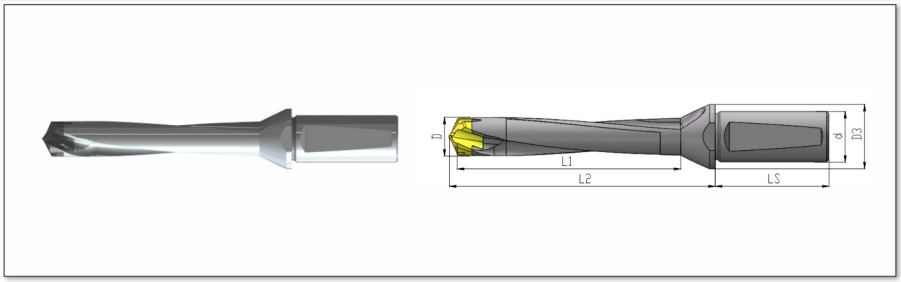
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
FD080/089-12-1.5D-CA	8.0~8.9	12	16	23.4	34.4	45	7.5	8-11.9
FD090/099-12-1.5D-CA	9.0~9.9	12	16	24.0	36.8	45	8.5	
FD100/109-16-1.5D-CA	10.0~10.9	16	20	25.0	39.0	48	9.5	
FD110/119-16-1.5D-CA	11.0~11.9	16	20	27.0	42.3	48	10.5	
FD120/129-16-1.5D-CA	12.0~12.9	16	20	29.0	43.5	48	11.5	12-16.9
FD130/139-16-1.5D-CA	13.0~13.9	16	20	31.0	45.7	48	12.5	
FD140/149-16-1.5D-CA	14.0~14.9	16	20	33.0	46.9	48	13.5	
FD150/159-20-1.5D-CA	15.0~15.9	20	25	36.0	54.4	50	14.5	
FD160/169-20-1.5D-CA	16.0~16.9	20	25	38.0	54.0	50	15.5	
FD170/179-20-1.5D-CA	17.0~17.9	20	25	40.4	59.7	50	16.5	17-20.9
FD180/189-25-1.5D-CA	18.0~18.9	25	32	42.0	65.0	56	17.5	
FD190/199-25-1.5D-CA	19.0~19.9	25	32	44.0	66.2	56	18.5	
FD200/209-25-1.5D-CA	20.0~20.9	25	32	47.0	71.6	56	19.5	
FD210/219-25-1.5D-CA	21.0~21.9	25	32	49.0	73.9	56	20.5	21-26
FD220/229-25-1.5D-CA	22.0~22.9	25	32	50.8	73.2	56	21.5	
FD230/239-32-1.5D-CA	23.0~23.9	32	42	53.0	82.5	60	22.5	
FD240/249-32-1.5D-CA	24.0~24.9	32	42	55.3	84.9	60	23.5	
FD250/260-32-1.5D-CA	25.0~26.0	32	42	58.0	89.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
FD5/16-11/32-1/2-1.5D-CA	5/16~11/32	1/2	16	23.4	34.4	45	7.5	8-11.9
FD23/64-25/64-1/2-1.5D-CA	23/64~25/64	1/2	16	24.0	36.8	45	8.8	
FD13/32-27/64-5/8-1.5D-CA	13/32~27/64	5/8	20	25.0	39.0	48	9.9	
FD7/16-15/32-5/8-1.5D-CA	7/16~15/32	5/8	20	27.0	42.3	48	10.7	
FD31/64-1/2-5/8-1.5D-CA	31/64~1/2	5/8	20	29.0	43.5	48	11.9	12-16.9
FD33/64-35/64-1/2-1.5D-CA	33/64~35/64	5/8	20	31.0	45.7	48	12.6	
FD9/16-37/64-1/2-1.5D-CA	9/16~37/64	5/8	25	33.0	46.9	48	13.8	
FD19/32-5/8-3/4-1.5D-CA	19/32~5/8	3/4	25	36.0	54.4	50	14.5	
FD41/64-21/32-3/4-1.5D-CA	41/64~21/32	3/4	25	38.0	54.0	50	15.6	
FD43/64-45/64-3/4-1.5D-CA	43/64~45/64	3/4	25	40.4	59.7	50	16.7	17-20.9
FD23/32-47/64-1-1.5D-CA	23/32~47/64	1	32	42.0	65.0	56	17.6	
FD3/8-25/32-1-1.5D-CA	3/8~25/32	1	32	44.0	66.2	56	18.4	
FD51/64-13/16-1-1.5D-CA	51/64~13/16	1	32	47.0	71.6	56	19.6	
FD53/64-55/64-1-1.5D-CA	53/64~55/64	1	32	49.0	73.9	56	20.4	21-26
FD7/8-57/64-1-1.5D-CA	7/8~57/64	1	32	50.8	73.2	56	21.6	
FD29/32-59/64-1 1/4-1.5D-CA	29/32~59/64	1 1/4	42	53.0	82.5	60	22.4	
FD61/64-31/32-1 1/4-1.5D-CA	61/64~1/32	1 1/4	42	55.3	84.9	60	23.6	
FD63/64-1-1 1/4-1.5D-CA	63/64~1	1 1/4	42	58.0	89.5	60	24.4	

FD. . . –3D–CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



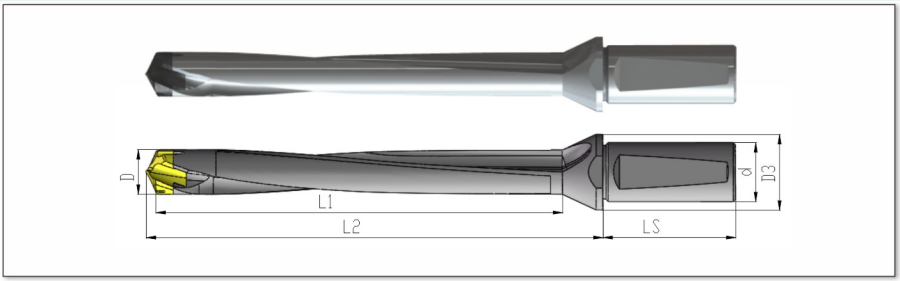
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
FD080/089-12-3D-CA	8.0~8.9	12	16	36.0	47.4	45	7.5	8-11.9
FD090/099-12-3D-CA	9.0~9.9	12	16	37.0	49.6	45	8.5	
FD100/109-16-3D-CA	10.0~10.9	16	20	41.0	55.0	48	9.5	
FD110/119-16-3D-CA	11.0~11.9	16	20	45.0	60.3	48	10.5	
FD120/129-16-3D-CA	12.0~12.9	16	20	48.0	62.5	48	11.5	12-16.9
FD130/139-16-3D-CA	13.0~13.9	16	20	52.0	66.7	48	12.5	
FD140/149-16-3D-CA	14.0~14.9	16	20	55.5	68.9	48	13.5	
FD150/159-20-3D-CA	15.0~15.9	20	25	60.0	78.4	50	14.5	
FD160/169-20-3D-CA	16.0~16.9	20	25	63.0	79.0	50	15.5	
FD170/179-20-3D-CA	17.0~17.9	20	25	66.0	79.7	50	16.5	17-20.9
FD180/189-25-3D-CA	18.0~18.9	25	32	70.5	93.5	56	17.5	
FD190/199-25-3D-CA	19.0~19.9	25	32	75.0	97.2	56	18.5	
FD200/209-25-3D-CA	20.0~20.9	25	32	78.0	102.6	56	19.5	
FD210/219-25-3D-CA	21.0~21.9	25	32	82.0	106.9	56	20.5	21-26
FD220/229-25-3D-CA	22.0~22.9	25	32	85.8	108.2	56	21.5	
FD230/239-32-3D-CA	23.0~23.9	32	42	89.3	119.5	60	22.5	
FD240/249-32-3D-CA	24.0~24.9	32	42	93.3	122.9	60	23.5	
FD250/260-32-3D-CA	25.0~26.0	32	42	97.2	128.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
FD5/16-11/32-1/2-3D-CA	5/16~11/32	1/2	16	36.0	47.4	45	7.5	8-11.9
FD23/64-25/64-1/2-3D-CA	23/64~25/64	1/2	16	37.0	49.6	45	8.8	
FD13/32-27/64-5/8-3D-CA	13/32~27/64	5/8	20	41.0	55.0	48	9.9	
FD7/16-15/32-5/8-3D-CA	7/16~15/32	5/8	20	45.0	60.3	48	10.7	
FD31/64-1/2-5/8-3D-CA	31/64~1/2	5/8	20	48.0	62.5	48	11.9	12-16.9
FD33/64-35/64-1/2-3D-CA	33/64~35/64	5/8	20	52.0	66.7	48	12.6	
FD9/16-37/64-1/2-3D-CA	9/16~37/64	5/8	25	55.5	68.9	48	13.8	
FD19/32-5/8-3/4-3D-CA	19/32~5/8	3/4	25	60.0	78.4	50	14.5	
FD41/64-21/32-3/4-3D-CA	41/64~21/32	3/4	25	63.0	79.0	50	15.6	
FD43/64-45/64-3/4-3D-CA	43/64~45/64	3/4	25	66.0	79.7	50	16.7	17-20.9
FD23/32-47/64-1-3D-CA	23/32~47/64	1	32	70.5	93.5	56	17.6	
FD3/8-25/32-1-3D-CA	3/8~25/32	1	32	75.0	97.2	56	18.4	
FD51/64-13/16-1-3D-CA	51/64~13/16	1	32	78.0	102.6	56	19.6	
FD53/64-55/64-1-3D-CA	53/64~55/64	1	32	82.0	106.9	56	20.4	21-26
FD7/8-57/64-1-3D-CA	7/8~57/64	1	32	85.8	108.2	56	21.6	
FD29/32-59/64-1 1/4-3D-CA	29/32~59/64	1 1/4	42	89.3	119.5	60	22.4	
FD61/64-31/32-1 1/4-3D-CA	61/64~1/32	1 1/4	42	93.3	122.9	60	23.6	
FD63/64-1-1 1/4-3D-CA	63/64~1	1 1/4	42	97.2	128.5	60	24.4	

FD. . . -5D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



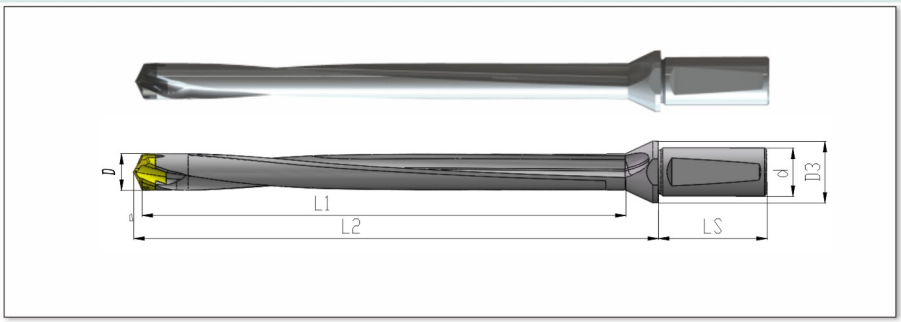
订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
FD080/089-12-5D-CA	8.0~8.9	12	16	54.0	65.4	45	7.5	8-11.9
FD090/099-12-5D-CA	9.0~9.9	12	16	57.0	69.6	45	8.5	
FD100/109-16-5D-CA	10.0~10.9	16	20	63.0	78.0	48	9.5	
FD110/119-16-5D-CA	11.0~11.9	16	20	69.0	84.3	48	10.5	
FD120/129-16-5D-CA	12.0~12.9	16	20	75.0	89.5	48	11.5	12-16.9
FD130/139-16-5D-CA	13.0~13.9	16	20	80.0	94.7	48	12.5	
FD140/149-16-5D-CA	14.0~14.9	16	20	83.7	96.9	48	13.5	
FD150/159-20-5D-CA	15.0~15.9	20	25	92.0	110.4	50	14.5	
FD160/169-20-5D-CA	16.0~16.9	20	25	98.0	114.0	50	15.5	
FD170/179-20-5D-CA	17.0~17.9	20	25	103.4	122.7	50	16.5	17-20.9
FD180/189-25-5D-CA	18.0~18.9	25	32	109.3	132.0	56	17.5	
FD190/199-25-5D-CA	19.0~19.9	25	32	114.0	136.2	56	18.5	
FD200/209-25-5D-CA	20.0~20.9	25	32	120.0	144.6	56	19.5	
FD210/219-25-5D-CA	21.0~21.9	25	32	126.0	150.9	56	20.5	21-26
FD220/229-25-5D-CA	22.0~22.9	25	32	131.8	154.2	56	21.5	
FD230/239-32-5D-CA	23.0~23.9	32	42	137.0	167.5	60	22.5	
FD240/249-32-5D-CA	24.0~24.9	32	42	143.0	172.9	60	23.5	
FD250/260-32-5D-CA	25.0~26.0	32	42	149.2	180.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
FD5/16-11/32-1/2-5D-CA	5/16~11/32	1/2	16	54.0	65.4	45	7.5	8~11.9
FD23/64-25/64-1/2-5D-CA	23/64~25/64	1/2	16	57.0	69.6	45	8.8	
FD13/32-27/64-5/8-5D-CA	13/32~27/64	5/8	20	63.0	78.0	48	9.9	
FD7/16-15/32-5/8-5D-CA	7/16~15/32	5/8	20	69.0	84.3	48	10.7	
FD31/64-1/2-5/8-5D-CA	31/64~1/2	5/8	20	75.0	89.5	48	11.9	12-16.9
FD33/64-35/64-1/2-5D-CA	33/64~35/64	5/8	20	80.0	94.7	48	12.6	
FD9/16-37/64-1/2-5D-CA	9/16~37/64	5/8	25	83.7	96.9	48	13.8	
FD19/32-5/8-3/4-5D-CA	19/32~5/8	3/4	25	92.0	110.4	50	14.5	
FD41/64-21/32-3/4-5D-CA	41/64~21/32	3/4	25	98.0	114.0	50	15.6	
FD43/64-45/64-3/4-5D-CA	43/64~45/64	3/4	25	103.4	122.7	50	16.7	17-20.9
FD23/32-47/64-1-5D-CA	23/32~47/64	1	32	109.3	132.0	56	17.6	
FD3/8-25/32-1-5D-CA	3/8~25/32	1	32	114.0	136.2	56	18.4	
FD51/64-13/16-1-5D-CA	51/64~13/16	1	32	120.0	144.6	56	19.6	
FD53/64-55/64-1-5D-CA	53/64~55/64	1	32	126.0	150.9	56	20.4	21-26
FD7/8-57/64-1-5D-CA	7/8~57/64	1	32	131.8	154.2	56	21.6	
FD29/32-59/64-1 1/4-5D-CA	29/32~59/64	1 1/4	42	137.0	167.5	60	22.4	
FD61/64-31/32-1 1/4-5D-CA	61/64~1/32	1 1/4	42	143.0	172.9	60	23.6	
FD63/64-1-1 1/4-5D-CA	63/64~1	1 1/4	42	149.2	180.5	60	24.4	

FD. . . -8D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
FD080/089-12-8D-CA	8.0~8.9	12	16	82.0	93.4	45	7.5	8-11.9
FD090/099-12-8D-CA	9.0~9.9	12	16	87.0	99.0	45	8.5	
FD100/109-16-8D-CA	10.0~10.9	16	20	96.0	110.0	48	9.5	
FD110/119-16-8D-CA	11.0~11.9	16	20	105.0	120.3	48	10.5	
FD120/129-16-8D-CA	12.0~12.9	16	20	114.0	128.0	48	11.5	12-16.9
FD130/139-16-8D-CA	13.0~13.9	16	20	122.0	136.7	48	12.5	
FD140/149-16-8D-CA	14.0~14.9	16	20	130.5	143.9	48	13.5	
FD150/159-20-8D-CA	15.0~15.9	20	25	140.0	158.4	50	14.5	
FD160/169-20-8D-CA	16.0~16.9	20	25	148.0	164.0	50	15.5	
FD170/179-20-8D-CA	17.0~17.9	20	25	157.0	176.7	50	16.5	17-20.9
FD180/189-25-8D-CA	18.0~18.9	25	32	166.0	189.0	56	17.5	
FD190/199-25-8D-CA	19.0~19.9	25	32	174.0	196.2	56	18.5	
FD200/209-25-8D-CA	20.0~20.9	25	32	183.0	207.6	56	19.5	
FD210/219-25-8D-CA	21.0~21.9	25	32	192.0	216.9	56	20.5	21-26
FD220/229-25-8D-CA	22.0~22.9	25	32	201.0	223.2	56	21.5	
FD230/239-32-8D-CA	23.0~23.9	32	42	208.0	238.5	60	22.5	
FD240/249-32-8D-CA	24.0~24.9	32	42	217.9	247.9	60	23.5	
FD250/260-32-8D-CA	25.0~26.0	32	42	227.0	258.5	60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
FD5/16-11/32-1/2-8D-CA	5/16~11/32	1/2	16	82.0	93.4	45	7.5	8-11.9
FD23/64-25/64-1/2-8D-CA	23/64~25/64	1/2	16	87.0	99.0	45	8.8	
FD13/32-27/64-5/8-8D-CA	13/32~27/64	5/8	20	96.0	110.0	48	9.9	
FD7/16-15/32-5/8-8D-CA	7/16~15/32	5/8	20	105.0	120.3	48	10.7	
FD31/64-1/2-5/8-8D-CA	31/64~1/2	5/8	20	114.0	128.0	48	11.9	12-16.9
FD33/64-35/64-1/2-8D-CA	33/64~35/64	5/8	20	122.0	136.7	48	12.6	
FD9/16-37/64-1/2-8D-CA	9/16~37/64	5/8	25	130.5	143.9	48	13.8	
FD19/32-5/8-3/4-8D-CA	19/32~5/8	3/4	25	140.0	158.4	50	14.5	
FD41/64-21/32-3/4-8D-CA	41/64~21/32	3/4	25	148.0	164.0	50	15.6	
FD43/64-45/64-3/4-8D-CA	43/64~45/64	3/4	25	157.0	176.7	50	16.7	17-20.9
FD23/32-47/64-1-8D-CA	23/32~47/64	1	32	166.0	189.0	56	17.6	
FD3/8-25/32-1-8D-CA	3/8~25/32	1	32	174.0	196.2	56	18.4	
FD51/64-13/16-1-8D-CA	51/64~13/16	1	32	183.0	207.6	56	19.6	
FD53/64-55/64-1-8D-CA	53/64~55/64	1	32	192.0	216.9	56	20.4	21-26
FD7/8-57/64-1-8D-CA	7/8~57/64	1	32	201.0	223.2	56	21.6	
FD29/32-59/64-1 1/4-8D-CA	29/32~59/64	1 1/4	42	208.0	238.5	60	22.4	
FD61/64-31/32-1 1/4-8D-CA	61/64~1/32	1 1/4	42	217.9	247.9	60	23.6	
FD63/64-1-1 1/4-8D-CA	63/64~1	1 1/4	42	227.0	258.5	60	24.4	

FD. . . -12D-CA Mono Tip 系列快钻刀体 Mono Tip Line Toolholders



订货号 Order No.	刀头直径范围 Applicable cutting head Dia.(mm)	尺寸 Dimensions(mm)						锁紧钥匙 Wrench
		d	D3	L1	L2	Ls	D	
FD120/12916-12D-CA	12.0~12.9	16	20	166.0	179.5	48	11.5	12-16.9
FD130/139-16-12D-CA	13.0~13.9	16	20	178.0	192.6	48	12.5	
FD140/149-16-12D-CA	14.0~14.9	16	20	190.6	203.9	48	13.5	
FD150/159-20-12D-CA	15.0~15.9	20	20	204.0	222.4	50	14.5	
FD160/169-20-12D-CA	16.0~16.9	20	20	216.0	232.0	50	15.5	
FD170/179-20-12D-CA	17.0~17.9	20	20	229.0	248.7	50	16.5	17-20.9
FD180/189-25-12D-CA	18.0~18.9	25	32	242.0	265.0	56	17.5	
FD190/199-25-12D-CA	19.0~19.9	25	32	254.0	276.2	56	18.5	
FD200/209-25-12D-CA	20.0~20.9	25	32	267.0	291.6	56	19.5	
FD210/219-25-12D-CA	21.0~21.9	25	32	280.0	304.9	56	20.5	21-26
FD220/229-25-12D-CA	22.0~22.9	25	32	293.0	315.2	56	21.5	
FD230/239-32-12D-CA	23.0~23.9	32	42	305.0	334.5	60	22.5	
FD240/249-32-12D-CA	24.0~24.9	32	42	318.0	347.9	60	23.5	
FD250/260-32-12D-CA	25.0~26.0	32	42	331.0		60	24.5	
inch	**inch**	**inch**	**mm**	**mm**	**mm**	**mm**	**mm**	
FD31/64-1/2-5/8-12D-CA	31/64~1/2	5/8	20	166.0	179.5	48	11.9	12-16.9
FD33/64-35/64-1/2-12D-CA	33/64~35/64	5/8	20	178.0	192.6	48	12.6	
FD9/16-37/64-1/2-12D-CA	9/16~37/64	5/8	25	190.6	203.9	48	13.8	
FD19/32-5/8-3/4-12D-CA	19/32~5/8	3/4	25	204.0	222.4	50	14.5	
FD41/64-21/32-3/4-12D-CA	41/64~21/32	3/4	25	216.0	232.0	50	15.6	
FD43/64-45/64-3/4-12D-CA	43/64~45/64	3/4	25	229.0	248.7	50	16.7	17-20.9
FQD3/8-25/32-1-12D-CA	23/32~47/64	1	32	242.0	265.0	56	17.6	
FD51/64-13/16-1-12D-CA	3/8~25/32	1	32	254.0	276.2	56	18.4	
FD53/64-55/64-1-12D-CA	51/64~13/16	1	32	267.0	291.6	56	19.6	
FD7/8-57/64-1-12D-CA	53/64~55/64	1	32	280.0	304.9	56	20.4	21-26
FD29/32-59/64-1 1/4-12D-CA	7/8~57/64	1	32	293.0	315.2	56	21.6	
FD61/64-31/32-1 1/4-12D-CA	29/32~59/64	1 1/4	42	305.0	334.5	60	22.4	
FD63/64-1-1 1/4-12D-CA	61/64~1/32	1 1/4	42	318.0	347.9	60	23.6	
	63/64~1	1 1/4	42	331.0	362.5	60	24.4	

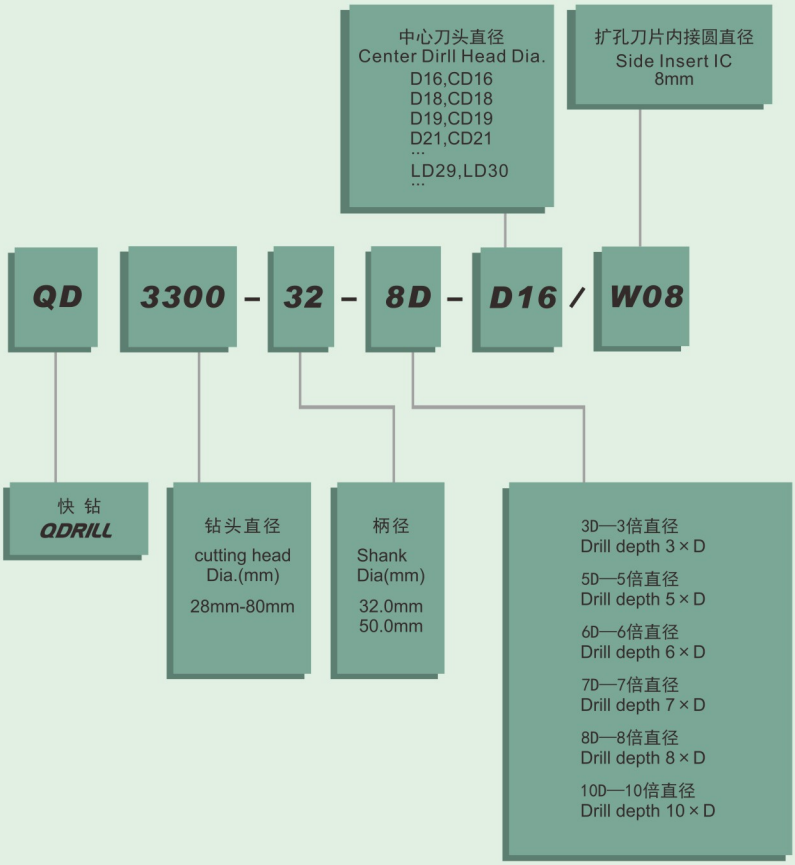
Mono Tip系列推荐的切削参数 Technical Information

ISO	被加工材料 materials	条件 heat treatment		拉伸力 (N/mm2) drawing force	布式硬度 (HB) hardness	切削速度 Vc(m/min) cutting speed	进给(mm/rev) Feed rate(mm/rev)					
							D<10	D=10~11.9	D=12~13.9	D=14~15.9	D=16~19.9	D=20~25.9
P	非合金钢 unalloy steel	<0.25% C	退火 annealed	420	125	80~140						
	铸铁 cast iron	>=0.25% C	退火 annealed	650	190	80~130	0.12	0.15	0.18	0.20	0.25	0.25
	易切削钢 free cutting steel	<0.55% C	退火和调质 annealing and tempering	850	250	80~120	0.17	0.21	0.24	0.27	0.35	0.35
		>=0.55% C	退火 annealed	750	220	70~110	0.22	0.28	0.30	0.35	0.45	0.45
			退火和调质 annealing and tempering	1000	300	50~90						
	低碳合金钢, low carbon steel		退火 annealed	600	200	70~120	0.12	0.14	0.16	0.18	0.23	0.25
	铸钢(合金成分低于5%) cast iron(alloy compostion<5%)		退火和调质 annealing and tempering	930	275	70~110	0.18	0.21	0.24	0.26	0.31	0.35
				1000	300	50~90	0.25	0.28	0.32	0.35	0.40	0.45
				1200	350	40~70						
	高合金钢,铸钢 high alloy steel,cast iron		退火 annealed	680	200	50~90	0.12	0.12	0.15	0.18	0.20	0.22
	工具钢 tool steel		退火和调质 annealing and tempering	1100	325	40~80	0.16	0.17	0.20	0.23	0.25	0.27
M	不锈钢,铸钢 stainless steel cast iron		铁素体/马氏体 ferritic/martensite	680	200	40~70	0.20	0.22	0.25	0.28	0.30	0.33
			马氏体 martensite	820	240	40~70	0.10	0.12	0.14	0.16	0.16	0.18
			奥氏体 austenitic	600	180	30~70	0.12	0.15	0.17	0.20	0.21	0.24
K	灰铸铁(GG) gray cast iron		铁素体 ferritic		160	90~160						
			珠光体 pearlitic		250	80~140	0.15	0.18	0.20	0.24	0.26	0.30
	球墨铸铁(GGG) nodular SG iron		铁素体 ferritic		180	90~180	0.15	0.20	0.25	0.30	0.35	0.35
			珠光体 pearlitic		260	80~140	0.22	0.27	0.32	0.37	0.45	0.37
	可锻铸铁 malleable cast iron		铁素体 ferritic		130	90~160	0.30	0.35	0.40	0.45	0.55	0.60
			珠光体 pearlitic		230	80~140						
N	锻铝合金 cast aluminium alloy		未固化 unsolidification		60	90~220						
			固化 solidification		100	90~220						
	铸铝合金 cast aluminium alloy	<=12% Si	未固化 unsolidification		75	90~220	0.20	0.25	0.30	0.35	0.40	0.45
			固化 solidification		90	90~220	0.27	0.32	0.37	0.42	0.50	0.57
		>12% Si	高温处理 high temperature treatment		130	80~160	0.35	0.40	0.45	0.50	0.60	0.70
	铜合金 copper alloy	>1% Pb	易切 free cutting		110	90~220						
			黄铜 copper		90	90~220						
			电解铜 cathode copper		100	90~220						
	非铁金属 non-metallic material		塑料纤维 plastic fiber									
			硬橡胶 hard rubber									
S	高温合金 high temperature alloys	铁基 iron-base	退火 annealed			30~60	0.06	0.08	0.10	0.12	0.12	0.14
			固化 solidification		200	20~50	0.08	0.10	0.12	0.15	0.16	0.18
		镍基或 nickelbase	退火 annealed		280	20~50	0.11	0.13	0.15	0.18	0.20	0.22
			固化 solidification		250	20~50	0.06	0.08	0.10	0.12	0.14	0.16
		钴基 cobolt base	Cast		350	20~50	0.09	0.11	0.14	0.16	0.18	0.20
	钛,钛合金 titanium,titanium alloys			Rm400	320	20~50	0.12	0.15	0.18	0.20	0.22	0.25
			$\alpha+\beta$ 合金固化 $\alpha+\beta$ alloys	RM1050		20~50	0.06	0.08	0.10	0.12	0.14	0.16
H	高硬钢 hard steel		淬硬 harden		55HRC	20~50	0.09	0.11	0.14	0.16	0.18	0.20
			淬硬 harden		60HRC	20~50	0.12	0.15	0.18	0.20	0.22	0.25
	冷硬铸铁 chilled cast iron		铸造 cast		400							
	铸铁 cast iron		淬硬 harden		55HRC							

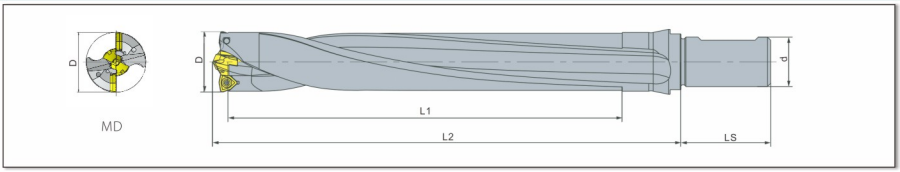
* 如果选用超过8倍径的刀体请降低切削速度和进给率

* Lower cutting speed and feed rate should be used for tool holders of 8D or 12D

Multi Tip系列整体式复合钻头刀体编码系统 Multi Tip Line Solid Toolholder code system

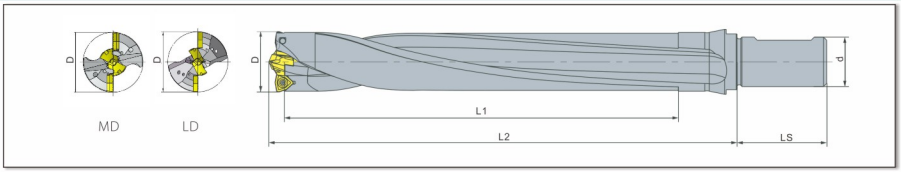


QD. . . -3D...-D... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



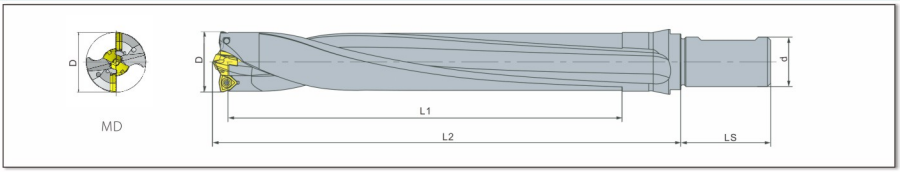
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-3D-D14/A04	MD-140-RA	AOMT040308	32	84	118	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-3D-D15/A04	MD-150-RA	AOMT040308	32	86	120	60	28.58			
QD2900-32-3D-D16/A04	MD-160-RA	AOMT040308	32	87	121	60	29			
QD2936-32-3D-D16/A04	MD-160-RA	AOMT040308	32	89	123	60	29.36			
QD3000-32-3D-D16/A04	MD-160-RA	AOMT040308	32	90	125	60	30			
QD3018-32-3D-D18/A04	MD-180-RA	AOMT040308	32	91	126	60	30.18	Key17-19.9		
QD3096-32-3D-D18/A04	MD-180-RA	AOMT040308	32	93	128	60	30.96			
QD3100-32-3D-D18/A04	MD-180-RA	AOMT040308	32	94	129	60	31			
QD3175-32-3D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	96	133	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-3D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	97	134	60	32			
QD3300-32-3D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	99	136	60	33			
QD3320-32-3D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	100	137	60	33.2			
QD3335-32-3D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	101	138	60	33.35			
QD3400-32-3D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	102	139	60	34			
QD3493-32-3D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	105	142	60	34.93	Key17-19.9		
QD3500-32-3D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	106	144	60	35			
QD3600-32-3D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	108	146	60	36			
QD3653-32-3D-D19/W08	MD-190-RA	WOMT080308-...-D33	32	110	148	60	36.53			
QD3700-32-3D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	111	149	60	37	Key14-16.9	M4X10	T15
QD3750-32-3D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	113	151	60	37.5			
QD3800-32-3D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	114	154	60	38			
QD3810-32-3D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	115	155	60	38.1			
QD3900-32-3D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	117	157	60	39	Key17-19.9		
QD3920-32-3D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	118	158	60	39.2			
QD3970-32-3D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	120	160	60	39.7			
QD4000-32-3D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	121	164	60	40			
QD4100-32-3D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	123	166	60	41			
QD4128-32-3D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	124	167	60	41.28			
QD4200-50-3D-D19/W10	MD-190-RA	WOMT120408-...-D42	50	126	170	80	42			
QD4300-50-3D-D16/W12	MD-160-RA	WOMT120408-...-D42	50	129	173	80	43	Key14-16.9		
QD4400-50-3D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	132	176	80	44	Key17-19.9		
QD4445-50-3D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	134	178	80	44.45			
QD4500-50-3D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	135	179	80	45			
QD4600-50-3D-D19/W12	MD-190-RA	WOMT120408-...-D42	50	138	182	80	46			
QD4700-50-3D-D20/W12	MD-200-RA	WOMT120408-...-D42	50	141	185	80	47			
QD4763-50-3D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	143	187	80	47.63	Key20-26.9		
QD4800-50-3D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	144	189	80	48			
QD4900-50-3D-D22/W12	MD-220-RA	WOMT120408-...-D42	50	147	192	80	49			
QD5000-50-3D-D23/W12	MD-230-RA	WOMT120408-...-D42	50	150	195	80	50			
QD5080-50-3D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	153	198	80	50.8			
QD5100-50-3D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	154	199	80	51			
QD5200-50-3D-D25/W12	MD-250-RA	WOMT120408-...-D42	50	156	201	80	52			
QD5300-50-3D-D26/W12	MD-260-RA	WOMT120408-...-D42	50	159	204	80	53			
QD5398-50-3D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	162	207	80	53.98	Key27-32		
QD5400-50-3D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	163	208	80	54			
QD5500-50-3D-D28/W12	MD-280-RA	WOMT120408-...-D42	50	165	210	80	55			

QD. . . -3D...-D/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



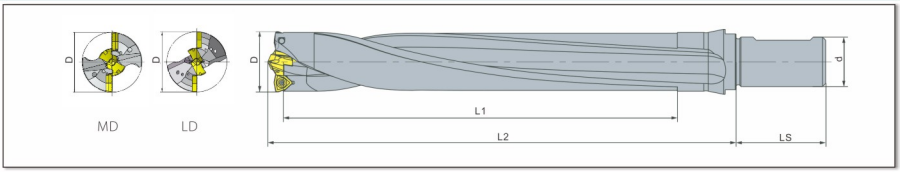
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-3D-D20/W15	MD-200-RA	WOMT150308-...-D55	50	168	213	80	56	Key17-19.9	M5X10	T20
QD5700-50-3D-D21/W15	MD-210-RA	WOMT150308-...-D55	50	171	216	80	57			
QD5800-50-3D-D22/W15	MD-220-RA	WOMT150308-...-D55	50	174	219	80	58			
QD5900-50-3D-D23/W15	MD-230-RA	WOMT150308-...-D55	50	177	222	80	59			
QD6000-50-3D-D24/W15	MD-240-RA	WOMT150308-...-D55	50	180	225	80	60	Key20-26		
QD6100-50-3D-D25/W15	MD-250-RA	WOMT150308-...-D55	50	183	228	80	61			
QD6200-50-3D-D26/W15	MD-260-RA	WOMT150308-...-D55	50	186	231	80	62			
QD6300-50-3D-D27/W15	MD-270-RA	WOMT150308-...-D55	50	189	234	80	63			
QD6400-50-3D-D28/W15	MD-280-RA	WOMT150308-...-D55	50	192	237	80	64			
QD6500-50-3D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	195	240	80	65	Key27-32		
QD6600-50-3D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	198	243	80	66			
QD6700-50-3D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	201	246	80	67			
QD6800-50-3D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	204	249	80	68			
QD6900-50-3D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	207	252	80	69			
QD7000-50-3D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	210	255	80	70			
QD7100-50-3D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	213	292	80	71	Key33-38		
QD7200-50-3D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	216	296	80	72			
QD7300-50-3D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	219	300	80	73			
QD7400-50-3D-LD38W15	LD-380-RA	WOMT150308-...-D55	50	222	304	80	74			
QD7500-50-3D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	225	308	80	75			
QD7600-50-3D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	228	312	80	76			
QD7700-50-3D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	231	316	80	77			
QD7800-50-3D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	234	320	80	78	Key39-45		
QD7900-50-3D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	237	324	80	79			
QD8000-50-3D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	240	330	80	80			

QD. . . –5D...–D... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



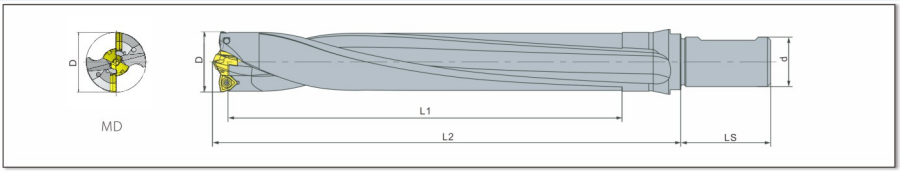
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-5D-D14/A04	MD-140-RA	AOMT040308	32	140	174	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-5D-D15/A04	MD-150-RA	AOMT040308	32	143	177	60	28.58			
QD2900-32-5D-D16/A04	MD-160-RA	AOMT040308	32	145	179	60	29			
QD2936-32-5D-D16/A04	MD-160-RA	AOMT040308	32	147	181	60	29.36			
QD3000-32-5D-D16/A04	MD-160-RA	AOMT040308	32	150	185	60	30			
QD3018-32-5D-D18/A04	MD-180-RA	AOMT040308	32	151	186	60	30.18	Key17-19.9		
QD3096-32-5D-D18/A04	MD-180-RA	AOMT040308	32	155	190	60	30.96			
QD3100-32-5D-D18/A04	MD-180-RA	AOMT040308	32	156	191	60	31			
QD3175-32-5D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	159	196	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-5D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	160	197	60	32			
QD3300-32-5D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	165	202	60	33			
QD3320-32-5D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	166	203	60	33.2			
QD3335-32-5D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	167	204	60	33.35			
QD3400-32-5D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	170	207	60	34			
QD3493-32-5D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	175	212	60	34.93	Key17-19.9		
QD3500-32-5D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	176	214	60	35			
QD3600-32-5D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	180	218	60	36			
QD3653-32-5D-D19/W08	MD-190-RA	WOMT080308-...-D33	32	183	221	60	36.53			
QD3700-32-5D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	185	223	60	37	Key14-16.9	M4X10	T15
QD3750-32-5D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	188	226	60	37.5			
QD3800-32-5D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	190	230	60	38			
QD3810-32-5D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	191	231	60	38.1			
QD3900-32-5D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	195	235	60	39	Key17-19.9		
QD3920-32-5D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	196	236	60	39.2			
QD3970-32-5D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	199	239	60	39.7			
QD4000-32-5D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	200	243	60	40			
QD4100-32-5D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	205	248	60	41			
QD4128-32-5D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	207	250	60	41.28			
QD4200-50-5D-D19/W10	MD-190-RA	WOMT120408-...-D42	50	210	254	80	42			
QD4300-50-5D-D16/W12	MD-160-RA	WOMT120408-...-D42	50	215	259	80	43	Key14-16.9		
QD4400-50-5D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	220	264	80	44	Key17-19.9		
QD4445-50-5D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	223	267	80	44.45			
QD4500-50-5D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	225	269	80	45			
QD4600-50-5D-D19/W12	MD-190-RA	WOMT120408-...-D42	50	230	274	80	46			
QD4700-50-5D-D20/W12	MD-200-RA	WOMT120408-...-D42	50	235	279	80	47			
QD4763-50-5D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	139	183	80	47.63	Key20-26.9		
QD4800-50-5D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	240	285	80	48			
QD4900-50-5D-D22/W12	MD-220-RA	WOMT120408-...-D42	50	245	290	80	49			
QD5000-50-5D-D23/W12	MD-230-RA	WOMT120408-...-D42	50	250	295	80	50			
QD5080-50-5D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	254	299	80	50.8			
QD5100-50-5D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	255	300	80	51			
QD5200-50-5D-D25/W12	MD-250-RA	WOMT120408-...-D42	50	260	305	80	52			
QD5300-50-5D-D26/W12	MD-260-RA	WOMT120408-...-D42	50	265	310	80	53			
QD5398-50-5D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	270	315	80	53.98	Key27-32		
QD5400-50-5D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	271	316	80	54			
QD5500-50-5D-D28/W12	MD-280-RA	WOMT120408-...-D42	50	275	320	80	55			

QD. . . –5D...–D/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



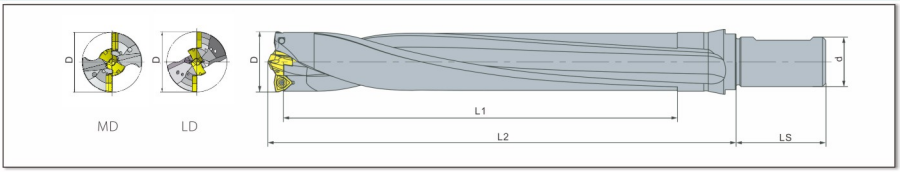
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-5D-D20/W15	MD-200-RA	WOMT150308-...-D55	50	280	325	80	56	Key17-19.9	M5X10	T20
QD5700-50-5D-D21/W15	MD-210-RA	WOMT150308-...-D55	50	285	330	80	57			
QD5800-50-5D-D22/W15	MD-220-RA	WOMT150308-...-D55	50	290	335	80	58			
QD5900-50-5D-D23/W15	MD-230-RA	WOMT150308-...-D55	50	295	340	80	59			
QD6000-50-5D-D24/W15	MD-240-RA	WOMT150308-...-D55	50	300	345	80	60	Key20-26		
QD6100-50-5D-D25/W15	MD-250-RA	WOMT150308-...-D55	50	305	350	80	61			
QD6200-50-5D-D26/W15	MD-260-RA	WOMT150308-...-D55	50	310	355	80	62			
QD6300-50-5D-D27/W15	MD-270-RA	WOMT150308-...-D55	50	315	360	80	63			
QD6400-50-5D-D28/W15	MD-280-RA	WOMT150308-...-D55	50	320	365	80	64			
QD6500-50-5D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	325	370	80	65	Key27-32		
QD6600-50-5D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	330	375	80	66			
QD6700-50-5D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	335	380	80	67			
QD6800-50-5D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	340	385	80	68			
QD6900-50-5D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	345	390	80	69			
QD7000-50-5D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	350	395	80	70			
QD7100-50-5D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	355	434	80	71	Key33-38		
QD7200-50-5D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	360	440	80	72			
QD7300-50-5D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	365	446	80	73			
QD7400-50-5D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	370	452	80	74			
QD7500-50-5D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	375	458	80	75			
QD7600-50-5D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	380	464	80	76			
QD7700-50-5D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	385	470	80	77			
QD7800-50-5D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	390	476	80	78	Key39-45		
QD7900-50-5D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	395	482	80	79			
QD8000-50-5D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	400	489	80	80			

QD. . . -6D...-D... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



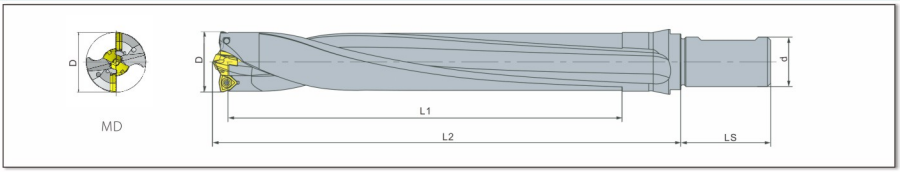
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-6D-D14/A04	MD-140-RA	AOMT040308	32	168	202	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-6D-D15/A04	MD-150-RA	AOMT040308	32	172	206	60	28.58			
QD2900-32-6D-D16/A04	MD-160-RA	AOMT040308	32	174	208	60	29			
QD2936-32-6D-D16/A04	MD-160-RA	AOMT040308	32	177	211	60	29.36			
QD3000-32-6D-D16/A04	MD-160-RA	AOMT040308	32	180	215	60	30			
QD3018-32-6D-D18/A04	MD-180-RA	AOMT040308	32	182	217	60	30.18	Key17-19.9		
QD3096-32-6D-D18/A04	MD-180-RA	AOMT040308	32	186	221	60	30.96			
QD3100-32-6D-D18/A04	MD-180-RA	AOMT040308	32	187	222	60	31			
QD3175-32-6D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	191	228	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-6D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	192	229	60	32			
QD3300-32-6D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	198	235	60	33			
QD3320-32-6D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	200	237	60	33.2			
QD3335-32-6D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	201	238	60	33.35			
QD3400-32-6D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	204	241	60	34			
QD3493-32-6D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	210	247	60	34.93	Key17-19.9		
QD3500-32-6D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	211	249	60	35			
QD3600-32-6D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	216	254	60	36			
QD3653-32-6D-D19/W08	MD-190-RA	WOMT080308-...-D33	32	220	258	60	36.53			
QD3700-32-6D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	222	260	60	37	Key14-16.9	M4X10	T15
QD3750-32-6D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	225	263	60	37.5			
QD3800-32-6D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	228	268	60	38			
QD3810-32-6D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	229	269	60	38.1			
QD3900-32-6D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	234	274	60	39	Key17-19.9		
QD3920-32-6D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	236	276	60	39.2			
QD3970-32-6D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	239	279	60	39.7			
QD4000-32-6D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	240	283	60	40			
QD4100-32-6D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	246	289	60	41			
QD4128-32-6D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	248	291	60	41.28			
QD4200-50-6D-D19/W10	MD-190-RA	WOMT120408-...-D42	50	252	296	80	42			
QD4300-50-6D-D16/W12	MD-160-RA	WOMT120408-...-D42	50	258	302	80	43	Key14-16.9		
QD4400-50-6D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	264	308	80	44	Key17-19.9		
QD4445-50-6D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	267	311	80	44.45			
QD4500-50-6D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	270	314	80	45			
QD4600-50-6D-D19/W12	MD-190-RA	WOMT120408-...-D42	50	276	320	80	46			
QD4700-50-6D-D20/W12	MD-200-RA	WOMT120408-...-D42	50	282	326	80	47			
QD4763-50-6D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	286	330	80	47.63	Key20-26.9		
QD4800-50-6D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	288	333	80	48			
QD4900-50-6D-D22/W12	MD-220-RA	WOMT120408-...-D42	50	294	339	80	49			
QD5000-50-6D-D23/W12	MD-230-RA	WOMT120408-...-D42	50	300	345	80	50			
QD5080-50-6D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	305	350	80	50.8			
QD5100-50-6D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	306	351	80	51			
QD5200-50-6D-D25/W12	MD-250-RA	WOMT120408-...-D42	50	312	357	80	52			
QD5300-50-6D-D26/W12	MD-260-RA	WOMT120408-...-D42	50	318	363	80	53			
QD5398-50-6D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	324	369	80	53.98	Key27-32		
QD5400-50-6D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	325	370	80	54			
QD5500-50-6D-D28/W12	MD-280-RA	WOMT120408-...-D42	50	330	375	80	55			

QD. . . –6D...–D/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



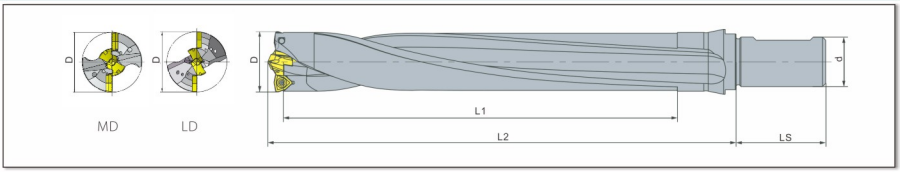
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-6D-D20/W15	MD-200-RA	WOMT150308-...-D55	50	336	381	80	56	Key17-19.9	M5X10	T20
QD5700-50-6D-D21/W15	MD-210-RA	WOMT150308-...-D55	50	342	387	80	57			
QD5800-50-6D-D22/W15	MD-220-RA	WOMT150308-...-D55	50	348	393	80	58			
QD5900-50-6D-D23/W15	MD-230-RA	WOMT150308-...-D55	50	354	399	80	59			
QD6000-50-6D-D24/W15	MD-240-RA	WOMT150308-...-D55	50	360	405	80	60	Key20-26		
QD6100-50-6D-D25/W15	MD-250-RA	WOMT150308-...-D55	50	366	411	80	61			
QD6200-50-6D-D26/W15	MD-260-RA	WOMT150308-...-D55	50	372	417	80	62			
QD6300-50-6D-D27/W15	MD-270-RA	WOMT150308-...-D55	50	378	423	80	63			
QD6400-50-6D-D28/W15	MD-280-RA	WOMT150308-...-D55	50	384	429	80	64			
QD6500-50-6D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	390	435	80	65	Key27-32		
QD6600-50-6D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	396	441	80	66			
QD6700-50-6D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	402	447	80	67			
QD6800-50-6D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	408	453	80	68			
QD6900-50-6D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	414	459	80	69			
QD7000-50-6D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	420	465	80	70			
QD7100-50-6D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	426	505	80	71	Key33-38		
QD7200-50-6D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	432	512	80	72			
QD7300-50-6D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	438	519	80	73			
QD7400-50-6D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	444	526	80	74			
QD7500-50-6D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	450	533	80	75			
QD7600-50-6D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	456	540	80	76			
QD7700-50-6D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	462	547	80	77			
QD7800-50-6D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	468	554	80	78	Key39-45		
QD7900-50-6D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	474	561	80	79			
QD8000-50-6D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	480	568	80	80			

QD. . . -7D...-D... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



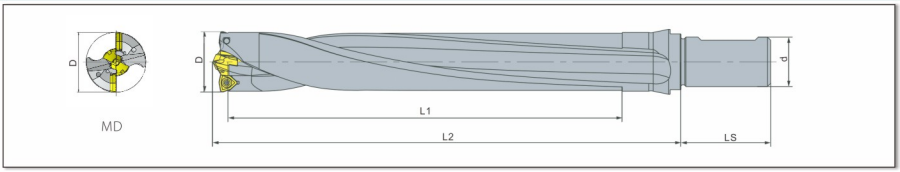
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-7D-D14/A04	MD-140-RA	AOMT040308	32	196	230	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-7D-D15/A04	MD-150-RA	AOMT040308	32	201	235	60	28.58			
QD2900-32-7D-D16/A04	MD-160-RA	AOMT040308	32	203	237	60	29			
QD2936-32-7D-D16/A04	MD-160-RA	AOMT040308	32	206	240	60	29.36			
QD3000-32-7D-D16/A04	MD-160-RA	AOMT040308	32	210	245	60	30			
QD3018-32-7D-D18/A04	MD-180-RA	AOMT040308	32	212	247	60	30.18	Key17-19.9		
QD3096-32-7D-D18/A04	MD-180-RA	AOMT040308	32	217	252	60	30.96			
QD3100-32-7D-D18/A04	MD-180-RA	AOMT040308	32	218	253	60	31			
QD3175-32-7D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	223	260	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-7D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	224	261	60	32			
QD3300-32-7D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	231	268	60	33			
QD3320-32-7D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	233	270	60	33.2			
QD3335-32-7D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	234	271	60	33.35			
QD3400-32-7D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	238	275	60	34			
QD3493-32-7D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	245	282	60	34.93	Key17-19.9		
QD3500-32-7D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	246	284	60	35			
QD3600-32-7D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	252	290	60	36			
QD3653-32-7D-D19/W08	MD-190-RA	WOMT080308-...-D33	32	256	294	60	36.53			
QD3700-32-7D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	259	297	60	37	Key14-16.9	M4X10	T15
QD3750-32-7D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	263	301	60	37.5			
QD3800-32-7D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	266	306	60	38			
QD3810-32-7D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	267	307	60	38.1			
QD3900-32-7D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	273	313	60	39	Key17-19.9		
QD3920-32-7D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	275	315	60	39.2			
QD3970-32-7D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	278	318	60	39.7			
QD4000-50-7D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	280	323	60	40			
QD4100-50-7D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	287	330	60	41			
QD4128-50-7D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	289	332	60	41.28			
QD4200-50-7D-D19/W10	MD-190-RA	WOMT120408-...-D42	50	294	338	80	42			
QD4300-50-7D-D16/W12	MD-160-RA	WOMT120408-...-D42	50	301	345	80	43	Key14-16.9		
QD4400-50-7D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	308	352	80	44	Key17-19.9		
QD4445-50-7D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	312	356	80	44.45			
QD4500-50-7D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	315	359	80	45			
QD4600-50-7D-D19/W12	MD-190-RA	WOMT120408-...-D42	50	322	366	80	46			
QD4700-50-7D-D20/W12	MD-200-RA	WOMT120408-...-D42	50	329	373	80	47			
QD4763-50-7D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	334	378	80	47.63	Key20-26.9		
QD4800-50-7D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	336	381	80	48			
QD4900-50-7D-D22/W12	MD-220-RA	WOMT120408-...-D42	50	343	388	80	49			
QD5000-50-7D-D23/W12	MD-230-RA	WOMT120408-...-D42	50	350	395	80	50			
QD5080-50-7D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	356	401	80	50.8			
QD5100-50-7D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	357	402	80	51			
QD5200-50-7D-D25/W12	MD-250-RA	WOMT120408-...-D42	50	364	409	80	52			
QD5300-50-7D-D26/W12	MD-260-RA	WOMT120408-...-D42	50	371	416	80	53			
QD5398-50-7D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	378	423	80	53.98	Key27-32		
QD5400-50-7D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	379	424	80	54			
QD5500-50-7D-D28/W12	MD-280-RA	WOMT120408-...-D42	50	385	430	80	55			

QD. . . -7D...-D/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



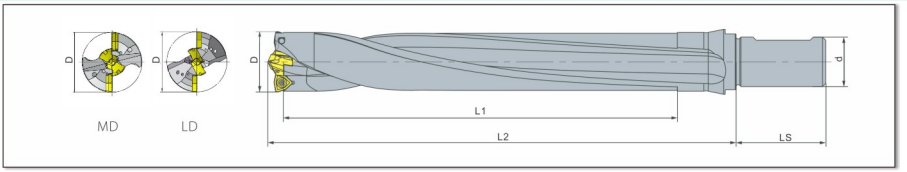
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-7D-D20/W15	MD-200-RA	WOMT150308-...-D55	50	392	437	80	56	Key17-19.9	M5X10	T20
QD5700-50-7D-D21/W15	MD-210-RA	WOMT150308-...-D55	50	399	444	80	57			
QD5800-50-7D-D22/W15	MD-220-RA	WOMT150308-...-D55	50	406	451	80	58			
QD5900-50-7D-D23/W15	MD-230-RA	WOMT150308-...-D55	50	413	458	80	59			
QD6000-50-7D-D24/W15	MD-240-RA	WOMT150308-...-D55	50	420	465	80	60	Key20-26		
QD6100-50-7D-D25/W15	MD-250-RA	WOMT150308-...-D55	50	427	472	80	61			
QD6200-50-7D-D26/W15	MD-260-RA	WOMT150308-...-D55	50	434	479	80	62			
QD6300-50-7D-D27/W15	MD-270-RA	WOMT150308-...-D55	50	441	486	80	63			
QD6400-50-7D-D28/W15	MD-280-RA	WOMT150308-...-D55	50	448	493	80	64			
QD6500-50-7D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	455	500	80	65	Key27-32		
QD6600-50-7D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	462	507	80	66			
QD6700-50-7D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	469	514	80	67			
QD6800-50-7D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	476	521	80	68			
QD6900-50-7D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	483	528	80	69			
QD7000-50-7D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	490	535	80	70			
QD7100-50-7D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	497	576	80	71	Key33-38		
QD7200-50-7D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	504	584	80	72			
QD7300-50-7D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	511	592	80	73			
QD7400-50-7D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	518	600	80	74			
QD7500-50-7D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	525	608	80	75			
QD7600-50-7D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	532	616	80	76			
QD7700-50-7D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	539	624	80	77			
QD7800-50-7D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	546	632	80	78	Key39-45		
QD7900-50-7D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	553	640	80	79			
QD8000-50-7D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	560	648	80	80			

QD. . . -8D...-D... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



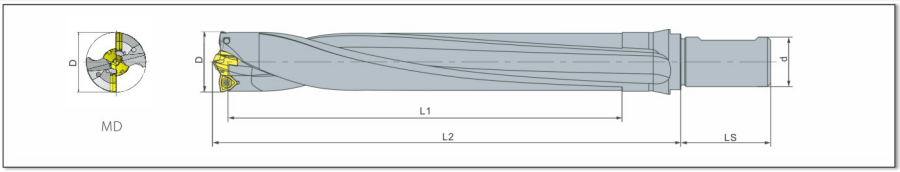
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-8D-D14/A04	MD-140-RA	AOMT040308	32	224	258	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-8D-D15/A04	MD-150-RA	AOMT040308	32	229	263	60	28.58			
QD2900-32-8D-D16/A04	MD-160-RA	AOMT040308	32	232	266	60	29			
QD2936-32-8D-D16/A04	MD-160-RA	AOMT040308	32	235	269	60	29.36			
QD3000-32-8D-D16/A04	MD-160-RA	AOMT040308	32	240	275	60	30			
QD3018-32-8D-D18/A04	MD-180-RA	AOMT040308	32	242	277	60	30.18	Key17-19.9		
QD3096-32-8D-D18/A04	MD-180-RA	AOMT040308	32	248	283	60	30.96			
QD3100-32-8D-D18/A04	MD-180-RA	AOMT040308	32	249	284	60	31			
QD3175-32-8D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	254	291	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-8D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	256	293	60	32			
QD3300-32-8D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	264	301	60	33			
QD3320-32-8D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	266	303	60	33.2			
QD3335-32-8D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	267	304	60	33.35			
QD3400-32-8D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	272	309	60	34			
QD3493-32-8D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	280	317	60	34.93	Key17-19.9		
QD3500-32-8D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	281	319	60	35			
QD3600-32-8D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	288	326	60	36			
QD3653-32-8D-D19/W08	MD-190-RA	WOMT080308-...-D33	32	293	331	60	36.53			
QD3700-32-8D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	296	334	60	37	Key14-16.9	M4X10	T15
QD3750-32-8D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	300	338	60	37.5			
QD3800-32-8D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	304	344	60	38			
QD3810-32-8D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	305	345	60	38.1			
QD3900-32-8D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	312	352	60	39	Key17-19.9		
QD3920-32-8D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	314	354	60	39.2			
QD3970-32-8D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	318	358	60	39.7			
QD4000-32-8D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	320	363	60	40			
QD4100-32-8D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	328	371	60	41			
QD4128-32-8D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	331	374	60	41.28			
QD4200-50-8D-D19/W10	MD-190-RA	WOMT120408-...-D42	50	336	380	80	42			
QD4300-50-8D-D16/W12	MD-160-RA	WOMT120408-...-D42	50	344	388	80	43	Key14-16.9		
QD4400-50-8D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	352	396	80	44	Key17-19.9		
QD4445-50-8D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	356	400	80	44.45			
QD4500-50-8D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	360	404	80	45			
QD4600-50-8D-D19/W12	MD-190-RA	WOMT120408-...-D42	50	368	412	80	46			
QD4700-50-8D-D20/W12	MD-200-RA	WOMT120408-...-D42	50	376	420	80	47			
QD4763-50-8D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	382	426	80	47.63	Key20-26.9		
QD4800-50-8D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	384	429	80	48			
QD4900-50-8D-D22/W12	MD-220-RA	WOMT120408-...-D42	50	392	437	80	49			
QD5000-50-8D-D23/W12	MD-230-RA	WOMT120408-...-D42	50	400	445	80	50			
QD5080-50-8D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	407	452	80	50.8			
QD5100-50-8D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	408	453	80	51			
QD5200-50-8D-D25/W12	MD-250-RA	WOMT120408-...-D42	50	416	461	80	52			
QD5300-50-8D-D26/W12	MD-260-RA	WOMT120408-...-D42	50	424	469	80	53			
QD5398-50-8D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	432	477	80	53.98	Key27-32		
QD5400-50-8D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	433	478	80	54			
QD5500-50-8D-D28/W12	MD-280-RA	WOMT120408-...-D42	50	440	485	80	55			

QD. . . -8D...-D/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



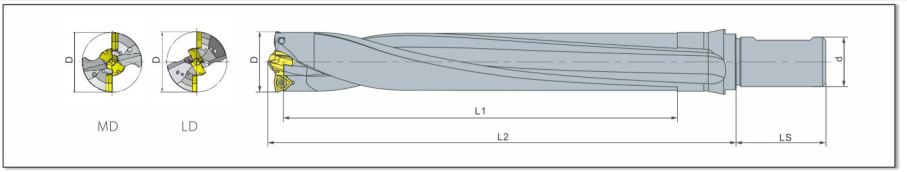
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-8D-D20/W15	MD-200-RA	WOMT150308-...-D55	50	448	493	80	56	Key17-19.9	M5X10	T20
QD5700-50-8D-D21/W15	MD-210-RA	WOMT150308-...-D55	50	456	501	80	57			
QD5800-50-8D-D22/W15	MD-220-RA	WOMT150308-...-D55	50	464	509	80	58			
QD5900-50-8D-D23/W15	MD-230-RA	WOMT150308-...-D55	50	472	517	80	59			
QD6000-50-8D-D24/W15	MD-240-RA	WOMT150308-...-D55	50	480	525	80	60	Key20-26		
QD6100-50-8D-D25/W15	MD-250-RA	WOMT150308-...-D55	50	488	533	80	61			
QD6200-50-8D-D26/W15	MD-260-RA	WOMT150308-...-D55	50	496	541	80	62			
QD6300-50-8D-D27/W15	MD-270-RA	WOMT150308-...-D55	50	504	549	80	63			
QD6400-50-8D-D28/W15	MD-280-RA	WOMT150308-...-D55	50	512	557	80	64			
QD6500-50-8D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	520	565	80	65	Key27-32		
QD6600-50-8D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	528	573	80	66			
QD6700-50-8D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	536	581	80	67			
QD6800-50-8D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	544	589	80	68			
QD6900-50-8D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	552	597	80	69			
QD7000-50-8D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	560	605	80	70			
QD7100-50-8D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	568	647	80	71	Key33-38		
QD7200-50-8D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	576	656	80	72			
QD7300-50-8D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	584	673	80	73			
QD7400-50-8D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	592	682	80	74			
QD7500-50-8D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	600	691	80	75			
QD7600-50-8D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	608	670	80	76			
QD7700-50-8D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	616	679	80	77			
QD7800-50-8D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	624	688	80	78	Key39-45		
QD7900-50-8D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	632	697	80	79			
QD8000-50-8D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	640	706	80	80			

QD. . . -10D...-D... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



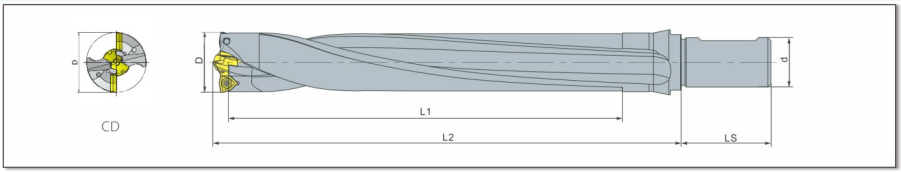
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-10D-D14/A04	MD-140-RA	AOMT040308	32	280	314	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-10D-D15/A04	MD-150-RA	AOMT040308	32	286	320	60	28.58			
QD2900-32-10D-D16/A04	MD-160-RA	AOMT040308	32	290	324	60	29			
QD2936-32-10D-D16/A04	MD-160-RA	AOMT040308	32	294	328	60	29.36			
QD3000-32-10D-D16/A04	MD-160-RA	AOMT040308	32	300	335	60	30			
QD3018-32-10D-D18/A04	MD-180-RA	AOMT040308	32	302	337	60	30.18	Key17-19.9		
QD3096-32-10D-D18/A04	MD-180-RA	AOMT040308	32	310	345	60	30.96			
QD3100-32-10D-D18/A04	MD-180-RA	AOMT040308	32	311	346	60	31			
QD3175-32-10D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	318	355	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-10D-D15/W08	MD-150-RA	WOMT080308-...-D33	32	320	357	60	32			
QD3300-32-10D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	330	367	60	33			
QD3320-32-10D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	332	369	60	33.2			
QD3335-32-10D-D16/W08	MD-160-RA	WOMT080308-...-D33	32	334	371	60	33.35			
QD3400-32-10D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	340	377	60	34			
QD3493-32-10D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	350	387	60	34.93	Key17-19.9		
QD3500-32-10D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	350	388	60	35			
QD3600-32-10D-D18/W08	MD-180-RA	WOMT080308-...-D33	32	360	398	60	36			
QD3653-32-10D-D19/W08	MD-190-RA	WOMT080308-...-D33	32	366	404	60	36.53			
QD3700-32-10D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	370	408	60	37	Key14-16.9	M4X10	T15
QD3750-32-10D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	375	413	60	37.5			
QD3800-32-10D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	380	420	60	38			
QD3810-32-10D-D16/W10	MD-160-RA	WOMT100308-...-D39	32	381	421	60	38.1			
QD3900-32-10D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	390	430	60	39	Key17-19.9		
QD3920-32-10D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	392	432	60	39.2			
QD3970-32-10D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	397	437	60	39.7			
QD4000-32-10D-D18/W10	MD-180-RA	WOMT100308-...-D39	32	400	443	60	40			
QD4100-32-10D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	410	453	60	41			
QD4128-32-10D-D19/W10	MD-190-RA	WOMT100308-...-D39	32	413	456	60	41.28			
QD4200-50-10D-D19/W10	MD-190-RA	WOMT120408-...-D42	50	420	464	80	42			
QD4300-50-10D-D16/W12	MD-160-RA	WOMT120408-...-D42	50	430	474	80	43	Key14-16.9		
QD4400-50-10D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	440	484	80	44	Key17-19.9		
QD4445-50-10D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	445	489	80	44.45			
QD4500-50-10D-D18/W12	MD-180-RA	WOMT120408-...-D42	50	450	494	80	45			
QD4600-50-10D-D19/W12	MD-190-RA	WOMT120408-...-D42	50	460	504	80	46			
QD4700-50-10D-D20/W12	MD-200-RA	WOMT120408-...-D42	50	470	514	80	47			
QD4763-50-10D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	477	521	80	47.63	Key20-26.9		
QD4800-50-10D-D21/W12	MD-210-RA	WOMT120408-...-D42	50	480	525	80	48			
QD4900-50-10D-D22/W12	MD-220-RA	WOMT120408-...-D42	50	490	535	80	49			
QD5000-50-10D-D23/W12	MD-230-RA	WOMT120408-...-D42	50	500	545	80	50			
QD5080-50-10D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	508	553	80	50.8			
QD5100-50-10D-D24/W12	MD-240-RA	WOMT120408-...-D42	50	510	555	80	51			
QD5200-50-10D-D25/W12	MD-250-RA	WOMT120408-...-D42	50	520	565	80	52			
QD5300-50-10D-D26/W12	MD-260-RA	WOMT120408-...-D42	50	530	575	80	53			
QD5398-50-10D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	540	585	80	53.98	Key27-32		
QD5400-50-10D-D27/W12	MD-270-RA	WOMT120408-...-D42	50	541	586	80	54			
QD5500-50-10D-D28/W12	MD-280-RA	WOMT120408-...-D42	50	550	595	80	55			

QD. . . −10D...−D/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



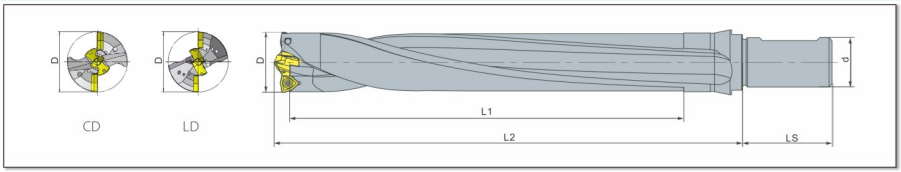
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-10D-D20/W15	MD-200-RA	WOMT150308-...-D55	50	560	605	80	56	Key17-19.9	M5X10	T20
QD5700-50-10D-D21/W15	MD-210-RA	WOMT150308-...-D55	50	570	615	80	57			
QD5800-50-10D-D22/W15	MD-220-RA	WOMT150308-...-D55	50	580	625	80	58			
QD5900-50-10D-D23/W15	MD-230-RA	WOMT150308-...-D55	50	590	635	80	59			
QD6000-50-10D-D24/W15	MD-240-RA	WOMT150308-...-D55	50	600	645	80	60	Key20-26		
QD6100-50-10D-D25/W15	MD-250-RA	WOMT150308-...-D55	50	610	655	80	61			
QD6200-50-10D-D26/W15	MD-260-RA	WOMT150308-...-D55	50	620	665	80	62			
QD6300-50-10D-D27/W15	MD-270-RA	WOMT150308-...-D55	50	630	675	80	63			
QD6400-50-10D-D28/W15	MD-280-RA	WOMT150308-...-D55	50	640	685	80	64			
QD6500-50-10D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	650	695	80	65	Key27-32		
QD6600-50-10D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	660	705	80	66			
QD6700-50-10D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	670	715	80	67			
QD6800-50-10D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	680	725	80	68			
QD6900-50-10D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	690	735	80	69			
QD7000-50-10D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	700	745	80	70			
QD7100-50-10D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	710	789	80	71	Key33-38		
QD7200-50-10D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	720	800	80	72			
QD7300-50-10D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	730	811	80	73			
QD7400-50-10D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	740	822	80	74			
QD7500-50-10D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	750	833	80	75			
QD7600-50-10D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	760	844	80	76			
QD7700-50-10D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	770	855	80	77			
QD7800-50-10D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	780	866	80	78	Key39-45		
QD7900-50-10D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	632	697	80	79			
QD8000-50-10D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	640	706	80	80			

QD. . . -3D...-CD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



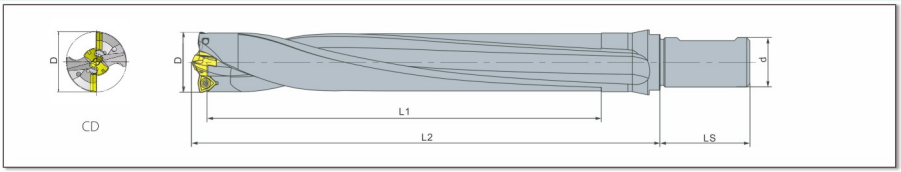
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-3D-CD14/A04	CD-140-RA	AOMT040308	32	84	118	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-3D-CD15/A04	CD-150-RA	AOMT040308	32	86	120	60	28.58			
QD2900-32-3D-CD16/A04	CD-160-RA	AOMT040308	32	87	121	60	29			
QD2936-32-3D-CD16/A04	CD-160-RA	AOMT040308	32	89	123	60	29.36			
QD3000-32-3D-CD16/A04	CD-160-RA	AOMT040308	32	90	125	60	30			
QD3018-32-3D-CD18/A04	CD-180-RA	AOMT040308	32	91	126	60	30.18	Key17-19.9		
QD3096-32-3D-CD18/A04	CD-180-RA	AOMT040308	32	93	128	60	30.96			
QD3100-32-3D-CD18/A04	CD-180-RA	AOMT040308	32	94	129	60	31			
QD3175-32-3D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	96	133	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-3D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	97	134	60	32			
QD3300-32-3D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	99	136	60	33			
QD3320-32-3D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	100	137	60	33.2			
QD3335-32-3D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	101	138	60	33.35			
QD3400-32-3D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	102	139	60	34			
QD3493-32-3D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	105	142	60	34.93	Key17-19.9		
QD3500-32-3D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	106	144	60	35			
QD3600-32-3D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	108	146	60	36			
QD3653-32-3D-CD19/W08	CD-190-RA	WOMT080308-...-D33	32	110	148	60	36.53			
QD3700-32-3D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	111	149	60	37	Key14-16.9	M4X10	T15
QD3750-32-3D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	113	151	60	37.5			
QD3800-32-3D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	114	154	60	38			
QD3810-32-3D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	115	155	60	38.1			
QD3900-32-3D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	117	157	60	39	Key17-19.9		
QD3920-32-3D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	118	158	60	39.2			
QD3970-32-3D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	120	160	60	39.7			
QD4000-32-3D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	121	164	60	40			
QD4100-32-3D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	123	166	60	41			
QD4128-32-3D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	124	167	60	41.28			
QD4200-50-3D-CD19/W10	CD-190-RA	WOMT120408-...-D42	50	126	170	80	42			
QD4300-50-3D-CD16/W12	CD-160-RA	WOMT120408-...-D42	50	129	173	80	43	Key14-16.9		
QD4400-50-3D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	132	176	80	44	Key17-19.9		
QD4445-50-3D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	134	178	80	44.45			
QD4500-50-3D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	135	179	80	45			
QD4600-50-3D-CD19/W12	CD-190-RA	WOMT120408-...-D42	50	138	182	80	46			
QD4700-50-3D-CD20/W12	CD-200-RA	WOMT120408-...-D42	50	141	185	80	47			
QD4763-50-3D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	143	187	80	47.63	Key20-26.9		
QD4800-50-3D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	144	189	80	48			
QD4900-50-3D-CD22/W12	CD-220-RA	WOMT120408-...-D42	50	147	192	80	49			
QD5000-50-3D-CD23/W12	CD-230-RA	WOMT120408-...-D42	50	150	195	80	50			
QD5080-50-3D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	153	198	80	50.8			
QD5100-50-3D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	154	199	80	51			
QD5200-50-3D-CD25/W12	CD-250-RA	WOMT120408-...-D42	50	156	201	80	52			
QD5300-50-3D-CD26/W12	CD-260-RA	WOMT120408-...-D42	50	159	204	80	53			
QD5398-50-3D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	162	207	80	53.98	Key27-32		
QD5400-50-3D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	163	208	80	54			
QD5500-50-3D-CD28/W12	CD-280-RA	WOMT120408-...-D42	50	165	210	80	55			

QD. . . –3D...–CD/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



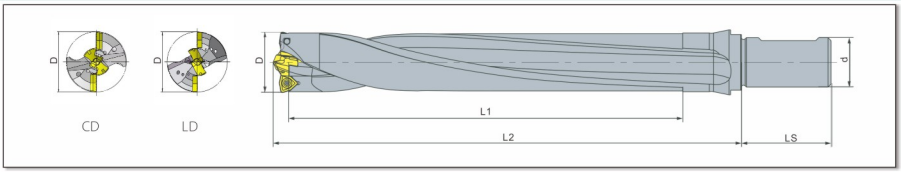
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-3D-CD20/W15	CD-200-RA	WOMT150308-...-D55	50	168	213	80	56	Key17-19.9	M5X10	T20
QD5700-50-3D-CD21/W15	CD-210-RA	WOMT150308-...-D55	50	171	216	80	57			
QD5800-50-3D-CD22/W15	CD-220-RA	WOMT150308-...-D55	50	174	219	80	58			
QD5900-50-3D-CD23/W15	CD-230-RA	WOMT150308-...-D55	50	177	222	80	59			
QD6000-50-3D-CD24/W15	CD-240-RA	WOMT150308-...-D55	50	180	225	80	60	Key20-26		
QD6100-50-3D-CD25/W15	CD-250-RA	WOMT150308-...-D55	50	183	228	80	61			
QD6200-50-3D-CD26/W15	CD-260-RA	WOMT150308-...-D55	50	186	231	80	62			
QD6300-50-3D-CD27/W15	CD-270-RA	WOMT150308-...-D55	50	189	234	80	63			
QD6400-50-3D-CD28/W15	CD-280-RA	WOMT150308-...-D55	50	192	237	80	64			
QD6500-50-3D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	195	240	80	65	Key27-32		
QD6600-50-3D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	198	243	80	66			
QD6700-50-3D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	201	246	80	67			
QD6800-50-3D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	204	249	80	68			
QD6900-50-3D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	207	252	80	69			
QD7000-50-3D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	210	255	80	70			
QD7100-50-3D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	213	292	80	71	Key33-38		
QD7200-50-3D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	216	296	80	72			
QD7300-50-3D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	219	300	80	73			
QD7400-50-3D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	222	304	80	74			
QD7500-50-3D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	225	308	80	75			
QD7600-50-3D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	228	312	80	76			
QD7700-50-3D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	231	316	80	77			
QD7800-50-3D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	234	320	80	78	Key39-45		
QD7900-50-3D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	237	324	80	79			
QD8000-50-3D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	240	330	80	80			

QD. . . –5D...–CD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



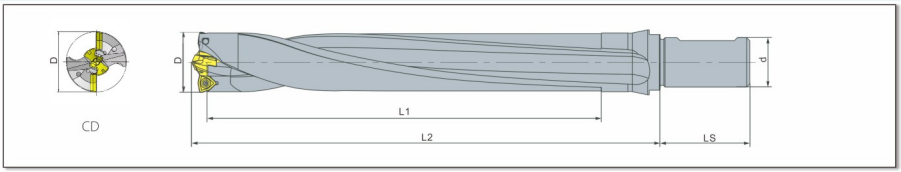
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-5D-CD14/A04	CD-140-RA	AOMT040308	32	140	174	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-5D-CD15/A04	CD-150-RA	AOMT040308	32	143	177	60	28.58			
QD2900-32-5D-CD16/A04	CD-160-RA	AOMT040308	32	145	179	60	29			
QD2936-32-5D-CD16/A04	CD-160-RA	AOMT040308	32	147	181	60	29.36			
QD3000-32-5D-CD16/A04	CD-160-RA	AOMT040308	32	150	185	60	30			
QD3018-32-5D-CD18/A04	CD-180-RA	AOMT040308	32	151	186	60	30.18	Key17-19.9		
QD3096-32-5D-CD18/A04	CD-180-RA	AOMT040308	32	155	190	60	30.96			
QD3100-32-5D-CD18/A04	CD-180-RA	AOMT040308	32	156	191	60	31			
QD3175-32-5D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	159	196	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-5D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	160	197	60	32			
QD3300-32-5D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	165	202	60	33			
QD3320-32-5D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	166	203	60	33.2			
QD3335-32-5D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	167	204	60	33.35			
QD3400-32-5D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	170	207	60	34			
QD3493-32-5D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	175	212	60	34.93	Key17-19.9		
QD3500-32-5D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	176	214	60	35			
QD3600-32-5D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	180	218	60	36			
QD3653-32-5D-CD19/W08	CD-190-RA	WOMT080308-...-D33	32	183	221	60	36.53			
QD3700-32-5D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	185	223	60	37	Key14-16.9	M4X10	T15
QD3750-32-5D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	188	226	60	37.5			
QD3800-32-5D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	190	230	60	38			
QD3810-32-5D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	191	231	60	38.1			
QD3900-32-5D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	195	235	60	39	Key17-19.9		
QD3920-32-5D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	196	236	60	39.2			
QD3970-32-5D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	199	239	60	39.7			
QD4000-32-5D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	200	243	60	40			
QD4100-32-5D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	205	248	60	41			
QD4128-32-5D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	207	250	60	41.28			
QD4200-50-5D-CD19/W10	CD-190-RA	WOMT120408-...-D42	50	210	254	80	42			
QD4300-50-5D-CD16/W12	CD-160-RA	WOMT120408-...-D42	50	215	259	80	43	Key14-16.9		
QD4400-50-5D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	220	264	80	44	Key17-19.9		
QD4445-50-5D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	223	267	80	44.45			
QD4500-50-5D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	225	269	80	45			
QD4600-50-5D-CD19/W12	CD-190-RA	WOMT120408-...-D42	50	230	274	80	46			
QD4700-50-5D-CD20/W12	CD-200-RA	WOMT120408-...-D42	50	235	279	80	47			
QD4763-50-5D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	139	183	80	47.63	Key20-26.9		
QD4800-50-5D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	240	285	80	48			
QD4900-50-5D-CD22/W12	CD-220-RA	WOMT120408-...-D42	50	245	290	80	49			
QD5000-50-5D-CD23/W12	CD-230-RA	WOMT120408-...-D42	50	250	295	80	50			
QD5080-50-5D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	254	299	80	50.8			
QD5100-50-5D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	255	300	80	51			
QD5200-50-5D-CD25/W12	CD-250-RA	WOMT120408-...-D42	50	260	305	80	52			
QD5300-50-5D-CD26/W12	CD-260-RA	WOMT120408-...-D42	50	265	310	80	53			
QD5398-50-5D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	270	315	80	53.98	Key27-32		
QD5400-50-5D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	271	316	80	54			
QD5500-50-5D-CD28/W12	CD-280-RA	WOMT120408-...-D42	50	275	320	80	55			

QD. . . –5D...–CD/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



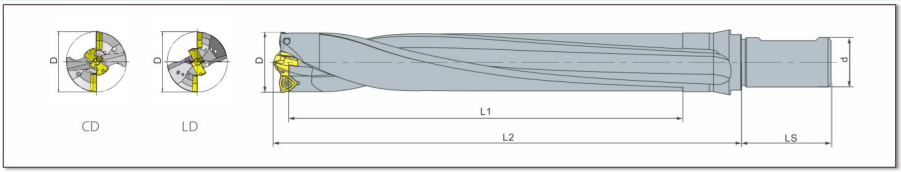
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-5D-CD20/W15	CD-200-RA	WOMT150308-...-D55	50	280	325	80	56	Key17-19.9	M5X10	T20
QD5700-50-5D-CD21/W15	CD-210-RA	WOMT150308-...-D55	50	285	330	80	57			
QD5800-50-5D-CD22/W15	CD-220-RA	WOMT150308-...-D55	50	290	335	80	58			
QD5900-50-5D-CD23/W15	CD-230-RA	WOMT150308-...-D55	50	295	340	80	59			
QD6000-50-5D-CD24/W15	CD-240-RA	WOMT150308-...-D55	50	300	345	80	60	Key20-26		
QD6100-50-5D-CD25/W15	CD-250-RA	WOMT150308-...-D55	50	305	350	80	61			
QD6200-50-5D-CD26/W15	CD-260-RA	WOMT150308-...-D55	50	310	355	80	62			
QD6300-50-5D-CD27/W15	CD-270-RA	WOMT150308-...-D55	50	315	360	80	63			
QD6400-50-5D-CD28/W15	CD-280-RA	WOMT150308-...-D55	50	320	365	80	64			
QD6500-50-5D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	325	370	80	65	Key27-32		
QD6600-50-5D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	330	375	80	66			
QD6700-50-5D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	335	380	80	67			
QD6800-50-5D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	340	385	80	68			
QD6900-50-5D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	345	390	80	69			
QD7000-50-5D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	350	395	80	70			
QD7100-50-5D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	355	434	80	71	Key33-38		
QD7200-50-5D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	360	440	80	72			
QD7300-50-5D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	365	446	80	73			
QD7400-50-5D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	370	452	80	74			
QD7500-50-5D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	375	458	80	75			
QD7600-50-5D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	380	464	80	76			
QD7700-50-5D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	385	470	80	77			
QD7800-50-5D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	390	476	80	78	Key39-45		
QD7900-50-5D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	395	482	80	79			
QD8000-50-5D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	400	489	80	80			

QD. . . -6D...-CD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



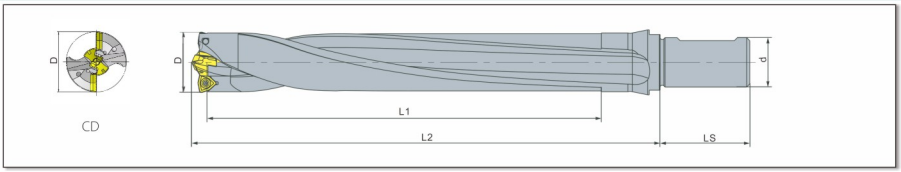
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-6D-CD14/A04	CD-140-RA	AOMT040308	32	168	202	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-6D-CD15/A04	CD-150-RA	AOMT040308	32	172	206	60	28.58			
QD2900-32-6D-CD16/A04	CD-160-RA	AOMT040308	32	174	208	60	29			
QD2936-32-6D-CD16/A04	CD-160-RA	AOMT040308	32	177	211	60	29.36			
QD3000-32-6D-CD16/A04	CD-160-RA	AOMT040308	32	180	215	60	30			
QD3018-32-6D-CD18/A04	CD-180-RA	AOMT040308	32	182	217	60	30.18	Key17-19.9		
QD3096-32-6D-CD18/A04	CD-180-RA	AOMT040308	32	186	221	60	30.96			
QD3100-32-6D-CD18/A04	CD-180-RA	AOMT040308	32	187	222	60	31			
QD3175-32-6D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	191	228	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-6D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	192	229	60	32			
QD3300-32-6D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	198	235	60	33			
QD3320-32-6D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	200	237	60	33.2			
QD3335-32-6D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	201	238	60	33.35			
QD3400-32-6D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	204	241	60	34			
QD3493-32-6D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	210	247	60	34.93	Key17-19.9		
QD3500-32-6D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	211	249	60	35			
QD3600-32-6D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	216	254	60	36			
QD3653-32-6D-CD19/W08	CD-190-RA	WOMT080308-...-D33	32	220	258	60	36.53			
QD3700-32-6D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	222	260	60	37	Key14-16.9	M4X10	T15
QD3750-32-6D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	225	263	60	37.5			
QD3800-32-6D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	228	268	60	38			
QD3810-32-6D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	229	269	60	38.1			
QD3900-32-6D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	234	274	60	39	Key17-19.9		
QD3920-32-6D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	236	276	60	39.2			
QD3970-32-6D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	239	279	60	39.7			
QD4000-32-6D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	240	283	60	40			
QD4100-32-6D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	246	289	60	41			
QD4128-32-6D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	248	291	60	41.28			
QD4200-50-6D-CD19/W10	CD-190-RA	WOMT120408-...-D42	50	252	296	80	42			
QD4300-50-6D-CD16/W12	CD-160-RA	WOMT120408-...-D42	50	258	302	80	43	Key14-16.9		
QD4400-50-6D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	264	308	80	44	Key17-19.9		
QD4445-50-6D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	267	311	80	44.45			
QD4500-50-6D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	270	314	80	45			
QD4600-50-6D-CD19/W12	CD-190-RA	WOMT120408-...-D42	50	276	320	80	46			
QD4700-50-6D-CD20/W12	CD-200-RA	WOMT120408-...-D42	50	282	326	80	47			
QD4763-50-6D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	286	330	80	47.63	Key20-26.9		
QD4800-50-6D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	288	333	80	48			
QD4900-50-6D-CD22/W12	CD-220-RA	WOMT120408-...-D42	50	294	339	80	49			
QD5000-50-6D-CD23/W12	CD-230-RA	WOMT120408-...-D42	50	300	345	80	50			
QD5080-50-6D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	305	350	80	50.8			
QD5100-50-6D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	306	351	80	51			
QD5200-50-6D-CD25/W12	CD-250-RA	WOMT120408-...-D42	50	312	357	80	52			
QD5300-50-6D-CD26/W12	CD-260-RA	WOMT120408-...-D42	50	318	363	80	53			
QD5398-50-6D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	324	369	80	53.98	Key27-32		
QD5400-50-6D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	325	370	80	54			
QD5500-50-6D-CD28/W12	CD-280-RA	WOMT120408-...-D42	50	330	375	80	55			

QD. . . -6D...-CD/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



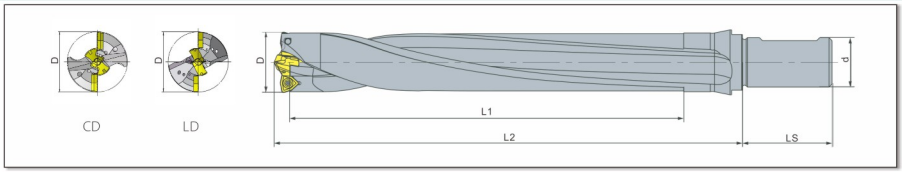
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-6D-CD20/W15	CD-200-RA	WOMT150308-...-D55	50	336	381	80	56	Key17-19.9	M5X10	T20
QD5700-50-6D-CD21/W15	CD-210-RA	WOMT150308-...-D55	50	342	387	80	57			
QD5800-50-6D-CD22/W15	CD-220-RA	WOMT150308-...-D55	50	348	393	80	58			
QD5900-50-6D-CD23/W15	CD-230-RA	WOMT150308-...-D55	50	354	399	80	59			
QD6000-50-6D-CD24/W15	CD-240-RA	WOMT150308-...-D55	50	360	405	80	60	Key20-26		
QD6100-50-6D-CD25/W15	CD-250-RA	WOMT150308-...-D55	50	366	411	80	61			
QD6200-50-6D-CD26/W15	CD-260-RA	WOMT150308-...-D55	50	372	417	80	62			
QD6300-50-6D-CD27/W15	CD-270-RA	WOMT150308-...-D55	50	378	423	80	63			
QD6400-50-6D-CD28/W15	CD-280-RA	WOMT150308-...-D55	50	384	429	80	64			
QD6500-50-6D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	390	435	80	65	Key27-32		
QD6600-50-6D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	396	441	80	66			
QD6700-50-6D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	402	447	80	67			
QD6800-50-6D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	408	453	80	68			
QD6900-50-6D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	414	459	80	69			
QD7000-50-6D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	420	465	80	70			
QD7100-50-6D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	426	505	80	71	Key33-38		
QD7200-50-6D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	432	512	80	72			
QD7300-50-6D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	438	519	80	73			
QD7400-50-6D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	444	526	80	74			
QD7500-50-6D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	450	533	80	75			
QD7600-50-6D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	456	540	80	76			
QD7700-50-6D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	462	547	80	77			
QD7800-50-6D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	468	554	80	78	Key39-45		
QD7900-50-6D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	474	561	80	79			
QD8000-50-6D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	480	568	80	80			

QD. . . -7D...-CD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



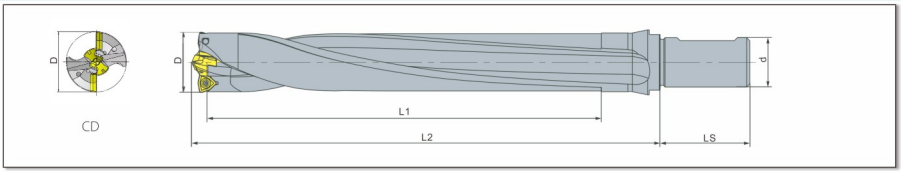
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-7D-CD14/A04	CD-140-RA	AOMT040308	32	196	230	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-7D-CD15/A04	CD-150-RA	AOMT040308	32	201	235	60	28.58			
QD2900-32-7D-CD16/A04	CD-160-RA	AOMT040308	32	203	237	60	29			
QD2936-32-7D-CD16/A04	CD-160-RA	AOMT040308	32	206	240	60	29.36			
QD3000-32-7D-CD16/A04	CD-160-RA	AOMT040308	32	210	245	60	30			
QD3018-32-7D-CD18/A04	CD-180-RA	AOMT040308	32	212	247	60	30.18	Key17-19.9		
QD3096-32-7D-CD18/A04	CD-180-RA	AOMT040308	32	217	252	60	30.96			
QD3100-32-7D-CD18/A04	CD-180-RA	AOMT040308	32	218	253	60	31			
QD3175-32-7D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	223	260	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-7D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	224	261	60	32			
QD3300-32-7D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	231	268	60	33			
QD3320-32-7D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	233	270	60	33.2			
QD3335-32-7D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	234	271	60	33.35			
QD3400-32-7D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	238	275	60	34			
QD3493-32-7D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	245	282	60	34.93	Key17-19.9		
QD3500-32-7D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	246	284	60	35			
QD3600-32-7D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	252	290	60	36			
QD3653-32-7D-CD19/W08	CD-190-RA	WOMT080308-...-D33	32	256	294	60	36.53			
QD3700-32-7D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	259	297	60	37	Key14-16.9	M4X10	T15
QD3750-32-7D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	263	301	60	37.5			
QD3800-32-7D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	266	306	60	38			
QD3810-32-7D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	267	307	60	38.1			
QD3900-32-7D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	273	313	60	39	Key17-19.9		
QD3920-32-7D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	275	315	60	39.2			
QD3970-32-7D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	278	318	60	39.7			
QD4000-50-7D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	280	323	60	40			
QD4100-50-7D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	287	330	60	41			
QD4128-50-7D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	289	332	60	41.28			
QD4200-50-7D-CD19/W10	CD-190-RA	WOMT120408-...-D42	50	294	338	80	42			
QD4300-50-7D-CD16/W12	CD-160-RA	WOMT120408-...-D42	50	301	345	80	43	Key14-16.9		
QD4400-50-7D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	308	352	80	44	Key17-19.9		
QD4445-50-7D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	312	356	80	44.45			
QD4500-50-7D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	315	359	80	45			
QD4600-50-7D-CD19/W12	CD-190-RA	WOMT120408-...-D42	50	322	366	80	46			
QD4700-50-7D-CD20/W12	CD-200-RA	WOMT120408-...-D42	50	329	373	80	47			
QD4763-50-7D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	334	378	80	47.63	Key20-26.9		
QD4800-50-7D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	336	381	80	48			
QD4900-50-7D-CD22/W12	CD-220-RA	WOMT120408-...-D42	50	343	388	80	49			
QD5000-50-7D-D23/W12	CD-230-RA	WOMT120408-...-D42	50	350	395	80	50			
QD5080-50-7D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	356	401	80	50.8			
QD5100-50-7D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	357	402	80	51			
QD5200-50-7D-CD25/W12	CD-250-RA	WOMT120408-...-D42	50	364	409	80	52			
QD5300-50-7D-CD26/W12	CD-260-RA	WOMT120408-...-D42	50	371	416	80	53			
QD5398-50-7D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	378	423	80	53.98	Key27-32		
QD5400-50-7D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	379	424	80	54			
QD5500-50-7D-CD28/W12	CD-280-RA	WOMT120408-...-D42	50	385	430	80	55			

QD. . . -7D...-CD/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



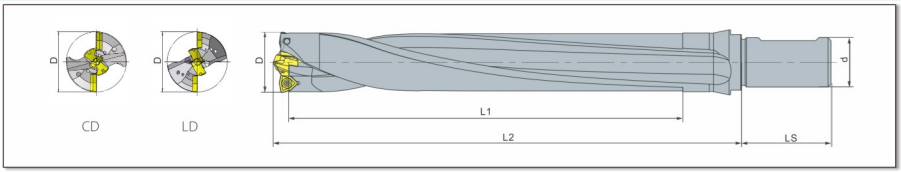
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-7D-CD20/W15	CD-200-RA	WOMT150308-...-D55	50	392	437	80	56	Key17-19.9	M5X10	T20
QD5700-50-7D-CD21/W15	CD-210-RA	WOMT150308-...-D55	50	399	444	80	57			
QD5800-50-7D-CD22/W15	CD-220-RA	WOMT150308-...-D55	50	406	451	80	58			
QD5900-50-7D-CD23/W15	CD-230-RA	WOMT150308-...-D55	50	413	458	80	59			
QD6000-50-7D-CD24/W15	CD-240-RA	WOMT150308-...-D55	50	420	465	80	60	Key20-26		
QD6100-50-7D-CD25/W15	CD-250-RA	WOMT150308-...-D55	50	427	472	80	61			
QD6200-50-7D-CD26/W15	CD-260-RA	WOMT150308-...-D55	50	434	479	80	62			
QD6300-50-7D-CD27/W15	CD-270-RA	WOMT150308-...-D55	50	441	486	80	63			
QD6400-50-7D-CD28/W15	CD-280-RA	WOMT150308-...-D55	50	448	493	80	64			
QD6500-50-7D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	455	500	80	65	Key27-32		
QD6600-50-7D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	462	507	80	66			
QD6700-50-7D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	469	514	80	67			
QD6800-50-7D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	476	521	80	68			
QD6900-50-7D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	483	528	80	69			
QD7000-50-7D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	490	535	80	70			
QD7100-50-7D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	497	576	80	71	Key33-38		
QD7200-50-7D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	504	584	80	72			
QD7300-50-7D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	511	592	80	73			
QD7400-50-7D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	518	600	80	74			
QD7500-50-7D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	525	608	80	75			
QD7600-50-7D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	532	616	80	76			
QD7700-50-7D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	539	624	80	77			
QD7800-50-7D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	546	632	80	78	Key39-45		
QD7900-50-7D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	553	640	80	79			
QD8000-50-7D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	560	648	80	80			

QD. . . -8D...-CD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



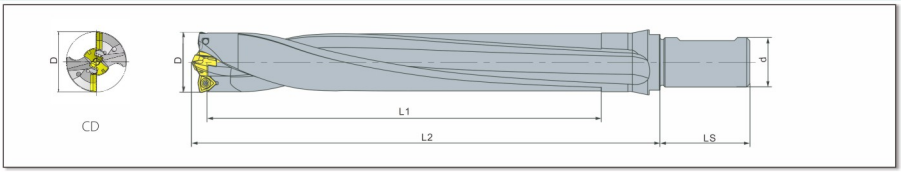
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-8D-CD14/A04	CD-140-RA	AOMT040308	32	224	258	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-8D-CD15/A04	CD-150-RA	AOMT040308	32	229	263	60	28.58			
QD2900-32-8D-CD16/A04	CD-160-RA	AOMT040308	32	232	266	60	29			
QD2936-32-8D-CD16/A04	CD-160-RA	AOMT040308	32	235	269	60	29.36			
QD3000-32-8D-CD16/A04	CD-160-RA	AOMT040308	32	240	275	60	30			
QD3018-32-8D-CD18/A04	CD-180-RA	AOMT040308	32	242	277	60	30.18	Key17-19.9		
QD3096-32-8D-CD18/A04	CD-180-RA	AOMT040308	32	248	283	60	30.96			
QD3100-32-8D-CD18/A04	CD-180-RA	AOMT040308	32	249	284	60	31			
QD3175-32-8D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	254	291	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-8D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	256	293	60	32			
QD3300-32-8D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	264	301	60	33			
QD3320-32-8D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	266	303	60	33.2			
QD3335-32-8D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	267	304	60	33.35			
QD3400-32-8D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	272	309	60	34			
QD3493-32-8D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	280	317	60	34.93	Key17-19.9		
QD3500-32-8D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	281	319	60	35			
QD3600-32-8D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	288	326	60	36			
QD3653-32-8D-CD19/W08	CD-190-RA	WOMT080308-...-D33	32	293	331	60	36.53			
QD3700-32-8D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	296	334	60	37	Key14-16.9	M4X10	T15
QD3750-32-8D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	300	338	60	37.5			
QD3800-32-8D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	304	344	60	38			
QD3810-32-8D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	305	345	60	38.1			
QD3900-32-8D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	312	352	60	39	Key17-19.9		
QD3920-32-8D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	314	354	60	39.2			
QD3970-32-8D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	318	358	60	39.7			
QD4000-32-8D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	320	363	60	40			
QD4100-32-8D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	328	371	60	41			
QD4128-32-8D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	331	374	60	41.28			
QD4200-50-8D-CD19/W10	CD-190-RA	WOMT120408-...-D42	50	336	380	80	42			
QD4300-50-8D-CD16/W12	CD-160-RA	WOMT120408-...-D42	50	344	388	80	43	Key14-16.9		
QD4400-50-8D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	352	396	80	44	Key17-19.9		
QD4445-50-8D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	356	400	80	44.45			
QD4500-50-8D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	360	404	80	45			
QD4600-50-8D-CD19/W12	CD-190-RA	WOMT120408-...-D42	50	368	412	80	46			
QD4700-50-8D-CD20/W12	CD-200-RA	WOMT120408-...-D42	50	376	420	80	47			
QD4763-50-8D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	382	426	80	47.63	Key20-26.9		
QD4800-50-8D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	384	429	80	48			
QD4900-50-8D-CD22/W12	CD-220-RA	WOMT120408-...-D42	50	392	437	80	49			
QD5000-50-8D-CD23/W12	CD-230-RA	WOMT120408-...-D42	50	400	445	80	50			
QD5080-50-8D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	407	452	80	50.8			
QD5100-50-8D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	408	453	80	51			
QD5200-50-8D-CD25/W12	CD-250-RA	WOMT120408-...-D42	50	416	461	80	52			
QD5300-50-8D-CD26/W12	CD-260-RA	WOMT120408-...-D42	50	424	469	80	53			
QD5398-50-8D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	432	477	80	53.98	Key27-32		
QD5400-50-8D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	433	478	80	54			
QD5500-50-8D-CD28/W12	CD-280-RA	WOMT120408-...-D42	50	440	485	80	55			

QD. . . -8D...-CD/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



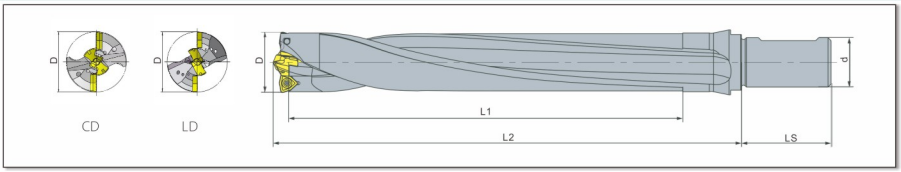
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-8D-CD20/W15	CD-200-RA	WOMT150308-...-D55	50	448	493	80	56	Key17-19.9	M5X10	T20
QD5700-50-8D-CD21/W15	CD-210-RA	WOMT150308-...-D55	50	456	501	80	57			
QD5800-50-8D-CD22/W15	CD-220-RA	WOMT150308-...-D55	50	464	509	80	58			
QD5900-50-8D-CD23/W15	CD-230-RA	WOMT150308-...-D55	50	472	517	80	59			
QD6000-50-8D-CD24/W15	CD-240-RA	WOMT150308-...-D55	50	480	525	80	60	Key20-26		
QD6100-50-8D-CD25/W15	CD-250-RA	WOMT150308-...-D55	50	488	533	80	61			
QD6200-50-8D-CD26/W15	CD-260-RA	WOMT150308-...-D55	50	496	541	80	62			
QD6300-50-8D-CD27/W15	CD-270-RA	WOMT150308-...-D55	50	504	549	80	63			
QD6400-50-8D-CD28/W15	CD-280-RA	WOMT150308-...-D55	50	512	557	80	64			
QD6500-50-8D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	520	565	80	65	Key27-32		
QD6600-50-8D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	528	573	80	66			
QD6700-50-8D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	536	581	80	67			
QD6800-50-8D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	544	589	80	68			
QD6900-50-8D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	552	597	80	69			
QD7000-50-8D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	560	605	80	70			
QD7100-50-8D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	568	647	80	71	Key33-38		
QD7200-50-8D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	576	656	80	72			
QD7300-50-8D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	584	673	80	73			
QD7400-50-8D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	592	682	80	74			
QD7500-50-8D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	600	691	80	75			
QD7600-50-8D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	608	670	80	76			
QD7700-50-8D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	616	679	80	77			
QD7800-50-8D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	624	688	80	78	Key39-45		
QD7900-50-8D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	632	697	80	79			
QD8000-50-8D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	640	706	80	80			

QD. . . −10D...−CD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD2800-32-10D-CD14/A04	CD-140-RA	AOMT040308	32	280	314	60	28	Key14-16.9	M2.5X8	T9
QD2858-32-10D-CD15/A04	CD-150-RA	AOMT040308	32	286	320	60	28.58			
QD2900-32-10D-CD16/A04	CD-160-RA	AOMT040308	32	290	324	60	29			
QD2936-32-10D-CD16/A04	CD-160-RA	AOMT040308	32	294	328	60	29.36			
QD3000-32-10D-CD16/A04	CD-160-RA	AOMT040308	32	300	335	60	30			
QD3018-32-10D-CD18/A04	CD-180-RA	AOMT040308	32	302	337	60	30.18	Key17-19.9		
QD3096-32-10D-CD18/A04	CD-180-RA	AOMT040308	32	310	345	60	30.96			
QD3100-32-10D-CD18/A04	CD-180-RA	AOMT040308	32	311	346	60	31			
QD3175-32-10D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	318	355	60	31.75	Key14-16.9	M3X8	T10
QD3200-32-10D-CD15/W08	CD-150-RA	WOMT080308-...-D33	32	320	357	60	32			
QD3300-32-10D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	330	367	60	33			
QD3320-32-10D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	332	369	60	33.2			
QD3335-32-10D-CD16/W08	CD-160-RA	WOMT080308-...-D33	32	334	371	60	33.35			
QD3400-32-10D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	340	377	60	34			
QD3493-32-10D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	350	387	60	34.93	Key17-19.9		
QD3500-32-10D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	350	388	60	35			
QD3600-32-10D-CD18/W08	CD-180-RA	WOMT080308-...-D33	32	360	398	60	36			
QD3653-32-10D-CD19/W08	CD-190-RA	WOMT080308-...-D33	32	366	404	60	36.53			
QD3700-32-10D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	370	408	60	37	Key14-16.9	M4X10	T15
QD3750-32-10D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	375	413	60	37.5			
QD3800-32-10D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	380	420	60	38			
QD3810-32-10D-CD16/W10	CD-160-RA	WOMT100308-...-D39	32	381	421	60	38.1			
QD3900-32-10D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	390	430	60	39	Key17-19.9		
QD3920-32-10D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	392	432	60	39.2			
QD3970-32-10D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	397	437	60	39.7			
QD4000-32-10D-CD18/W10	CD-180-RA	WOMT100308-...-D39	32	400	443	60	40			
QD4100-32-10D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	410	453	60	41			
QD4128-32-10D-CD19/W10	CD-190-RA	WOMT100308-...-D39	32	413	456	60	41.28			
QD4200-50-10D-CD19/W10	CD-190-RA	WOMT120408-...-D42	50	420	464	80	42			
QD4300-50-10D-CD16/W12	CD-160-RA	WOMT120408-...-D42	50	430	474	80	43	Key14-16.9		
QD4400-50-10D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	440	484	80	44	Key17-19.9		
QD4445-50-10D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	445	489	80	44.45			
QD4500-50-10D-CD18/W12	CD-180-RA	WOMT120408-...-D42	50	450	494	80	45			
QD4600-50-10D-CD19/W12	CD-190-RA	WOMT120408-...-D42	50	460	504	80	46			
QD4700-50-10D-CD20/W12	CD-200-RA	WOMT120408-...-D42	50	470	514	80	47			
QD4763-50-10D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	477	521	80	47.63	Key20-26.9		
QD4800-50-10D-CD21/W12	CD-210-RA	WOMT120408-...-D42	50	480	525	80	48			
QD4900-50-10D-CD22/W12	CD-220-RA	WOMT120408-...-D42	50	490	535	80	49			
QD5000-50-10D-CD23/W12	CD-230-RA	WOMT120408-...-D42	50	500	545	80	50			
QD5080-50-10D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	508	553	80	50.8			
QD5100-50-10D-CD24/W12	CD-240-RA	WOMT120408-...-D42	50	510	555	80	51			
QD5200-50-10D-CD25/W12	CD-250-RA	WOMT120408-...-D42	50	520	565	80	52			
QD5300-50-10D-CD26/W12	CD-260-RA	WOMT120408-...-D42	50	530	575	80	53			
QD5398-50-10D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	540	585	80	53.98	Key27-32		
QD5400-50-10D-CD27/W12	CD-270-RA	WOMT120408-...-D42	50	541	586	80	54			
QD5500-50-10D-CD28/W12	CD-280-RA	WOMT120408-...-D42	50	550	595	80	55			

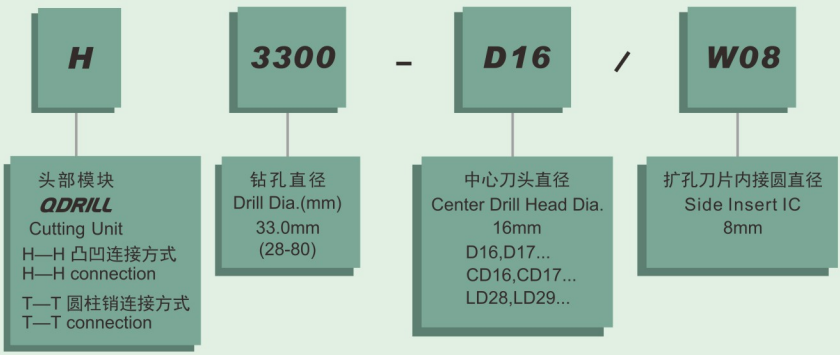
QD. . . −10D...−CD/LD... Multi Tip系列整体式复合钻头刀体 Multi Tip Line Solid Toolholders



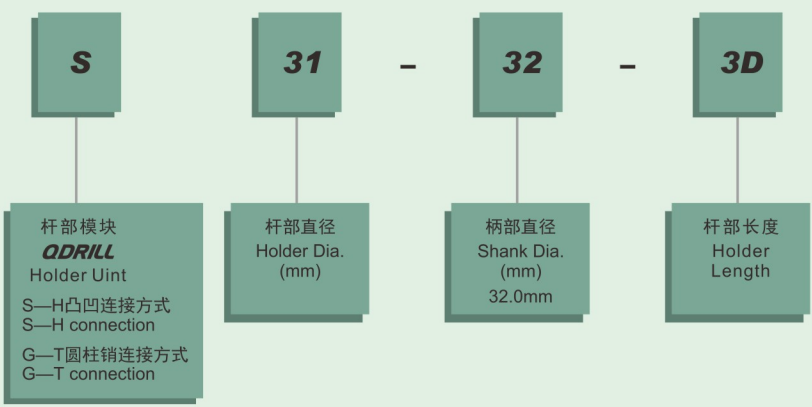
订货号 Order No.	中心刀头 Center Dirll head Dia	扩孔刀片x2 Side Insert x2	尺寸 Dimensions(mm)					配件 Spare Parts		
			d	L1	L2	Ls	D			
QD5600-50-10D-CD20/W15	CD-200-RA	WOMT150308-...-D55	50	560	605	80	56	Key17-19.9	M5X10	T20
QD5700-50-10D-CD21/W15	CD-210-RA	WOMT150308-...-D55	50	570	615	80	57			
QD5800-50-10D-CD22/W15	CD-220-RA	WOMT150308-...-D55	50	580	625	80	58			
QD5900-50-10D-CD23/W15	CD-230-RA	WOMT150308-...-D55	50	590	635	80	59			
QD6000-50-10D-CD24/W15	CD-240-RA	WOMT150308-...-D55	50	600	645	80	60	Key20-26		
QD6100-50-10D-CD25/W15	CD-250-RA	WOMT150308-...-D55	50	610	655	80	61			
QD6200-50-10D-CD26/W15	CD-260-RA	WOMT150308-...-D55	50	620	665	80	62			
QD6300-50-10D-CD27/W15	CD-270-RA	WOMT150308-...-D55	50	630	675	80	63			
QD6400-50-10D-CD28/W15	CD-280-RA	WOMT150308-...-D55	50	640	685	80	64			
QD6500-50-10D-LD29/W15	LD-290-RA	WOMT150308-...-D55	50	650	695	80	65	Key27-32		
QD6600-50-10D-LD30/W15	LD-300-RA	WOMT150308-...-D55	50	660	705	80	66			
QD6700-50-10D-LD31/W15	LD-310-RA	WOMT150308-...-D55	50	670	715	80	67			
QD6800-50-10D-LD32/W15	LD-320-RA	WOMT150308-...-D55	50	680	725	80	68			
QD6900-50-10D-LD33/W15	LD-330-RA	WOMT150308-...-D55	50	690	735	80	69			
QD7000-50-10D-LD34/W15	LD-340-RA	WOMT150308-...-D55	50	700	745	80	70			
QD7100-50-10D-LD35/W15	LD-350-RA	WOMT150308-...-D55	50	710	789	80	71	Key33-38		
QD7200-50-10D-LD36/W15	LD-360-RA	WOMT150308-...-D55	50	720	800	80	72			
QD7300-50-10D-LD37/W15	LD-370-RA	WOMT150308-...-D55	50	730	811	80	73			
QD7400-50-10D-LD38/W15	LD-380-RA	WOMT150308-...-D55	50	740	822	80	74			
QD7500-50-10D-LD39/W15	LD-390-RA	WOMT150308-...-D55	50	750	833	80	75			
QD7600-50-10D-LD40/W15	LD-400-RA	WOMT150308-...-D55	50	760	844	80	76			
QD7700-50-10D-LD41/W15	LD-410-RA	WOMT150308-...-D55	50	770	855	80	77			
QD7800-50-10D-LD42/W15	LD-420-RA	WOMT150308-...-D55	50	780	866	80	78	Key39-45		
QD7900-50-10D-LD43/W15	LD-430-RA	WOMT150308-...-D55	50	632	697	80	79			
QD8000-50-10D-LD44/W15	LD-440-RA	WOMT150308-...-D55	50	640	706	80	80			

Multi Tip系列分体式复合钻头刀体编码系统 Multi Tip Line Modular Toolholder Code System

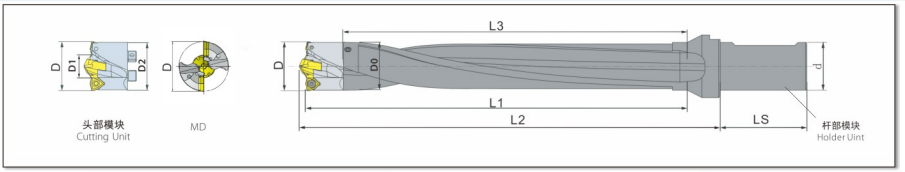
头部模块编码系统
Cutting unit ordering code system



杆部模块编码系统
Holder unit ordering code system

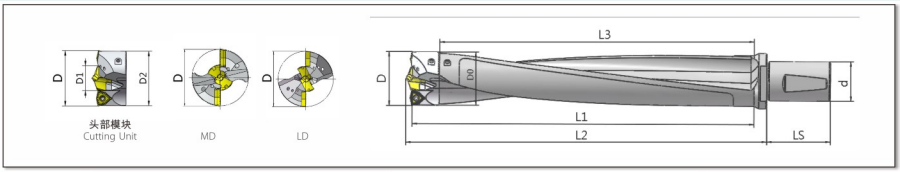


3D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



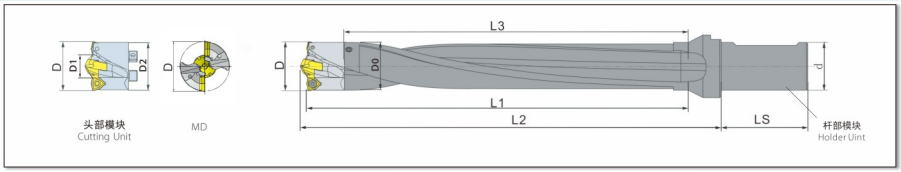
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-D14/A04	28.00	MD-140-RA	AOMT040308	S27-32-3D	27.5	27	32	95	134	75	60	IF28	Key14-16.9	M2.5X8	T9
H2858-D15/A04	28.58	MD-150-RA	AOMT040308		27.5	27	32	95	134	75	60				
H2900-D16/A04	29.00	MD-160-RA	AOMT040308		27.5	27	32	95	134	75	60				
H2936-D16/A04	29.36	MD-160-RA	AOMT040308		27.5	27	32	95	134	75	60				
H3000-D16/A04	30.00	MD-160-RA	AOMT040308	S29-32-3D	29.5	29	32	100	138	80	60		Key17-19.9		
H3018-D18/A04	30.18	MD-180-RA	AOMT040308		29.5	29	32	100	138	80	60				
H3096-D18/A04	30.96	MD-180-RA	AOMT040308		29.5	29	32	100	138	80	60				
H3100-D18/A04	31.00	MD-180-RA	AOMT040308		29.5	29	32	100	138	80	60				
H3175-D15/W08	31.75	MD-150-RA	WOMT080308-...-D33	S31-32-3D	31.25	30.75	32	112	148	90	60	IF32	Key14-16.9	M3X10	T10
H3200-D15/W08	32.00	MD-150-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3300-D16/W08	33.00	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3320-D16/W08	33.20	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3335-D16/W08	33.35	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3400-D18/W08	34.00	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3493-D18/W08	34.93	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60		Key17-19.9		
H3500-D18/W08	35.00	MD-180-RA	WOMT080308-...-D33	S34-32-3D	34.5	34	32	122	160	100	60				
H3600-D18/W08	36.00	MD-180-RA	WOMT080308-...-D33		34.5	34	32	122	160	100	60				
H3653-D19/W08	36.53	MD-190-RA	WOMT080308-...-D33		34.5	34	32	122	160	100	60				
H3700-D16/W10	37.00	MD-160-RA	WOMT100308-...-D39		34.5	34	32	122	160	100	60				
H3750-D16/W10	37.50	MD-160-RA	WOMT100308-...-D39		34.5	34	32	122	160	100	60				
H3800-D16/W10	38.00	MD-160-RA	WOMT100308-...-D39	S37-32-3D	37.5	37	32	125	165	100	60	IF38	Key14-16.9	M4X12	T15
H3810-D16/W10	38.10	MD-160-RA	WOMT100308-...-D39		37.5	37	32	125	165	100	60				
H3900-D18/W10	39.00	MD-180-RA	WOMT100308-...-D39		37.5	37	32	125	165	100	60				
H3920-D18/W10	39.20	MD-180-RA	WOMT100308-...-D39		37.5	37	32	125	165	100	60				
H3970-D18/W10	39.70	MD-180-RA	WOMT100308-...-D39		37.5	37	32	125	165	100	60		Key17-20		
H4000-D18/W10	40.00	MD-180-RA	WOMT100308-...-D39	S39-50-3D	39.5	39	50	135	180	110	60				
H4100-D19/W10	41.00	MD-190-RA	WOMT100308-...-D39		39.5	39	50	135	180	110	60				
H4128-D19/W10	41.28	MD-190-RA	WOMT100308-...-D39		39.5	39	50	135	180	110	60				
H4200-D19/W10	42.00	MD-190-RA	WOMT120408-...-D42	S41-50-3D	41.5	41	50	140	185	115	80	IF42	Key14-16.9		
H4300-D16/W12	43.00	MD-160-RA	WOMT120408-...-D42		41.5	41	50	140	185	115	80				
H4400-D18/W12	44.00	MD-180-RA	WOMT120408-...-D42		41.5	41	50	140	185	115	80				
H4445-D18/W12	44.45	MD-180-RA	WOMT120408-...-D42		41.5	41	50	140	185	115	80		Key17-19.9		
H4500-D18/W12	45.00	MD-180-RA	WOMT120408-...-D42	S44-50-3D	44.5	44	50	150	195	124	80				
H4600-D19/W12	46.00	MD-190-RA	WOMT120408-...-D42		44.5	44	50	150	195	124	80				
H4700-D20/W12	47.00	MD-200-RA	WOMT120408-...-D42		44.5	44	50	150	195	124	80				
H4763-D21/W12	47.63	MD-210-RA	WOMT120408-...-D42		44.5	44	50	150	195	124	80				
H4800-D21/W12	48.00	MD-210-RA	WOMT120408-...-D42	S47-50-3D	47.5	47	50	160	200	125	80	IF48	Key20-26		
H4900-D22/W12	49.00	MD-220-RA	WOMT120408-...-D42		47.5	47	50	160	200	125	80				
H5000-D23/W12	50.00	MD-230-RA	WOMT120408-...-D42		47.5	47	50	160	200	125	80				
H5080-D24/W12	50.80	MD-240-RA	WOMT120408-...-D42	S50-50-3D	50.3	49.8	50	170	210	135	80				
H5100-D24/W12	51.00	MD-240-RA	WOMT120408-...-D42		50.3	49.8	50	170	210	135	80				
H5200-D25/W12	52.00	MD-250-RA	WOMT120408-...-D42		50.3	49.8	50	170	210	135	80				
H5300-D26/W12	53.00	MD-260-RA	WOMT120408-...-D42		50.3	49.8	50	170	210	135	80				
H5398-D27/W12	53.98	MD-270-RA	WOMT120408-...-D42	S53-50-3D	53.4	53	50	175	215	140	80				
H5400-D27/W12	54.00	MD-270-RA	WOMT120408-...-D42		53.4	53	50	175	215	140	80				
H5500-D28/W12	55.00	MD-280-RA	WOMT120408-...-D42		53.4	53	50	175	215	140	80				

3D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



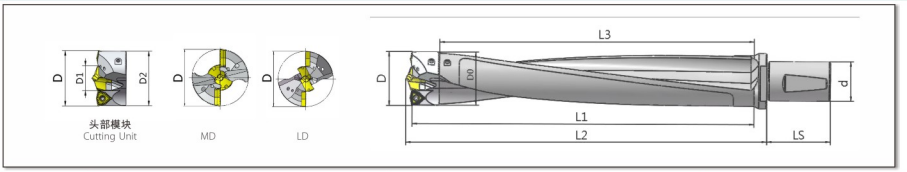
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刃头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-D20/W15	56.00	MD-200-RA	WOMT150308-...-D55	G53-50-3D	55	53	50	214	237	180	80	IF53	Key20-26	M5X10	T20
T5700-D21/W15	57.00	MD-210-RA	WOMT150308-...-D55		56	53	50	214	237	180	80				
T5800-D22/W15	58.00	MD-220-RA	WOMT150308-...-D55		57	53	50	214	237	180	80				
T5900-D23/W15	59.00	MD-230-RA	WOMT150308-...-D55	G58-50-3D	58	58	50	234	262	200	80	IF58			
T6000-D24/W15	60.00	MD-240-RA	WOMT150308-...-D55		59	58	50	234	262	200	80				
T6100-D25/W15	61.00	MD-250-RA	WOMT150308-...-D55		60	58	50	234	262	200	80				
T6200-D26/W15	62.00	MD-260-RA	WOMT150308-...-D55		61	58	50	234	262	200	80				
T6300-D27/W15	63.00	MD-270-RA	WOMT150308-...-D55		62	58	50	234	262	200	80				
T6400-D28/W15	64.00	MD-280-RA	WOMT150308-...-D55		63	58	50	234	262	200	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-3D	64	64	50	250	273	215	80	IF64	Key27-32		
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	250	273	215	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	250	273	215	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	250	273	215	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	250	273	215	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	250	273	215	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	250	273	215	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-3D	71	71	50	285	305	245	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	285	305	245	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	285	305	245	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	285	305	245	80				
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	285	305	245	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	285	305	245	80		Key39-45		
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	285	305	245	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	285	305	245	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	285	305	245	80				

5D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



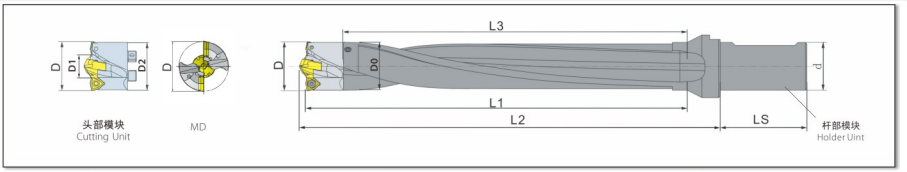
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-D14/A04	28.00	MD-140-RA	AOMT040308	S27-32-5D	27.5	27	32	155	194	135	60	IF28	Key14-16.9	M2.5X8	T9
H2858-D15/A04	28.58	MD-150-RA	AOMT040308		27.5	27	32	155	194	135	60				
H2900-D16/A04	29.00	MD-160-RA	AOMT040308		27.5	27	32	155	194	135	60				
H2936-D16/A04	29.36	MD-160-RA	AOMT040308		27.5	27	32	155	194	135	60				
H3000-D16/A04	30.00	MD-160-RA	AOMT040308	S29-32-5D	29.5	29	32	160	199	140	60		Key17-19.9		
H3018-D18/A04	30.18	MD-180-RA	AOMT040308		29.5	29	32	160	199	140	60				
H3096-D18/A04	30.96	MD-180-RA	AOMT040308		29.5	29	32	160	199	140	60				
H3100-D18/A04	31.00	MD-180-RA	AOMT040308		29.5	29	32	160	199	140	60				
H3175-D15/W08	31.75	MD-150-RA	WOMT080308-...-D33	S31-32-5D	31.25	30.75	32	177	212	155	60	IF32	Key14-16.9	M3X10	T10
H3200-D15/W08	32.00	MD-150-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3300-D16/W08	33.00	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3320-D16/W08	33.20	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3335-D16/W08	33.35	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3400-D18/W08	34.00	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3493-D18/W08	34.93	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60		Key17-19.9		
H3500-D18/W08	35.00	MD-180-RA	WOMT080308-...-D33	S34-32-5D	34.5	34	32	192	230	170	60				
H3600-D18/W08	36.00	MD-180-RA	WOMT080308-...-D33		34.5	34	32	192	230	170	60				
H3653-D19/W08	36.53	MD-190-RA	WOMT080308-...-D33		34.5	34	32	192	230	170	60				
H3700-D16/W10	37.00	MD-160-RA	WOMT100308-...-D39		34.5	34	32	192	230	170	60				
H3750-D16/W10	37.50	MD-160-RA	WOMT100308-...-D39		34.5	34	32	192	230	170	60				
H3800-D16/W10	38.00	MD-160-RA	WOMT100308-...-D39	S37-32-5D	37.5	37	32	215	245	190	60	IF38	Key14-16.9	M4X12	T15
H3810-D16/W10	38.10	MD-160-RA	WOMT100308-...-D39		37.5	37	32	215	245	190	60				
H3900-D18/W10	39.00	MD-180-RA	WOMT100308-...-D39		37.5	37	32	215	245	190	60				
H3920-D18/W10	39.20	MD-180-RA	WOMT100308-...-D39		37.5	37	32	215	245	190	60				
H3970-D18/W10	39.70	MD-180-RA	WOMT100308-...-D39		37.5	37	32	215	245	190	60		Key17-20		
H4000-D18/W10	40.00	MD-180-RA	WOMT100308-...-D39	S39-50-5D	39.5	39	50	220	265	195	60				
H4100-D19/W10	41.00	MD-190-RA	WOMT100308-...-D39		39.5	39	50	220	265	195	60				
H4128-D19/W10	41.28	MD-190-RA	WOMT100308-...-D39		39.5	39	50	220	265	195	60				
H4200-D19/W10	42.00	MD-190-RA	WOMT120408-...-D42	S41-50-5D	41.5	41	50	230	277	205	80	IF42	Key14-16.9		
H4300-D16/W12	43.00	MD-160-RA	WOMT120408-...-D42		41.5	41	50	230	277	205	80				
H4400-D18/W12	44.00	MD-180-RA	WOMT120408-...-D42		41.5	41	50	230	277	205	80				
H4445-D18/W12	44.45	MD-180-RA	WOMT120408-...-D42		41.5	41	50	230	277	205	80		Key17-19.9		
H4500-D18/W12	45.00	MD-180-RA	WOMT120408-...-D42	S44-50-5D	44.5	44	50	245	285	219	80				
H4600-D19/W12	46.00	MD-190-RA	WOMT120408-...-D42		44.5	44	50	245	285	219	80				
H4700-D20/W12	47.00	MD-200-RA	WOMT120408-...-D42		44.5	44	50	245	285	219	80				
H4763-D21/W12	47.63	MD-210-RA	WOMT120408-...-D42		44.5	44	50	245	285	219	80				
H4800-D21/W12	48.00	MD-210-RA	WOMT120408-...-D42	S47-50-5D	47.5	47	50	260	305	225	80	IF48	Key20-26		
H4900-D22/W12	49.00	MD-220-RA	WOMT120408-...-D42		47.5	47	50	260	305	225	80				
H5000-D23/W12	50.00	MD-230-RA	WOMT120408-...-D42		47.5	47	50	260	305	225	80				
H5080-D24/W12	50.80	MD-240-RA	WOMT120408-...-D42	S50-50-5D	50.3	49.8	50	275	315	240	80				
H5100-D24/W12	51.00	MD-240-RA	WOMT120408-...-D42		50.3	49.8	50	275	315	240	80				
H5200-D25/W12	52.00	MD-250-RA	WOMT120408-...-D42		50.3	49.8	50	275	315	240	80				
H5300-D26/W12	53.00	MD-260-RA	WOMT120408-...-D42		50.3	49.8	50	275	315	240	80				
H5398-D27/W12	53.98	MD-270-RA	WOMT120408-...-D42	S53-50-5D	53.4	53	50	280	320	245	80				
H5400-D27/W12	54.00	MD-270-RA	WOMT120408-...-D42		53.4	53	50	280	320	245	80				
H5500-D28/W12	55.00	MD-280-RA	WOMT120408-...-D42		53.4	53	50	280	320	245	80				

5D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



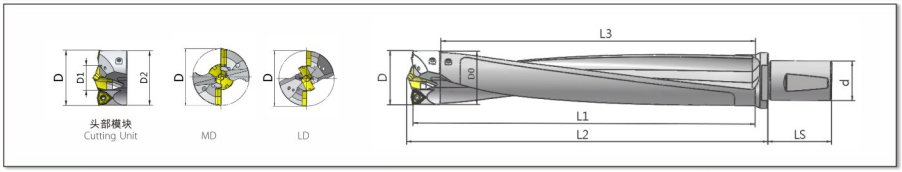
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刃头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-D20/W15	56.00	MD-200-RA	WOMT150308-...-D55	G53-50-5D	55	53	50	321	321	287	80	IF53	Key20-26	M5X10	T20
T5700-D21/W15	57.00	MD-210-RA	WOMT150308-...-D55		56	53	50	321	321	287	80				
T5800-D22/W15	58.00	MD-220-RA	WOMT150308-...-D55		57	53	50	321	321	287	80				
T5900-D23/W15	59.00	MD-230-RA	WOMT150308-...-D55	G58-50-5D	58	58	50	359	359	325	80	IF58			
T6000-D24/W15	60.00	MD-240-RA	WOMT150308-...-D55		59	58	50	359	359	325	80				
T6100-D25/W15	61.00	MD-250-RA	WOMT150308-...-D55		60	58	50	359	359	325	80				
T6200-D26/W15	62.00	MD-260-RA	WOMT150308-...-D55		61	58	50	359	359	325	80				
T6300-D27/W15	63.00	MD-270-RA	WOMT150308-...-D55		62	58	50	359	359	325	80				
T6400-D28/W15	64.00	MD-280-RA	WOMT150308-...-D55		63	58	50	359	359	325	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-5D	64	64	50	385	385	350	80	IF64	Key27-32		
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	385	385	350	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	385	385	350	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	385	385	350	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	385	385	350	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	385	385	350	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	385	385	350	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-5D	71	71	50	445	445	405	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	445	445	405	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	445	445	405	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	445	445	405	80				
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	445	445	405	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	445	445	405	80		Key39-45		
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	445	445	405	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	445	445	405	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	445	445	405	80				

6D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



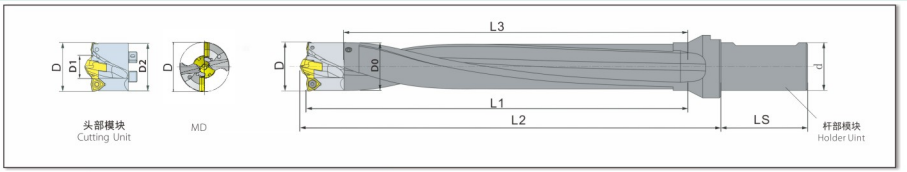
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-D14/A04	28.00	MD-140-RA	AOMT040308	S27-32-6D	27.5	27	32	180	220	160	60	IF28	Key14-16.9	M2.5X8	T9
H2858-D15/A04	28.58	MD-150-RA	AOMT040308		27.5	27	32	180	220	160	60				
H2900-D16/A04	29.00	MD-160-RA	AOMT040308		27.5	27	32	180	220	160	60				
H2936-D16/A04	29.36	MD-160-RA	AOMT040308		27.5	27	32	180	220	160	60				
H3000-D16/A04	30.00	MD-160-RA	AOMT040308	S29-32-6D	29.5	29	32	195	233	175	60		Key17-19.9		
H3018-D18/A04	30.18	MD-180-RA	AOMT040308		29.5	29	32	195	233	175	60				
H3096-D18/A04	30.96	MD-180-RA	AOMT040308		29.5	29	32	195	233	175	60				
H3100-D18/A04	31.00	MD-180-RA	AOMT040308		29.5	29	32	195	233	175	60				
H3175-D15/W08	31.75	MD-150-RA	WOMT080308-...-D33	S31-32-6D	31.25	30.75	32	211	246	189	60	IF32	Key14-16.9	M3X10	T10
H3200-D15/W08	32.00	MD-150-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3300-D16/W08	33.00	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3320-D16/W08	33.20	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3335-D16/W08	33.35	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3400-D18/W08	34.00	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3493-D18/W08	34.93	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60		Key17-19.9		
H3500-D18/W08	35.00	MD-180-RA	WOMT080308-...-D33	S34-32-6D	34.5	34	32	227	265	205	60				
H3600-D18/W08	36.00	MD-180-RA	WOMT080308-...-D33		34.5	34	32	227	265	205	60				
H3653-D19/W08	36.53	MD-190-RA	WOMT080308-...-D33		34.5	34	32	227	265	205	60				
H3700-D16/W10	37.00	MD-160-RA	WOMT100308-...-D39		34.5	34	32	227	265	205	60				
H3750-D16/W10	37.50	MD-160-RA	WOMT100308-...-D39		34.5	34	32	227	265	205	60				
H3800-D16/W10	38.00	MD-160-RA	WOMT100308-...-D39	S37-32-6D	37.5	37	32	255	290	230	60	IF38	Key14-16.9	M4X12	T15
H3810-D16/W10	38.10	MD-160-RA	WOMT100308-...-D39		37.5	37	32	255	290	230	60				
H3900-D18/W10	39.00	MD-180-RA	WOMT100308-...-D39		37.5	37	32	255	290	230	60				
H3920-D18/W10	39.20	MD-180-RA	WOMT100308-...-D39		37.5	37	32	255	290	230	60				
H3970-D18/W10	39.70	MD-180-RA	WOMT100308-...-D39		37.5	37	32	255	290	230	60		Key17-20		
H4000-D18/W10	40.00	MD-180-RA	WOMT100308-...-D39	S39-50-6D	39.5	39	50	257	305	232	60				
H4100-D19/W10	41.00	MD-190-RA	WOMT100308-...-D39		39.5	39	50	257	305	232	60				
H4128-D19/W10	41.28	MD-190-RA	WOMT100308-...-D39		39.5	39	50	257	305	232	60				
H4200-D19/W10	42.00	MD-190-RA	WOMT120408-...-D42	S41-50-6D	41.5	41	50	275	320	250	80	IF42	Key14-16.9		
H4300-D16/W12	43.00	MD-160-RA	WOMT120408-...-D42		41.5	41	50	275	320	250	80				
H4400-D18/W12	44.00	MD-180-RA	WOMT120408-...-D42		41.5	41	50	275	320	250	80				
H4445-D18/W12	44.45	MD-180-RA	WOMT120408-...-D42		41.5	41	50	275	320	250	80		Key17-19.9		
H4500-D18/W12	45.00	MD-180-RA	WOMT120408-...-D42	S44-50-6D	44.5	44	50	295	350	269	80				
H4600-D19/W12	46.00	MD-190-RA	WOMT120408-...-D42		44.5	44	50	295	350	269	80				
H4700-D20/W12	47.00	MD-200-RA	WOMT120408-...-D42		44.5	44	50	295	350	269	80				
H4763-D21/W12	47.63	MD-210-RA	WOMT120408-...-D42		44.5	44	50	295	350	269	80				
H4800-D21/W12	48.00	MD-210-RA	WOMT120408-...-D42	S47-50-6D	47.5	47	50	310	350	275	80	IF48	Key20-26		
H4900-D22/W12	49.00	MD-220-RA	WOMT120408-...-D42		47.5	47	50	310	350	275	80				
H5000-D23/W12	50.00	MD-230-RA	WOMT120408-...-D42		47.5	47	50	310	350	275	80				
H5080-D24/W12	50.80	MD-240-RA	WOMT120408-...-D42	S50-50-6D	50.3	49.8	50	330	370	295	80				
H5100-D24/W12	51.00	MD-240-RA	WOMT120408-...-D42		50.3	49.8	50	330	370	295	80				
H5200-D25/W12	52.00	MD-250-RA	WOMT120408-...-D42		50.3	49.8	50	330	370	295	80				
H5300-D26/W12	53.00	MD-260-RA	WOMT120408-...-D42		50.3	49.8	50	330	370	295	80				
H5398-D27/W12	53.98	MD-270-RA	WOMT120408-...-D42	S53-50-6D	53.4	53	50	340	380	305	80				
H5400-D27/W12	54.00	MD-270-RA	WOMT120408-...-D42		53.4	53	50	340	380	305	80				
H5500-D28/W12	55.00	MD-280-RA	WOMT120408-...-D42		53.4	53	50	340	380	305	80				

6D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



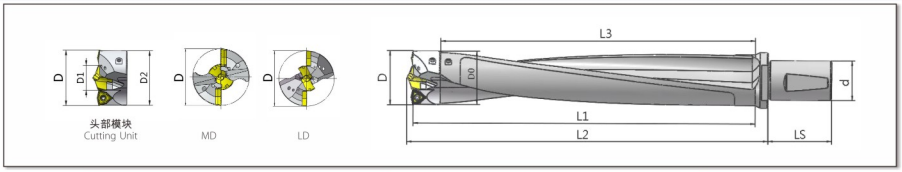
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-D20/W15	56.00	MD-200-RA	WOMT150308-...-D55	G53-50-6D	55	53	50	374	397	340	80	IF53	Key20-26	M5X10	T20
T5700-D21/W15	57.00	MD-210-RA	WOMT150308-...-D55		56	53	50	374	397	340	80				
T5800-D22/W15	58.00	MD-220-RA	WOMT150308-...-D55		57	53	50	374	397	340	80				
T5900-D23/W15	59.00	MD-230-RA	WOMT150308-...-D55	G58-50-6D	58	58	50	422	450	388	80	IF58			
T6000-D24/W15	60.00	MD-240-RA	WOMT150308-...-D55		59	58	50	422	450	325	80				
T6100-D25/W15	61.00	MD-250-RA	WOMT150308-...-D55		60	58	50	422	450	325	80				
T6200-D26/W15	62.00	MD-260-RA	WOMT150308-...-D55		61	58	50	422	450	325	80				
T6300-D27/W15	63.00	MD-270-RA	WOMT150308-...-D55		62	58	50	422	450	325	80				
T6400-D28/W15	64.00	MD-280-RA	WOMT150308-...-D55		63	58	50	422	450	325	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-6D	64	64	50	431	454	396	80	IF64	Key27-32		
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	431	454	396	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	431	454	396	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	431	454	396	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	431	454	396	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	431	454	396	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	431	454	396	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-6D	71	71	50	525	465	485	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	525	465	485	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	525	465	485	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	525	465	485	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	525	465	485	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	525	465	485	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	525	465	485	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	525	465	485	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	525	465	485	80				

7D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



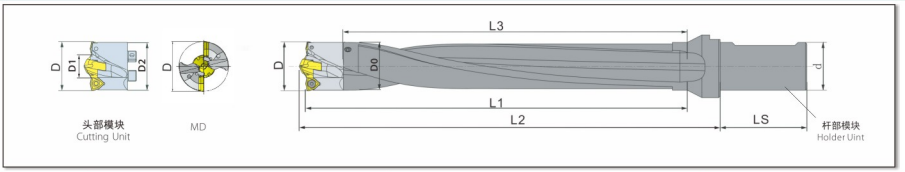
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-D14/A04	28.00	MD-140-RA	AOMT040308	S27-32-7D	27.5	27	32	215	255	195	60	IF28	Key14-16.9	M2.5X8	T9
H2858-D15/A04	28.58	MD-150-RA	AOMT040308		27.5	27	32	215	255	195	60				
H2900-D16/A04	29.00	MD-160-RA	AOMT040308		27.5	27	32	215	255	195	60				
H2936-D16/A04	29.36	MD-160-RA	AOMT040308		27.5	27	32	215	255	195	60				
H3000-D16/A04	30.00	MD-160-RA	AOMT040308	S29-32-7D	29.5	29	32	220	258	200	60		Key17-19.9		
H3018-D18/A04	30.18	MD-180-RA	AOMT040308		29.5	29	32	220	258	200	60				
H3096-D18/A04	30.96	MD-180-RA	AOMT040308		29.5	29	32	220	258	200	60				
H3100-D18/A04	31.00	MD-180-RA	AOMT040308		29.5	29	32	220	258	200	60				
H3175-D15/W08	31.75	MD-150-RA	WOMT080308-...-D33	S31-32-7D	31.25	30.75	32	251	286	229	60	IF32	Key14-16.9	M3X10	T10
H3200-D15/W08	32.00	MD-150-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3300-D16/W08	33.00	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3320-D16/W08	33.20	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3335-D16/W08	33.35	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3400-D18/W08	34.00	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3493-D18/W08	34.93	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60		Key17-19.9		
H3500-D18/W08	35.00	MD-180-RA	WOMT080308-...-D33	S34-32-7D	34.5	34	32	272	308	250	60				
H3600-D18/W08	36.00	MD-180-RA	WOMT080308-...-D33		34.5	34	32	272	308	250	60				
H3653-D19/W08	36.53	MD-190-RA	WOMT080308-...-D33		34.5	34	32	272	308	250	60				
H3700-D16/W10	37.00	MD-160-RA	WOMT100308-...-D39		34.5	34	32	272	308	250	60				
H3750-D16/W10	37.50	MD-160-RA	WOMT100308-...-D39		34.5	34	32	272	308	250	60				
H3800-D16/W10	38.00	MD-160-RA	WOMT100308-...-D39	S37-32-7D	37.5	37	32	295	329	270	60	IF38	Key14-16.9	M4X12	T15
H3810-D16/W10	38.10	MD-160-RA	WOMT100308-...-D39		37.5	37	32	295	329	270	60				
H3900-D18/W10	39.00	MD-180-RA	WOMT100308-...-D39		37.5	37	32	295	329	270	60				
H3920-D18/W10	39.20	MD-180-RA	WOMT100308-...-D39		37.5	37	32	295	329	270	60				
H3970-D18/W10	39.70	MD-180-RA	WOMT100308-...-D39		37.5	37	32	295	329	270	60		Key17-20		
H4000-D18/W10	40.00	MD-180-RA	WOMT100308-...-D39	S39-50-7D	39.5	39	50	300	343	275	60				
H4100-D19/W10	41.00	MD-190-RA	WOMT100308-...-D39		39.5	39	50	300	343	275	60				
H4128-D19/W10	41.28	MD-190-RA	WOMT100308-...-D39		39.5	39	50	300	343	275	60				
H4200-D19/W10	42.00	MD-190-RA	WOMT120408-...-D42	S41-50-7D	41.5	41	50	320	360	295	80	IF42	Key14-16.9		
H4300-D16/W12	43.00	MD-160-RA	WOMT120408-...-D42		41.5	41	50	320	360	295	80				
H4400-D18/W12	44.00	MD-180-RA	WOMT120408-...-D42		41.5	41	50	320	360	295	80				
H4445-D18/W12	44.45	MD-180-RA	WOMT120408-...-D42		41.5	41	50	320	360	295	80		Key17-19.9		
H4500-D18/W12	45.00	MD-180-RA	WOMT120408-...-D42	S44-50-7D	44.5	44	50	346	390	320	80				
H4600-D19/W12	46.00	MD-190-RA	WOMT120408-...-D42		44.5	44	50	346	390	320	80				
H4700-D20/W12	47.00	MD-200-RA	WOMT120408-...-D42		44.5	44	50	346	390	320	80				
H4763-D21/W12	47.63	MD-210-RA	WOMT120408-...-D42		44.5	44	50	346	390	320	80				
H4800-D21/W12	48.00	MD-210-RA	WOMT120408-...-D42	S47-50-7D	47.5	47	50	360	400	325	80	IF48	Key20-26		
H4900-D22/W12	49.00	MD-220-RA	WOMT120408-...-D42		47.5	47	50	360	400	325	80				
H5000-D23/W12	50.00	MD-230-RA	WOMT120408-...-D42		47.5	47	50	360	400	325	80				
H5080-D24/W12	50.80	MD-240-RA	WOMT120408-...-D42	S50-50-7D	50.3	49.8	50	375	415	340	80				
H5100-D24/W12	51.00	MD-240-RA	WOMT120408-...-D42		50.3	49.8	50	375	415	340	80				
H5200-D25/W12	52.00	MD-250-RA	WOMT120408-...-D42		50.3	49.8	50	375	415	340	80				
H5300-D26/W12	53.00	MD-260-RA	WOMT120408-...-D42		50.3	49.8	50	375	415	340	80				
H5398-D27/W12	53.98	MD-270-RA	WOMT120408-...-D42	S53-50-7D	53.4	53	50	385	425	350	80				
H5400-D27/W12	54.00	MD-270-RA	WOMT120408-...-D42		53.4	53	50	385	425	350	80				
H5500-D28/W12	55.00	MD-280-RA	WOMT120408-...-D42		53.4	53	50	385	425	350	80				

7D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



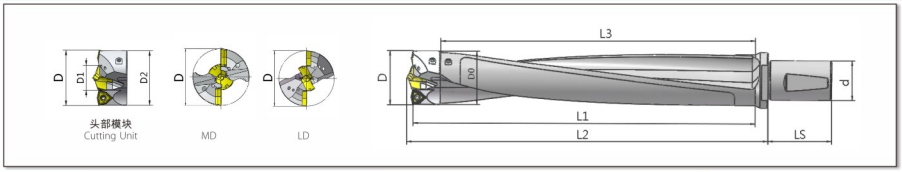
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-D20/W15	56.00	MD-200-RA	WOMT150308-...-D55	G53-50-7D	55	53	50	429	452	395	80	IF53	Key20-26	M5X10	T20
T5700-D21/W15	57.00	MD-210-RA	WOMT150308-...-D55		56	53	50	429	452	395	80				
T5800-D22/W15	58.00	MD-220-RA	WOMT150308-...-D55		57	53	50	429	452	395	80				
T5900-D23/W15	59.00	MD-230-RA	WOMT150308-...-D55	G58-50-7D	58	58	50	486	514	452	80	IF58			
T6000-D24/W15	60.00	MD-240-RA	WOMT150308-...-D55		59	58	50	486	514	452	80				
T6100-D25/W15	61.00	MD-250-RA	WOMT150308-...-D55		60	58	50	486	514	452	80				
T6200-D26/W15	62.00	MD-260-RA	WOMT150308-...-D55		61	58	50	486	514	452	80				
T6300-D27/W15	63.00	MD-270-RA	WOMT150308-...-D55		62	58	50	486	514	452	80		Key27-32		
T6400-D28/W15	64.00	MD-280-RA	WOMT150308-...-D55		63	58	50	486	514	452	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-7D	64	64	50	525	548	490	80	IF64			
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	525	548	490	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	525	548	490	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	525	548	490	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	525	548	490	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	525	548	490	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	525	548	480	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-7D	71	71	50	605	625	565	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	605	625	565	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	605	625	565	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	605	625	565	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	605	625	565	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	605	625	565	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	605	625	565	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	605	625	565	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	605	625	565	80				

8D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



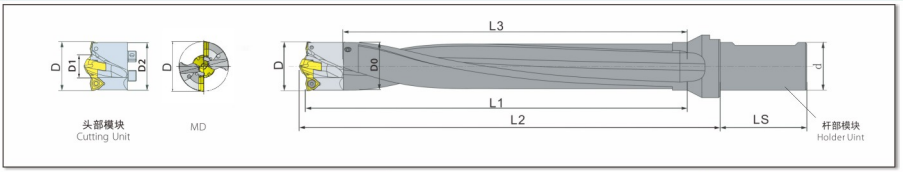
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-D14/A04	28.00	MD-140-RA	AOMT040308	S27-32-8D	27.5	27	32	245	285	225	60	IF28	Key14-16.9	M2.5X8	T9
H2858-D15/A04	28.58	MD-150-RA	AOMT040308		27.5	27	32	245	285	225	60				
H2900-D16/A04	29.00	MD-160-RA	AOMT040308		27.5	27	32	245	285	225	60				
H2936-D16/A04	29.36	MD-160-RA	AOMT040308		27.5	27	32	245	285	225	60				
H3000-D16/A04	30.00	MD-160-RA	AOMT040308	S29-32-8D	29.5	29	32	250	288	230	60		Key17-19.9		
H3018-D18/A04	30.18	MD-180-RA	AOMT040308		29.5	29	32	250	288	230	60				
H3096-D18/A04	30.96	MD-180-RA	AOMT040308		29.5	29	32	250	288	230	60				
H3100-D18/A04	31.00	MD-180-RA	AOMT040308		29.5	29	32	250	288	230	60				
H3175-D15/W08	31.75	MD-150-RA	WOMT080308-...-D33	S31-32-8D	31.25	30.75	32	279	314	257	60	IF32	Key14-16.9	M3X10	T10
H3200-D15/W08	32.00	MD-150-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3300-D16/W08	33.00	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3320-D16/W08	33.20	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3335-D16/W08	33.35	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3400-D18/W08	34.00	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3493-D18/W08	34.93	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60		Key17-19.9		
H3500-D18/W08	35.00	MD-180-RA	WOMT080308-...-D33	S34-32-8D	34.5	34	32	312	348	290	60				
H3600-D18/W08	36.00	MD-180-RA	WOMT080308-...-D33		34.5	34	32	312	348	290	60				
H3653-D19/W08	36.53	MD-190-RA	WOMT080308-...-D33		34.5	34	32	312	348	290	60				
H3700-D16/W10	37.00	MD-160-RA	WOMT100308-...-D39		34.5	34	32	312	348	290	60				
H3750-D16/W10	37.50	MD-160-RA	WOMT100308-...-D39		34.5	34	32	312	348	290	60				
H3800-D16/W10	38.00	MD-160-RA	WOMT100308-...-D39	S37-32-8D	37.5	37	32	335	366	310	60	IF38	Key14-16.9	M4X12	T15
H3810-D16/W10	38.10	MD-160-RA	WOMT100308-...-D39		37.5	37	32	335	366	310	60				
H3900-D18/W10	39.00	MD-180-RA	WOMT100308-...-D39		37.5	37	32	335	366	310	60				
H3920-D18/W10	39.20	MD-180-RA	WOMT100308-...-D39		37.5	37	32	335	366	310	60				
H3970-D18/W10	39.70	MD-180-RA	WOMT100308-...-D39		37.5	37	32	335	366	310	60		Key17-20		
H4000-D18/W10	40.00	MD-180-RA	WOMT100308-...-D39	S39-50-8D	39.5	39	50	345	395	320	60				
H4100-D19/W10	41.00	MD-190-RA	WOMT100308-...-D39		39.5	39	50	345	395	320	60				
H4128-D19/W10	41.28	MD-190-RA	WOMT100308-...-D39		39.5	39	50	345	395	320	60				
H4200-D19/W10	42.00	MD-190-RA	WOMT120408-...-D42	S41-50-8D	41.5	41	50	365	405	340	80	IF42	Key14-16.9		
H4300-D16/W12	43.00	MD-160-RA	WOMT120408-...-D42		41.5	41	50	365	405	340	80				
H4400-D18/W12	44.00	MD-180-RA	WOMT120408-...-D42		41.5	41	50	365	405	340	80				
H4445-D18/W12	44.45	MD-180-RA	WOMT120408-...-D42		41.5	41	50	365	405	340	80		Key17-19.9		
H4500-D18/W12	45.00	MD-180-RA	WOMT120408-...-D42	S44-50-8D	44.5	44	50	390	435	364	80				
H4600-D19/W12	46.00	MD-190-RA	WOMT120408-...-D42		44.5	44	50	390	435	364	80				
H4700-D20/W12	47.00	MD-200-RA	WOMT120408-...-D42		44.5	44	50	390	435	364	80				
H4763-D21/W12	47.63	MD-210-RA	WOMT120408-...-D42		44.5	44	50	390	435	364	80				
H4800-D21/W12	48.00	MD-210-RA	WOMT120408-...-D42	S47-50-8D	47.5	47	50	410	450	375	80	IF48	Key20-26		
H4900-D22/W12	49.00	MD-220-RA	WOMT120408-...-D42		47.5	47	50	410	450	375	80				
H5000-D23/W12	50.00	MD-230-RA	WOMT120408-...-D42		47.5	47	50	410	450	375	80				
H5080-D24/W12	50.80	MD-240-RA	WOMT120408-...-D42	S50-50-8D	50.3	49.8	50	425	465	390	80				
H5100-D24/W12	51.00	MD-240-RA	WOMT120408-...-D42		50.3	49.8	50	425	465	390	80				
H5200-D25/W12	52.00	MD-250-RA	WOMT120408-...-D42		50.3	49.8	50	425	465	390	80				
H5300-D26/W12	53.00	MD-260-RA	WOMT120408-...-D42		50.3	49.8	50	425	465	390	80				
H5398-D27/W12	53.98	MD-270-RA	WOMT120408-...-D42	S53-50-8D	53.4	53	50	440	480	405	80				
H5400-D27/W12	54.00	MD-270-RA	WOMT120408-...-D42		53.4	53	50	440	480	405	80				
H5500-D28/W12	55.00	MD-280-RA	WOMT120408-...-D42		53.4	53	50	440	480	405	80				

8D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



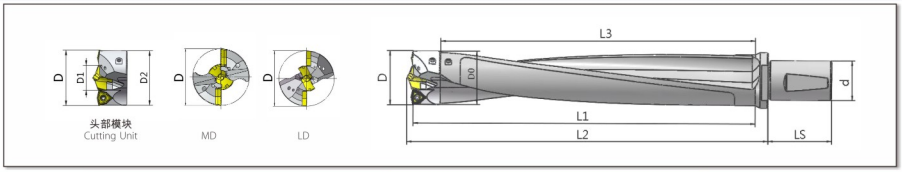
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-D20/W15	56.00	MD-200-RA	WOMT150308-...-D55	G53-50-8D	55	53	50	499	522	465	80	IF53	Key20-26	M5X10	T20
T5700-D21/W15	57.00	MD-210-RA	WOMT150308-...-D55		56	53	50	499	522	465	80				
T5800-D22/W15	58.00	MD-220-RA	WOMT150308-...-D55		57	53	50	499	522	465	80				
T5900-D23/W15	59.00	MD-230-RA	WOMT150308-...-D55	G58-50-8D	58	58	50	548	576	514	80	IF58			
T6000-D24/W15	60.00	MD-240-RA	WOMT150308-...-D55		59	58	50	548	576	514	80				
T6100-D25/W15	61.00	MD-250-RA	WOMT150308-...-D55		60	58	50	548	576	514	80				
T6200-D26/W15	62.00	MD-260-RA	WOMT150308-...-D55		61	58	50	548	576	514	80				
T6300-D27/W15	63.00	MD-270-RA	WOMT150308-...-D55		62	58	50	548	576	514	80				
T6400-D28/W15	64.00	MD-280-RA	WOMT150308-...-D55		63	58	50	548	576	514	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-8D	64	64	50	595	618	560	80	IF64	Key27-32		
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	595	618	560	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	595	618	560	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	595	618	560	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	595	618	560	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	595	618	560	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	595	618	560	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-8D	71	71	50	685	705	645	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	685	705	645	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	685	705	645	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	685	705	645	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	685	705	645	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	685	705	645	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	685	705	645	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	685	705	645	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	685	705	645	80				

10D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



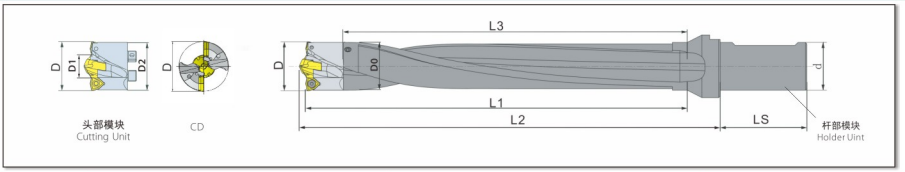
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-D14/A04	28.00	MD-140-RA	AOMT040308	S27-32-10D	27.5	27	32	300	340	280	60	IF28	Key14-16.9	M2.5X8	T9
H2858-D15/A04	28.58	MD-150-RA	AOMT040308		27.5	27	32	300	340	280	60				
H2900-D16/A04	29.00	MD-160-RA	AOMT040308		27.5	27	32	300	340	280	60				
H2936-D16/A04	29.36	MD-160-RA	AOMT040308		27.5	27	32	300	340	280	60				
H3000-D16/A04	30.00	MD-160-RA	AOMT040308	S29-32-10D	29.5	29	32	310	348	290	60		Key17-19.9		
H3018-D18/A04	30.18	MD-180-RA	AOMT040308		29.5	29	32	310	348	290	60				
H3096-D18/A04	30.96	MD-180-RA	AOMT040308		29.5	29	32	310	348	290	60				
H3100-D18/A04	31.00	MD-180-RA	AOMT040308		29.5	29	32	310	348	290	60				
H3175-D15/W08	31.75	MD-150-RA	WOMT080308-...-D33	S31-32-10D	31.25	30.75	32	349	384	327	60	IF32	Key14-16.9	M3X10	T10
H3200-D15/W08	32.00	MD-150-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3300-D16/W08	33.00	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3320-D16/W08	33.20	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3335-D16/W08	33.35	MD-160-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3400-D18/W08	34.00	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3493-D18/W08	34.93	MD-180-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3500-D18/W08	35.00	MD-180-RA	WOMT080308-...-D33	S34-32-10D	34.5	34	32	382	418	360	60		Key17-19.9		
H3600-D18/W08	36.00	MD-180-RA	WOMT080308-...-D33		34.5	34	32	382	418	360	60				
H3653-D19/W08	36.53	MD-190-RA	WOMT080308-...-D33		34.5	34	32	382	418	360	60				
H3700-D16/W10	37.00	MD-160-RA	WOMT100308-...-D39		34.5	34	32	382	418	360	60				
H3750-D16/W10	37.50	MD-160-RA	WOMT100308-...-D39		34.5	34	32	382	418	360	60				
H3800-D16/W10	38.00	MD-160-RA	WOMT100308-...-D39	S37-32-10D	37.5	37	32	412	443	387	60	IF38	Key14-16.9	M4X12	T15
H3810-D16/W10	38.10	MD-160-RA	WOMT100308-...-D39		37.5	37	32	412	443	387	60				
H3900-D18/W10	39.00	MD-180-RA	WOMT100308-...-D39		37.5	37	32	412	443	387	60				
H3920-D18/W10	39.20	MD-180-RA	WOMT100308-...-D39		37.5	37	32	412	443	387	60				
H3970-D18/W10	39.70	MD-180-RA	WOMT100308-...-D39		37.5	37	32	412	443	387	60				
H4000-D18/W10	40.00	MD-180-RA	WOMT100308-...-D39	S39-50-10D	39.5	39	50	425	480	400	60		Key17-20		
H4100-D19/W10	41.00	MD-190-RA	WOMT100308-...-D39		39.5	39	50	425	480	400	60				
H4128-D19/W10	41.28	MD-190-RA	WOMT100308-...-D39		39.5	39	50	425	480	400	60				
H4200-D19/W10	42.00	MD-190-RA	WOMT120408-...-D42	S41-50-10D	41.5	41	50	455	500	430	80	IF42	Key14-16.9		
H4300-D16/W12	43.00	MD-160-RA	WOMT120408-...-D42		41.5	41	50	455	500	430	80				
H4400-D18/W12	44.00	MD-180-RA	WOMT120408-...-D42		41.5	41	50	455	500	430	80				
H4445-D18/W12	44.45	MD-180-RA	WOMT120408-...-D42		41.5	41	50	455	500	430	80		Key17-19.9		
H4500-D18/W12	45.00	MD-180-RA	WOMT120408-...-D42	S44-50-10D	44.5	44	50	485	530	459	80				
H4600-D19/W12	46.00	MD-190-RA	WOMT120408-...-D42		44.5	44	50	485	530	459	80				
H4700-D20/W12	47.00	MD-200-RA	WOMT120408-...-D42		44.5	44	50	485	530	459	80				
H4763-D21/W12	47.63	MD-210-RA	WOMT120408-...-D42		44.5	44	50	485	530	459	80				
H4800-D21/W12	48.00	MD-210-RA	WOMT120408-...-D42	S47-50-10D	47.5	47	50	510	550	475	80	IF48	Key20-26		
H4900-D22/W12	49.00	MD-220-RA	WOMT120408-...-D42		47.5	47	50	510	550	475	80				
H5000-D23/W12	50.00	MD-230-RA	WOMT120408-...-D42		47.5	47	50	510	550	475	80				
H5080-D24/W12	50.80	MD-240-RA	WOMT120408-...-D42	S50-50-10D	50.3	49.8	50	530	570	495	80				
H5100-D24/W12	51.00	MD-240-RA	WOMT120408-...-D42		50.3	49.8	50	530	570	495	80				
H5200-D25/W12	52.00	MD-250-RA	WOMT120408-...-D42		50.3	49.8	50	530	570	495	80				
H5300-D26/W12	53.00	MD-260-RA	WOMT120408-...-D42		50.3	49.8	50	530	570	495	80				
H5398-D27/W12	53.98	MD-270-RA	WOMT120408-...-D42	S53-50-10D	53.4	53	50	550	590	515	80				
H5400-D27/W12	54.00	MD-270-RA	WOMT120408-...-D42		53.4	53	50	550	590	515	80				
H5500-D28/W12	55.00	MD-280-RA	WOMT120408-...-D42		53.4	53	50	550	590	515	80				

10D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



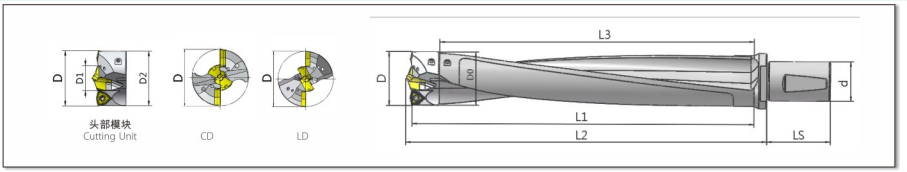
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-D20/W15	56.00	MD-200-RA	WOMT150308-...-D55	G53-50-10D	55	53	50	619	642	585	80	IF53	Key20-26	M5X10	T20
T5700-D21/W15	57.00	MD-210-RA	WOMT150308-...-D55		56	53	50	619	642	585	80				
T5800-D22/W15	58.00	MD-220-RA	WOMT150308-...-D55		57	53	50	619	642	585	80				
T5900-D23/W15	59.00	MD-230-RA	WOMT150308-...-D55	G58-50-10D	58	58	50	674	576	640	80	IF58			
T6000-D24/W15	60.00	MD-240-RA	WOMT150308-...-D55		59	58	50	674	576	640	80				
T6100-D25/W15	61.00	MD-250-RA	WOMT150308-...-D55		60	58	50	674	576	640	80				
T6200-D26/W15	62.00	MD-260-RA	WOMT150308-...-D55		61	58	50	674	576	640	80				
T6300-D27/W15	63.00	MD-270-RA	WOMT150308-...-D55		62	58	50	674	576	640	80		Key27-32		
T6400-D28/W15	64.00	MD-280-RA	WOMT150308-...-D55		63	58	50	674	576	640	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-10D	64	64	50	745	768	710	80	IF64			
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	745	768	710	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	745	768	710	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	745	768	710	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	745	768	710	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	745	768	710	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	745	768	710	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-10D	71	71	50	845	865	805	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	845	865	805	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	845	865	805	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	845	865	805	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	845	865	805	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	845	865	805	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	845	865	805	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	845	865	805	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	845	865	805	80				

3D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



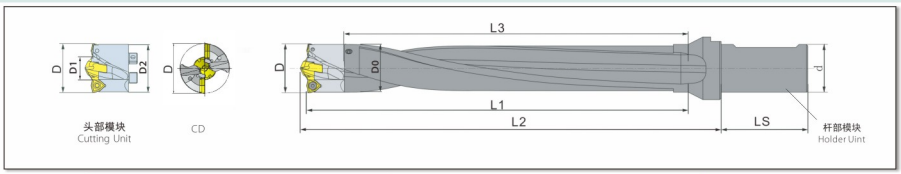
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-CD14/A04	28.00	CD-140-RA	AOMT040308	S27-32-3D	27.5	27	32	95	134	75	60	IF28	Key14-16.9	M2.5X8	T9
H2858-CD15/A04	28.58	CD-150-RA	AOMT040308		27.5	27	32	95	134	75	60				
H2900-CD16/A04	29.00	CD-160-RA	AOMT040308		27.5	27	32	95	134	75	60				
H2936-CD16/A04	29.36	CD-160-RA	AOMT040308		27.5	27	32	95	134	75	60				
H3000-CD16/A04	30.00	CD-160-RA	AOMT040308	S29-32-3D	29.5	29	32	100	138	80	60		Key17-19.9		
H3018-CD18/A04	30.18	CD-180-RA	AOMT040308		29.5	29	32	100	138	80	60				
H3096-CD18/A04	30.96	CD-180-RA	AOMT040308		29.5	29	32	100	138	80	60				
H3100-CD18/A04	31.00	CD-180-RA	AOMT040308		29.5	29	32	100	138	80	60				
H3175-CD15/W08	31.75	CD-150-RA	WOMT080308-...-D33	S31-32-3D	31.25	30.75	32	112	148	90	60	IF32	Key14-16.9	M3X10	T10
H3200-CD15/W08	32.00	CD-150-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3300-CD16/W08	33.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3320-CD16/W08	33.20	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3335-CD16/W08	33.35	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3400-CD18/W08	34.00	CD-180-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60				
H3493-CD18/W08	34.93	CD-180-RA	WOMT080308-...-D33		31.25	30.75	32	112	148	90	60		Key17-19.9		
H3500-CD18/W08	35.00	CD-180-RA	WOMT080308-...-D33	S34-32-3D	34.5	34	32	122	160	100	60				
H3600-CD18/W08	36.00	CD-180-RA	WOMT080308-...-D33		34.5	34	32	122	160	100	60				
H3653-CD19/W08	36.53	CD-190-RA	WOMT080308-...-D33		34.5	34	32	122	160	100	60				
H3700-CD16/W10	37.00	CD-160-RA	WOMT100308-...-D39		34.5	34	32	122	160	100	60				
H3750-CD16/W10	37.50	CD-160-RA	WOMT100308-...-D39		34.5	34	32	122	160	100	60				
H3800-CD16/W10	38.00	CD-160-RA	WOMT100308-...-D39	S37-32-3D	37.5	37	32	125	165	100	60	IF38	Key14-16.9	M4X12	T15
H3810-CD16/W10	38.10	CD-160-RA	WOMT100308-...-D39		37.5	37	32	125	165	100	60				
H3900-CD18/W10	39.00	CD-180-RA	WOMT100308-...-D39		37.5	37	32	125	165	100	60				
H3920-CD18/W10	39.20	CD-180-RA	WOMT100308-...-D39		37.5	37	32	125	165	100	60				
H3970-CD18/W10	39.70	CD-180-RA	WOMT100308-...-D39		37.5	37	32	125	165	100	60		Key17-20		
H4000-CD18/W10	40.00	CD-180-RA	WOMT100308-...-D39	S39-50-3D	39.5	39	50	135	180	110	60				
H4100-CD19/W10	41.00	CD-190-RA	WOMT100308-...-D39		39.5	39	50	135	180	110	60				
H4128-CD19/W10	41.28	CD-190-RA	WOMT100308-...-D39		39.5	39	50	135	180	110	60				
H4200-CD19/W10	42.00	CD-190-RA	WOMT120408-...-D42	S41-50-3D	41.5	41	50	140	185	115	80	IF42	Key14-16.9		
H4300-CD16/W12	43.00	CD-160-RA	WOMT120408-...-D42		41.5	41	50	140	185	115	80				
H4400-CD18/W12	44.00	CD-180-RA	WOMT120408-...-D42		41.5	41	50	140	185	115	80				
H4445-CD18/W12	44.45	CD-180-RA	WOMT120408-...-D42		41.5	41	50	140	185	115	80		Key17-19.9		
H4500-CD18/W12	45.00	CD-180-RA	WOMT120408-...-D42	S44-50-3D	44.5	44	50	150	195	124	80				
H4600-CD19/W12	46.00	CD-190-RA	WOMT120408-...-D42		44.5	44	50	150	195	124	80				
H4700-CD20/W12	47.00	CD-200-RA	WOMT120408-...-D42		44.5	44	50	150	195	124	80				
H4763-CD21/W12	47.63	CD-210-RA	WOMT120408-...-D42		44.5	44	50	150	195	124	80				
H4800-CD21/W12	48.00	CD-210-RA	WOMT120408-...-D42	S47-50-3D	47.5	47	50	160	200	125	80	IF48	Key20-26		
H4900-CD22/W12	49.00	CD-220-RA	WOMT120408-...-D42		47.5	47	50	160	200	125	80				
H5000-CD23/W12	50.00	CD-230-RA	WOMT120408-...-D42		47.5	47	50	160	200	125	80				
H5080-CD24/W12	50.80	CD-240-RA	WOMT120408-...-D42	S50-50-3D	50.3	49.8	50	170	210	135	80				
H5100-CD24/W12	51.00	CD-240-RA	WOMT120408-...-D42		50.3	49.8	50	170	210	135	80				
H5200-CD25/W12	52.00	CD-250-RA	WOMT120408-...-D42		50.3	49.8	50	170	210	135	80				
H5300-CD26/W12	53.00	CD-260-RA	WOMT120408-...-D42		50.3	49.8	50	170	210	135	80				
H5398-CD27/W12	53.98	CD-270-RA	WOMT120408-...-D42	S53-50-3D	53.4	53	50	175	215	140	80				
H5400-CD27/W12	54.00	CD-270-RA	WOMT120408-...-D42		53.4	53	50	175	215	140	80				
H5500-CD28/W12	55.00	CD-280-RA	WOMT120408-...-D42		53.4	53	50	175	215	140	80				

3D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



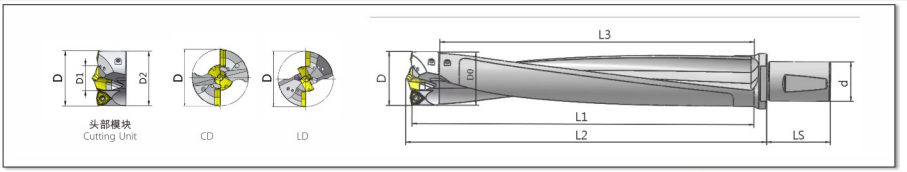
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刃头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-CD20/W15	56.00	CD-200-RA	WOMT150308-...-D55	G53-50-3D	55	53	50	214	237	180	80	IF53	Key20-26	M5X10	T20
T5700-CD21/W15	57.00	CD-210-RA	WOMT150308-...-D55		56	53	50	214	237	180	80				
T5800-CD22/W15	58.00	CD-220-RA	WOMT150308-...-D55		57	53	50	214	237	180	80				
T5900-CD23/W15	59.00	CD-230-RA	WOMT150308-...-D55	G58-50-3D	58	58	50	234	262	200	80	IF58			
T6000-CD24/W15	60.00	CD-240-RA	WOMT150308-...-D55		59	58	50	234	262	200	80				
T6100-CD25/W15	61.00	CD-250-RA	WOMT150308-...-D55		60	58	50	234	262	200	80				
T6200-CD26/W15	62.00	CD-260-RA	WOMT150308-...-D55		61	58	50	234	262	200	80				
T6300-CD27/W15	63.00	CD-270-RA	WOMT150308-...-D55		62	58	50	234	262	200	80		Key27-32		
T6400-CD28/W15	64.00	CD-280-RA	WOMT150308-...-D55		63	58	50	234	262	200	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-3D	64	64	50	250	273	215	80	IF64			
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	250	273	215	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	250	273	215	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	250	273	215	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	250	273	215	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	250	273	215	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	250	273	215	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-3D	71	71	50	285	305	245	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	285	305	245	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	285	305	245	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	285	305	245	80				
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	285	305	245	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	285	305	245	80		Key39-45		
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	285	305	245	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	285	305	245	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	285	305	245	80				

5D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



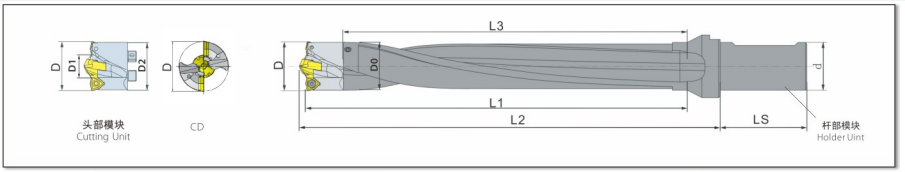
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-CD14/A04	28.00	CD-140-RA	AOMT040308	S27-32-5D	27.5	27	32	155	194	135	60	IF28	Key14-16.9	M2.5X8	T9
H2858-CD15/A04	28.58	CD-150-RA	AOMT040308		27.5	27	32	155	194	135	60				
H2900-CD16/A04	29.00	CD-160-RA	AOMT040308		27.5	27	32	155	194	135	60				
H2936-CD16/A04	29.36	CD-160-RA	AOMT040308		27.5	27	32	155	194	135	60				
H3000-CD16/A04	30.00	CD-160-RA	AOMT040308	S29-32-5D	29.5	29	32	160	199	140	60		Key17-19.9		
H3018-CD18/A04	30.18	CD-170-RA	AOMT040308		29.5	29	32	160	199	140	60				
H3096-CD18/A04	30.96	CD-170-RA	AOMT040308		29.5	29	32	160	199	140	60				
H3100-CD18/A04	31.00	CD-170-RA	AOMT040308		29.5	29	32	160	199	140	60				
H3175-CD15/W08	31.75	CD-150-RA	WOMT080308-...-D33	S31-32-5D	31.25	30.75	32	177	212	155	60	IF32	Key14-16.9	M3X10	T10
H3200-CD15/W08	32.00	CD-150-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3300-CD16/W08	33.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3320-CD16/W08	33.20	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3335-CD16/W08	33.35	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3400-CD18/W08	34.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3493-CD18/W08	34.93	CD-180-RA	WOMT080308-...-D33		31.25	30.75	32	177	212	155	60				
H3500-CD18/W08	35.00	CD-180-RA	WOMT080308-...-D33	S34-32-5D	34.5	34	32	192	230	170	60		Key17-19.9		
H3600-CD18/W08	36.00	CD-180-RA	WOMT080308-...-D33		34.5	34	32	192	230	170	60				
H3653-CD19/W08	36.53	CD-190-RA	WOMT080308-...-D33		34.5	34	32	192	230	170	60				
H3700-CD16/W10	37.00	CD-160-RA	WOMT100308-...-D39		34.5	34	32	192	230	170	60				
H3750-CD16/W10	37.50	CD-160-RA	WOMT100308-...-D39		34.5	34	32	192	230	170	60				
H3800-CD16/W10	38.00	CD-160-RA	WOMT100308-...-D39	S37-32-5D	37.5	37	32	215	245	190	60	IF38	Key14-16.9	M4X12	T15
H3810-CD16/W10	38.10	CD-160-RA	WOMT100308-...-D39		37.5	37	32	215	245	190	60				
H3900-CD18/W10	39.00	CD-180-RA	WOMT100308-...-D39		37.5	37	32	215	245	190	60				
H3920-CD18/W10	39.20	CD-180-RA	WOMT100308-...-D39		37.5	37	32	215	245	190	60				
H3970-CD18/W10	39.70	CD-180-RA	WOMT100308-...-D39		37.5	37	32	215	245	190	60				
H4000-CD18/W10	40.00	CD-180-RA	WOMT100308-...-D39	S39-50-5D	39.5	39	50	220	265	195	60		Key17-20		
H4100-CD19/W10	41.00	CD-190-RA	WOMT100308-...-D39		39.5	39	50	220	265	195	60				
H4128-CD19/W10	41.28	CD-190-RA	WOMT100308-...-D39		39.5	39	50	220	265	195	60				
H4200-CD19/W10	42.00	CD-190-RA	WOMT120408-...-D42	S41-50-5D	41.5	41	50	230	277	205	80	IF42	Key14-16.9		
H4300-CD16/W12	43.00	CD-160-RA	WOMT120408-...-D42		41.5	41	50	230	277	205	80				
H4400-CD18/W12	44.00	CD-180-RA	WOMT120408-...-D42		41.5	41	50	230	277	205	80				
H4445-CD18/W12	44.45	CD-180-RA	WOMT120408-...-D42		41.5	41	50	230	277	205	80		Key17-19.9		
H4500-CD18/W12	45.00	CD-180-RA	WOMT120408-...-D42	S44-50-5D	44.5	44	50	245	285	219	80				
H4600-CD19/W12	46.00	CD-190-RA	WOMT120408-...-D42		44.5	44	50	245	285	219	80				
H4700-CD20/W12	47.00	CD-200-RA	WOMT120408-...-D42		44.5	44	50	245	285	219	80				
H4763-CD21/W12	47.63	CD-210-RA	WOMT120408-...-D42		44.5	44	50	245	285	219	80				
H4800-CD21/W12	48.00	CD-210-RA	WOMT120408-...-D42	S47-50-5D	47.5	47	50	260	305	225	80	IF48	Key20-26		
H4900-CD22/W12	49.00	CD-220-RA	WOMT120408-...-D42		47.5	47	50	260	305	225	80				
H5000-CD23/W12	50.00	CD-230-RA	WOMT120408-...-D42		47.5	47	50	260	305	225	80				
H5080-CD24/W12	50.80	CD-240-RA	WOMT120408-...-D42	S50-50-5D	50.3	49.8	50	275	315	240	80				
H5100-CD24/W12	51.00	CD-240-RA	WOMT120408-...-D42		50.3	49.8	50	275	315	240	80				
H5200-CD25/W12	52.00	CD-250-RA	WOMT120408-...-D42		50.3	49.8	50	275	315	240	80				
H5300-CD26/W12	53.00	CD-260-RA	WOMT120408-...-D42		50.3	49.8	50	275	315	240	80				
H5398-CD27/W12	53.98	CD-270-RA	WOMT120408-...-D42	S53-50-5D	53.4	53	50	280	320	245	80				
H5400-CD27/W12	54.00	CD-270-RA	WOMT120408-...-D42		53.4	53	50	280	320	245	80				
H5500-CD28/W12	55.00	CD-280-RA	WOMT120408-...-D42		53.4	53	50	280	320	245	80				

5D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



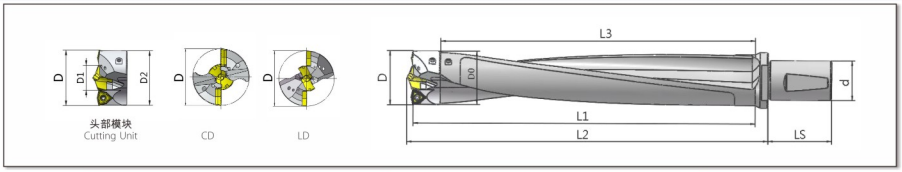
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刃头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-CD20/W15	56.00	CD-200-RA	WOMT150308-...-D55	G53-50-5D	55	53	50	321	321	287	80	IF53	Key20-26	M5X10	T20
T5700-CD21/W15	57.00	CD-210-RA	WOMT150308-...-D55		56	53	50	321	321	287	80				
T5800-CD22/W15	58.00	CD-220-RA	WOMT150308-...-D55		57	53	50	321	321	287	80				
T5900-CD23/W15	59.00	CD-230-RA	WOMT150308-...-D55	G58-50-5D	58	58	50	359	359	325	80	IF58			
T6000-CD24/W15	60.00	CD-240-RA	WOMT150308-...-D55		59	58	50	359	359	325	80				
T6100-CD25/W15	61.00	CD-250-RA	WOMT150308-...-D55		60	58	50	359	359	325	80				
T6200-CD26/W15	62.00	CD-260-RA	WOMT150308-...-D55		61	58	50	359	359	325	80				
T6300-CD27/W15	63.00	CD-270-RA	WOMT150308-...-D55		62	58	50	359	359	325	80				
T6400-CD28/W15	64.00	CD-280-RA	WOMT150308-...-D55		63	58	50	359	359	325	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-5D	64	64	50	385	385	350	80	IF64	Key27-32		
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	385	385	350	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	385	385	350	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	385	385	350	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	385	385	350	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	385	385	350	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	385	385	350	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-5D	71	71	50	445	445	405	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	445	445	405	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	445	445	405	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	445	445	405	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	445	445	405	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	445	445	405	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	445	445	405	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	445	445	405	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	445	445	405	80				

6D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



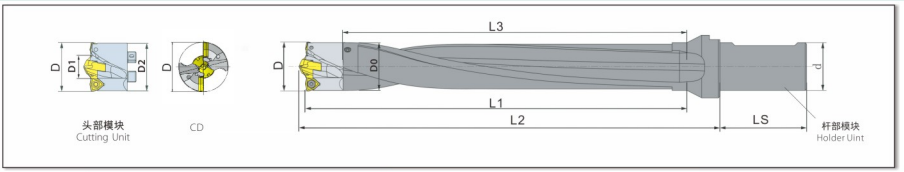
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-CD14/A04	28.00	CD-140-RA	AOMT040308	S27-32-6D	27.5	27	32	180	220	160	60	IF28	Key14-16.9	M2.5X8	T9
H2858-CD15/A04	28.58	CD-150-RA	AOMT040308		27.5	27	32	180	220	160	60				
H2900-CD16/A04	29.00	CD-160-RA	AOMT040308		27.5	27	32	180	220	160	60				
H2936-CD16/A04	29.36	CD-160-RA	AOMT040308		27.5	27	32	180	220	160	60				
H3000-CD16/A04	30.00	CD-160-RA	AOMT040308	S29-32-6D	29.5	29	32	195	233	175	60		Key17-19.9		
H3018-CD18/A04	30.18	CD-170-RA	AOMT040308		29.5	29	32	195	233	175	60				
H3096-CD18/A04	30.96	CD-170-RA	AOMT040308		29.5	29	32	195	233	175	60				
H3100-CD18/A04	31.00	CD-170-RA	AOMT040308		29.5	29	32	195	233	175	60				
H3175-CD15/W08	31.75	CD-150-RA	WOMT080308-...-D33	S31-32-6D	31.25	30.75	32	211	246	189	60	IF32	Key14-16.9	M3X10	T10
H3200-CD15/W08	32.00	CD-150-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3300-CD16/W08	33.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3320-CD16/W08	33.20	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3335-CD16/W08	33.35	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3400-CD18/W08	34.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3493-CD18/W08	34.93	CD-180-RA	WOMT080308-...-D33		31.25	30.75	32	211	246	189	60				
H3500-CD18/W08	35.00	CD-180-RA	WOMT080308-...-D33	S34-32-6D	34.5	34	32	227	265	205	60		Key17-19.9		
H3600-CD18/W08	36.00	CD-180-RA	WOMT080308-...-D33		34.5	34	32	227	265	205	60				
H3653-CD19/W08	36.53	CD-190-RA	WOMT080308-...-D33		34.5	34	32	227	265	205	60				
H3700-CD16/W10	37.00	CD-160-RA	WOMT100308-...-D39		34.5	34	32	227	265	205	60				
H3750-CD16/W10	37.50	CD-160-RA	WOMT100308-...-D39		34.5	34	32	227	265	205	60				
H3800-CD16/W10	38.00	CD-160-RA	WOMT100308-...-D39	S37-32-6D	37.5	37	32	255	290	230	60	IF38	Key14-16.9	M4X12	T15
H3810-CD16/W10	38.10	CD-160-RA	WOMT100308-...-D39		37.5	37	32	255	290	230	60				
H3900-CD18/W10	39.00	CD-180-RA	WOMT100308-...-D39		37.5	37	32	255	290	230	60				
H3920-CD18/W10	39.20	CD-180-RA	WOMT100308-...-D39		37.5	37	32	255	290	230	60				
H3970-CD18/W10	39.70	CD-180-RA	WOMT100308-...-D39		37.5	37	32	255	290	230	60				
H4000-CD18/W10	40.00	CD-180-RA	WOMT100308-...-D39	S39-50-6D	39.5	39	50	257	305	232	60		Key17-20		
H4100-CD19/W10	41.00	CD-190-RA	WOMT100308-...-D39		39.5	39	50	257	305	232	60				
H4128-CD19/W10	41.28	CD-190-RA	WOMT100308-...-D39		39.5	39	50	257	305	232	60				
H4200-CD19/W10	42.00	CD-190-RA	WOMT120408-...-D42	S41-50-6D	41.5	41	50	275	320	250	80	IF42	Key14-16.9		
H4300-CD16/W12	43.00	CD-160-RA	WOMT120408-...-D42		41.5	41	50	275	320	250	80				
H4400-CD18/W12	44.00	CD-180-RA	WOMT120408-...-D42		41.5	41	50	275	320	250	80				
H4445-CD18/W12	44.45	CD-180-RA	WOMT120408-...-D42		41.5	41	50	275	320	250	80		Key17-19.9		
H4500-CD18/W12	45.00	CD-180-RA	WOMT120408-...-D42	S44-50-6D	44.5	44	50	295	350	269	80				
H4600-CD19/W12	46.00	CD-190-RA	WOMT120408-...-D42		44.5	44	50	295	350	269	80				
H4700-CD20/W12	47.00	CD-200-RA	WOMT120408-...-D42		44.5	44	50	295	350	269	80				
H4763-CD21/W12	47.63	CD-210-RA	WOMT120408-...-D42		44.5	44	50	295	350	269	80				
H4800-CD21/W12	48.00	CD-210-RA	WOMT120408-...-D42	S47-50-6D	47.5	47	50	310	350	275	80	IF48	Key20-26		
H4900-CD22/W12	49.00	CD-220-RA	WOMT120408-...-D42		47.5	47	50	310	350	275	80				
H5000-CD23/W12	50.00	CD-230-RA	WOMT120408-...-D42		47.5	47	50	310	350	275	80				
H5080-CD24/W12	50.80	CD-240-RA	WOMT120408-...-D42	S50-50-6D	50.3	49.8	50	330	370	295	80				
H5100-CD24/W12	51.00	CD-240-RA	WOMT120408-...-D42		50.3	49.8	50	330	370	295	80				
H5200-CD25/W12	52.00	CD-250-RA	WOMT120408-...-D42		50.3	49.8	50	330	370	295	80				
H5300-CD26/W12	53.00	CD-260-RA	WOMT120408-...-D42		50.3	49.8	50	330	370	295	80				
H5398-CD27/W12	53.98	CD-270-RA	WOMT120408-...-D42	S53-50-6D	53.4	53	50	340	380	305	80				
H5400-CD27/W12	54.00	CD-270-RA	WOMT120408-...-D42		53.4	53	50	340	380	305	80				
H5500-CD28/W12	55.00	CD-280-RA	WOMT120408-...-D42		53.4	53	50	340	380	305	80				

6D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



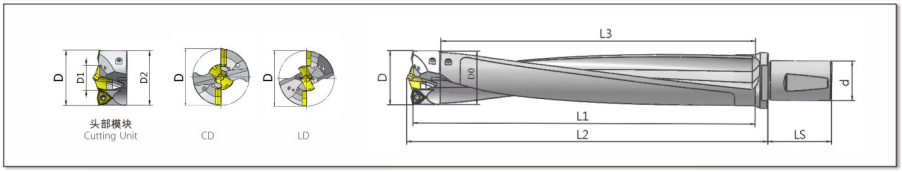
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刃头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-CD20/W15	56.00	CD-200-RA	WOMT150308-...-D55	G53-50-6D	55	53	50	374	397	340	80	IF53	Key20-26	M5X10	T20
T5700-CD21/W15	57.00	CD-210-RA	WOMT150308-...-D55		56	53	50	374	397	340	80				
T5800-CD22/W15	58.00	CD-220-RA	WOMT150308-...-D55		57	53	50	374	397	340	80				
T5900-CD23/W15	59.00	CD-230-RA	WOMT150308-...-D55	G58-50-6D	58	58	50	422	450	388	80	IF58			
T6000-CD24/W15	60.00	CD-240-RA	WOMT150308-...-D55		59	58	50	422	450	325	80				
T6100-CD25/W15	61.00	CD-250-RA	WOMT150308-...-D55		60	58	50	422	450	325	80				
T6200-CD26/W15	62.00	CD-260-RA	WOMT150308-...-D55		61	58	50	422	450	325	80				
T6300-CD27/W15	63.00	CD-270-RA	WOMT150308-...-D55		62	58	50	422	450	325	80		Key27-32		
T6400-CD28/W15	64.00	CD-280-RA	WOMT150308-...-D55		63	58	50	422	450	325	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-6D	64	64	50	431	454	396	80	IF64			
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	431	454	396	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	431	454	396	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	431	454	396	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	431	454	396	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	431	454	396	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	431	454	396	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-6D	71	71	50	525	465	485	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	525	465	485	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	525	465	485	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	525	465	485	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	525	465	485	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	525	465	485	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	525	465	485	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	525	465	485	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	525	465	485	80				

7D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



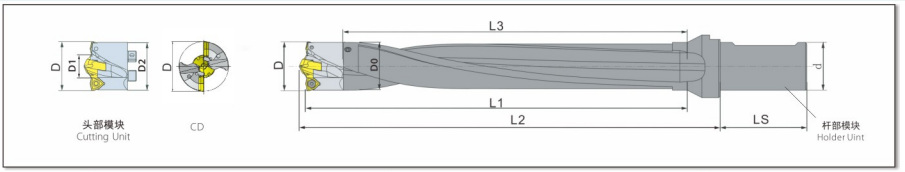
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-CD14/A04	28.00	CD-140-RA	AOMT040308	S27-32-7D	27.5	27	32	215	255	195	60	IF28	Key14-16.9	M2.5X8	T9
H2858-CD15/A04	28.58	CD-150-RA	AOMT040308		27.5	27	32	215	255	195	60				
H2900-CD16/A04	29.00	CD-160-RA	AOMT040308		27.5	27	32	215	255	195	60				
H2936-CD16/A04	29.36	CD-160-RA	AOMT040308		27.5	27	32	215	255	195	60				
H3000-CD16/A04	30.00	CD-160-RA	AOMT040308	S29-32-7D	29.5	29	32	220	258	200	60		Key17-19.9		
H3018-CD18/A04	30.18	CD-170-RA	AOMT040308		29.5	29	32	220	258	200	60				
H3096-CD18/A04	30.96	CD-170-RA	AOMT040308		29.5	29	32	220	258	200	60				
H3100-CD18/A04	31.00	CD-170-RA	AOMT040308		29.5	29	32	220	258	200	60				
H3175-CD15/W08	31.75	CD-150-RA	WOMT080308-...-D33	S31-32-7D	31.25	30.75	32	251	286	229	60	IF32	Key14-16.9	M3X10	T10
H3200-CD15/W08	32.00	CD-150-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3300-CD16/W08	33.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3320-CD16/W08	33.20	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3335-CD16/W08	33.35	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3400-CD18/W08	34.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3493-CD18/W08	34.93	CD-180-RA	WOMT080308-...-D33		31.25	30.75	32	251	286	229	60				
H3500-CD18/W08	35.00	CD-180-RA	WOMT080308-...-D33	S34-32-7D	34.5	34	32	272	308	250	60		Key17-19.9		
H3600-CD18/W08	36.00	CD-180-RA	WOMT080308-...-D33		34.5	34	32	272	308	250	60				
H3653-CD19/W08	36.53	CD-190-RA	WOMT080308-...-D33		34.5	34	32	272	308	250	60				
H3700-CD16/W10	37.00	CD-160-RA	WOMT100308-...-D39		34.5	34	32	272	308	250	60				
H3750-CD16/W10	37.50	CD-160-RA	WOMT100308-...-D39		34.5	34	32	272	308	250	60				
H3800-CD16/W10	38.00	CD-160-RA	WOMT100308-...-D39	S37-32-7D	37.5	37	32	295	329	270	60	IF38	Key14-16.9	M4X12	T15
H3810-CD16/W10	38.10	CD-160-RA	WOMT100308-...-D39		37.5	37	32	295	329	270	60				
H3900-CD18/W10	39.00	CD-180-RA	WOMT100308-...-D39		37.5	37	32	295	329	270	60				
H3920-CD18/W10	39.20	CD-180-RA	WOMT100308-...-D39		37.5	37	32	295	329	270	60				
H3970-CD18/W10	39.70	CD-180-RA	WOMT100308-...-D39		37.5	37	32	295	329	270	60				
H4000-CD18/W10	40.00	CD-180-RA	WOMT100308-...-D39	S39-50-7D	39.5	39	50	300	343	275	60		Key17-20		
H4100-CD19/W10	41.00	CD-190-RA	WOMT100308-...-D39		39.5	39	50	300	343	275	60				
H4128-CD19/W10	41.28	CD-190-RA	WOMT100308-...-D39		39.5	39	50	300	343	275	60				
H4200-CD19/W10	42.00	CD-190-RA	WOMT120408-...-D42	S41-50-7D	41.5	41	50	320	360	295	80	IF42	Key14-16.9		
H4300-CD16/W12	43.00	CD-160-RA	WOMT120408-...-D42		41.5	41	50	320	360	295	80				
H4400-CD18/W12	44.00	CD-180-RA	WOMT120408-...-D42		41.5	41	50	320	360	295	80				
H4445-CD18/W12	44.45	CD-180-RA	WOMT120408-...-D42		41.5	41	50	320	360	295	80		Key17-19.9		
H4500-CD18/W12	45.00	CD-180-RA	WOMT120408-...-D42	S44-50-7D	44.5	44	50	346	390	320	80				
H4600-CD19/W12	46.00	CD-190-RA	WOMT120408-...-D42		44.5	44	50	346	390	320	80				
H4700-CD20/W12	47.00	CD-200-RA	WOMT120408-...-D42		44.5	44	50	346	390	320	80				
H4763-CD21/W12	47.63	CD-210-RA	WOMT120408-...-D42		44.5	44	50	346	390	320	80				
H4800-CD21/W12	48.00	CD-210-RA	WOMT120408-...-D42	S47-50-7D	47.5	47	50	360	400	325	80	IF48	Key20-26		
H4900-CD22/W12	49.00	CD-220-RA	WOMT120408-...-D42		47.5	47	50	360	400	325	80				
H5000-CD23/W12	50.00	CD-230-RA	WOMT120408-...-D42		47.5	47	50	360	400	325	80				
H5080-CD24/W12	50.80	CD-240-RA	WOMT120408-...-D42	S50-50-7D	50.3	49.8	50	375	415	340	80				
H5100-CD24/W12	51.00	CD-240-RA	WOMT120408-...-D42		50.3	49.8	50	375	415	340	80				
H5200-CD25/W12	52.00	CD-250-RA	WOMT120408-...-D42		50.3	49.8	50	375	415	340	80				
H5300-CD26/W12	53.00	CD-260-RA	WOMT120408-...-D42		50.3	49.8	50	375	415	340	80				
H5398-CD27/W12	53.98	CD-270-RA	WOMT120408-...-D42	S53-50-7D	53.4	53	50	385	425	350	80				
H5400-CD27/W12	54.00	CD-270-RA	WOMT120408-...-D42		53.4	53	50	385	425	350	80				
H5500-CD28/W12	55.00	CD-280-RA	WOMT120408-...-D42		53.4	53	50	385	425	350	80				

7D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



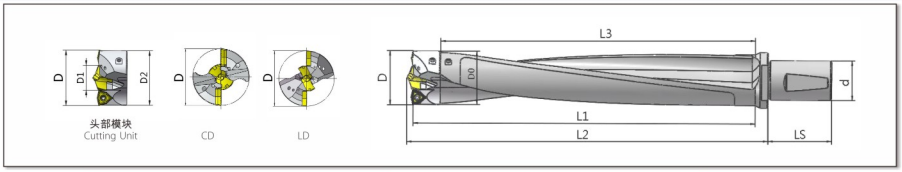
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-CD20/W15	56.00	CD-200-RA	WOMT150308-...-D55	G53-50-7D	55	53	50	429	452	395	80	IF53	Key20-26	M5X10	T20
T5700-CD21/W15	57.00	CD-210-RA	WOMT150308-...-D55		56	53	50	429	452	395	80				
T5800-CD22/W15	58.00	CD-220-RA	WOMT150308-...-D55		57	53	50	429	452	395	80				
T5900-CD23/W15	59.00	CD-230-RA	WOMT150308-...-D55	G58-50-7D	58	58	50	486	514	452	80	IF58			
T6000-CD24/W15	60.00	CD-240-RA	WOMT150308-...-D55		59	58	50	486	514	452	80				
T6100-CD25/W15	61.00	CD-250-RA	WOMT150308-...-D55		60	58	50	486	514	452	80				
T6200-CD26/W15	62.00	CD-260-RA	WOMT150308-...-D55		61	58	50	486	514	452	80				
T6300-CD27/W15	63.00	CD-270-RA	WOMT150308-...-D55		62	58	50	486	514	452	80				
T6400-CD28/W15	64.00	CD-280-RA	WOMT150308-...-D55		63	58	50	486	514	452	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-7D	64	64	50	525	548	490	80	IF64	Key27-32		
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	525	548	490	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	525	548	490	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	525	548	490	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	525	548	490	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	525	548	490	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	525	548	480	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-7D	71	71	50	605	625	565	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	605	625	565	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	605	625	565	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	605	625	565	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	605	625	565	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	605	625	565	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	605	625	565	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	605	625	565	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	605	625	565	80				

8D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



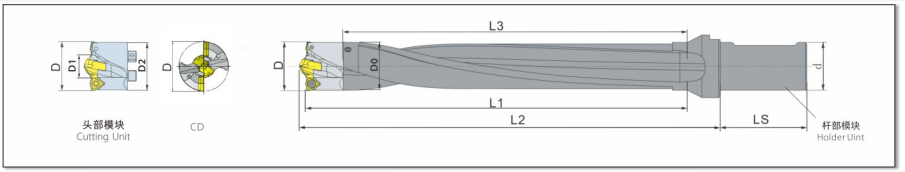
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-CD14/A04	28.00	CD-140-RA	AOMT040308	S27-32-8D	27.5	27	32	245	285	225	60	IF28	Key14-16.9	M2.5X8	T9
H2858-CD15/A04	28.58	CD-150-RA	AOMT040308		27.5	27	32	245	285	225	60				
H2900-CD16/A04	29.00	CD-160-RA	AOMT040308		27.5	27	32	245	285	225	60				
H2936-CD16/A04	29.36	CD-160-RA	AOMT040308		27.5	27	32	245	285	225	60				
H3000-CD16/A04	30.00	CD-160-RA	AOMT040308	S29-32-8D	29.5	29	32	250	288	230	60		Key17-19.9		
H3018-CD18/A04	30.18	CD-170-RA	AOMT040308		29.5	29	32	250	288	230	60				
H3096-CD18/A04	30.96	CD-170-RA	AOMT040308		29.5	29	32	250	288	230	60				
H3100-CD18/A04	31.00	CD-170-RA	AOMT040308		29.5	29	32	250	288	230	60				
H3175-CD15/W08	31.75	CD-150-RA	WOMT080308-...-D33	S31-32-8D	31.25	30.75	32	279	314	257	60	IF32	Key14-16.9	M3X10	T10
H3200-CD15/W08	32.00	CD-150-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3300-CD16/W08	33.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3320-CD16/W08	33.20	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3335-CD16/W08	33.35	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3400-CD18/W08	34.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3493-CD18/W08	34.93	CD-180-RA	WOMT080308-...-D33		31.25	30.75	32	279	314	257	60				
H3500-CD18/W08	35.00	CD-180-RA	WOMT080308-...-D33	S34-32-8D	34.5	34	32	312	348	290	60		Key17-19.9		
H3600-CD18/W08	36.00	CD-180-RA	WOMT080308-...-D33		34.5	34	32	312	348	290	60				
H3653-CD19/W08	36.53	CD-190-RA	WOMT080308-...-D33		34.5	34	32	312	348	290	60				
H3700-CD16/W10	37.00	CD-160-RA	WOMT100308-...-D39		34.5	34	32	312	348	290	60				
H3750-CD16/W10	37.50	CD-160-RA	WOMT100308-...-D39		34.5	34	32	312	348	290	60				
H3800-CD16/W10	38.00	CD-160-RA	WOMT100308-...-D39	S37-32-8D	37.5	37	32	335	366	310	60	IF38	Key14-16.9	M4X12	T15
H3810-CD16/W10	38.10	CD-160-RA	WOMT100308-...-D39		37.5	37	32	335	366	310	60				
H3900-CD18/W10	39.00	CD-180-RA	WOMT100308-...-D39		37.5	37	32	335	366	310	60				
H3920-CD18/W10	39.20	CD-180-RA	WOMT100308-...-D39		37.5	37	32	335	366	310	60				
H3970-CD18/W10	39.70	CD-180-RA	WOMT100308-...-D39		37.5	37	32	335	366	310	60				
H4000-CD18/W10	40.00	CD-180-RA	WOMT100308-...-D39	S39-50-8D	39.5	39	50	345	395	320	60		Key17-20		
H4100-CD19/W10	41.00	CD-190-RA	WOMT100308-...-D39		39.5	39	50	345	395	320	60				
H4128-CD19/W10	41.28	CD-190-RA	WOMT100308-...-D39		39.5	39	50	345	395	320	60				
H4200-CD19/W10	42.00	CD-190-RA	WOMT120408-...-D42	S41-50-8D	41.5	41	50	365	405	340	80	IF42	Key14-16.9		
H4300-CD16/W12	43.00	CD-160-RA	WOMT120408-...-D42		41.5	41	50	365	405	340	80				
H4400-CD18/W12	44.00	CD-180-RA	WOMT120408-...-D42		41.5	41	50	365	405	340	80				
H4445-CD18/W12	44.45	CD-180-RA	WOMT120408-...-D42		41.5	41	50	365	405	340	80		Key17-19.9		
H4500-CD18/W12	45.00	CD-180-RA	WOMT120408-...-D42	S44-50-8D	44.5	44	50	390	435	364	80				
H4600-CD19/W12	46.00	CD-190-RA	WOMT120408-...-D42		44.5	44	50	390	435	364	80				
H4700-CD20/W12	47.00	CD-200-RA	WOMT120408-...-D42		44.5	44	50	390	435	364	80				
H4763-CD21/W12	47.63	CD-210-RA	WOMT120408-...-D42		44.5	44	50	390	435	364	80				
H4800-CD21/W12	48.00	CD-210-RA	WOMT120408-...-D42	S47-50-8D	47.5	47	50	410	450	375	80	IF48	Key20-26		
H4900-CD22/W12	49.00	CD-220-RA	WOMT120408-...-D42		47.5	47	50	410	450	375	80				
H5000-CD23/W12	50.00	CD-230-RA	WOMT120408-...-D42		47.5	47	50	410	450	375	80				
H5080-CD24/W12	50.80	CD-240-RA	WOMT120408-...-D42	S50-50-8D	50.3	49.8	50	425	465	390	80				
H5100-CD24/W12	51.00	CD-240-RA	WOMT120408-...-D42		50.3	49.8	50	425	465	390	80				
H5200-CD25/W12	52.00	CD-250-RA	WOMT120408-...-D42		50.3	49.8	50	425	465	390	80				
H5300-CD26/W12	53.00	CD-260-RA	WOMT120408-...-D42		50.3	49.8	50	425	465	390	80				
H5398-CD27/W12	53.98	CD-270-RA	WOMT120408-...-D42	S53-50-8D	53.4	53	50	440	480	405	80				
H5400-CD27/W12	54.00	CD-270-RA	WOMT120408-...-D42		53.4	53	50	440	480	405	80				
H5500-CD28/W12	55.00	CD-280-RA	WOMT120408-...-D42		53.4	53	50	440	480	405	80				

8D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



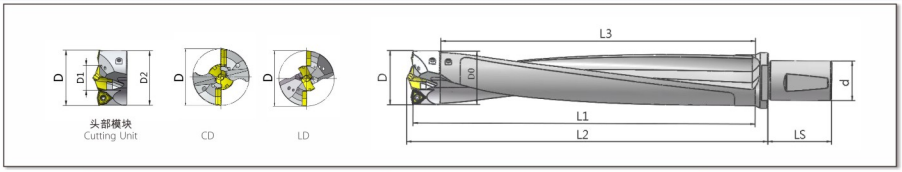
头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-CD20/W15	56.00	CD-200-RA	WOMT150308-...-D55	G53-50-8D	55	53	50	499	522	465	80	IF53	Key20-26	M5X10	T20
T5700-CD21/W15	57.00	CD-210-RA	WOMT150308-...-D55		56	53	50	499	522	465	80				
T5800-CD22/W15	58.00	CD-220-RA	WOMT150308-...-D55		57	53	50	499	522	465	80				
T5900-CD23/W15	59.00	CD-230-RA	WOMT150308-...-D55	G58-50-8D	58	58	50	548	576	514	80	IF58			
T6000-CD24/W15	60.00	CD-240-RA	WOMT150308-...-D55		59	58	50	548	576	514	80				
T6100-CD25/W15	61.00	CD-250-RA	WOMT150308-...-D55		60	58	50	548	576	514	80				
T6200-CD26/W15	62.00	CD-260-RA	WOMT150308-...-D55		61	58	50	548	576	514	80				
T6300-CD27/W15	63.00	CD-270-RA	WOMT150308-...-D55		62	58	50	548	576	514	80				
T6400-CD28/W15	64.00	CD-280-RA	WOMT150308-...-D55		63	58	50	548	576	514	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-8D	64	64	50	595	618	560	80	IF64	Key27-32		
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	595	618	560	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	595	618	560	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	595	618	560	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	595	618	560	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	595	618	560	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	595	618	560	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-8D	71	71	50	685	705	645	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	685	705	645	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	685	705	645	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	685	705	645	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	685	705	645	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	685	705	645	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	685	705	645	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	685	705	645	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	685	705	645	80				

10D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders



头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
H2800-CD14/A04	28.00	CD-140-RA	AOMT040308	S27-32-10D	27.5	27	32	300	340	280	60	IF28	Key14-16.9	M2.5X8	T9
H2858-CD15/A04	28.58	CD-150-RA	AOMT040308		27.5	27	32	300	340	280	60				
H2900-CD16/A04	29.00	CD-160-RA	AOMT040308		27.5	27	32	300	340	280	60				
H2936-CD16/A04	29.36	CD-160-RA	AOMT040308		27.5	27	32	300	340	280	60				
H3000-CD16/A04	30.00	CD-160-RA	AOMT040308	S29-32-10D	29.5	29	32	310	348	290	60		Key17-19.9		
H3018-CD18/A04	30.18	CD-170-RA	AOMT040308		29.5	29	32	310	348	290	60				
H3096-CD18/A04	30.96	CD-170-RA	AOMT040308		29.5	29	32	310	348	290	60				
H3100-CD18/A04	31.00	CD-170-RA	AOMT040308		29.5	29	32	310	348	290	60				
H3175-CD15/W08	31.75	CD-150-RA	WOMT080308-...-D33	S31-32-10D	31.25	30.75	32	349	384	327	60	IF32	Key14-16.9	M3X10	T10
H3200-CD15/W08	32.00	CD-150-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3300-CD16/W08	33.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3320-CD16/W08	33.20	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3335-CD16/W08	33.35	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3400-CD18/W08	34.00	CD-160-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3493-CD18/W08	34.93	CD-180-RA	WOMT080308-...-D33		31.25	30.75	32	349	384	327	60				
H3500-CD18/W08	35.00	CD-180-RA	WOMT080308-...-D33	S34-32-10D	34.5	34	32	382	418	360	60		Key17-19.9		
H3600-CD18/W08	36.00	CD-180-RA	WOMT080308-...-D33		34.5	34	32	382	418	360	60				
H3653-CD19/W08	36.53	CD-190-RA	WOMT080308-...-D33		34.5	34	32	382	418	360	60				
H3700-CD16/W10	37.00	CD-160-RA	WOMT100308-...-D39		34.5	34	32	382	418	360	60				
H3750-CD16/W10	37.50	CD-160-RA	WOMT100308-...-D39		34.5	34	32	382	418	360	60				
H3800-CD16/W10	38.00	CD-160-RA	WOMT100308-...-D39	S37-32-10D	37.5	37	32	412	443	387	60	IF38	Key14-16.9	M4X12	T15
H3810-CD16/W10	38.10	CD-160-RA	WOMT100308-...-D39		37.5	37	32	412	443	387	60				
H3900-CD18/W10	39.00	CD-180-RA	WOMT100308-...-D39		37.5	37	32	412	443	387	60				
H3920-CD18/W10	39.20	CD-180-RA	WOMT100308-...-D39		37.5	37	32	412	443	387	60				
H3970-CD18/W10	39.70	CD-180-RA	WOMT100308-...-D39		37.5	37	32	412	443	387	60				
H4000-CD18/W10	40.00	CD-180-RA	WOMT100308-...-D39	S39-50-10D	39.5	39	50	425	480	400	60		Key17-20		
H4100-CD19/W10	41.00	CD-190-RA	WOMT100308-...-D39		39.5	39	50	425	480	400	60				
H4128-CD19/W10	41.28	CD-190-RA	WOMT100308-...-D39		39.5	39	50	425	480	400	60				
H4200-CD19/W10	42.00	CD-190-RA	WOMT120408-...-D42	S41-50-10D	41.5	41	50	455	500	430	80	IF42	Key14-16.9		
H4300-CD16/W12	43.00	CD-160-RA	WOMT120408-...-D42		41.5	41	50	455	500	430	80				
H4400-CD18/W12	44.00	CD-180-RA	WOMT120408-...-D42		41.5	41	50	455	500	430	80				
H4445-CD18/W12	44.45	CD-180-RA	WOMT120408-...-D42		41.5	41	50	455	500	430	80		Key17-19.9		
H4500-CD18/W12	45.00	CD-180-RA	WOMT120408-...-D42	S44-50-10D	44.5	44	50	485	530	459	80				
H4600-CD19/W12	46.00	CD-190-RA	WOMT120408-...-D42		44.5	44	50	485	530	459	80				
H4700-CD20/W12	47.00	CD-200-RA	WOMT120408-...-D42		44.5	44	50	485	530	459	80				
H4763-CD21/W12	47.63	CD-210-RA	WOMT120408-...-D42		44.5	44	50	485	530	459	80				
H4800-CD21/W12	48.00	CD-210-RA	WOMT120408-...-D42	S47-50-10D	47.5	47	50	510	550	475	80	IF48	Key20-26		
H4900-CD22/W12	49.00	CD-220-RA	WOMT120408-...-D42		47.5	47	50	510	550	475	80				
H5000-CD23/W12	50.00	CD-230-RA	WOMT120408-...-D42		47.5	47	50	510	550	475	80				
H5080-CD24/W12	50.80	CD-240-RA	WOMT120408-...-D42	S50-50-10D	50.3	49.8	50	530	570	495	80				
H5100-CD24/W12	51.00	CD-240-RA	WOMT120408-...-D42		50.3	49.8	50	530	570	495	80				
H5200-CD25/W12	52.00	CD-250-RA	WOMT120408-...-D42		50.3	49.8	50	530	570	495	80				
H5300-CD26/W12	53.00	CD-260-RA	WOMT120408-...-D42		50.3	49.8	50	530	570	495	80				
H5398-CD27/W12	53.98	CD-270-RA	WOMT120408-...-D42	S53-50-10D	53.4	53	50	550	590	515	80				
H5400-CD27/W12	54.00	CD-270-RA	WOMT120408-...-D42		53.4	53	50	550	590	515	80				
H5500-CD28/W12	55.00	CD-280-RA	WOMT120408-...-D42		53.4	53	50	550	590	515	80				

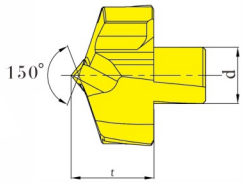
10D..Multi Tip系列分体式复合钻头刀体 Multi Tip Line Modular Toolholders

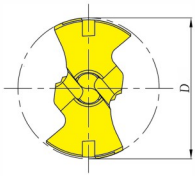


头部模块 Cutting Unit	钻孔尺寸 Drill Dia.D (mm)	中心刀头 Center Dirll head Dia.D1	扩孔刀片x2 Side Insert x2	杆部模块 Holder Uint	尺寸 Dimensions (mm) D2	D0	d	L1	L2	L3	LS	接口型号 Interface Code	配件 Spare Parts		
T5600-CD20/W15	56.00	CD-200-RA	WOMT150308-...-D55	G53-50-10D	55	53	50	619	642	585	80	IF53	Key20-26	M5X10	T20
T5700-CD21/W15	57.00	CD-210-RA	WOMT150308-...-D55		56	53	50	619	642	585	80				
T5800-CD22/W15	58.00	CD-220-RA	WOMT150308-...-D55		57	53	50	619	642	585	80				
T5900-CD23/W15	59.00	CD-230-RA	WOMT150308-...-D55	G58-50-10D	58	58	50	674	576	640	80	IF58			
T6000-CD24/W15	60.00	CD-240-RA	WOMT150308-...-D55		59	58	50	674	576	640	80				
T6100-CD25/W15	61.00	CD-250-RA	WOMT150308-...-D55		60	58	50	674	576	640	80				
T6200-CD26/W15	62.00	CD-260-RA	WOMT150308-...-D55		61	58	50	674	576	640	80				
T6300-CD27/W15	63.00	CD-270-RA	WOMT150308-...-D55		62	58	50	674	576	640	80		Key27-32		
T6400-CD28/W15	64.00	CD-280-RA	WOMT150308-...-D55		63	58	50	674	576	640	80				
T6500-LD29/W15	65.00	LD-290-RA	WOMT150308-...-D55	G64-50-10D	64	64	50	745	768	710	80	IF64			
T6600-LD30/W15	66.00	LD-300-RA	WOMT150308-...-D55		65	64	50	745	768	710	80				
T6700-LD31/W15	67.00	LD-310-RA	WOMT150308-...-D55		66	64	50	745	768	710	80				
T6800-LD32/W15	68.00	LD-320-RA	WOMT150308-...-D55		67	64	50	745	768	710	80				
T6900-LD33/W15	69.00	LD-330-RA	WOMT150308-...-D55		68	64	50	745	768	710	80		Key33-38		
T7000-LD34/W15	70.00	LD-340-RA	WOMT150308-...-D55		69	64	50	745	768	710	80				
T7100-LD35/W15	71.00	LD-350-RA	WOMT150308-...-D55		70	64	50	745	768	710	80				
T7200-LD36/W15	72.00	LD-360-RA	WOMT150308-...-D55	G71-50-10D	71	71	50	845	865	805	80	IF71			
T7300-LD37/W15	73.00	LD-370-RA	WOMT150308-...-D55		72	71	50	845	865	805	80				
T7400-LD38/W15	74.00	LD-380-RA	WOMT150308-...-D55		73	71	50	845	865	805	80				
T7500-LD39/W15	75.00	LD-390-RA	WOMT150308-...-D55		74	71	50	845	865	805	80		Key39-45		
T7600-LD40/W15	76.00	LD-400-RA	WOMT150308-...-D55		75	71	50	845	865	805	80				
T7700-LD41/W15	77.00	LD-410-RA	WOMT150308-...-D55		76	71	50	845	865	805	80				
T7800-LD42/W15	78.00	LD-420-RA	WOMT150308-...-D55		77	71	50	845	865	805	80				
T7900-LD43/W15	79.00	LD-430-RA	WOMT150308-...-D55		78	71	50	845	865	805	80				
T8000-LD44/W15	80.00	LD-440-RA	WOMT150308-...-D55		79	71	50	845	865	805	80				

MD. . . RA 中心刀头 Center Dirll head





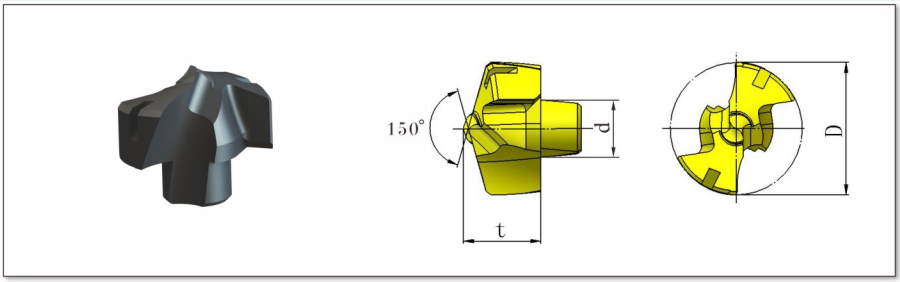


订货号 Order No.	尺寸 Dimensions(mm)		
	D	d	t
MD-140-RA	14	6	8.1
MD-150-RA	15	6	8.7
MD-160-RA	16	8	8.8
MD-170-RA	17	8	9.9
MD-180-RA	18	8	10.5
MD-190-RA	19	8	11.0
MD-200-RA	20	8	11.6
MD-210-RA	21	8	12.1
MD-220-RA	22	10	12.7
MD-230-RA	23	10	13.3
MD-240-RA	24	12	13.9
MD-250-RA	25	12	14.5
MD-260-RA	26	12	14.5
MD-270-RA	27	12	15.5
MD-280-RA	28	12	15.5

注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

CD. . . RA 中心刀头 Center Dirll head

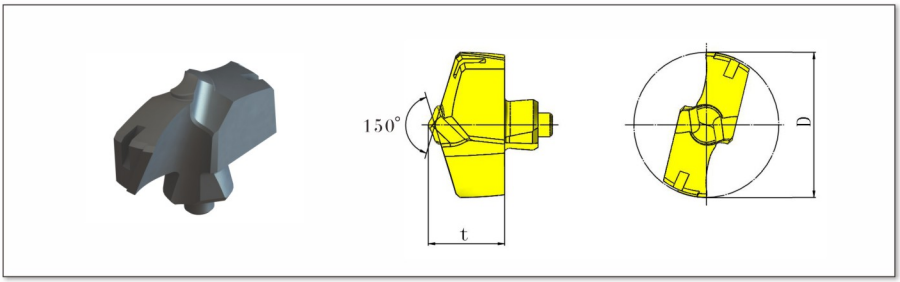


订货号 Order No.	尺寸 Dimensions(mm)		
	D	d	t
CD-140-RA	14	6	8.1
CD-150-RA	15	6	8.7
CD-160-RA	16	8	8.8
CD-170-RA	17	8	9.9
CD-180-RA	18	8	10.5
CD-190-RA	19	8	11.0
CD-200-RA	20	8	11.6
CD-210-RA	21	8	12.1
CD-220-RA	22	10	12.7
CD-230-RA	23	10	13.3
CD-240-RA	24	12	13.9
CD-250-RA	25	12	14.5
CD-260-RA	26	12	14.5
CD-270-RA	27	12	15.5
CD-280-RA	28	12	15.5

注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

LD. . . RA 中心刀头 Center Dirll head



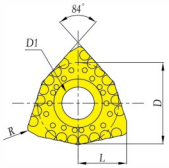
订货号 Order No.	尺寸 Dimensions(mm)	
	D	t
LD-290-RA	29	16.0
LD-300-RA	30	16.0
LD-310-RA	31	16.0
LD-320-RA	32	17.5
LD-330-RA	33	18.0
LD-340-RA	34	18.5
LD-350-RA	35	18.5
LD-360-RA	36	19.5
LD-370-RA	37	19.5
LD-380-RA	38	20.0
LD-390-RA	39	20.0
LD-400-RA	40	21.0
LD-410-RA	41	21.0
LD-420-RA	42	21.0
LD-430-RA	43	22.0
LD-440-RA	44	22.0

注：RA钻尖具有定心功能，轴向钻削力较小，5D以上钻孔更具优势，尖适用于中高碳钢、合金钢等钻孔

RA cutting head can drill with self-centering and less drill force and more advantages can be relfected with drilling middle & high carbon , ally steel etc. (espcially for more than 5D)

WOMT. . . W. . . 扩孔刀片 Side Inserts

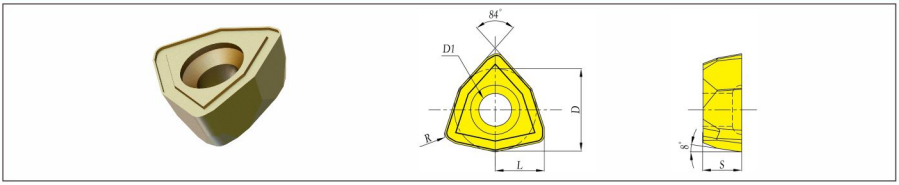






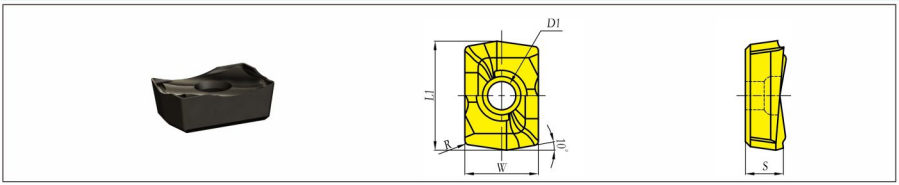
订货号 Order No.	尺寸 Dimensions(mm)			
	D	D1	R	S
WOMT080308-W5-D33	8	3.4	0.8	3.75
WOMT100308-W5-D39	10	4.4	0.8	3.75
WOMT120408-W5-D42	12	4.4	0.8	4.75
WOMT150508-W5-D55	15	5.5	0.8	5.25
WOMT080308-W6-D33	8	3.4	0.8	3.75
WOMT100308-W6-D39	10	4.4	0.8	3.75
WOMT120408-W6-D42	12	4.4	0.8	4.75
WOMT150508-W6-D55	15	5.5	0.8	5.25
WOMT080308-W7-D33	8	3.4	0.8	3.75
WOMT100308-W7-D39	10	4.4	0.8	3.75
WOMT120408-W7-D42	12	4.4	0.8	4.75
WOMT150508-W7-D55	15	5.5	0.8	5.25

WOMT. . . V. . . 扩孔刀片 Side Inserts



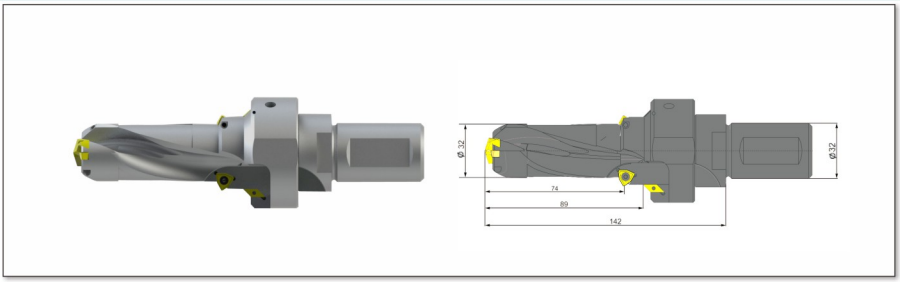
订货号 Order No.	尺寸 Dimensions(mm)			
	D	D1	R	S
WOMT080308-V1-D33	8	3.4	0.8	3.75
WOMT100308-V1-D39	10	4.4	0.8	3.75
WOMT120408-V1-D42	12	4.4	0.8	4.75
WOMT150508-V1-D55	15	5.5	0.8	5.25
WOMT080308-V2-D33	8	3.4	0.8	3.75
WOMT100308-V2-D39	10	4.4	0.8	3.75
WOMT120408-V2-D42	12	4.4	0.8	4.75
WOMT150508-V2-D55	15	5.5	0.8	5.25

AOMT. . . 扩孔刀片 Side Inserts

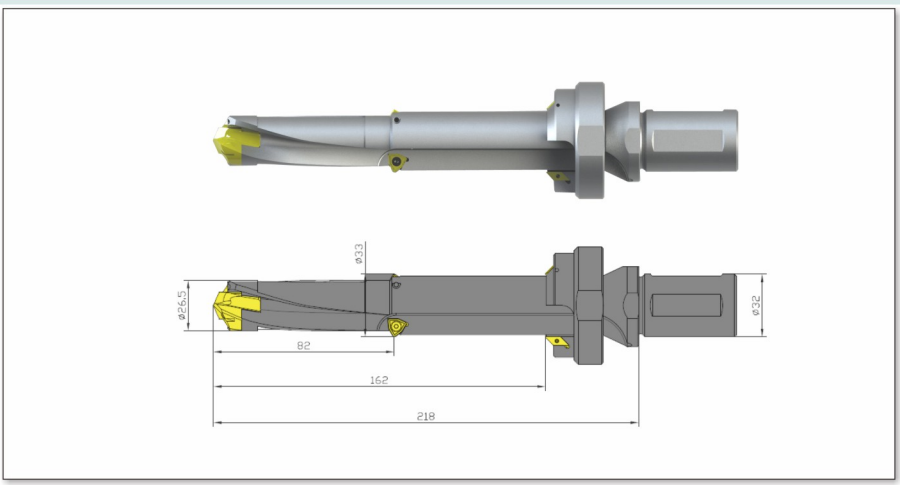


订货号 Order No.	尺寸 Dimensions(mm)				
	W	L1	D1	R	S
AOMT040308	7.26	10.76	2.85	0.4	3.79

非标定制复合阶梯钻孔刀具Special Multi-insert Step Drill Toolholders with Coolant



非标定制复合阶梯钻孔刀具Special Mult-Insert Step Drill Toolholders with Coolant



*可根据用户提供图纸专门设计制造复合钻孔刀具
we can design and make special mult-insert dirll tools according to client's drowings

Multi Tip系列推荐的切削参数 Technical Information

材料分组 materials		条件 heat treatment	切削速度 -VC 范围 -m/min			公制 Metric System 根据直径推荐进给率（F mm/r）			
			最小值min	初始值init	最大值max	28.00-31.74 mm	31.75-35.99 mm	36.00-44.99 mm	45.00-55.00 mm
P	2	S	90	190	230	0.160-0.280	0.160-0.280	0.200-0.360	0.200-0.400
		U	71	130	170	0.160-0.280	0.160-0.280	0.200-0.360	0.200-0.400
		I	50	80	110	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
	3	S	90	180	230	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
		U	70	120	170	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
		I	50	70	106	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
	4	S	90	140	220	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
		U	70	110	160	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
		I	50	80	110	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
	5	S	90	130	210	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
		U	70	100	150	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
		I	50	70	100	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
	6	S	90	90	180	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
		U	75	75	120	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
		I	60	60	100	0.160-0.280	0.160-0.280	0.200-0.320	0.200-0.400
M	1	S	110	110	135	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
		U	70	70	90	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
		I	50	50	65	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
	2	S	100	100	135	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
		U	60	60	90	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
		I	50	50	65	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
	3	S	90	90	135	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
		U	60	60	90	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
		I	40	40	65	0.130-0.250	0.130-0.250	0.160-0.280	0.160-0.320
K	1	S	170	170	230	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
		U	120	120	160	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
		I	70	70	90	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
	2	S	160	160	220	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
		U	110	110	160	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
		I	70	70	100	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
	3	S	150	150	210	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
		U	100	100	150	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
		I	60	60	90	0.180-0.300	0.180-0.300	0.216-0.360	0.240-0.420
N	1	S	240	240	360	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
		U	160	160	240	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
		I	100	100	160	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
	2	S	220	220	360	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
		U	150	150	240	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
		I	100	100	160	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
	3	S	200	200	360	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
		U	140	140	240	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
		I	90	90	160	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
	4	S	220	220	260	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
		U	140	140	170	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320
		I	90	90	110	0.120-0.200	0.120-0.200	0.144-0.280	0.160-0.320