

车槽和镗孔系列产品手册

Car groove and boring series product manual



陕西航空硬质合金工具有限责任公司
Shaanxi Aviation Carbide Tools Co., Ltd.



公司简介

Company Profile

陕西航空硬质合金工具有限责任公司创建于1969年，是航空工业下属的集硬质合金制品、硬质合金刀具科研、生产和贸易为一体的专业化工具企业，从事硬质合金材料及制品、整体硬质合金刀具、可转位刀片、可转位刀具、硬质合金焊接刀具、数控工具系统的研发与制造，产品广泛应用于航空、航发、航天、兵器工业、汽车、高铁、机床等重点行业。



历经50多年的发展，陕硬公司通过了国军标质量管理体系认证、国防计量认证，拥有陕西省“企业技术中心”称号，是陕西省科技型中小企业、高新技术企业、“专精特新”企业，两项产品获得陕西省名牌产品称号，一项产品获陕西省工业精品。陕硬公司始终紧盯行业前端、持续先进技术研发，承担了多种重点飞机专用配套刀具的研制，公司参与的“弱刚度构件切削的工艺力学理论与方法”获得陕西省科学技术奖一等奖；“大型复杂薄壁结构的多柔性匹配切削制造技术及应用”获得国家技术发明奖二等奖，公司坚持以“航空报国，航空强国”的宗旨和“敬业诚信，创新超越”的理念致力于民族基础工业的振兴，推动国产切削工具的发展。

Shaanxi Aviation Hard Alloy Tools Co., Ltd. was founded in 1969, is a professional tool enterprise under the aviation industry integrating scientific research, production and trade of cemented carbide products and cemented carbide tools, engaging in the research, development and manufacture of cemented carbide materials and products, integral cemented carbide cutting tools, indexable inserts, indexable cutting tools, cemented carbide welding tools, and numerical control tooling systems, and the products are widely used in The products are widely used in aviation, aeronautics, aerospace, weapon industry, automobile, high-speed railway, machine tools and other key industries.

After more than 50 years of development, the company has passed the national military standard quality management system certification, national defence measurement certification, has the title of Shaanxi Province "enterprise technology centre", is Shaanxi Province science and

technology-based small and medium-sized enterprises, high-tech enterprises. Two products won the title of Shaanxi Province brand-name products, a product won the Shaanxi Province Industrial Excellence. The company has always been focusing on the front end of the industry, continued advanced technology research and development, has undertaken a variety of key aircraft special matching tool development, the company participated in the "weak stiffness components cutting process mechanics theory and method" won the first prize of Shaanxi Provincial Science and Technology Award; "large and complex thin-walled structure of the multi-flexible match The "Multi-flexible Matching Cutting Manufacturing Technology and Application for Large Complex Thin-walled Structures" won the second prize of National Technology Invention Award. The company insists on the tenet of "Serving the country with aviation, strengthening the country with aviation" and the concept of "Dedication and honesty, innovation and transcendence", which is committed to the revitalisation of the national basic industry and the promotion of the development of domestic cutting tools. Promote the development of domestic cutting tools.





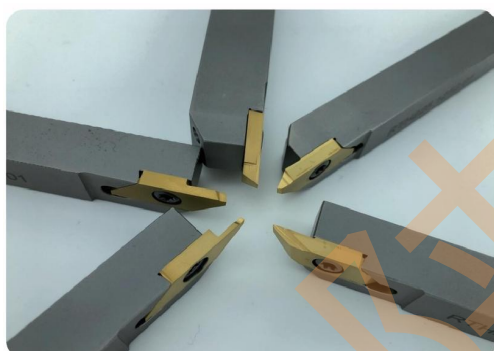
车槽和镗孔系列刀具/Chute and boring series cutting tools



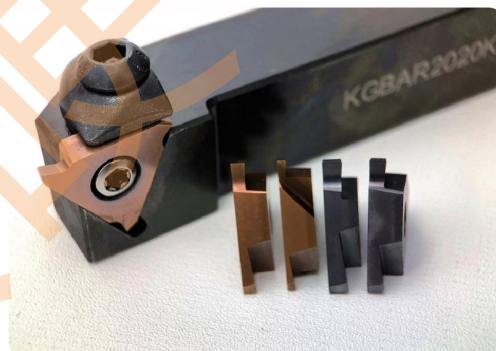
S 系列/S series



BM 系列/BM series



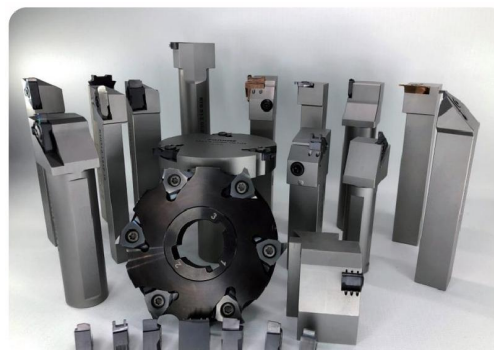
外圆切槽系列/Outer circle groove series



浅槽系列/Shallow groove series



M 系列 /M series

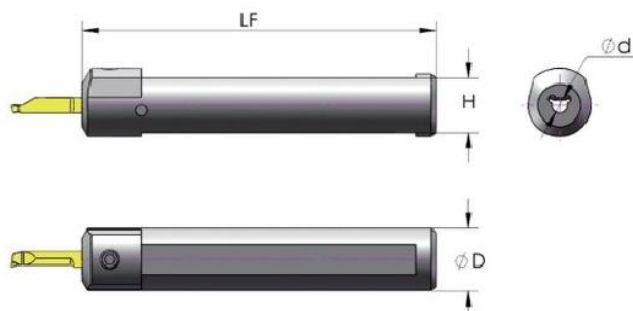


非标系列/Non-standard series



微镗 S 系列刀杆（公制内冷钢刀杆）

Micro boring S Holder(Steel holder in Metric with internal coolant)

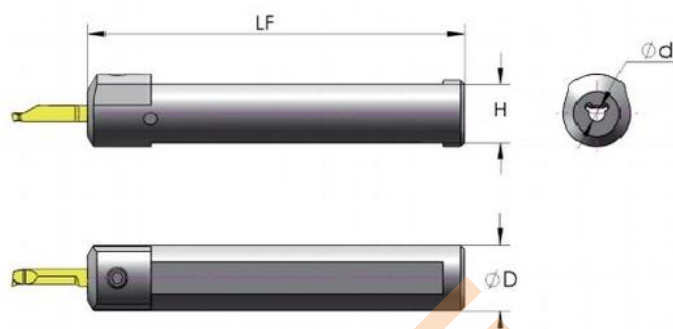


可装配 S 系列刀具

订货号 Order Number	d	D	LF	H
6311•001/A10. 04	4	10	65	8
6311•001/A10. 05	5			
6311•001/A12. 04	4	12	70	10
6311•001/A12. 05	5			
6311•001/A12. 06	6			
6311•001/A16. 04	4	16	75	14
6311•001/A16. 05	5			
6311•001/A16. 06	6			
6311•001/A16. 07	7			
6311•001/A16. 08	8			
6311•001/A20. 04	4	20	90	18
6311•001/A20. 05	5			
6311•001/A20. 06	6			
6311•001/A20. 07	7			
6311•001/A20. 08	8			
6311•001/A22. 04	4	22	110	18
6311•001/A22. 05	5			
6311•001/A22. 06	6			
6311•001/A22. 07	7			
6311•001/A25. 04	4	25	110	23
6311•001/A25. 05	5			
6311•001/A25. 06	6			
6311•001/A25. 07	7			
6311•001/A25. 08	8			
6311•001/A25. 10	10			

微镗 S 系列刀杆（英制内冷钢刀杆）

Micro boring S Holder(Steel holder in inchwith internal coolant)

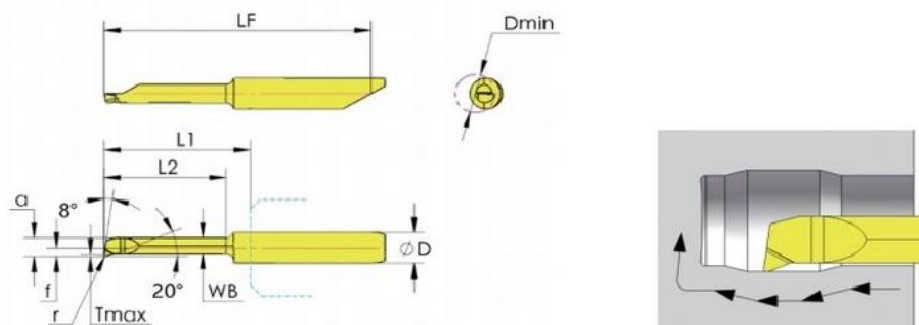


可装配 S 系列刀具

订货号 OrderNumber	d	D	LF	H
6311•002/A0750. 04	4	19. 05	110	17. 05
6311•002/A0750. 05	5			
6311•002/A0750. 06	6			
6311•002/A0750. 07	7			
6311•002/A0750. 08	8	25. 4	110	23. 4
6311•002/A1000. 04M	4			
6311•002/A1000. 05M	5			
6311•002/A1000. 06M	6			
6311•002/A1000. 07M	7			
6311•002/A1000. 08	8			
6311•002/A1000. 10	10			



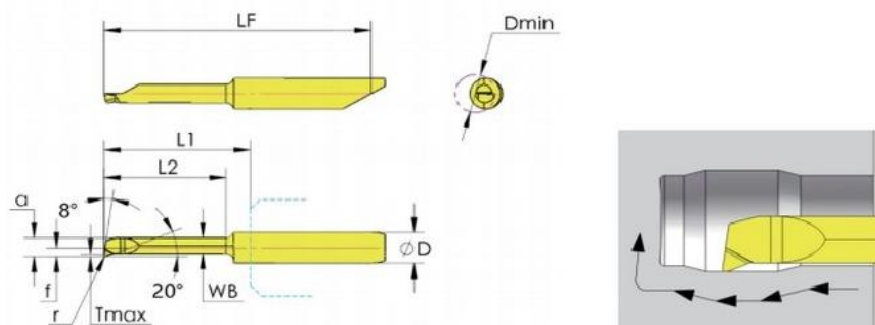
S 系列内孔镗刀/S Boring



图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•004/098. 00. 0301R/L	0.3	1.2	0	0.06	0.25	0.1	0.19	13	4	27.3
1620•004/098. 00. 0401R/L	0.4	1.6	0	0.07	0.35	0.15	0.28	13	4	27.3
1620•004/098. 00. 0502R/L	0.5	2	0	0.08	0.45	0.2	0.37	13	4	27.3
1620•004/098. 00. 0602R/L	0.6	2.5	0	0.09	0.55	0.25	0.46	13	4	27.3
1620•004/098. 00. 0703R/L	0.7	3.5	0	0.1	0.65	0.3	0.55	13	4	27.3
1620•004/098. 00. 0804R/L	0.8	4	0	0.1	0.7	0.35	0.64	13	4	27.3
1620•004/098. 00. 0905R/L	0.9	5	0	0.1	0.8	0.4	0.73	13	4	27.3
1620•004/098. 05. 1004R/L	1	4	0.05	0.1	0.9	0.45	0.65	12	4	27.3
1620•004/098. 05. 1006R/L		6						12		27.3
1620•004/098. 10. 1004R/L	1	4	0.1	0.1	0.9	0.45	0.65	13	4	27.3
1620•004/098. 10. 1006R/L		6						13		27.3
1620•004/098. 05. 1706R/L	1.7	6	0.05	0.2	1.5	0.7	1.05	12	4	27.3
1620•004/098. 05. 1709R/L		9						12		27.3
1620•004/098. 10. 1706R/L	1.7	6	0.1	0.2	1.5	0.7	1.05	13	4	27.3
1620•004/098. 10. 1709R/L		9						13		27.3

S 系列内孔镗刀/S Boring

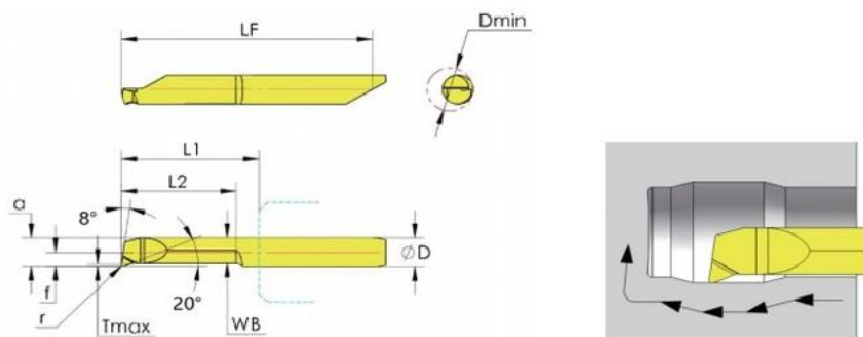


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•004/098. 05. 2206 R/L	2. 2	6	0. 05	0. 2	2	0. 95	1. 55	12	4	27. 3
1620•004/098. 05. 2209 R/L		9						12		27. 3
1620•004/098. 10. 2206 R/L	2. 2	6	0. 1	0. 2	2	0. 95	1. 55	13	4	27. 3
1620•004/098. 10. 2209 R/L		9						13		27. 3
1620•004/098. 10. 2213 R/L		13						18		32. 3
1620•004/098. 03. 2710 R/L	2. 7	10	0. 03	0. 2	2. 5	1. 2	2. 05	13	4	27. 3
1620•004/098. 05. 2710 R/L	2. 7	10	0. 05	0. 2	2. 5	1. 2	2. 05	13	4	27. 3
1620•004/098. 05. 2715 R/L		15						18		32. 3
1620•004/098. 15. 2710 R/L	2. 7	10	0. 15	0. 2	2. 5	1. 2	2. 05	13	4	27. 3
1620•004/098. 15. 2715 R/L		15						18		32. 3
1620•004/098. 03. 3210 R/L	3. 2	10	0. 03	0. 2	2. 95	1. 45	2. 55	13	4	27. 3
1620•004/098. 05. 3215 R/L		15	0. 05					18		32. 3
1620•004/098. 05. 3220 R/L		20						23		37. 3
1620•004/098. 15. 3210 R/L	3. 2	10	0. 15	0. 2	2. 95	1. 45	2. 55	13	4	27. 3
1620•004/098. 15. 3215 R/L		15						18		32. 3
1620•004/098. 15. 3220 R/L		20						23		37. 3
1620•004/098. 15. 3715 R/L	3. 7	15	0. 15	0. 2	3. 45	1. 7	3. 05	17	4	32. 3



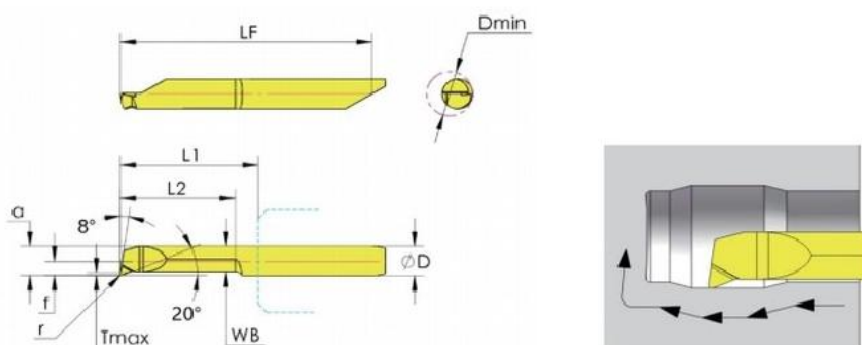
S 系列内孔镗刀/S Boring



图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	R	Tmax	a	f	WB	L1	D	LF
1620•004/098. 03. 4210 R/L	4. 2	10	0. 03	0. 3	3. 95	1. 95	3. 45	13	4	27. 3
1620•004/098. 05. 4215 R/L		15	0. 05					18		32. 3
1620•004/098. 05. 4220 R/L		20						23		37. 3
1620•004/098. 05. 4225 R/L		25						28		42. 3
1620•004/098. 15. 4210 R/L	4. 2	10	0. 15	0. 3	3. 95	1. 95	3. 45	13	4	27. 3
1620•004/098. 15. 4215 R/L		15						18		32. 3
1620•004/098. 15. 4220 R/L		20						23		37. 3
1620•004/098. 15. 4225 R/L		25						28		42. 3
1620•005/098. 05. 5220 R/L	5. 2	20	0. 05	0. 5	4. 95	2. 45	4. 25	23	5	42. 3
1620•005/098. 05. 5230 R/L		30						33		52. 3
1620•005/098. 20. 5210 R/L	5. 2	10	0. 2	0. 5	4. 95	2. 45	4. 25	13	5	32. 3
1620•005/098. 20. 5220 R/L		20						23		42. 3
1620•005/098. 20. 5225 R/L		25						28		47. 3
1620•005/098. 20. 5230 R/L		30						33		52. 3
1620•005/098. 20. 5235 R/L		35						38		57. 3
1620•005/098. 20. 5240 R/L		40						43		62. 3

S 系列内孔镗刀/S Boring



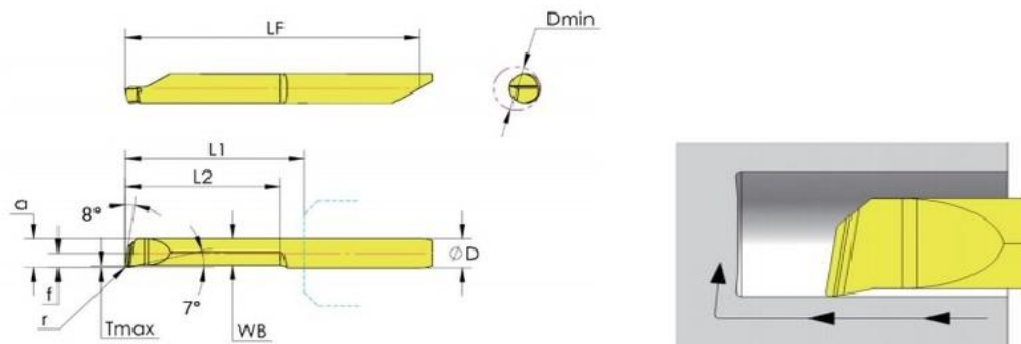
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•006/098. 05. 6220 R/L	6. 2	20	0. 05	0. 5	5. 95	2. 95	5. 25	23	6	42. 3
1620•006/098. 20. 6215 R/L		15	18					37. 3		
1620•006/098. 20. 6220 R/L		20	23					42. 3		
1620•006/098. 20. 6225 R/L		25	28					47. 3		
1620•006/098. 20. 6230 R/L		30	33					52. 3		
1620•006/098. 20. 6235 R/L		35	38					57. 3		
1620•006/098. 20. 6240 R/L		40	43					62. 3		
1620•007/098. 20. 7225 R/L	7. 2	25	0. 2	0. 5	6. 95	3. 45	6. 25	28	7	47. 3
1620•007/098. 20. 7230 R/L		30						33		52. 3
1620•007/098. 20. 7240 R/L		40						43		62. 3
1620•007/098. 20. 7245 R/L		45						48		67. 3
1620•007/098. 20. 7250 R/L		50						53		72. 3



S 系列内孔镗刀（带有断屑槽）

S Boring(With Chip Breaker)



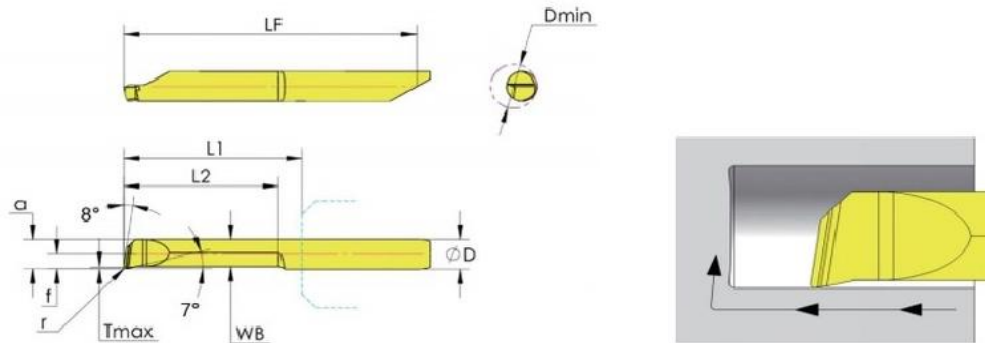
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•004/098A08. 4230 R/L	4. 2	30	0. 08	0. 25	3. 95	1. 95	3. 55	38	4	52. 3
1620•004/098A15. 4210 R/L		10. 3	0. 15	0. 5			3. 8	13		27. 3
1620•004/098A15. 4220 R/L		20. 3					3. 8	23		37. 3
1620•004/098A15. 4225 R/L		25. 3					3. 45	28		42. 3
1620•004/098A20. 4215 R/L		15. 3	0. 2	0. 3			3. 05	18		32. 3
1620•005/098A08. 5240 R/L	5. 2	40	0. 08	0. 5	4. 95	2. 45	4. 55	48	5	67. 3
1620•005/098A20. 5210 R/L		10. 2	0. 6	4. 75			13	32. 3		
1620•005/098A20. 5215 R/L		15	0. 5	4. 25			18	37. 3		
1620•005/098A20. 5220 R/L		20. 3	0. 6	4. 75			23	42. 3		
1620•005/098A20. 5225 R/L		25. 4	0. 5				28	47. 3		
1620•005/098A20. 5230 R/L		30. 5	0. 6				33	52. 3		



S 系列内孔镗刀（带有断屑槽）

S Boring(With Chip Breaker)



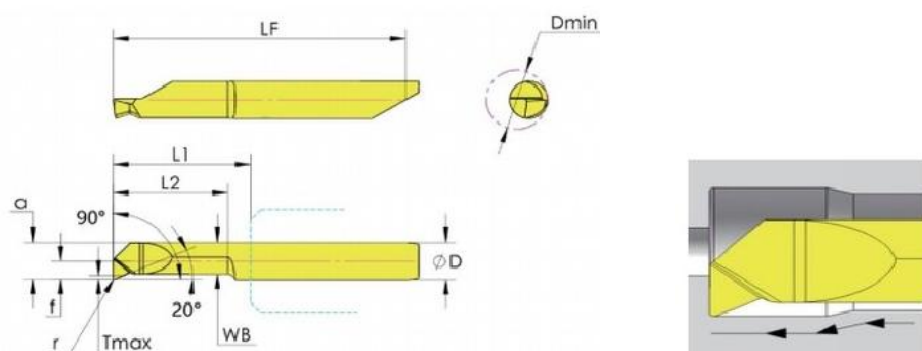
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•006/098A08. 6245 R/L	6. 2	45	0. 08	0. 5	5. 95	2. 95	5. 5	53	6	72. 2
1620•006/098A20. 6215 R/L		15. 2	0. 2	0. 75			5. 7	18		37. 3
1620•006/098A20. 6220 R/L		20. 3						23		42. 3
1620•006/098A20. 6225 R/L		25. 4						28		47. 3
1620•006/098A20. 6230 R/L		30. 5						33		52. 3
1620•006/098A20. 6240 R/L		40						5. 25		43
1620•007/098A08. 7255 R/L	7. 2	55	0. 08	0. 5	6. 95	3. 45	6. 5	63	7	82. 3
1620•007/098A20. 7225 R/L		25. 4	0. 2	0. 9			6. 65	28		47. 3
1620•007/098A20. 7230 R/L		30. 5						33		52. 3
1620•007/098A20. 7240 R/L		40. 6						43		62. 3



S 系列内孔镗刀 (90° 主偏角)

S Boring(90°cutting edge angle)

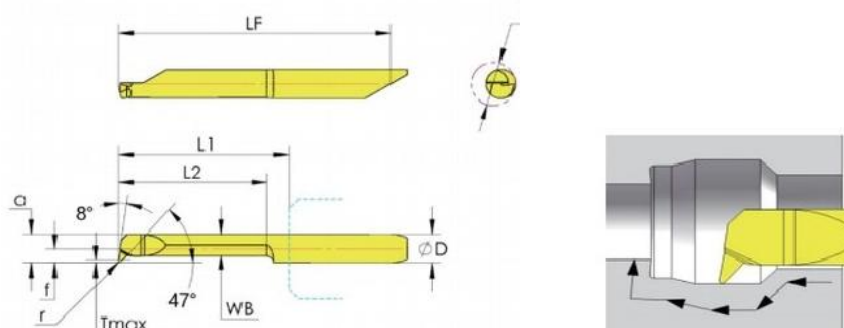


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•004/090. 15. 3212 R/L	3. 2	12	0. 15	0. 2	2. 95	1. 45	2. 55	15	4	29. 3
1620•004/090. 15. 4215 R/L	4. 2	15	0. 15	0. 3	3. 95	1. 95	3. 45	18	4	32. 3
1620•005/090. 20. 5210 R/L	5. 2	10	0. 2	0. 5	4. 95	2. 45	4. 2	13	5	32. 3
1620•005/090. 20. 5215 R/L		15						18		37. 3
1620•005/090. 20. 5220 R/L		20						23		42. 3

S 系列内孔镗刀 (47° 副偏角)

S Boring(47°minor cutting edge angle)

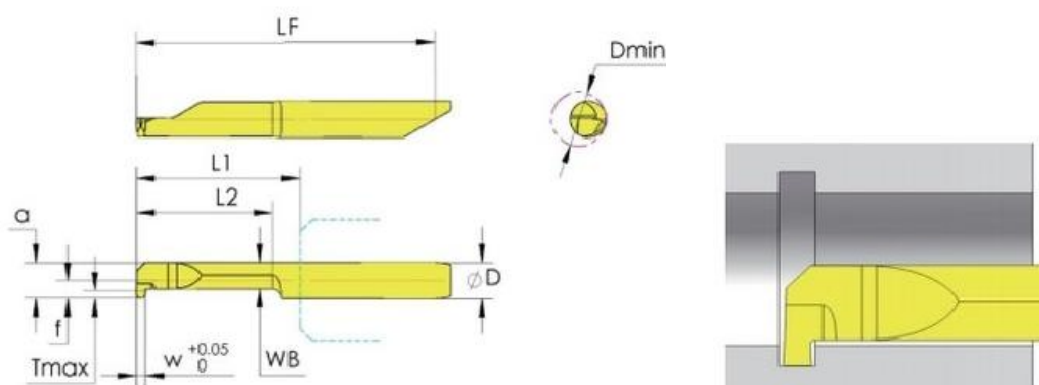


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•004/E098. 15. 4220 R/L	4. 2	20	0. 15	0. 8	3. 95	1. 95	2. 95	23	4	37. 3
1620•005/E098. 15. 5225 R/L	5. 2	25	0. 15	1	4. 95	2. 45	3. 75	28	5	47. 3
1620•006/E098. 15. 6230 R/L	6. 2	30	0. 15	1. 8	5. 95	2. 95	3. 95	33	6	52. 3
1620•007/E098. 20. 7240 R/L	7. 2	40	0. 2	2. 5	6. 95	3. 45	4. 15	43	7	62. 3



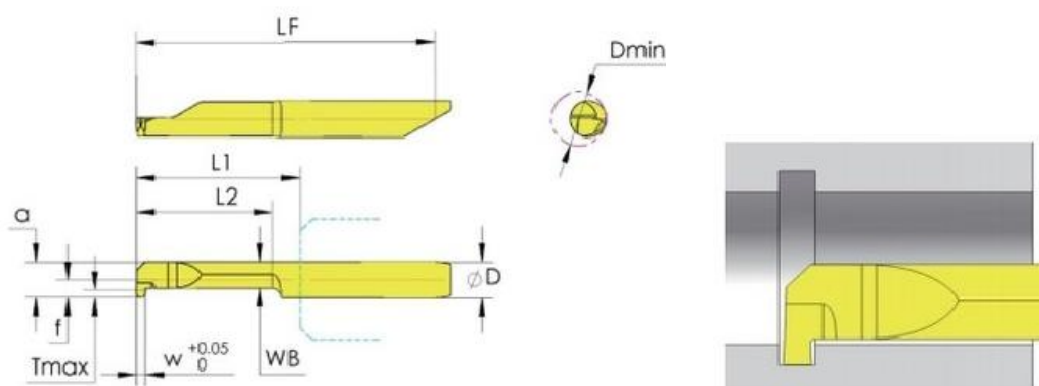
S 系列内孔槽刀/S Internal grooving



图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	L2	Tmax	α	f	WB	L1	D	LF
1640•004/G050. 2006 R/L	2	0.5	6	0.4	1.75	0.85	1.15	9	4	23.3
1640•004/G050. 2009 R/L			9				1.15	12		26.3
1640•004/G050. 2012 R/L			12				1.15	15		29.3
1640•004/G070. 3008 R/L	3	0.7	8	0.6	2.75	1.35	1.95	11	4	25.3
1640•004/G070. 3012 R/L			12				1.95	15		29.3
1640•004/G070. 3016 R/L			16				1.95	19		33.3
1640•004/G100. 4210 R/L	4.2	1	10	0.8	3.95	1.95	2.95	13	4	27.3
1640•004/G100. 4215 R/L			15				2.95	18		32.3
1640•004/G100. 4220 R/L			20				2.95	23		37.3

S 系列内孔槽刀/S Internal grooving

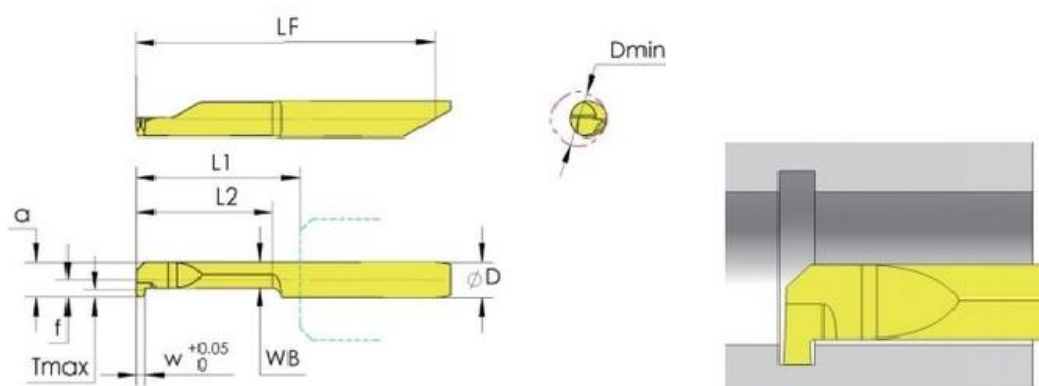


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	L2	Tmax	a	f	WB	L1	D	LF
1640•005/G100. 5210 R/L	5.2	1	10	1	4.95	2.45	3.75	13	5	32.3
1640•005/G100. 5215 R/L			15					18		37.3
1640•005/G100. 5220 R/L			20					23		42.3
1640•005/G100. 5225 R/L			25					28		47.3
1640•005/G100. 5230 R/L			30					33		52.3
1640•005/G100. 5235 R/L			35					38		57.3
1640•005/G150. 5210 R/L	5.2	1.5	10	1	4.95	2.45	3.75	13	5	32.3
1640•005/G150. 5215 R/L			15					18		37.3
1640•005/G150. 5220 R/L			20					23		42.3
1640•005/G150. 5225 R/L			25					28		47.3
1640•005/G150. 5230 R/L			30					33		52.3
1640•005/G150. 5235 R/L			35					38		57.3
1640•005/G200. 5210 R/L	5.2	2	10	1	4.95	2.45	3.75	13	5	32.3
1640•005/G200. 5215 R/L			15					18		37.3
1640•005/G200. 5220 R/L			20					23		42.3
1640•005/G200. 5225 R/L			25					28		47.3
1640•005/G200. 5230 R/L			30					33		52.3



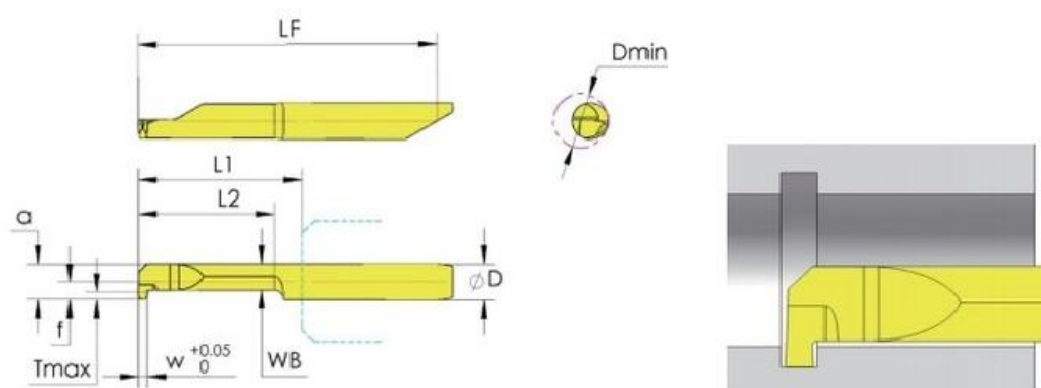
S 系列内孔槽刀/S Internal grooving



图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	L2	Tmax	a	f	WB	L1	D	LF
1640•006/G100. 6210 R/L	6.2	1	10	1.8	5.95	2.95	3.95	13	6	32.3
1640•006/G100. 6215 R/L			15					18		37.3
1640•006/G100. 6220 R/L			20					23		42.3
1640•006/G100. 6225 R/L			25					28		47.3
1640•006/G100. 6230 R/L			30					33		52.3
1640•006/G100. 6235 R/L			35					38		57.3
1640•006/G100. 6240 R/L			40					43		62.3
1640•006/G150. 6210 R/L	6.2	1.5	10	1.8	5.95	2.95	3.95	13	6	32.3
1640•006/G150. 6215 R/L			15					18		37.3
1640•006/G150. 6220 R/L			20					23		42.3
1640•006/G150. 6225 R/L			25					28		47.3
1640•006/G150. 6230 R/L			30					33		52.3
1640•006/G150. 6235 R/L			35					38		57.3
1640•006/G200. 6210 R/L	6.2	2	10	1.8	5.95	2.95	3.95	13	6	32.3
1640•006/G200. 6215 R/L			15					18		37.3
1640•006/G200. 6220 R/L			20					23		42.3
1640•006/G200. 6225 R/L			25					28		47.3
1640•006/G200. 6230 R/L			30					33		52.3

S 系列内孔槽刀/S Internal grooving



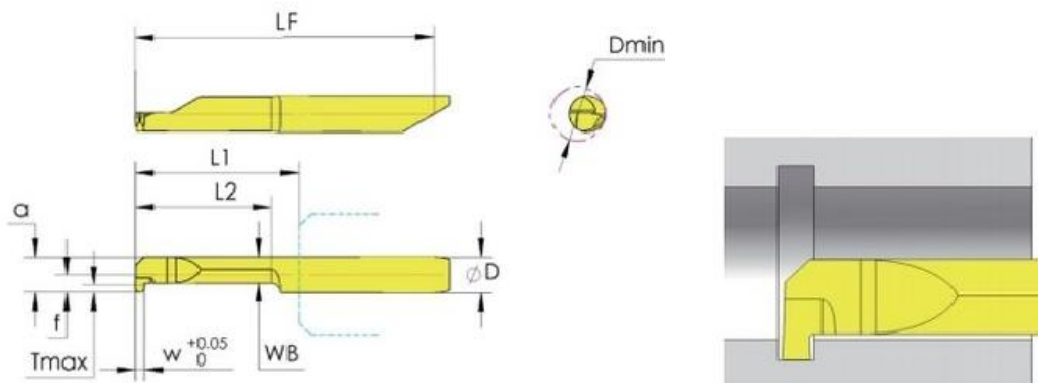
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	L2	Tmax	a	f	WB	L1	D	LF
1640•007/G100. 7210 R/L	7.2	1	10	2.5	6.95	3.45	4.25	13	7	32.3
1640•007/G100. 7215 R/L			15					18		37.3
1640•007/G100. 7220 R/L			20					23		42.3
1640•007/G100. 7225 R/L			25					28		47.3
1640•007/G100. 7230 R/L			30					33		52.3
1640•007/G100. 7235 R/L			35					38		57.3
1640•007/G100. 7240 R/L			40					43		62.3
1640•007/G150. 7210 R/L	7.2	1.5	10	2.5	6.95	3.45	4.25	13	7	32.3
1640•007/G150. 7215 R/L			15					18		37.3
1640•007/G150. 7220 R/L			20					23		42.3
1640•007/G150. 7225 R/L			25					28		47.3
1640•007/G150. 7230 R/L			30					33		52.3
1640•007/G150. 7235 R/L			35					38		57.3
1640•007/G150. 7240 R/L			40					43		62.3
1640•007/G200. 7210 R/L	7.2	2	10	2.5	6.95	3.45	4.25	13	7	32.3
1640•007/G200. 7215 R/L			15					18		37.3
1640•007/G200. 7220 R/L			20					23		42.3
1640•007/G200. 7225 R/L			25					28		47.3
1640•007/G200. 7230 R/L			30					33		52.3
1640•007/G200. 7235 R/L			35					38		57.3



S 系列内孔槽刀(卡簧槽专用)

S Internal grooving (For circlip grooves)

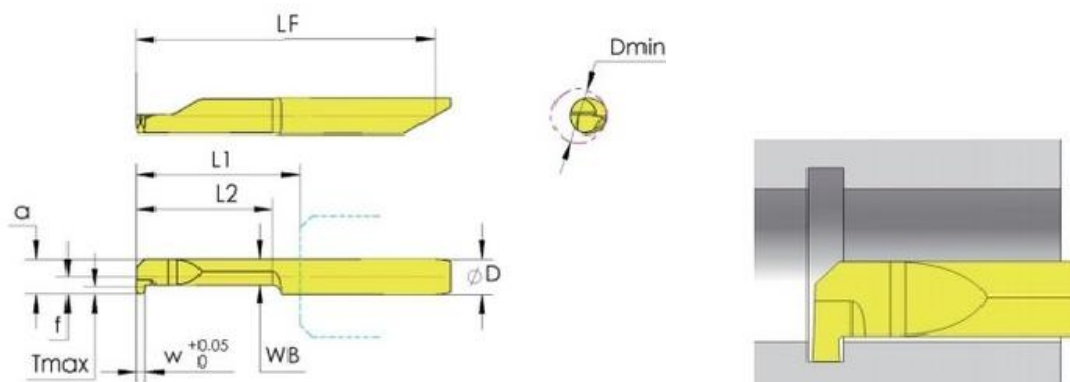


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	L2	Tmax	a	f	WB	L1	D	LF
1640•004/G078.4210 R/L	4.2	0.78	10	0.8	3.95	1.95	2.95	13	4	32.3
1640•004/G078.4215 R/L			15					18		37.3
1640•004/G078.4220 R/L			20					23		42.3
1640•004/G078.4225 R/L			25					28		47.3
1640•005/G078.5210 R/L	5.2	0.78	10	1	4.95	2.45	3.75	13	5	32.3
1640•005/G078.5215 R/L			15					18		37.3
1640•005/G078.5220 R/L			20					23		42.3
1640•005/G078.5225 R/L			25					28		47.3
1640•005/G078.5230 R/L			30					33		52.3
1640•005/G078.5235 R/L			35					38		57.3
1640•005/G117.5210 R/L	5.2	1.17	10	1	4.95	2.45	3.75	13	5	32.3
1640•005/G117.5215 R/L			15					18		37.3
1640•005/G117.5220 R/L			20					23		42.3
1640•005/G117.5225 R/L			25					28		47.3
1640•005/G117.5230 R/L			30					33		52.3
1640•005/G117.5235 R/L			35					38		57.3
1640•005/G157.5210 R/L	5.2	1.57	10	1	4.95	2.45	3.75	13	5	32.3
1640•005/G157.5215 R/L			15					18		37.3
1640•005/G157.5220 R/L			20					23		42.3
1640•005/G157.5225 R/L			25					28		47.3
1640•005/G157.5230 R/L			30					33		52.3

S 系列内孔槽刀(卡簧槽专用)

S Internal grooving (For circlip grooves)



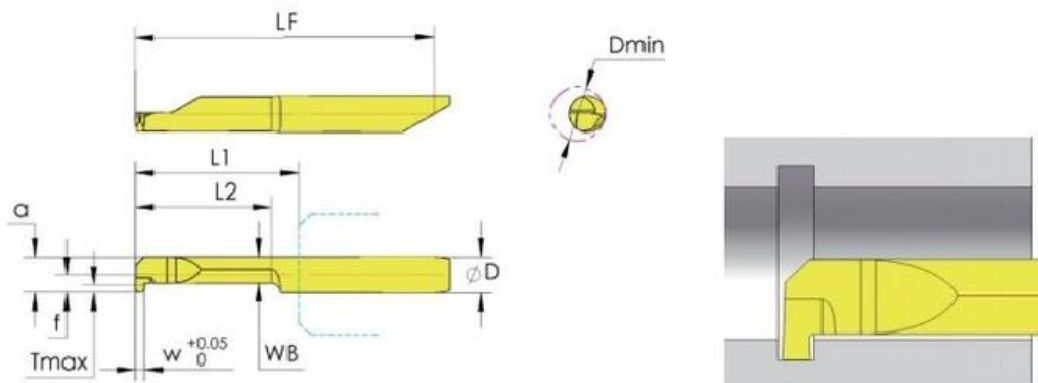
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	L2	Tmax	a	f	WB	L1	D	LF
1640•005/G198.5210 R/L	5.2	1.98	10	1	4.95	2.45	3.75	13	5	32.3
1640•005/G198.5215 R/L			15					18		37.3
1640•005/G198.5220 R/L			20					23		42.3
1640•005/G198.5225 R/L			25					28		47.3
1640•005/G198.5230 R/L			30					33		52.3
1640•006/G078.6210 R/L	6.2	0.78	10	1.8	5.95	2.95	3.95	13	6	32.3
1640•006/G078.6215 R/L			15					18		37.3
1640•006/G078.6220 R/L			20					23		42.3
1640•006/G078.6225 R/L			25					28		47.3
1640•006/G078.6230 R/L			30					33		52.3
1640•006/G078.6235 R/L			35					38		57.3
1640•006/G117.6210 R/L	6.2	1.17	10	1.8	5.95	2.95	3.95	13	6	32.3
1640•006/G117.6215 R/L			15					18		37.3
1640•006/G117.6220 R/L			20					23		42.3
1640•006/G117.6225 R/L			25					28		47.3
1640•006/G117.6230 R/L			30					33		52.3
1640•006/G117.6235 R/L			35					38		57.3
1640•006/G117.6240 R/L			40					43		62.3



S 系列内孔槽刀(卡簧槽专用)

S Internal grooving (For circlip grooves)

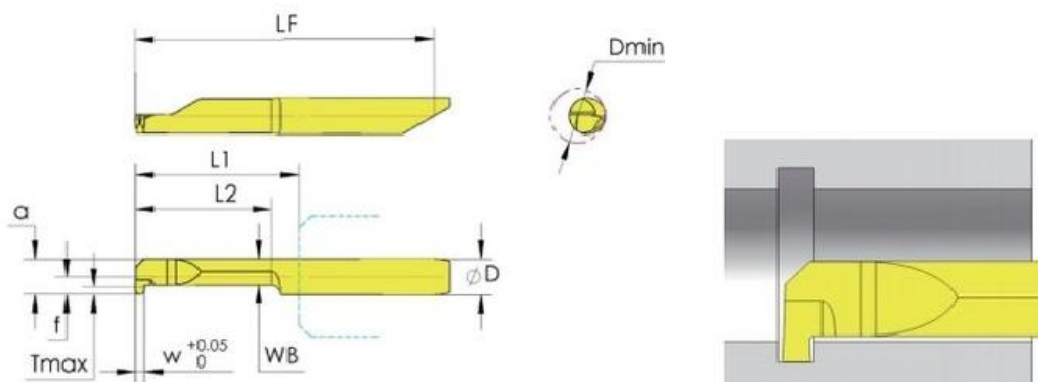


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	L2	Tmax	a	f	WB	L1	D	LF
1640•006/G157.6210 R/L	6.2	1.57	10	1.8	5.95	2.95	3.95	13	6	32.3
1640•006/G157.6215 R/L			15					18		37.3
1640•006/G157.6220 R/L			20					23		42.3
1640•006/G157.6225 R/L			25					28		47.3
1640•006/G157.6230 R/L			30					33		52.3
1640•006/G157.6235 R/L			35					38		57.3
1640•006/G157.6240 R/L			40					43		62.3
1640•006/G198.6210 R/L	6.2	1.98	10	1.8	5.95	2.95	3.95	13	6	32.3
1640•006/G198.6215 R/L			15					18		37.3
1640•006/G198.6225 R/L			20					23		42.3
1640•006/G198.6235 R/L			25					28		47.3
1640•007/G078.7210 R/L	7.2	0.78	10	2.5	6.95	3.45	4.25	13	7	32.3
1640•007/G078.7215 R/L			15					18		37.3
1640•007/G078.7220 R/L			20					23		42.3
1640•007/G078.7225 R/L			25					28		47.3
1640•007/G078.7230 R/L			30					33		52.3
1640•007/G078.7235 R/L			35					38		57.3
1640•007/G078.7240 R/L			40					43		62.3

S 系列内孔槽刀(卡簧槽专用)

S Internal grooving (For circlip grooves)



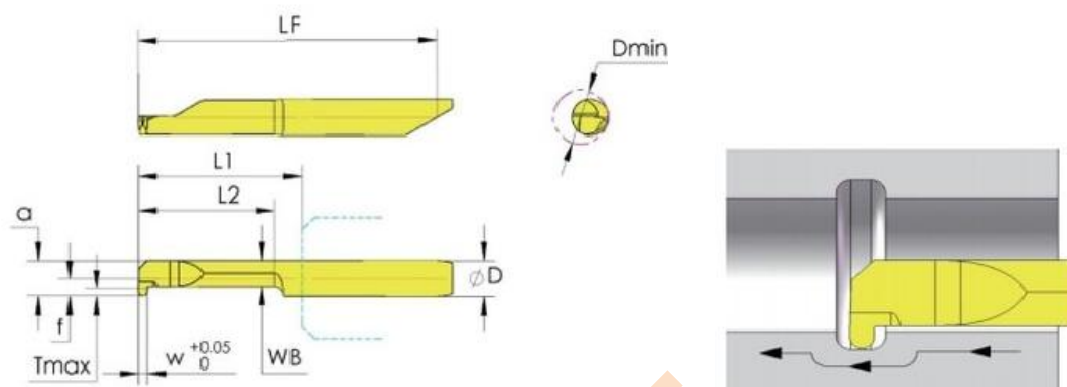
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	L2	Tmax	a	f	WB	L1	D	LF
1640•007/G117. 7210 R/L	7.2	1.17	10	2.5	6.95	3.45	4.25	13	7	32.3
1640•007/G117. 7215 R/L			15					18		37.3
1640•007/G117. 7220 R/L			20					23		42.3
1640•007/G117. 7225 R/L			25					28		47.3
1640•007/G117. 7230 R/L			30					33		52.3
1640•007/G117. 7235 R/L			35					38		57.3
1640•007/G117. 7240 R/L			40					43		62.3
1640•007/G157. 7210 R/L	7.2	1.57	10	2.5	6.95	3.45	4.25	13	7	32.3
1640•007/G157. 7215 R/L			15					18		37.3
1640•007/G157. 7220 R/L			20					23		42.3
1640•007/G157. 7225 R/L			25					28		47.3
1640•007/G157. 7230 R/L			30					33		52.3
1640•007/G157. 7235 R/L			35					38		57.3
1640•007/G157. 7240 R/L			40					43		62.3
1640•007/G198. 7210 R/L	7.2	1.98	10	2.5	6.95	3.45	4.25	13	7	32.3
1640•007/G198. 7215 R/L			15					18		37.3
1640•007/G198. 7220 R/L			20					23		42.3
1640•007/G198. 7225 R/L			25					28		47.3
1640•007/G198. 7230 R/L			30					33		52.3
1640•007/G198. 7235 R/L			35					38		57.3



S 系列内孔槽刀 (圆弧槽刀)

S Internal grooving (Full radius)

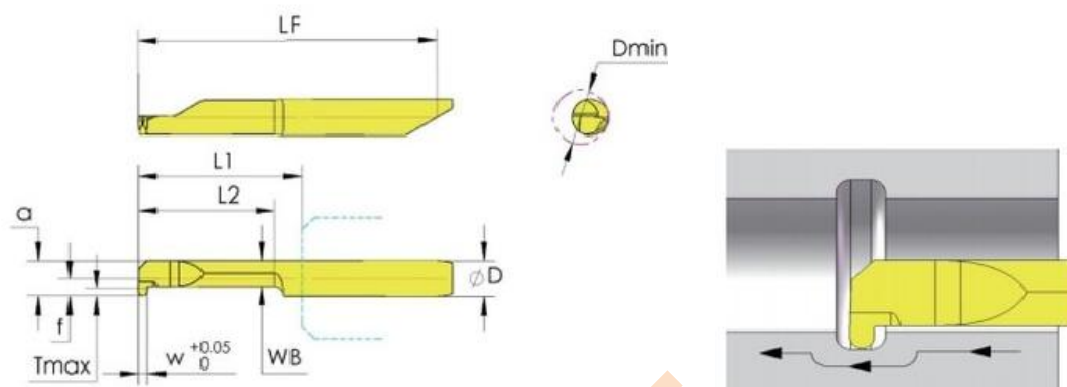


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	r	L2	Tmax	a	f	WB	L1	D	LF
1640•004/R100.4215 R/L	4.2	1	0.5	15	0.8	3.95	1.95	2.95	18	4	32.3
1640•005/R100.5220 R/L	5.2	1	0.5	20	1	4.95	2.45	3.75	23	5	42.3
1640•005/R150.5220 R/L	5.2	1.5	0.75								
1640•005/R200.5220 R/L	5.2	2	1	25	1.8	5.95	2.95	3.95	28	6	47.3
1640•006/R100.6225 R/L	6.2	1	0.5								
1640•006/R150.6225 R/L	6.2	1.5	0.75								
1640•006/R200.6225 R/L	6.2	2	1	30	2.5	6.95	3.45	4.25	33	7	52.3
1640•007/R100.7230 R/L	7.2	1	0.5								
1640•007/R150.7230 R/L	7.2	1.5	0.75								
1640•007/R200.7230 R/L	7.2	2	1								

S 系列内孔槽刀(圆弧槽刀、卡簧槽专用)

S Internal grooving (For circlip grooves, Fullradius)



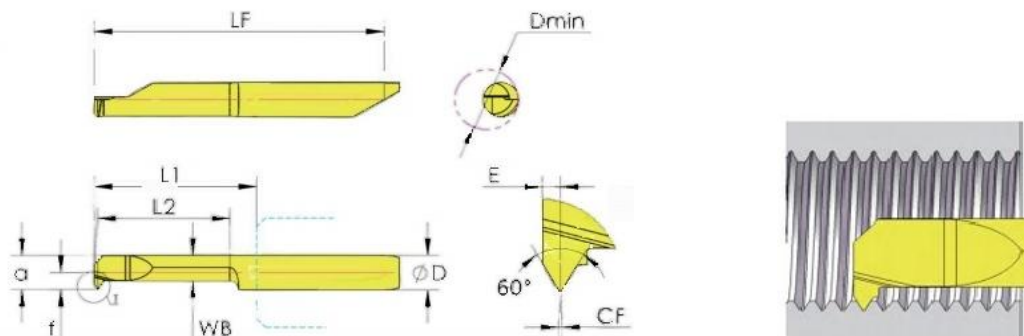
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	W	r	L2	Tmax	a	f	WB	L1	D	LF
1640•004/R058.4215 R/L	4.2	1.17	0.58	15	0.8	3.95	1.95	2.95	18	4	32.3
1640•005/R058.5220 R/L	5.2	1.17	0.58	20	1	4.95	2.45	3.75	23	5	42.3
1640•005/R081.5220 R/L		1.63	0.81								
1640•005/R099.5220 R/L		1.98	0.99								
1640•006/R058.6225 R/L	6.2	1.17	0.58	25	1.8	5.95	2.95	3.95	28	6	47.3
1640•006/R081.6225 R/L		1.63	0.81								
1640•006/R099.6225 R/L		1.98	0.99								
1640•007/R058.7230 R/L	7.2	1.17	0.58	30	2.5	6.95	3.45	4.25	33	7	52.3
1640•007/R081.7230 R/L		1.63	0.81								
1640•007/R099.7230 R/L		1.98	0.99								



S 系列内孔螺纹刀 (公制 ISO60° 范围牙型)

S Internal threading (Metric ISO60° Partial profile)

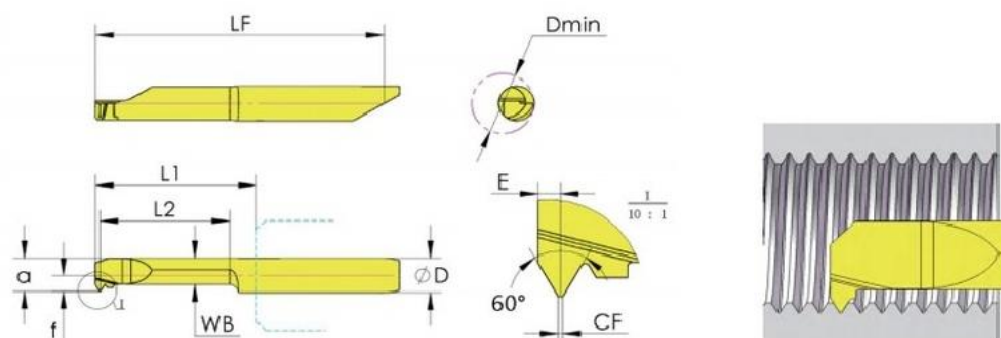


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	P	Pmax	E	CF	a	f	WB	L1	D	LF
1600•004/H050VM. 4215 R/L	4.2	15	0.5	0.7	0.4	0.06	3.95	1.95	3	18	4	32.7
1600•005/H050VM. 5215 R	5.2	15	0.5	0.75	0.4	0.06	4.95	2.45	3.8	18	5	37.7
1600•005/H070VM. 5115 R	5.1	15	0.7	1	0.45	0.09	4.85	2.35	3.7	18	5	37.8
1600•005/H100VM. 4815 R/L	4.8	15	1	1.25	0.55	0.12	4.55	2.25	3.6	18	5	37.9
1600•006/H100VM. 6215 R	6.2	15	1	1.25	0.55	0.12	5.95	2.95	3.6	18	6	37.9
1600•006/H125VM. 6215 R/L	6.2	15	1.25	1.5	0.85	0.15	5.95	2.95	3.6	18	6	38.1
1600•006/H150VM. 6215 R/L	6.2	15	1.5	1.75	1	0.18	5.95	2.95	3.6	18	6	38.3

S 系列内孔螺纹刀 (公制 ISO60° 全牙型)

S Internal threading (Metric ISO60° Full profile)



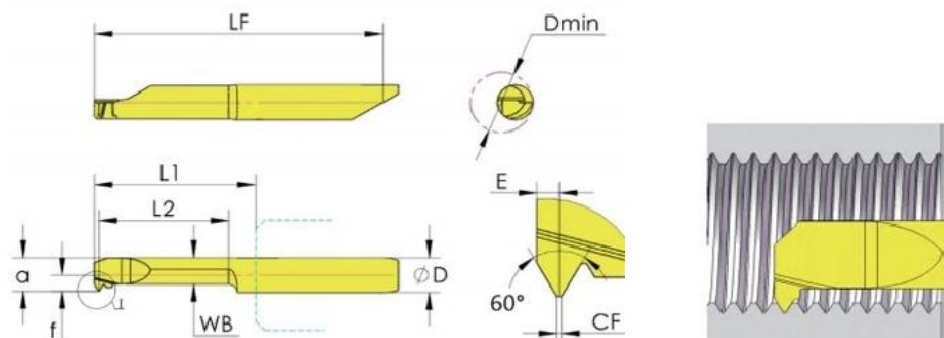
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	P	E	CF	a	f	WB	L1	D	LF
1600•004/H050MM. 4215 R	4.2	15	0.5	0.4	0.06	3.95	1.95	3.5	18	4	32.7
1600•004/H070MM. 4215 R	4.2	15	0.7	0.5	0.08	3.9	1.9	3.5	18	4	32.8
1600•004/H080MM. 4015 R	4	15	0.8	0.5	0.1	3.75	1.85	3	18	4	32.8
1600•005/H050MM. 5215 R	5.2	15	0.5	0.4	0.06	4.95	2.45	4.5	18	5	37.7
1600•005/H075MM. 5115 R	5.1	15	0.75	0.5	0.09	4.85	2.4	4.2	18	5	37.8
1600•005/H100MM. 4815 R	4.8	15	1	0.6	0.12	4.55	2.25	3.6	18	5	37.9
1600•006/H100MM. 6215 R	6.2	15	1	0.6	0.12	5.95	2.95	5.1	18	6	37.9
1600•006/H125MM. 6215 R	6.2	15	1.25	0.7	0.15	5.95	2.95	4.8	18	6	38
1600•006/H150MM. 6215 R	6.2	15	1.5	0.8	0.18	5.95	2.95	4.5	18	6	38.1
1600•006/H175MM. 6215 R	6.2	15	1.75	0.9	0.21	5.95	2.95	4.3	18	6	38.2
1600•006/H200MM. 6215 R	6.2	15	2	1	0.25	5.95	2.95	4.1	18	6	38.3



S 系列内孔螺纹刀 (UN 60° 全牙型)

S Internal threading (UN 60° Full profile)

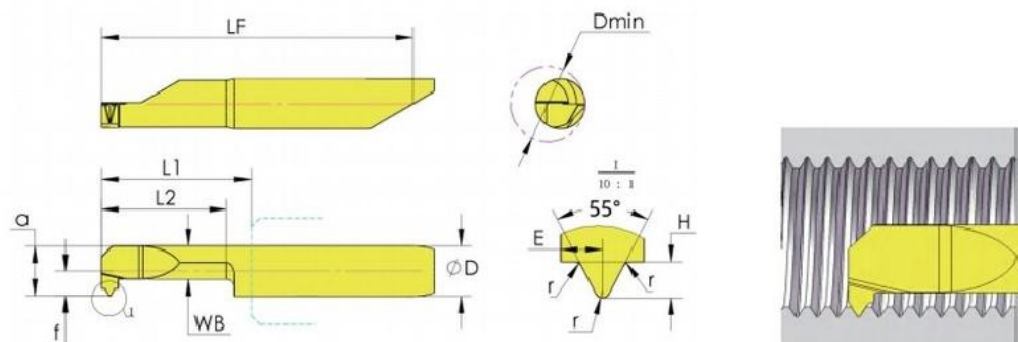


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	TPI	E	CF	a	f	WB	L1	D	LF
1600•004/H320UN. 4015 R	4	15	28	0.55	0.1	3.75	1.85	3	18	4	32.9
1600•004/H280UN. 4015 R	4	15	32	0.6	0.11	3.75	1.85	3	18	4	32.9
1600•004/H240UN. 4215 R	4.2	15	24	0.7	0.13	3.95	1.95	3.1	18	4	33
1600•005/H200UN. 5215 R	5.2	15	20	0.7	0.16	4.95	2.45	4	18	5	38
1600•006/H180UN. 6215 R	6.2	15	18	0.6	0.18	5.95	2.95	4.9	18	6	38.1
1600•006/H160UN. 6215 R	6.2	15	16	0.9	0.2	5.95	2.95	4.8	18	6	38.2

S 系列内孔螺纹刀(惠氏 55° 全牙型)

S Internal threading (Whitworth 55° Full profile-BSW,BSF,BSP)



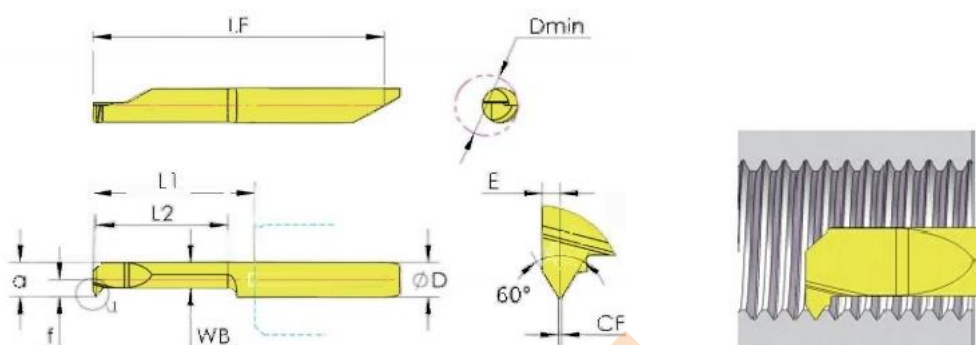
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	TPI	R	E	H	a	f	WB	L1	D	LF
1600•005/H28WH. 5215 R	5.2	15	28	0.12	0.8	0.58	4.95	2.45	3.8	18	5	38.1
1600•005/H26WH. 5215 R	5.2	15	26	0.15	0.8	0.63	4.95	2.45	3.8	18	5	38.1
1600•005/H24WH. 5215 R	5.2	15	24	0.15	0.8	0.68	4.95	2.45	3.8	18	5	38.1
1600•006/H28WH. 6215 R	6.2	15	28	0.12	0.8	0.58	5.95	2.95	4	18	6	38.1
1600•006/H26WH. 6215 R	6.2	15	26	0.13	0.8	0.63	5.95	2.95	4	18	6	38.1
1600•006/H24WH. 6215 R	6.2	15	24	0.15	0.8	0.68	5.95	2.95	4	18	6	38.1
1600•006/H22WH. 6215 R	6.2	15	22	0.16	1	0.74	5.95	2.95	4	18	6	38.3
1600•006/H20WH. 6215 R	6.2	15	20	0.17	1	0.81	5.95	2.95	4	18	6	38.3
1600•006/H19WH. 6215 R/L	6.2	15	19	0.18	1	0.86	5.95	2.95	4	18	6	38.3



S 系列内孔螺纹刀 (NPT 60° 范围牙型)

S Internal threading (NPT60° Partial profile-NPSC,NPTR,LINEPIPE)



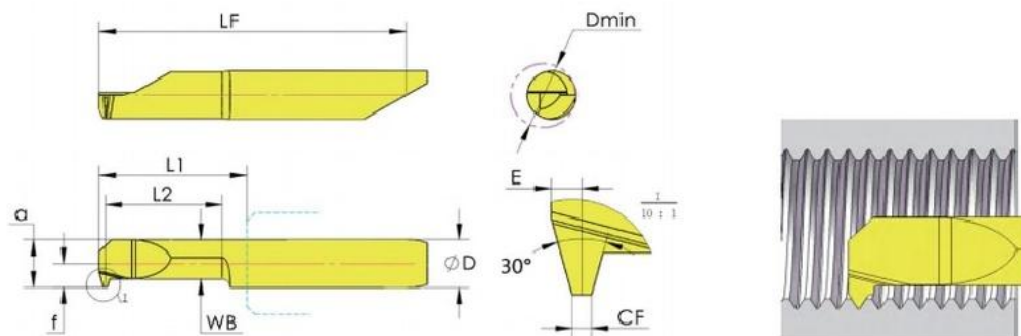
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	TPI	CF	E	a	f	WB	L1	D	LF
1600•006/H27NT. 6215 R	6.2	15	27	0.07	0.8	5.95	2.95	4	18	6	38.1
1600•006/H18NT. 6215 R/L	6.2	15	18	0.1	1	5.95	2.95	4	18	6	38.3



S 系列内孔螺纹刀 (ISO 30° 梯形螺纹)

S Internal threading (Metric ISO30° Trapezoidal)

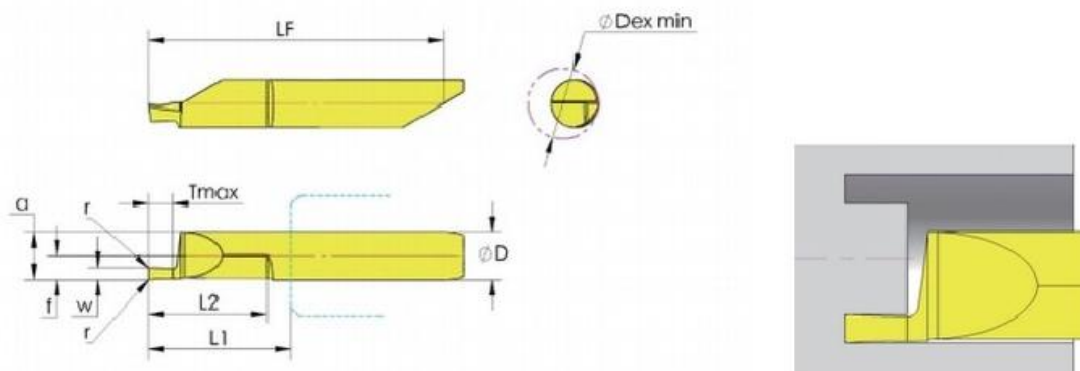


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	TP	E	CF	f	WB	L1	D	LF
1600•006/H150TR. 6220 R	6.2	20	1.5	0.6	0.5	2.95	4.9	18	6	38.2
1600•006/H200TR. 6220 R	6.2	20	2	0.8	0.6	2.95	4.6	18	6	38.4
1600•007/H300TR. 7230 R	7.2	30	3	1.2	1	3.45	4.6	18	7	53.4



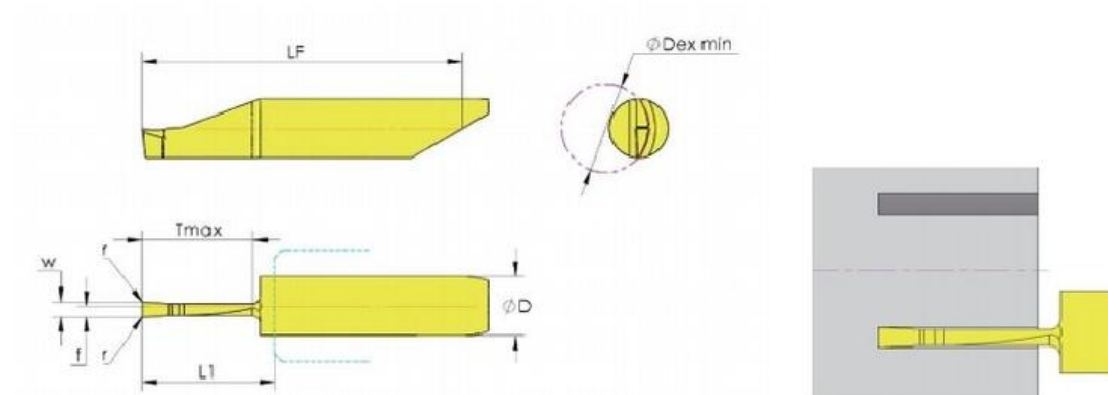
S 系列端面槽刀/S Face grooving



图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	槽外径 Dex min	W	r	Tmax	a	L2	f	L1	D	LF
1620•006/F100. 6215A R/L	6.2	1	0.15	2	5.95	15	2.95	18	6	37.3
1620•006/F150. 6215A R/L	6.2	1.5	0.15	3	5.95	15	2.95	18	6	37.3
1620•006/F200. 6215A R/L	6.2	2	0.15	4	5.95	15	2.95	18	6	37.3
1620•006/F250. 6215A R/L	6.2	2.5	0.15	5	5.95	15	2.95	18	6	37.3
1620•006/F300. 6215A R/L	6.2	3	0.15	6	5.95	15	2.95	18	6	37.3

S 系列端面槽刀/S Face grooving

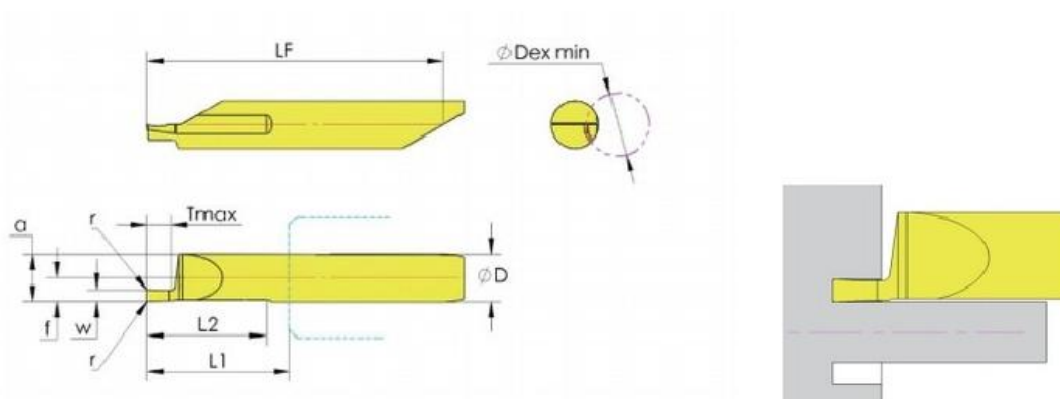


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	槽外径 Dex min	W	r	Tmax	a	L2	D	LF
1620•008/F200. 8015A R/L	15	2	0.2	15	1.6	20	8	44.3
1620•008/F250. 8010A R/L	10	2.5	0.2	10	1.8	15	8	39.3
1620•008/F300. 8010A R/L	10	3	0.2	10	2.1	15	8	39.3
1620•008/F300. 8015A R/L	15	3	0.2	15	2.1	20	8	44.3
1620•008/F400. 8010A R/L	10	4	0.2	10	2.5	15	8	39.3
1620•008/F400. 8015A R/L	15	4	0.2	15	2.5	20	8	44.3



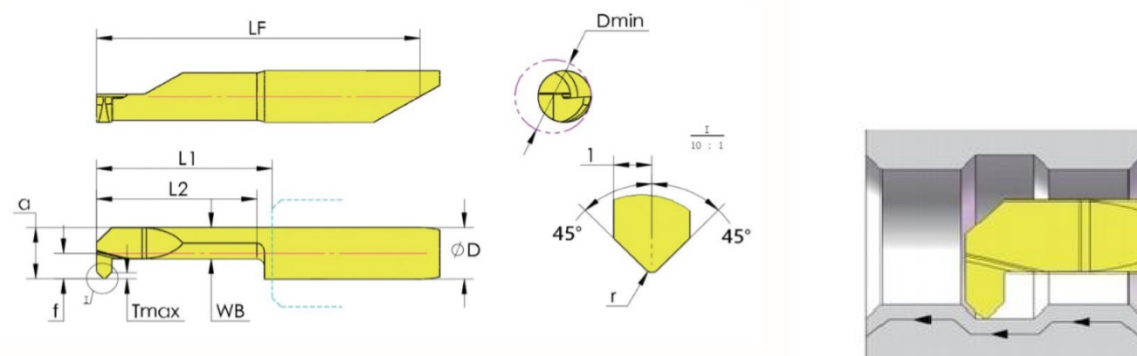
S 系列端面槽刀/S Face grooving



图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	槽外径 Dex min	W	r	Tmax	a	L2	f	L1	D	LF
1620•006/F100. 6215B R/L	6.2	1	0.15	2	5.95	15	2.95	18	6	37.3
1620•006/F150. 6215B R/L	6.2	1.5	0.15	3	5.95	15	2.95	18	6	37.3
1620•006/F200. 6215B R/L	6.2	2	0.15	4	5.95	15	2.95	18	6	37.3
1620•006/F250. 6215B R/L	6.2	2.5	0.15	5	5.95	15	2.95	18	6	37.3
1620•006/F300. 6215B R/L	6.2	3	0.15	6	5.95	15	2.95	18	6	37.3

S 系列内孔倒角刀/S Chamfering

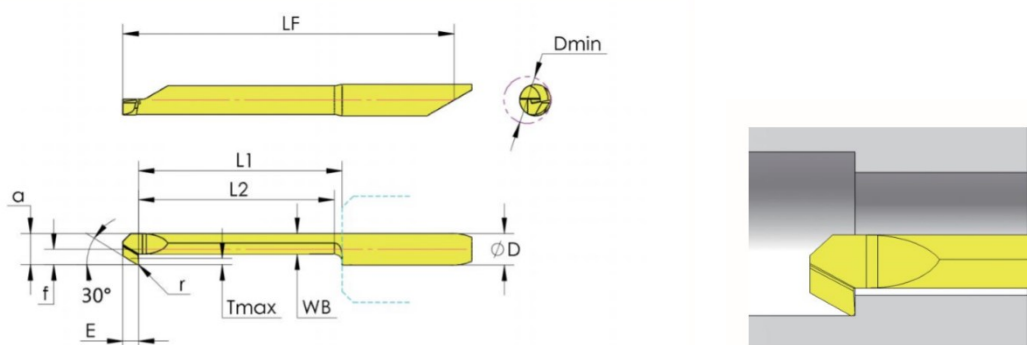


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•005/T045. 20. 5215 R/L	5.2	15	0.2	0.7	4.95	2.45	3.8	17	5	37.3
1620•005/T045. 20. 5220 R/L		20						22		42.3
1620•006/T045. 20. 6220 R/L	6.2	20	0.2	0.7	5.95	2.95	4	22	6	42.3
1620•006/T045. 20. 6225 R/L		25						27		47.3
1620•007/T045. 20. 7220 R/L	7.2	20	0.2	0.7	6.95	3.45	4.3	22	7	42.3
1620•007/T045. 20. 7240 R/L		40						42		62.3



S 系列内孔背镗刀/S Backturning

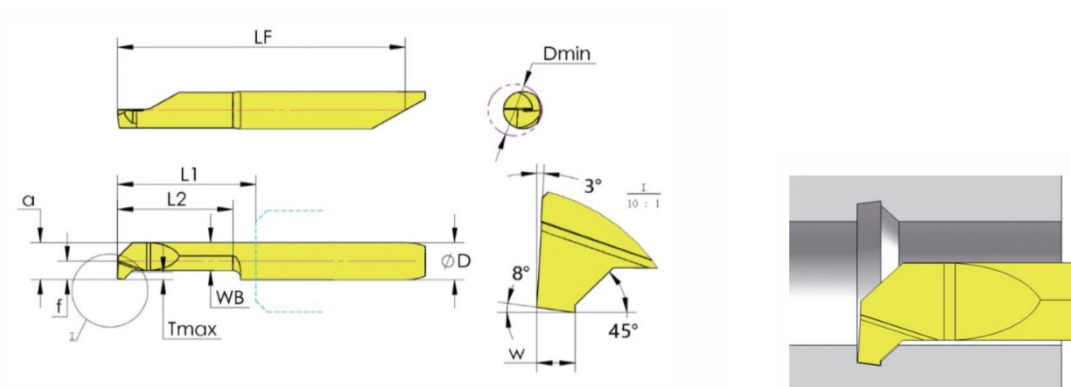


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	WB	L1	D	LF
1620•004/B090. 15. 4225 R	4. 2	23. 4	0. 15	0. 8	3. 95	1. 95	2. 6	26	4	42. 3
1620•005/B090. 15. 5230 R	5. 2	28. 5	0. 2	1	4. 95	2. 45	3. 8	31	5	52. 3
1620•006/B090. 15. 6230 R	6. 2	28. 5	0. 2	1. 8	5. 95	2. 95	4	31	6	52. 3
1620•007/B090. 15. 7230 R	7. 2	27. 5	0. 2	2. 5	6. 95	3. 45	4. 3	30	7	52. 3



S 系列预切断刀/S Pre-parting off



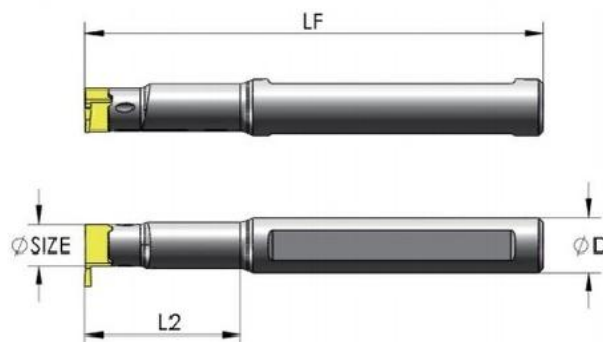
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	w	L2	Tmax	a	f	WB	L1	D	LF
1620•005/X100.5215 R/L	5.2	1	15	0.7	4.95	2.45	3.8	18	5	37.3
1620•005/X100.5220 R			20					23		42.3
1620•005/X100.5225 R/L			25					28		47.3
1620•005/X100.5230 R			30					33		52.3



BM07 系列刀杆 (公制内冷钢刀杆)

BM07 Holder (Steel holderin Metricwith internal coolant)

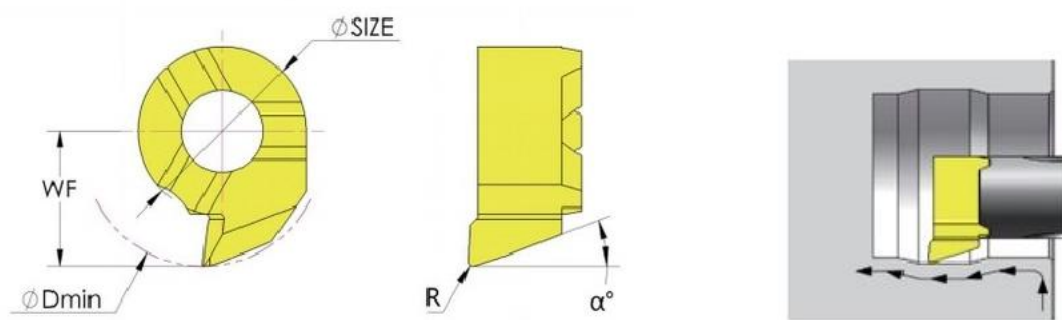


可装配 BM07 系列刀片

订货号 Order Number	D	L2	LF	SIZE
1622•007/A16. 16	16	16	97	07
1622•007/A16. 24	16	24	105	07
1622•007/A16. 32	16	32	113	07



BM07 系列镗孔刀/BM07 Holder

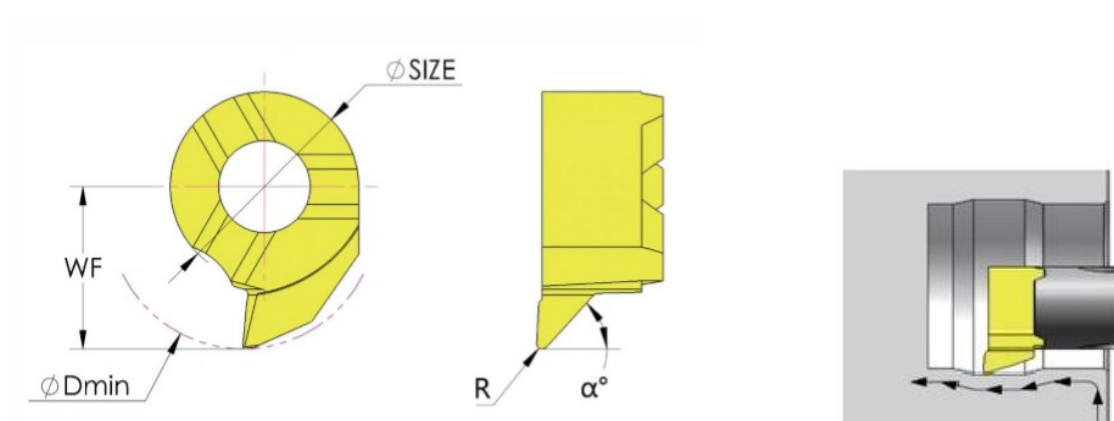


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	SIZE	a	R	WF	Dmin
R/L BM07. T093. 02. 10	07	18	0.2	5.6	10
R/L BM07. T093. A02. 10	07	10	0.2	5.6	10



BM07 系列镗孔刀/BM07 Holder

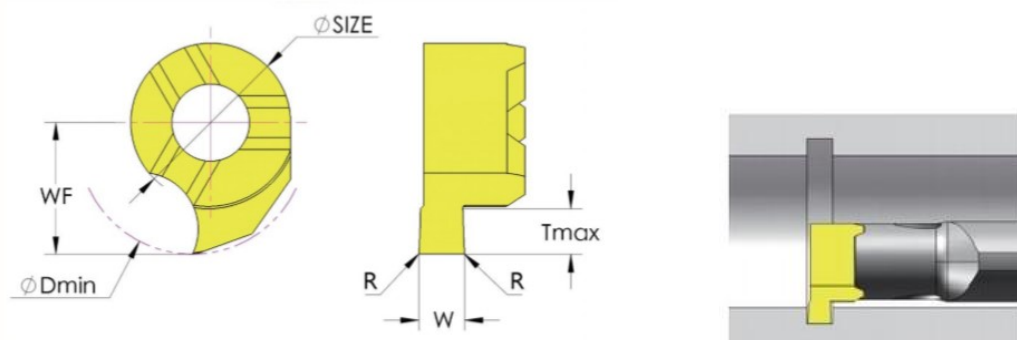


图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	SIZE	a	R	WF	Dmin
R/L BM07. TE93. 02. 10	07	47	0.2	6	10



BM07 系列切槽刀/BM07 Grooving



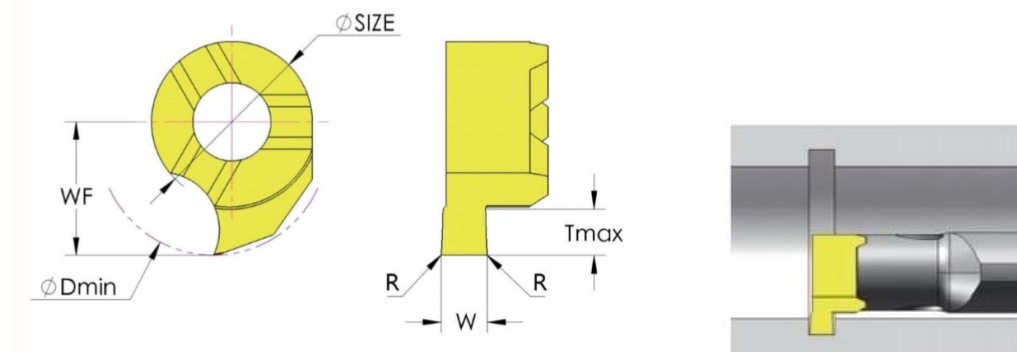
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	SIZE	W	R	Tmax	WF	Dmin
R/L BM07. G100. 00. 10	07	1. 00	C0. 04	1. 8	5. 8	10
R/L BM07. G100. 00. 11	07	1. 00	C0. 04	2. 8	5. 8	11
R/L BM07. G100. 00. 12	07	1. 00	C0. 04	3. 1	5. 8	12
R/L BM07. G150. 00. 10	07	1. 50	C0. 04	1. 8	5. 8	10
R/L BM07. G150. 00. 11	07	1. 50	C0. 04	2. 8	5. 8	11
R/L BM07. G150. 00. 12	07	1. 50	C0. 04	3. 4	5. 8	12
R/L BM07. G200. 00. 10	07	2. 00	C0. 04	1. 8	5. 8	10
R/L BM07. G200. 00. 11	07	2. 00	C0. 04	2. 8	5. 8	11
R/L BM07. G200. 00. 12	07	2. 00	C0. 04	3. 4	5. 8	12
R/L BM07. G250. 00. 10	07	2. 50	C0. 04	1. 8	5. 8	10
R/L BM07. G250. 00. 11	07	2. 50	C0. 04	2. 8	5. 8	11
R/L BM07. G300. 00. 10	07	3. 00	C0. 04	1. 8	5. 8	10
R/L BM07. G300. 00. 11	07	3. 00	C0. 04	2. 8	5. 8	11
R/L BM07. G318. 00. 10	07	3. 18	C0. 04	1. 8	5. 8	10
R/L BM07. G318. 00. 11	07	3. 18	C0. 04	2. 8	5. 8	11



BM07 系列切槽刀(卡簧槽专用)

BM07 Grooving (For circlip grooves)



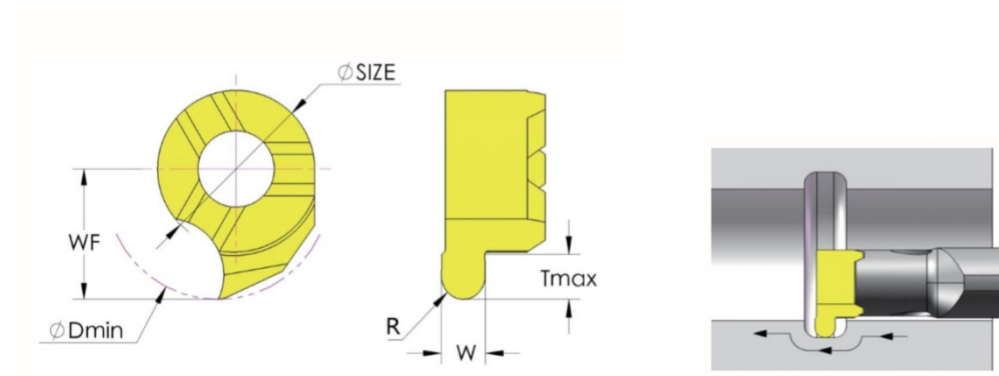
图示为右手 (R/L: R 为右, L 为左)

订货号 Order Number	SIZE	W	R	Tmax	WF	Dmin
R/L BM07. G070. 00. 10	07	0.73	00.04	1.2	5.8	10
R/L BM07. G080. 00. 10	07	0.83	00.04	1.3	5.8	10
R/L BM07. G090. 00. 10	07	0.93	00.04	1.5	5.8	10
R/L BM07. G120. 00. 10	07	1.20	00.04	1.8	5.8	10
R/L BM07. G140. 00. 10	07	1.40	00.04	1.8	5.8	10
R/L BM07. G170. 00. 10	07	1.70	00.04	1.8	5.8	10



BM07 系列切槽刀(圆弧槽)

BM07 Grooving (Full radius)



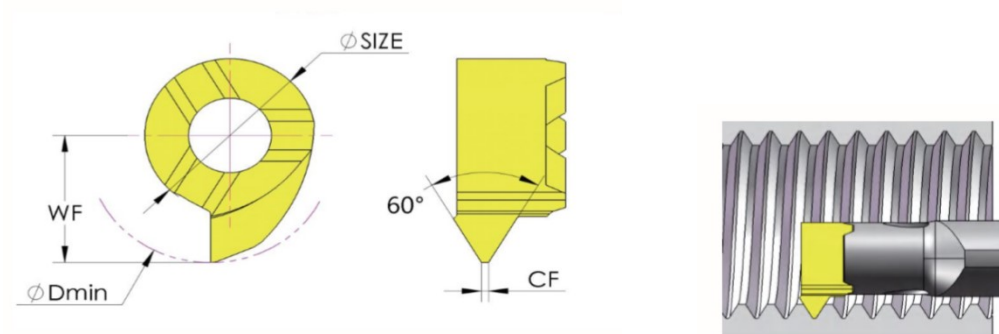
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	SIZE	W	R	Tmax	WF	Dmin
R/L BM07. R080. 04. 10	07	0.8	0.4	1.8	5.8	10
R/L BM07. R120. 06. 10	07	1.2	0.6	1.8	5.8	10
R/L BM07. R180. 09. 10	07	1.8	0.9	1.8	5.8	10
R/L BM07. R200. 10. 10	07	2.0	1.0	1.8	5.8	10



BM07 系列螺纹刀（公制 60° 范围牙型）

BM07 Threading（Threading Metric ISO 60° Partial profile）



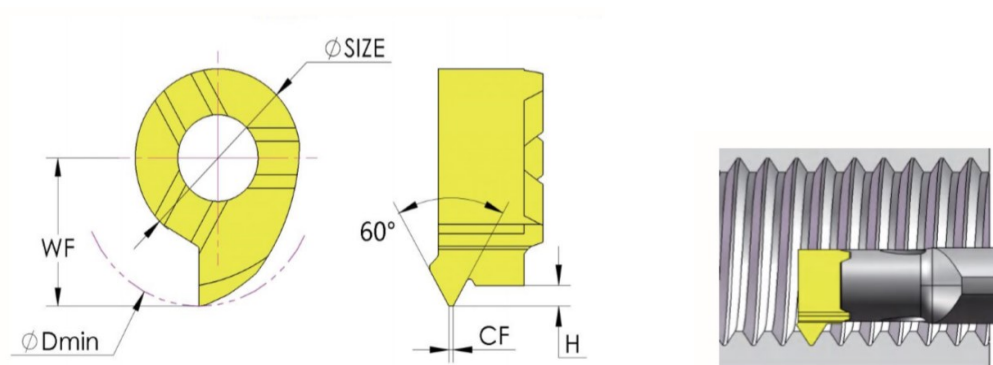
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	SIZE	P	P _{max}	CF	WF	HA	D _{min}
R/L BM07. H050VM. 10	07	0.50	0.75	0.1	5.8	0.5	10
R/L BM07. H100VM. 10	07	1.00	1.25	0.1	5.8	0.8	10
R/L BM07. H150VM. 10	07	1.50	1.75	0.2	5.8	1.1	10
R/L BM07. H200VM. 10	07	2.00	2.50	0.3	5.8	1.6	10
R/L BM07. H250VM. 10	07	2.50	3.00	0.3	5.8	2.0	10



BM07 系列螺纹刀（公制 60° 全型牙）

BM07 Threading (Threading Metric ISO 60° Full profile)



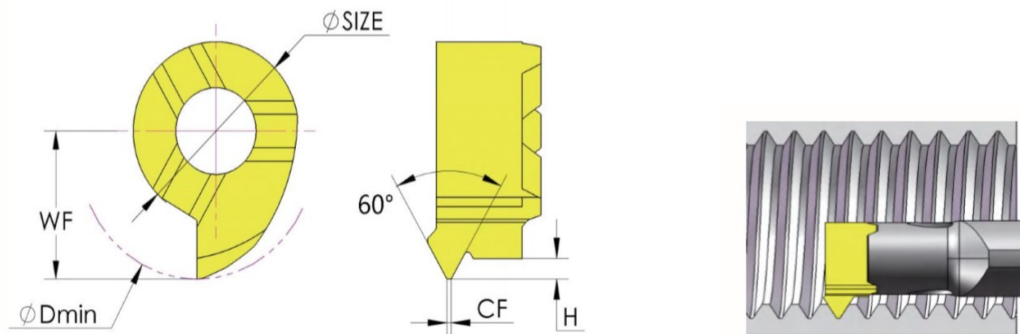
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	SIZE	P	H	CF	WF	Dmin
R/L BM07. H050MM. 10	07	0.50	0.27	0.06	5.8	10
R/L BM07. H100MM. 10	07	1.00	0.54	0.12	5.8	10
R/L BM07. H150MM. 10	07	1.50	0.81	0.19	5.8	10
R/L BM07. H175MM. 10	07	1.75	0.95	0.22	5.8	10
R/L BM07. H200MM. 10	07	2.00	1.08	0.25	5.8	10
R/L BM07. H250MM. 10	07	2.50	1.35	0.31	5.8	10



BM07 系列螺纹刀 (UN 60° 全型牙)

BM07 Threading (Threading UN 60° Full profile)



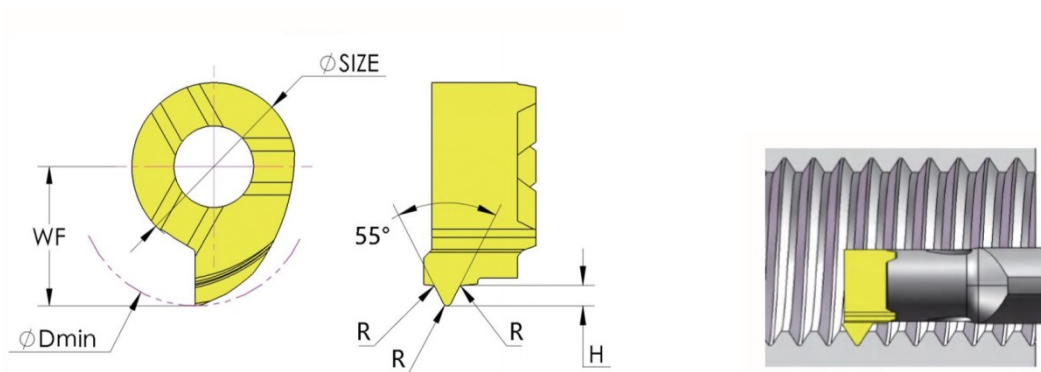
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	SIZE	TPI	H	CF	WF	Dmin
R/L BM07. H320UN. 10	07	32	0.42	0.10	5.8	10
R/L BM07. H280UN. 10	07	28	0.49	0.11	5.8	10
R/L BM07. H240UN. 10	07	24	0.57	0.13	5.8	10
R/L BM07. H200UN. 10	07	20	0.68	0.15	5.8	10
R/L BM07. H180UN. 10	07	18	0.76	0.17	5.8	10
R/L BM07. H160UN. 10	07	16	0.86	0.19	5.8	10
R/L BM07. H140UN. 10	07	14	0.98	0.22	5.8	10



BM07 系列螺纹刀（惠氏 55° 全牙型）

BM07 Threading (Whitworth 55° Full profile-BSW,BSF,BSP)



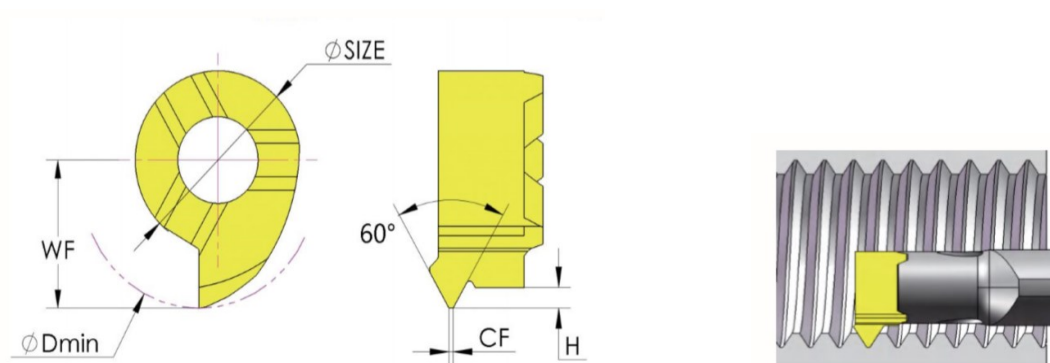
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	SIZE	TPI	H	R	WF	Dmin
R/L BM07. H190WH. 10	07	19	0.85	0.18	5.8	10
R/L BM07. H140WH. 10	07	14	1.16	0.24	5.8	10
R/L BM07. H110WH. 10	07	11	1.48	0.31	5.8	10



BM07 系列螺纹刀（NPT60° 全型牙）

BM07 Threading (NPT 60° Full profile-NPSC,NPTR,LINEPIPE)



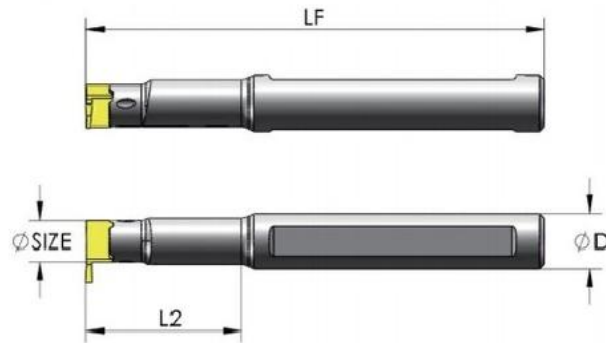
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	SIZE	TPI	H	CF	WF	Dmin
R/L BM07. H180NT. 10	07	18	1.19	0.05	5.8	10
R/L BM07. H140NT. 10	07	14	1.48	0.07	5.8	10



BM09 系列刀杆（公制内冷钢刀杆）

BM09 holder（Steel holder in Metric with internal coolant）

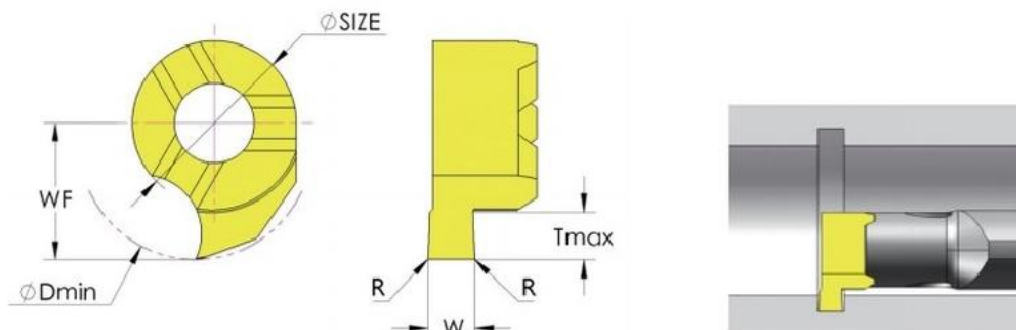


可装配 BM09 系列刀片

订货号 Order Number	D	L2	LF	SIZE
1622•009/A16. 20	16	20	100	09
1622•009/A16. 34	16	34	114	09
1622•009/A16. 45	16	45	125	09



BM09 系列切槽刀/BM09 Grooving



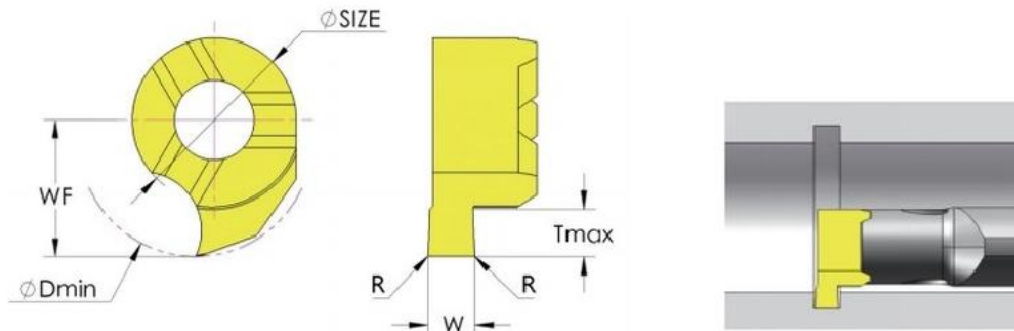
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	SIZE	W	R	Tmax	WH	Dmin
R/L BM09. G100. 00. 14	09	1.00	C0.04	4	9	14
R/L BM09. G150. 00. 14	09	1.50	C0.04	4	9	14
R/L BM09. G150. 00. 16	09	1.50	C0.04	5.5	10.5	16
R/L BM09. G150. 00. 17	09	1.50	C0.04	6.5	11.5	17
R/L BM09. G150. 02. 14	09	1.50	0.20	4	9	14
R/L BM09. G200. 00. 14	09	2.00	C0.04	4		14
R/L BM09. G200. 00. 16	09	2.00	C0.04	5.5	10.5	16
R/L BM09. G200. 00. 17	09	2.00	C0.04	6.5	11.5	17
R/L BM09. G200. 02. 14	09	2.00	0.20	4		14
R/L BM09. G200. 02. 16	09	2.00	0.20	5.5	10.5	16
R/L BM09. G250. 00. 14	09	2.50	C0.04	4	9	14
R/L BM09. G250. 00. 16	09	2.50	C0.04	5.5	10.5	16
R/L BM09. G250. 00. 17	09	2.50	C0.04	6.5	11.5	17
R/L BM09. G250. 02. 16	09	2.50	0.20	5.5	10.5	16
R/L BM09. G300. 00. 14	09	3.00	C0.04	4	9	14
R/L BM09. G300. 00. 16	09	3.00	C0.04	5.5	10.5	16
R/L BM09. G300. 00. 17	09	3.00	C0.04	6.5	11.5	17
R/L BM09. G300. 02. 16	09	3.00	0.20	5.5	10.5	16
R/L BM09. G318. 00. 14	09	3.18	C0.04	4	9	14



BM09 系列切槽刀（卡簧槽专用）

BM09 Grooving (For circlip grooves)



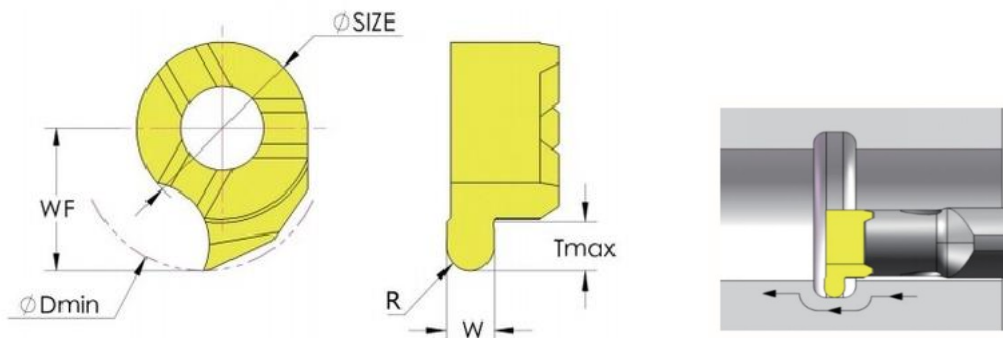
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	SIZE	W	R	Tmax	WH	Dmin
R/L BM09. G070. 00. 14	09	0.73	C0.04	1.20	9	14
R/L BM09. G080. 00. 14	09	0.83	C0.04	1.30	9	14
R/L BM09. G090. 00. 14	09	0.93	C0.04	1.50	9	14
R/L BM09. G120. 00. 14	09	1.20	C0.04	4.00	9	14
R/L BM09. G140. 00. 14	09	1.40	C0.04	4.00	9	14
R/L BM09. G170. 00. 14	09	1.70	C0.04	4.00	9	14



BM09 系列切槽刀(圆弧槽)

BM09 Grooving (Full radius)



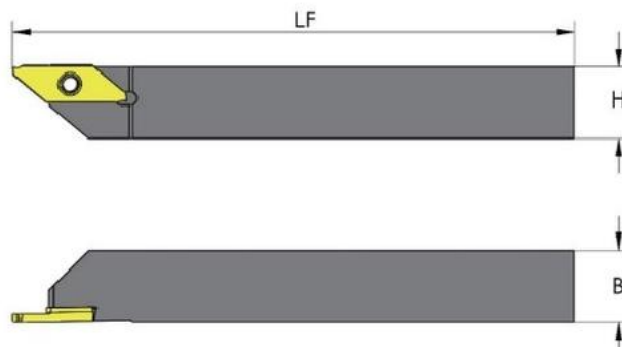
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	SIZE	W	R	Tmax	WH	Dmin
R/L BM09. R080. 04. 14	09	0.8	0.4	4	9	14
R/L BM09. R120. 06. 14	09	1.2	0.6	4	9	14
R/L BM09. R180. 09. 14	09	1.8	0.9	4	9	14
R/L BM09. R200. 10. 14	09	2.0	1.0	4	9	14
R/L BM09. R220. 11. 14	09	2.2	1.1	4	9	14



外圆切槽系列刀杆(公制钢刀杆)

Outer circular groove cutting holder (Steel holder in Metric)

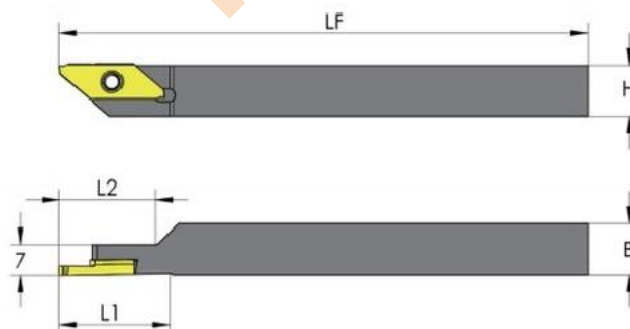


可装配外圆切槽系列刀片

订货号 Order Number	B	H	LF	Tmax
1642•001/TH225. 1010. 01 R/L	10	10	125	8
1642•001/TH225. 1212. 01 R/L	12	12	125	8
1642•001/TH225. 1616. 01 R/L	16	16	125	8
1642•001/TH225. 2020. 01 R/L	20	20	125	8

外圆切槽系列刀杆(副主轴切断)

Outer circular groove cutting holder (For Parting off)

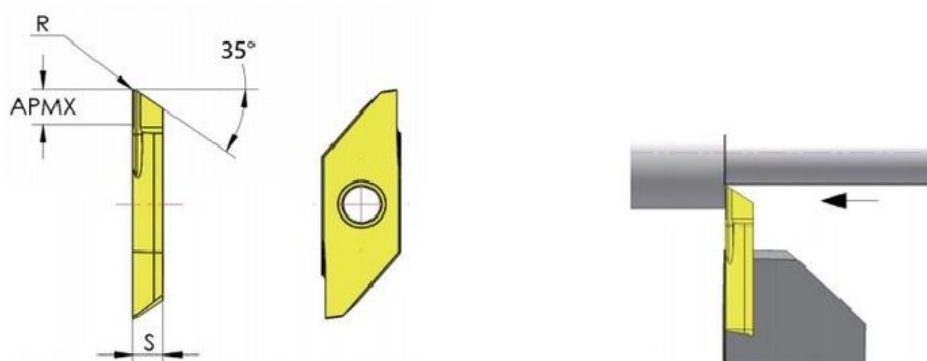


可装配外圆切槽系列刀片

订货号 Order Number	B	H	L2	LF	Tmax
1642•001/TH225. 1010. X. 01 R	10	10	20	125	8.5
1642•001/TH225. 1212. X. 01 R	12	12	20	125	8.5



外圆前扫刀/Outer circular front turning

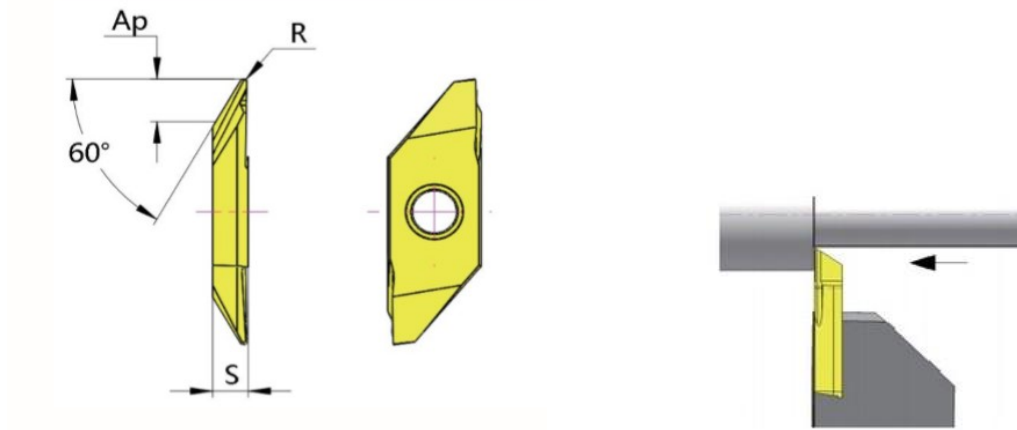


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	S	R	APMX
R/L T225. F003	3.2	0.03	4
R/L T225. F005	3.2	0.05	4
R/L T225. F010	3.2	0.10	4
R/L T225. F020	3.2	0.20	4



外圆后扫刀/Outer circular back turning



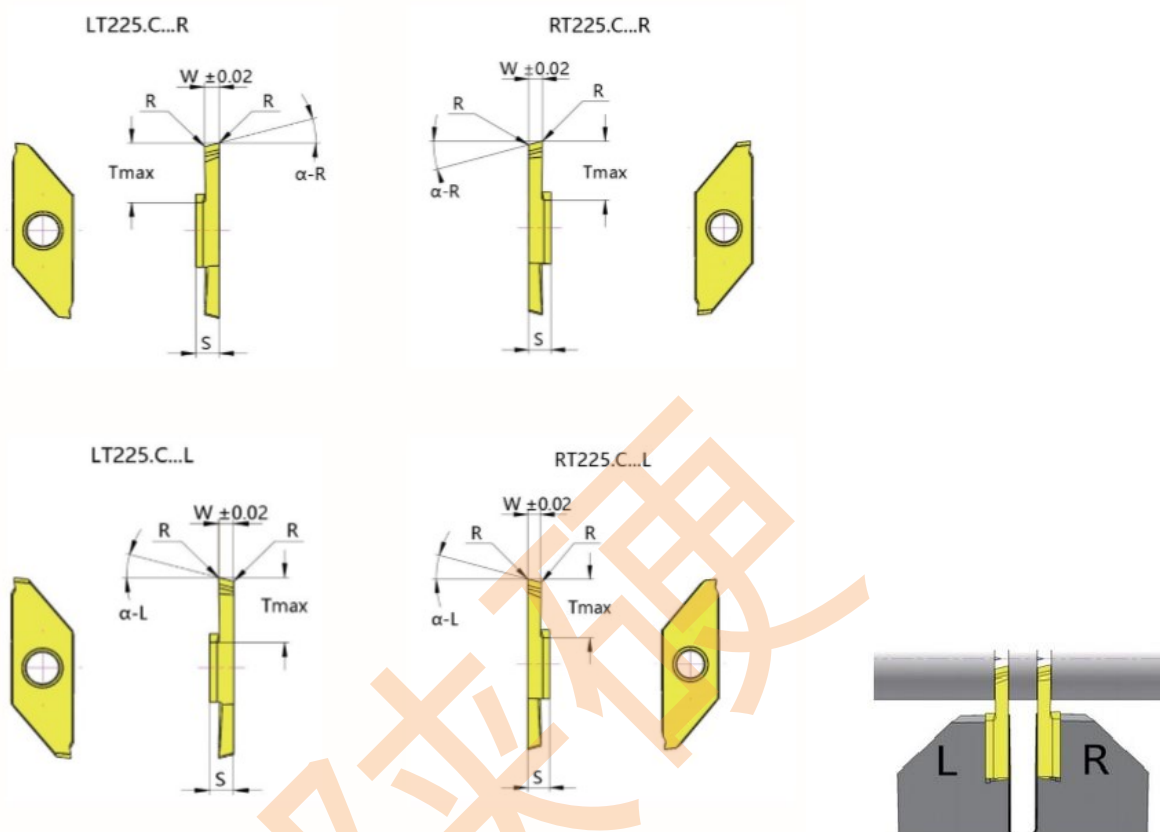
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	S	R	APMX
R/L T225. B003	3.2	0.03	4
R/L T225. B005	3.2	0.05	4
R/L T225. B010	3.2	0.10	4
R/L T225. B020	3.2	0.20	4



外圆切断刀(前扫刀)

Outer circular Partingoff (Front turning)



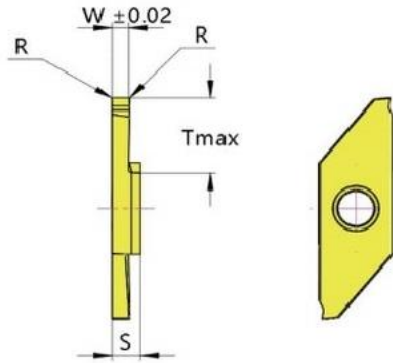
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	S	W	R	Tmax	PSIRL	PSIRR	APMX
R/L T225. C070R	3.2	0.70	0.05	4.3		15°	
R/L T225. C100R	3.2	1.00	0.05	6.3		15°	
R/L T225. C150R	3.2	1.50	0.05	6.3		15°	
R/L T225. C200R	3.2	2.00	0.05	8.5		15°	
R/L T225. C150R20	3.2	1.50	0.05	6.3		20°	
R/L T225. C200R20	3.2	2.00	0.05	8.5		20°	
R/L T225. C070L	3.2	0.70	0.05	4.3	15°		
R/L T225. C100L	3.2	1.00	0.05	6.3	15°		
R/L T225. C150L	3.2	1.50	0.05	6.3	15°		
R/L T225. C200L	3.2	2.00	0.05	8.5	15°		

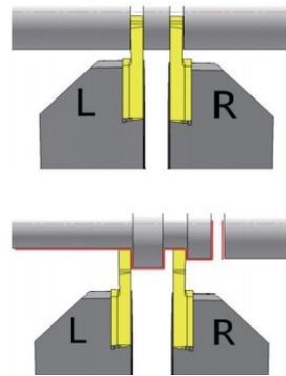
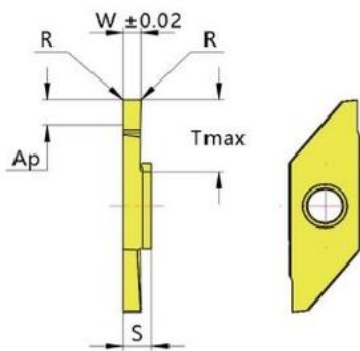


外圆切断刀/Outer circular Parting off

R/LT225. C...N



R/LT225. C...T

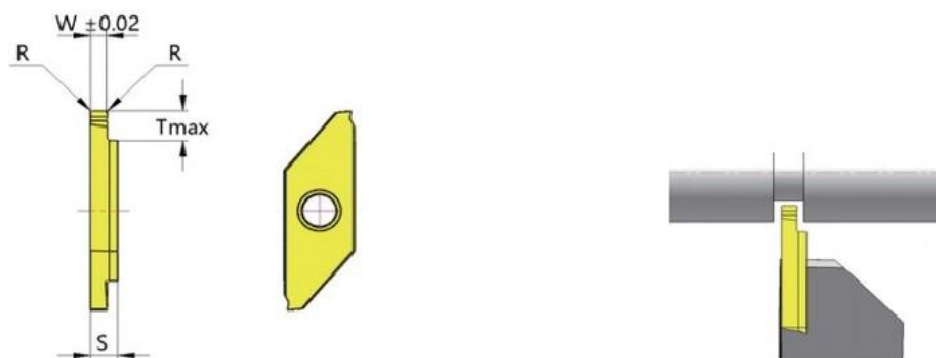


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	S	W	R	Tmax	PSIRL	PSIRR	APMX
R/L T225. C070N	3.2	0.70	0.05	4.3			
R/L T225. C100N	3.2	1.00	0.05	6.3			
R/L T225. C150N	3.2	1.50	0.05	6.3			
R/L T225. C200N	3.2	2.00	0.05	8.5			
R/L T225. C100T	3.2	1.00	0.05	6.3			1.5
R/L T225. C150T	3.2	1.50	0.05	6.3			3
R/L T225. C200T	3.2	2.00	0.05	8.5			3
R/L T225. C250T	3.2	2.50	0.05	8.5			3



外圆切槽刀/Outer circular grooving



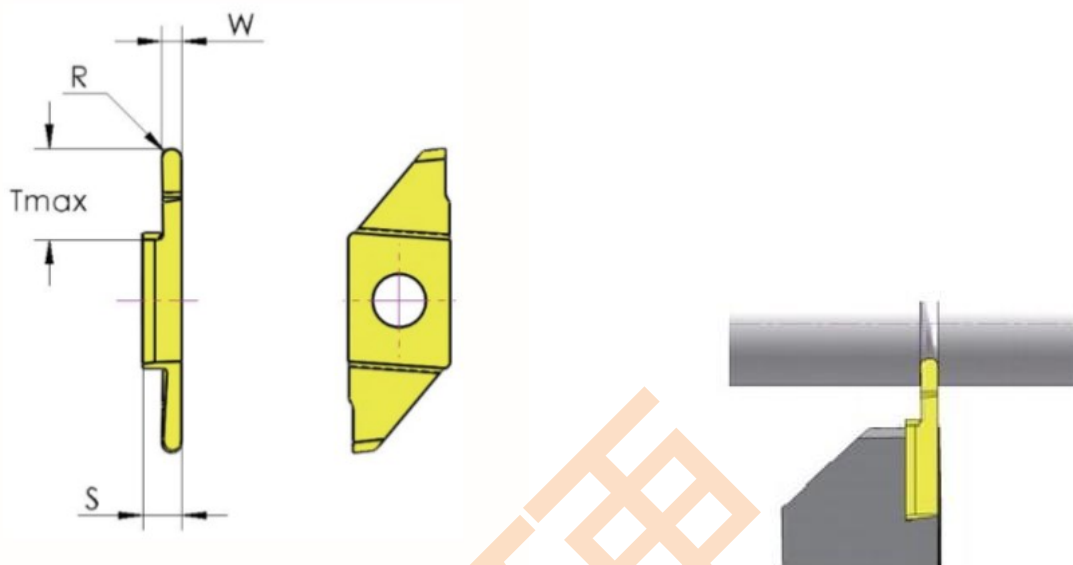
图示为右手 (R/L: R 为右, L 为左)

订货号 Order Number	S	W	R	Tmax
R/L T225. G050	3.2	0.50	0.05	1.3
R/L T225. G075	3.2	0.75	0.05	2.5
R/L T225. G100	3.2	1.00	0.05	2.7
R/L T225. G125	3.2	1.25	0.05	2.7
R/L T225. G150	3.2	1.50	0.05	3.7
R/L T225. G175	3.2	1.75	0.05	3.7
R/L T225. G200	3.2	2.00	0.05	3.7
R/L T225. G250	3.2	2.50	0.05	3.7



外圆切槽刀（圆头切槽刀）

Outer circular grooving（Grooving full radius）



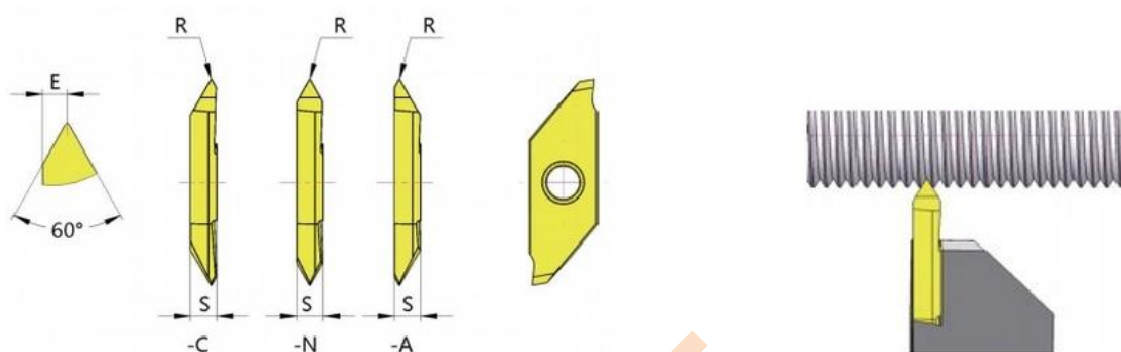
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	S	W	R	Tmax
LT225. P080	3.2	0.80	0.40	3.8
LT225. P125	3.2	1.25	0.625	4.0
LT225. P160	3.2	1.60	0.80	4.0
LT225. P250	3.2	2.50	1.25	4.0



外圆螺纹刀(公制 60° 范围牙型)

Outer circular threading (Threading Metric ISO 60° Partial profile)



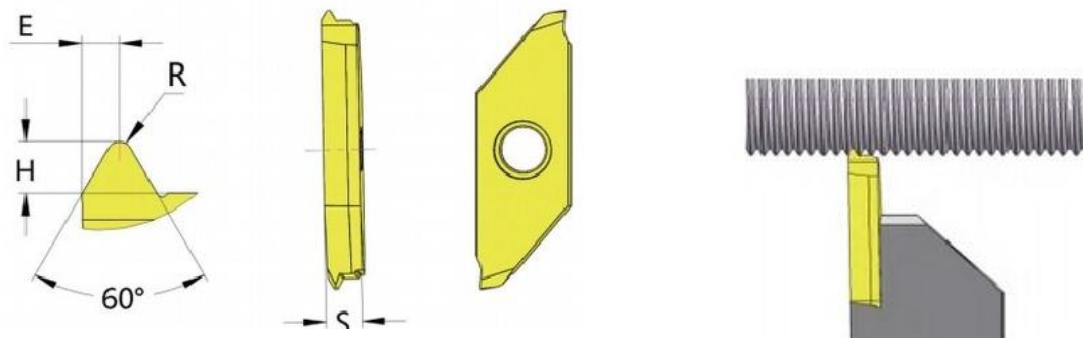
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	S	P	P _{max}	R	HA	E
R/L T225. T60A	3.2	0.4	1.0	0.05	0.75	0.60
R/L T225. T60C	3.2	0.4	1.0	0.05	0.75	2.6
R/L T225. T60N	3.2	0.4	2.0	0.05	1.50	1.59



外圆螺纹刀(公制 60° 全牙型)

Outer circular threading (Threading Metric ISO60° Full profile)



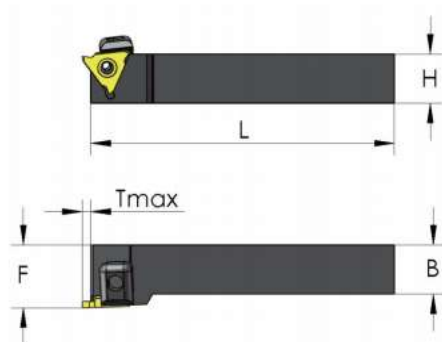
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	S	P	R	H	E
R/L T225. MMF01. 020A	3.2	0.2	0.03	0.12	0.23
R/L T225. MMF01. 025A	3.2	0.25	0.04	0.15	0.28
R/L T225. MMF01. 030A	3.2	0.3	0.04	0.19	0.28
R/L T225. MMF01. 035A	3.2	0.35	0.05	0.22	0.32
R/L T225. MMF01. 040A	3.2	0.4	0.06	0.25	0.38
R/L T225. MMF01. 045A	3.2	0.45	0.06	0.28	0.38
R/L T225. MMF01. 050A	3.2	0.5	0.07	0.31	0.48
R/L T225. MMF01. 070A	3.2	0.7	0.1	0.43	0.38
R/L T225. MMF01. 075A	3.2	0.75	0.11	0.46	0.38
R/L T225. MMF01. 080A	3.2	0.8	0.11	0.49	0.38
R/L T225. MMF01. 100A	3.2	1	0.12	0.61	0.38
R/L T225. MMF01. 125A	3.2	1.25	0.15	0.77	0.38
R/L T225. MMF01. 150A	3.2	1.5	0.22	0.92	0.38



浅槽系列刀杆 (公制钢刀杆)

Shallow groove holder (Steel holder in Metric)

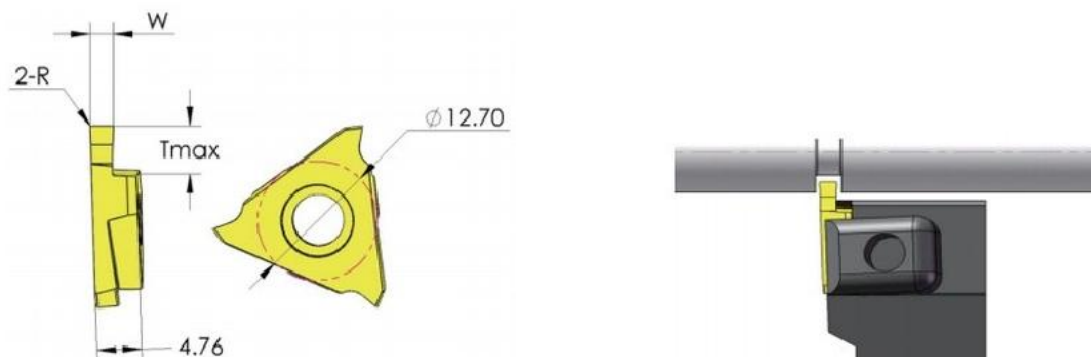


可装配浅槽系列刀片

订货号 Order Number	B	F	H	LF	Tmax
1642•002/1616K22 R/L	16	25	16	125	5
1642•002/1616K22 R/L	20	25	20	125	5
1642•002/1616K22 R/L	25	30	25	125	5



切槽刀/grooveing

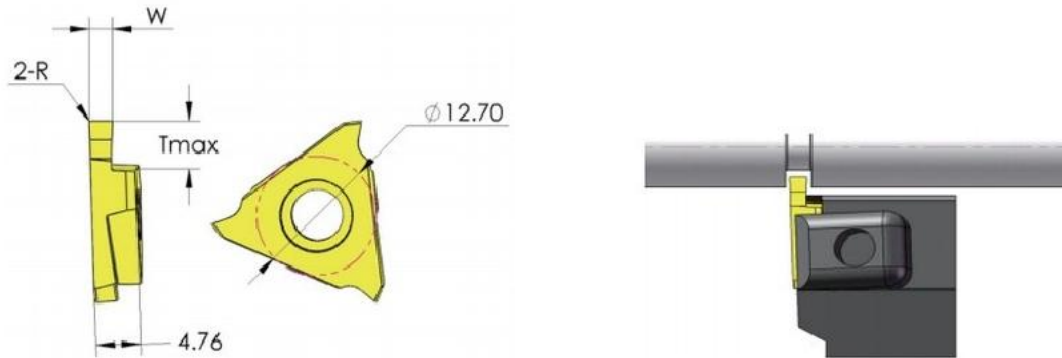


图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	W	R	Tmax
GBA43 R/L 125-010	1.25	0.1	2
GBA43 R/L 125-020	1.25	0.2	2
GBA43 R/L 140-020	1.4	0.2	3.5
GBA43 R/L 145-020	1.45	0.2	2
GBA43 R/L 150-010	1.5	0.1	3.5
GBA43 R/L 150-020	1.5	0.2	3.5
GBA43 R/L 170-020	1.7	0.2	3.5
GBA43 R/L 175-020	1.75	0.2	3.5
GBA43 R/L 185-020	1.85	0.2	3.5
GBA43 R/L 195-020	1.95	0.2	3.5
GBA43 R/L 200-010	2	0.1	3.5
GBA43 R/L 200-020	2	0.2	3.5
GBA43 R/L 225-020	2.25	0.2	3.5
GBA43 R/L 230-020	2.3	0.2	3.5
GBA43 R/L 250-010	2.5	0.1	5
GBA43 R/L 250-030	2.5	0.3	5
GBA43 R/L 265-030	2.65	0.3	5
GBA43 R/L 280-030	2.8	0.3	5



切槽刀/grooving



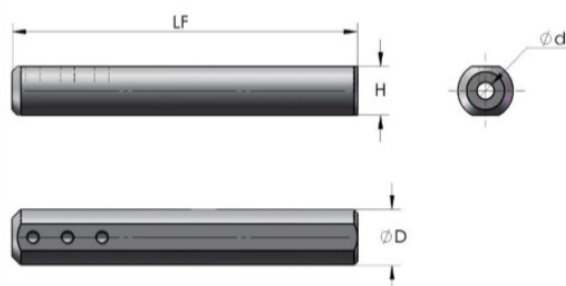
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	W	R	lmax
GBA43 R/L 300-010	3	0.1	5
GBA43 R/L 300-030	3	0.3	5
GBA43 R/L 325-030	3.25	0.3	5
GBA43 R/L 330-030	3.3	0.3	5
GBA43 R/L 350-010	3.5	0.1	5
GBA43 R/L 350-030	3.5	0.3	5
GBA43 R/L 400-010	4	0.1	5
GBA43 R/L 400-040	4	0.4	5



微镗 M 系列刀杆 (公制钢刀杆)

M Micro boring (Steel holder in Metric)



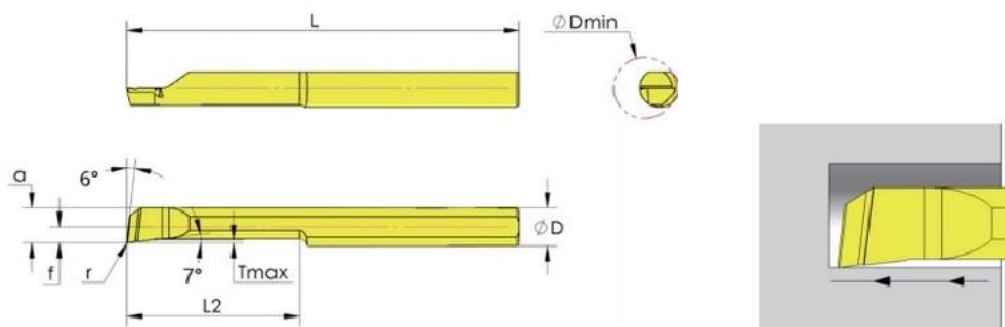
可装配微镗 M 系列刀具

订货号 Order Number	d	D	LF	H
6311•001/SHB-0316	3	16	100	14
6311•001/SHB-0416	4			
6311•001/SHB-0516	5			
6311•001/SHB-0616	6			
6311•001/SHB-0716	7			
6311•001/SHB-0816	8			
6311•001/SHB-0320	3	20	120	18
6311•001/SHB-0420	4			
6311•001/SHB-0520	5			
6311•001/SHB-0620	6			
6311•001/SHB-0720	7			
6311•001/SHB-0820	8			



微镗 M 系列 (MTR 镗刀)

M Micro boring (MTR boring)



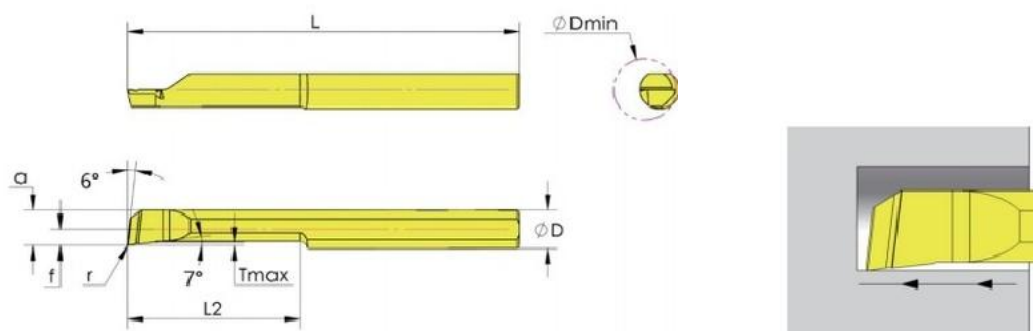
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	L	D
1620•001/MTR1R0.05L4	1	4	0.05	0.1	0.9	0.45	40	3
1620•001/MTR1.2R0.05L4	1.2	4	0.05	0.1	1.1	0.55	40	
1620•001/MTR1.4R0.05L5	1.4	5	0.05	0.1	1.3	0.6	40	
1620•001/MTR1.5R0.1L6	1.5	6	0.1	0.1	1.4	0.65	40	
1620•001/MTR1.6R0.1L6	1.6	6	0.1	0.1	1.5	0.7	40	
1620•001/MTR1.8R0.1L7	1.8	7	0.1	0.1	1.6	0.8	40	
1620•001/MTR2R0.15L10	2.0	10	0.15	0.15	1.8	0.9	40	
1620•001/MTR3R0.15L10	3.0	10	0.15	0.3	2.8	1.3	40	
1620•001/MTR3R0.15L15		15	0.15				40	
1620•001/MTR3R0.2L10		10	0.2				40	
1620•001/MTR3R0.2L15		15	0.2				40	
1620•001/MTR2.5R0.1L10	2.5	10	0.1	0.25	2.3	1.1	40	4
1620•001/MTR2.5R0.15L15		15	0.15				40	
1620•001/MTR3.5R0.15L15	3.5	15	0.15	0.25	3.2	1.7	40	
1620•001/MTR4R0.1L15	4.0	15	0.1	0.3	3.7	1.7	50	
1620•001/MTR4R0.1L22		22	0.1				50	
1620•001/MTR4R0.15L10		10	0.15				50	
1620•001/MTR4R0.15L15		15	0.15				50	
1620•001/MTR4R0.15L22		22	0.15				50	
1620•001/MTR4R0.2L10		10	0.2				50	
1620•001/MTR4R0.2L15		15	0.2				50	
1620•001/MTR4R0.2L22		22	0.2				50	



微镗 M 系列 (MTR 镗刀)

M Micro boring (MTR boring)



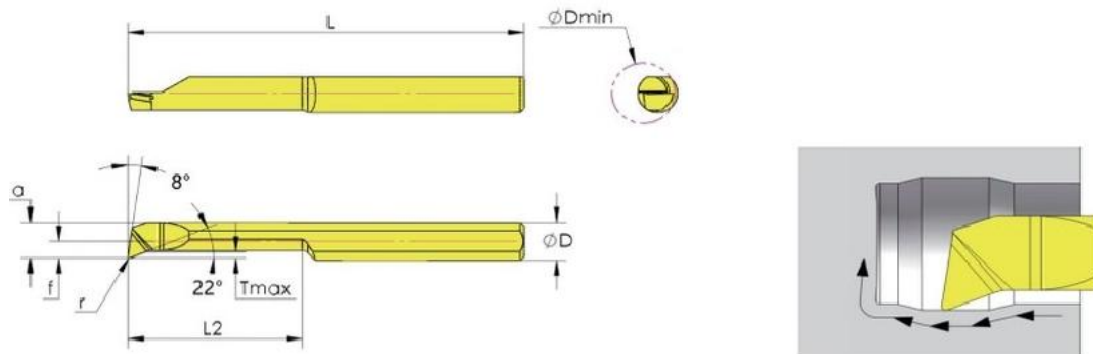
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	L	D
1620•001/MTR4.5R0.2L22	4.5	22	0.2	0.4	4.3	2.2	50	5
1620•001/MTR5R0.1L15	5.0	15	0.1	0.4	4.6	2.1	50	
1620•001/MTR5R0.1L22		22	0.1				50	
1620•001/MTR5R0.15L22		22	0.15				50	
1620•001/MTR5R0.2L22		22	0.2				50	
1620•001/MTR5R0.2L25		25	0.2				50	
1620•001/MTR5R0.2L30		30	0.2				50	
1620•001/MTR5R0.2L35		35	0.2				50	
1620•001/MTR6R0.1L22	6.0	22	0.1	0.5	5.7	2.7	50	6
1620•001/MTR6R0.2L15		15	0.2				50	
1620•001/MTR6R0.2L22		22	0.2				50	
1620•001/MTR6R0.2L30		30	0.2				50	
1620•001/MTR6R0.2L35		35	0.2				50	
1620•001/MTR7R0.2L30	7.0	30	0.2	0.6	6.8	3.3	60	7
1620•001/MTR8R0.2L22	8.0	22	0.2	0.7	7.8	3.8	60	8
1620•001/MTR8R0.2L32		32	0.2				65	
1620•001/MTR9R0.2L32	9.0	32	0.2	0.8	8.8	4.3	75	9
1620•001/MTR10R0.2L35	10.0	35	0.2	0.9	9.8	4.8	75	10



微镗 M 系列（MPR 镗刀）

M Micro boring（MPR boring）



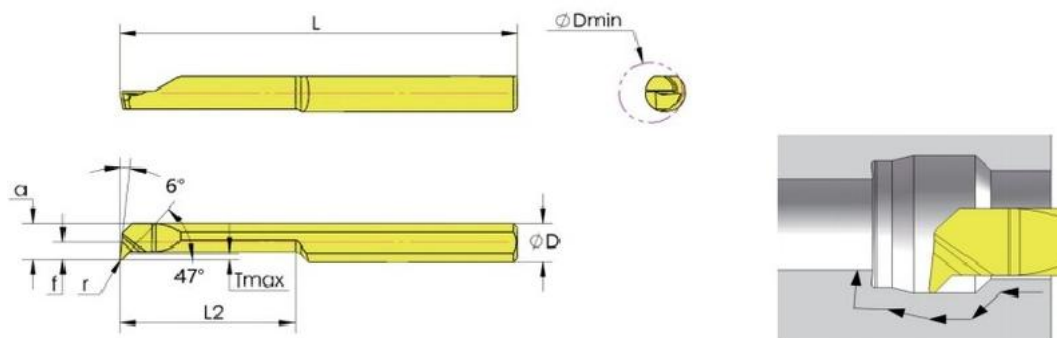
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	Dmin	L2	r	Tamx	a	f	L	D
1620•001/MPR2R0. 1L10	2.0	10	0.1	0.4	1.8	0.8	40	3
1620•001/MPR3R0. 15L15	3.0	15	0.15	0.6	2.7	1.2	40	
1620•001/MPR4R0. 15L15	4.0	15	0.15	0.7	3.7	1.7	50	4
1620•001/MPR5R0. 2L22	5.0	22	0.2	0.9	4.7	2.2	50	5
1620•001/MPR6R0. 2L22	6.0	22	0.2	1.3	5.7	2.7	50	6
1620•001/MPR7R0. 2L27	7.0	27	0.2	1.4	6.7	3.2	60	7
1620•001/MPR8R0. 2L27	8.0	27	0.2	1.5	7.7	3.7	60	8



微镗 M 系列 (MQR 镗刀)

M Micro boring (MQR boring)



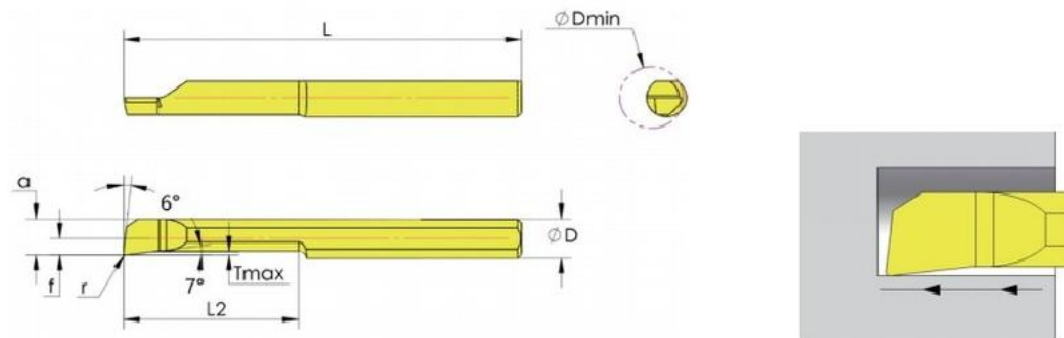
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	L	D
1620•001/MQR3R0. 15L15	3.0	15	0.15	0.5	2.7	1.2	40	3
1620•001/MQR4R0. 15L15	4.0	15	0.15	0.7	3.7	1.7	50	4
1620•001/MQR5R0. 2L22	5.0	22	0.2	0.9	4.7	2.2	50	5
1620•001/MQR6R0. 2L22	6.0	22	0.2	1.4	5.7	2.7	50	6



微镗 M 系列 (MNR 镗刀)

M Micro boring (MNR boring)



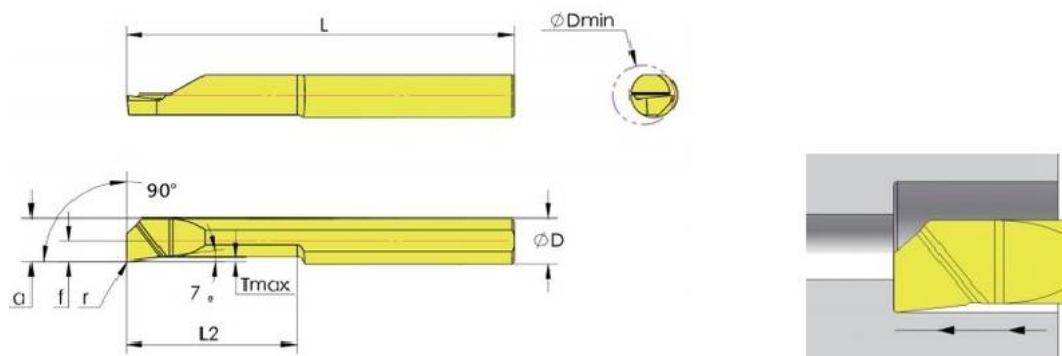
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	r	Tmax	a	f	L	D
1620•001/MNR2R0. 15L10	2.0	10	0.15	0.1	1.8	0.9	40	3
1620•001/MNR3R0. 15L10	3.0	10	0.15	0.3	2.8	1.3	40	3
1620•001/MNR4R0. 15 L15	4.0	15	0.15	0.3	3.7	1.7	50	4
1620•001/MNR5R0. 2L22	5.0	22	0.2	0.4	4.6	2.1	50	5
1620•001/MNR6R0. 2L22	6.0	22	0.2	0.5	5.7	2.7	50	6



微镗 M 系列（MUR 镗刀）

M Micro boring（MUR boring）



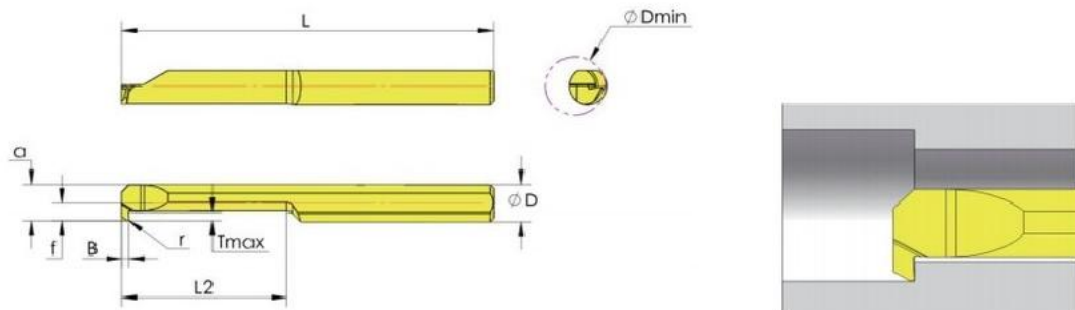
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	Dmin	L2	r	Tmax	a	f	L	D
1620•001/MUR3R0.05L10	3.0	10	0.05	0.2	2.8	1.3	40	3
1620•001/MUR4R0.1L15	4.0	15	0.1	0.3	3.7	1.7	50	4
1620•001/MUR5R0.15L22	5.0	22	0.15	0.4	4.8	2.1	50	5
1620•001/MUR6R0.15L22	6.0	22	0.15	0.5	5.7	2.8	50	6
1620•001/MUR8R0.2L27	8.0	27	0.2	0.7	7.7	3.8	65	8



微镗 M 系列（MXR 背镗刀）

M Micro boring （MXR Back boring）



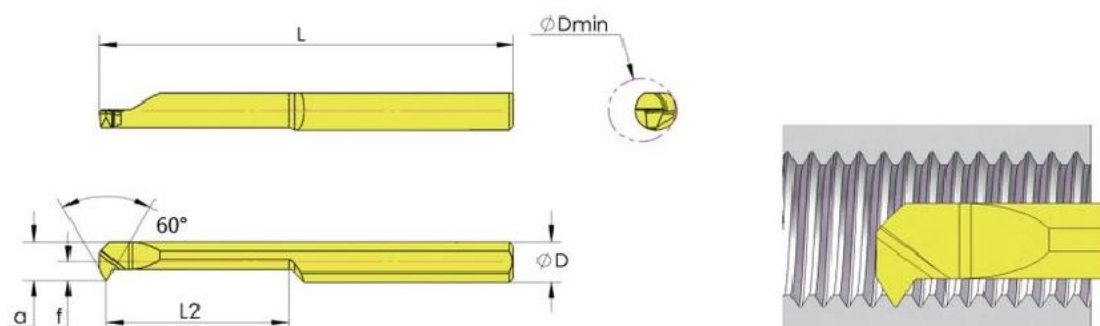
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	Dmin	L2	r	B	Tmax	a	f	L	D
1620•001/MXR3B0.8L15	3.0	15	0.15	0.8	0.5	2.8	1.3	40	4
1620•001/MXR4B0.8L15	4.0	15	0.15	0.8	0.8	3.7	1.7	50	4
1620•001/MXR5B1.0L22	5.0	22	0.2	1.0	1.0	4.8	2.3	50	5
1620•001/MXR6B1.0L22	6.0	22	0.2	1.0	1.8	5.8	2.8	50	6



M 系列螺纹刀 (MIR 公制 60° 范围牙型)

M Micro Threading (MIR Metric ISO60° Partial profile)



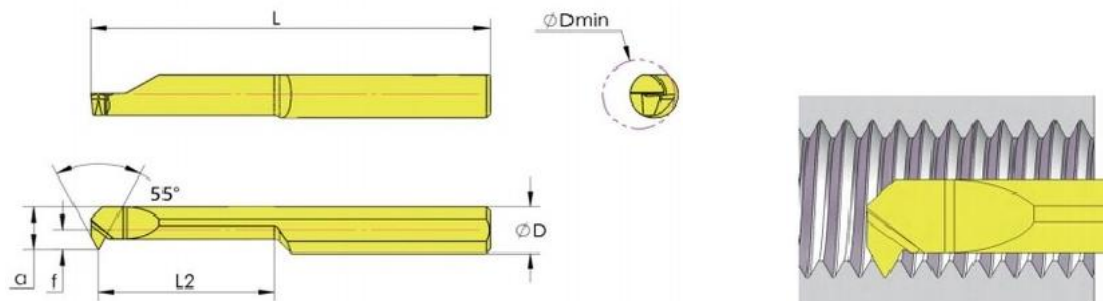
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	P (mm)	P (TPI)	a	f	L	D
1600•001/MIR3A60L15	3.0	15	0.7-1.0	32-24	2.8	1.3	40	3
1600•001/MIR/L4A60L15	4.0	15	0.8-1.0	32-24	3.8	1.8	50	4
1600•001/MIR5A60L15	5.0	15	1.0-1.25	24-20	4.8	2.3	50	5
1600•001/MIR/L5A60L22		22	1.0-1.25	24-20	4.8	2.3	50	
1600•001/MIR6A60L15	6.0	15	1.0-1.5	24-16	5.6	2.6	50	6
1600•001/MIR/L6A60L22		22	1.0-1.5	24-16	5.6	2.6	50	
1600•001/MIR6A60L4375L		43	1.0-1.5	24-16	5.6	2.6	75	
1600•001/MIR8A60L22	8.0	22	1.0-2.0	24-13	7.8	3.8	60	8
1600•001/MIR8A60L30		30	1.0-2.0	24-13	7.8	3.8	65	



M 系列螺纹刀 (MIR 公制 55° 范围牙型)

M Micro Threading (MIR 55° Partial profile)



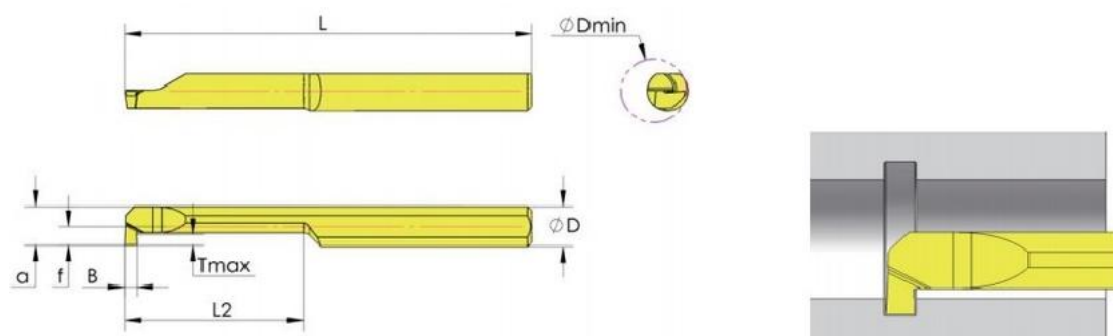
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	P (mm)	P (TPI)	a	f	L	D
1600•001/MIR3A55L15	3.0	15	0.5-1.0	48-24	2.8	1.3	40	3
1600•001/MIR4A55L15	4.0	15	0.5-1.0	48-24	3.8	1.8	50	4
1600•001/MIR5A55L22	5.0	22	0.5-1.25	48-20	4.8	2.3	50	5
1600•001/MIR6A55L22	6.0	22	0.5-1.5	48-16	5.6	2.6	50	6



M 系列内孔切槽刀 (MGR 切槽刀)

M Grooving (MGR Grooving)



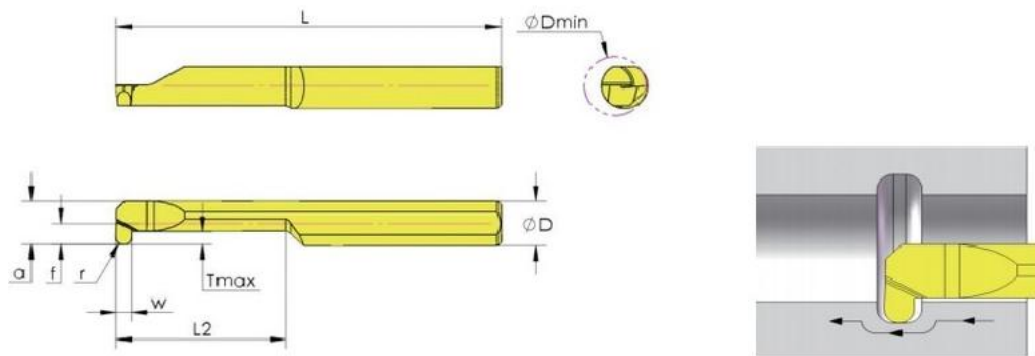
图示为右手 (R/L:R 为右, L 为左)

订货号 Order Number	Dmin	L2	B	Tmax	a	f	L	D
1640•001/MGR3B0. 7L10	3.0	10	0.7	0.6	2.8	1.3	40	3
1640•001/MGR3B1. 0L10		10	1	0.7	2.8		40	
1640•001/MGR4B0. 7L10	4.0	10	0.7	0.6	3.8	1.8	50	4
1640•001/MGR4B1. 0L15		15	1		3.8		50	
1640•001/MGR4B1. 5L15		15	1.5	1	3.8		50	
1640•001/MGR4B2. 0L15		15	2		3.8		50	
1640•001/MGR5B1. 0L22	5.0	22	1	1.2	4.8	2.3	50	5
1640•001/MGR5B1. 5L22		22	1.5	1.2	4.8		50	
1640•001/MGR5B2. 0L22		22	2	1.2	4.8		50	
1640•001/MGR6B1. 0L22	6.0	22		1.4	5.8	2.8	50	6
1640•001/MGR6B1. 2L22		22	1.2	1.4	5.8		50	
1640•001/MGR6B1. 5L22		22	1.5	1.4	5.8		50	
1640•001/MGR6B2. 0L22		22	2	1.4	5.8		50	
1640•001/MGR7B1. 0L22	7.0	22	1	2.5	6.8	3.3	60	7
1640•001/MGR7B1. 5 L22		22	1.5	2.5	6.8		60	
1640•001/MGR7B2. 0L22		22	2	2.5	6.8		60	
1640•001/MGR8B1. 0L22	8.0	22		1.7	7.8	3.8	60	8
1640•001/MGR8B1. 5L22		22	1.5	1.7	7.8		60	
1640•001/MGR8B2. 0L22		22	2	2.6	7.8		60	
1640•001/MGR8B2. 5L22		22	2.5	2.6	7.8		60	
1640•001/MGR8B3. 0L22		22	3	2.6	7.8		60	



M 系列内孔切槽刀（MKR 圆头切槽刀）

M Grooving（MKR Grooving full radius）



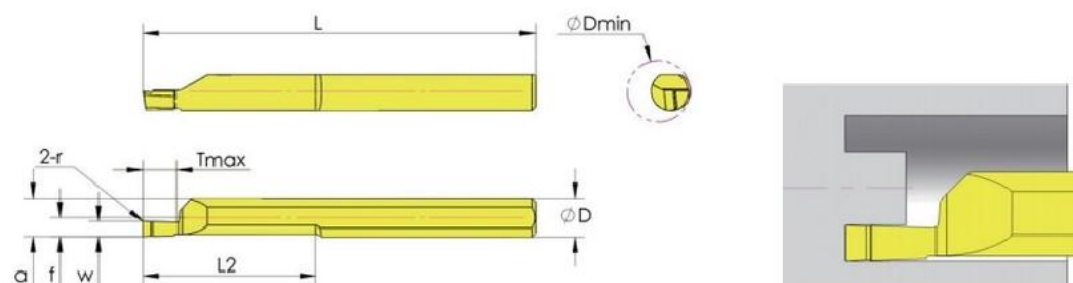
图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	Dmin	L2	r	W	Tmax	a	f	L	D
1640•001/MKR4R0.5L10	4.0	10	0.5	1	1	3.85	1.85	50	4
1640•001/MKR4R0.75L10		10	0.75	1.5	1	3.85		50	
1640•001/MKR5R0.5L15	5.0	15	0.5	1	1.2	4.85	2.35	50	5
1640•001/MKR5R0.75L15		15	0.75	1.5	1.2	4.85		50	
1640•001/MKR5R1.0L15		15	1	2	1.2	4.85		50	
1640•001/MKR6R0.5L15	6.0	15	0.5	1	1.6	5.9	2.9	50	6
1640•001/MKR6R0.75L15		15	0.75	1.5	1.6	5.9		50	
1640•001/MKR6R1.0L15		15	1	2	1.6	5.9		50	
1640•001/MKR6R1.15L22		22	1.15	2.3	1.6	5.9		50	



M 系列端面切槽刀（MFR 端面切槽刀）

M Face Grooving（MKR Face Grooving）



图示为右手（R/L:R 为右，L 为左）

订货号 Order Number	Dmin	L2	r	W	Tmax	f	L	D
1640•001/MFR4B0. 75L15	4.0	15	0.1	0.75	1.2	1.95	50	4
1640•001/MFR4B1. 0L15		15	0.1	1.0	1.2		50	
1640•001/MFR4B1. 5L15		15	0.1	1.5	1.8		50	
1640•001/MFR5B1. 0L22	5.0	22	0.1	1.0	1.5	2.45	50	5
1640•001/MFR5B1. 5L22		22	0.1	1.5	2.5		50	
1640•001/MFR5B2. 0L22		22	0.1	2.0	3.8		50	
1640•001/MFR6B1. 0L22	6.0	22	0.1	1.0	1.5	2.95	50	6
1640•001/MFR6B1. 5L22		22	0.1	1.5	2.5		50	
1640•001/MFR6B2. 0L22		22	0.1	2.0	3.0		50	
1640•001/MFR6B2. 5L22		22	0.1	2.5	4.8		50	
1640•001/MFR6B3. 0L22		22	0.1	3.0	6.5		50	
1640•001/MFR8B1. 0L25	8.0	25	0.1	1.0	2.3	3.95	65	8
1640•001/MFR8B1. 5L25		25	0.1	1.5	2.8		65	
1640•001/MFR8B2. 0L25		25	0.1	2.0	3.3		65	
1640•001/MFR8B2. 5L25		25	0.1	2.5	3.5		65	
1640•001/MFR8B3. 0L25		25	0.1	3.0	6.0		65	



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