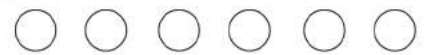


HN-NC[®]
PRECISION TOOL

2016.05
NO.01



高品质 · 高精度 · 高效能
High Quality · High Precision · High Efficiency

钨钢刀具 · 切削工具
Tungsten Steel Tools · Cutting Tools

西安海纳精密机械有限公司
XI 'AN HEINER PRECISION MACHINERY CO., LTD.

■ 技術領先 品質絕佳 零配件的首選

高自製率 · 10年製造經驗 · 設備領先齊全

自从2005年HN·NC创建以来就一直致力于制造及销售符合客户需求的高品质金属加工刀具。在所有的领域中充分满足客户的需求是十分的重要的。

秉承对这个理念的坚持，我们能够提供完整的针对所有金属加工工序的解决方案。

客户的感受我们感同身受，在提供优质的服务的同时，我们以及我们的全体员工都能从中感受到巨大的乐趣。

尽管我们已经做到了很多，但是我们还在继续努力。

如果满足于现状我们将不会再有进步。

“纳天下有用人才，汇四海尖端技术”。10多年以来，海纳金属切削刀具的产品和服务不断升级创新，海纳金属切削刀具提供一整套金属切削刀具产品的设计和定制解决方案服务，海纳公司通过授权的经销商合作伙伴网络提供各种铣削、车削、钻削、孔加工、螺纹和刀具系统产品，您会发现海纳金属切削刀具可能满足您的一些加工需求。

距离不是问题，我们将以最快捷的速度为您代办所有发货事宜，相信选择了我们，就选择了最佳的采购途径！真诚欢迎各界朋友洽谈业务！

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非常感谢长期以来对我们的信任与支持，请继续关注我们的

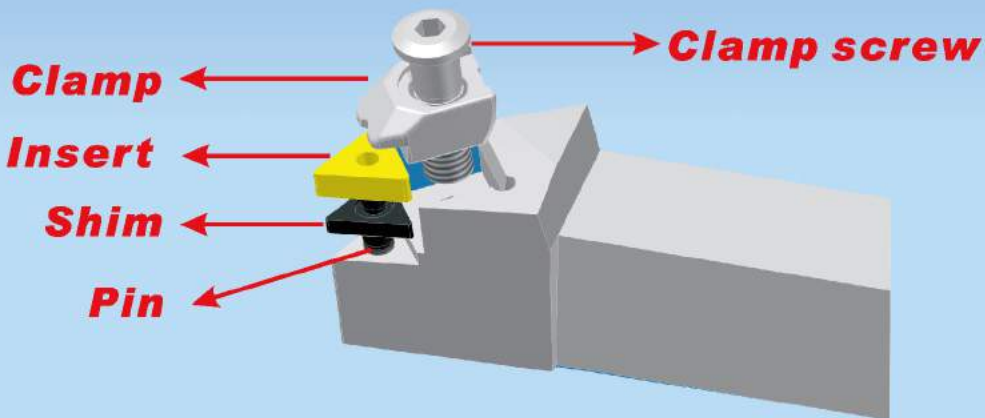
加工設備

- CNC 臥式加工中心機 (300 mm 四方工作盤x10座)
- CNC 臥式加工中心機 (400 mm 四方工作盤x10座)
- CNC 臥式加工中心機 (400 mm 四方工作盤x2座)
- CNC 臥式加工中心機 (400 mm 四方工作盤x24座)
- CNC 五面加工中心機 (400 mm 四方工作盤x2座)
- CNC 五面加工中心機 (300 mm 四方工作盤x10座)
- CNC 立式加工中心機 (400x800 mm 盤)
- CNC 立式加工中心機 (500x1000 mm 盤)
- CNC 四軸車銑複合加工機
- CNC 七軸車銑複合加工機
- CNC 九軸車銑複合加工機
- 立式銑床 (2馬力)
- 立式銑床 (1.5馬力)
- CNC 自動車床
- 手動車床
- 無心磨床
- 外圓磨床
- 桌上型內外圓磨床
- CNC 平面磨床
- 手動平面磨床
- 三軸自動平面磨床
- 自動內孔磨床
- CNC 三軸外圓磨床
- CNC 五軸外圓磨床
- CNC 雙軸內孔磨床



BAO CLAMP HOLDER

Stable & Strong clamping with Bao clamp system



Features

- ★ Simple and powerful clamping system ensures positioning accuracy when inserts clamping.
- ★ Stable structure design and high quality clamp ensures inserts will not move in the high feed processing.
- ★ Optimized design for avoiding chip interference with a powerful clamp, improve inserts life.



BCMNN



BDJNR



BTGNR



BVJNR

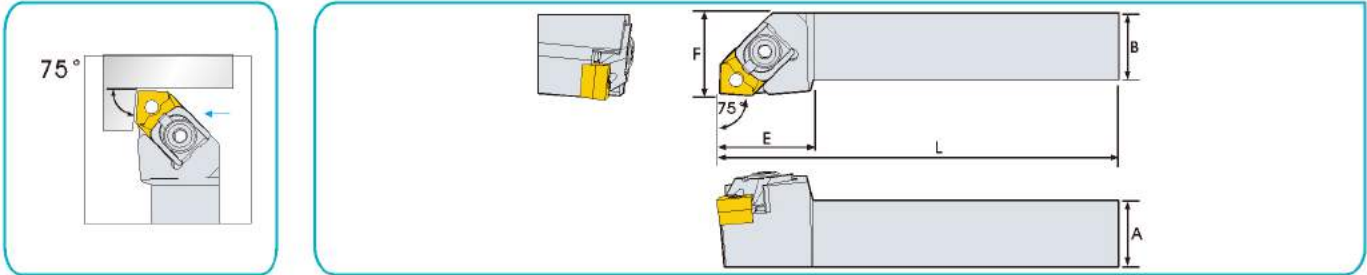


BVVNN



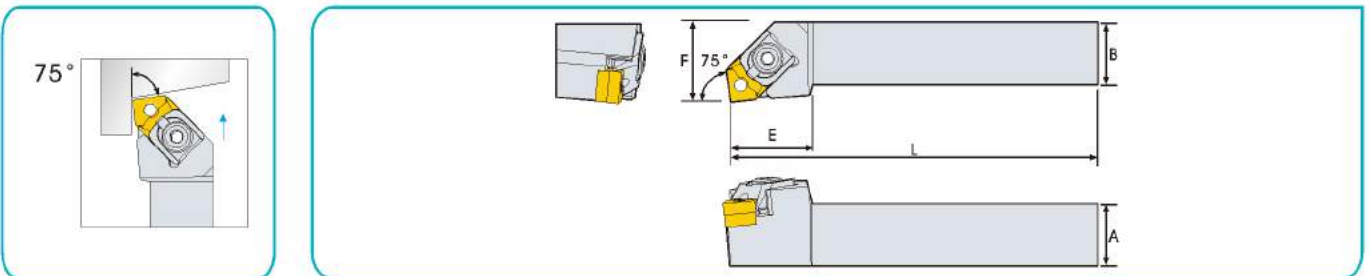
BWLNR

BCBNR/L



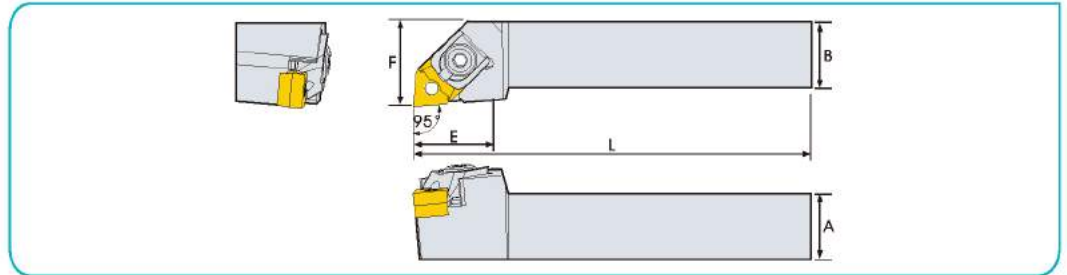
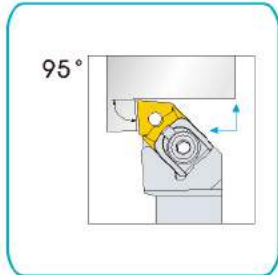
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench	
	R	L	A	B	L	E								F
BCBNR/L2020K12			20	20	125	32	25							
2525M12			25	25	150	32	32	CN□□1204□□	MC1204	CTM6-S	BC12-100	BCS08	CR07	L3.0 L4.0
3232P12			32	32	170	32	40							

BCKNR/L



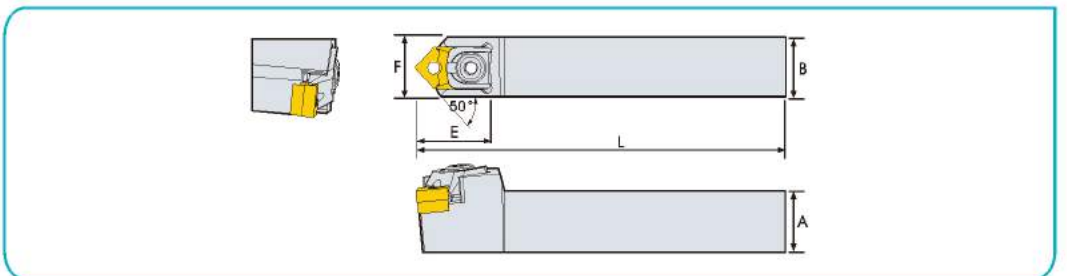
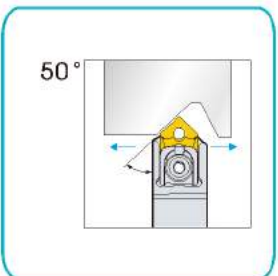
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench	
	R	L	A	B	L	E								F
BCKNR/L2020K12			20	20	125	32	25							
2525M12	●	●	25	25	150	32	32	CN□□1204□□	MC1204	CTM6-S	BC12-100	BCS08	CR07	L3.0 L4.0
3232P12			32	32	170	32	40							

BCLNR/L



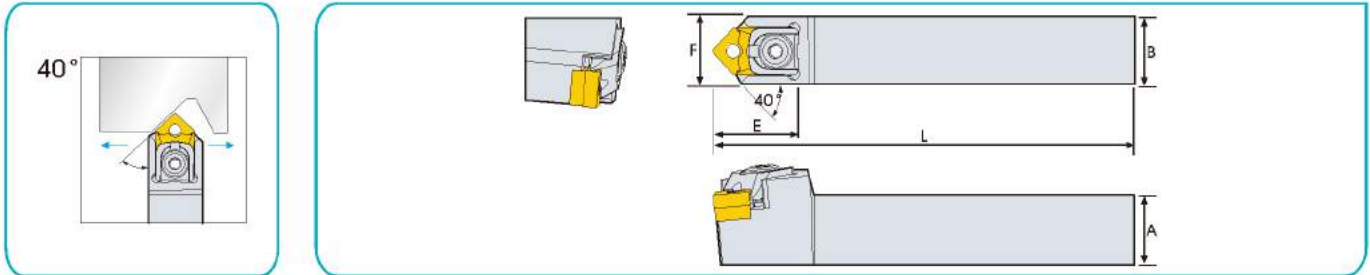
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench	
	R	L	A	B	L	E								F
BCLNR/L 2020K12	●	●	20	20	125	32	25							
2525M12	●	●	25	25	150	32	32	CN□□1204□□	MC1204	CTM6-S	BC12	BCS08	CR07	L3.0 L4.0
3232P12	●	●	32	32	170	32	40							
2525M16			25	25	150	32	32							
3232P16			32	32	170	32	40	CN□□1606□□	MC1604	CTM8-S	BC12	BCS08	CR07	L3.0 L4.0

BCMNN



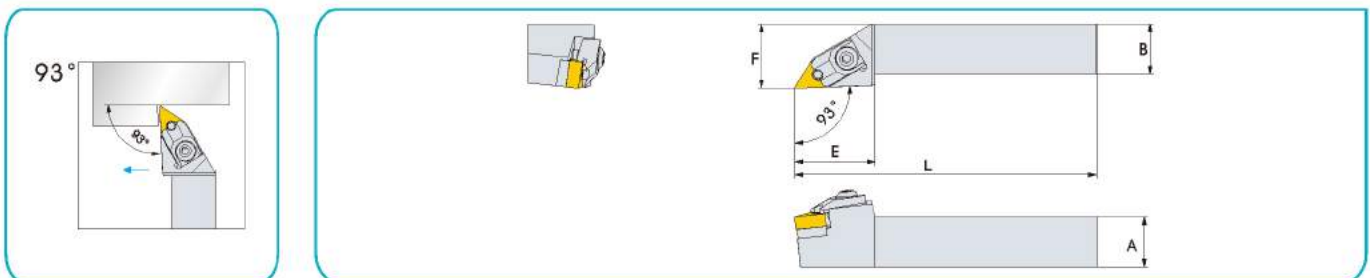
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench	
	R	L	A	B	L	E								F
BCMNN 2020K12	●	●	20	20	125	32	25							
2525M12	●	●	25	25	150	32	32	CN□□1204□□	MC1204	CTM6-S	BC12	BCS08	CR07	L3.0 L4.0
3232P12			32	32	170	32	40							

BCMNN-100



Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench	
	R	L	A	B	L	E								F
BCMNN2020K12-100	●	●	20	20	125	32	25							
2525M12-100	●	●	25	25	150	32	32	CN□□1204□□	MC1204	CTM6-S	BC12-100	BCS08	CR07	L3.0 L4.0
3232P12-100			32	32	170	32	40							

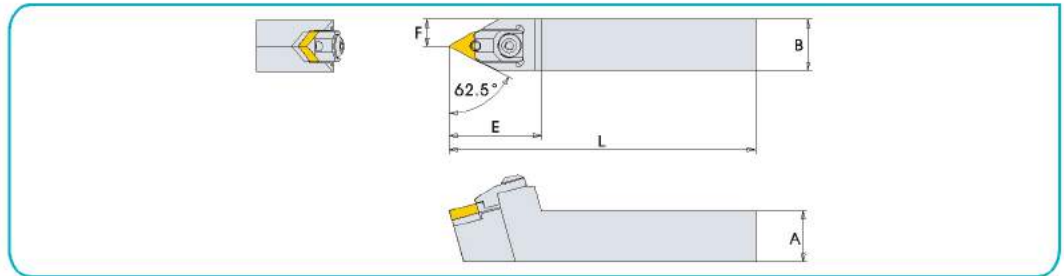
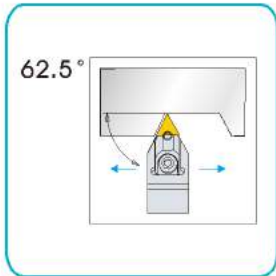
BDJNR



Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench	
	R	L	A	B	L	E								F
BDJNR/L 1616H11	●	●	16	16	100	36	20							
2020K11	●	●	20	20	125	36	25	DN□□1104□□	MD1103	CTM5-S	BD11	BCS06	CR05	L2.5,L3.0
2525M11	●	●	25	25	150	36	32							
2020K15	●	●	20	20	125	40	25							
2525M15	●	●	25	25	150	40	32	DN□□1506□□	MD1504	CTM6-L	BD15	BCS08	CR07	L3.0,L4.0
3232P15	●	●	32	32	170	40	40							



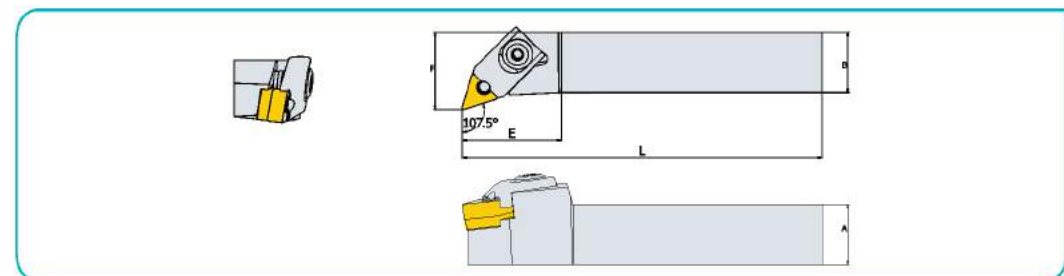
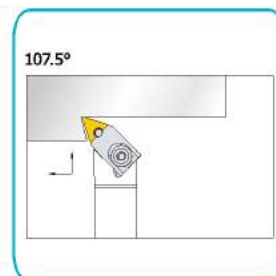
BDPNN



Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench	
	R	L	A	B	L	E								F
BDPNN 2020K15			20	20	125	45	10							
2525M15			25	25	150	45	12.5	DN□□1506□□	MD1504	CTM6-L	BD15	BCS08	CR07	L3.0,L4.0
3232P15			32	32	170	45	16							

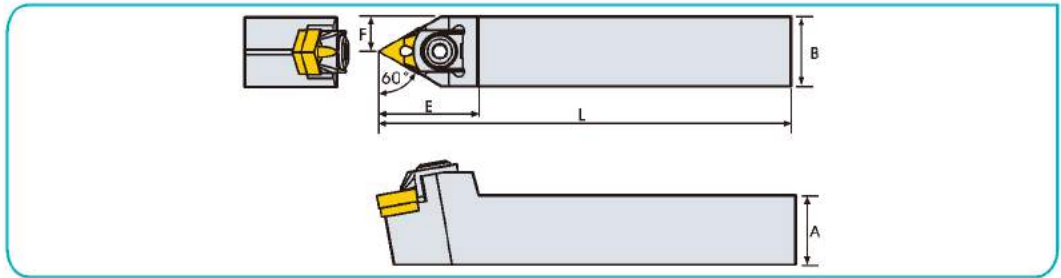
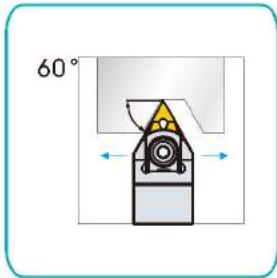


BDQNR/L



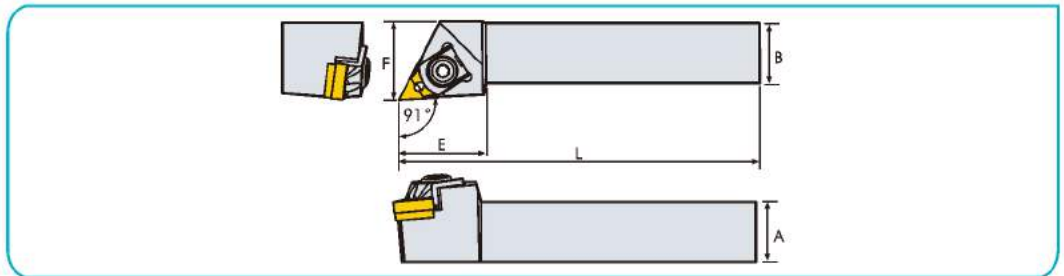
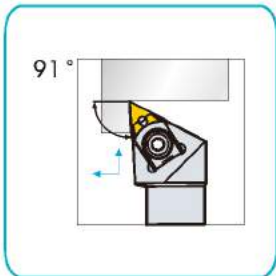
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench	
	R	L	A	B	L	E								F
BDQNR/L 2020K15			20	20	125	36	25							
2525M15			25	25	150	36	32	DN□□1506□□	MD1504	CTM6-L	BD15	BCS08	CR07	L3.0,L4.0
3232P15			32	32	175	36	40							

BTENN



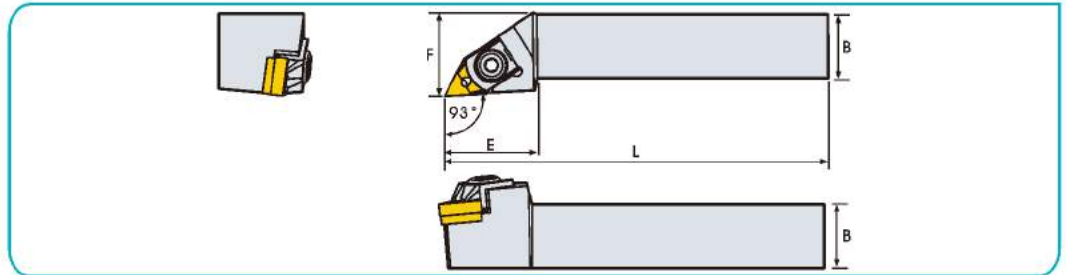
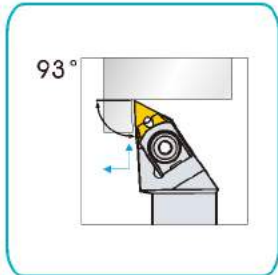
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench	
	R	L	A	B	L	E								F
BTENN 2020K16	●	●	20	20	125	32	10	TN□□1604□□	MT16-S	CTM5-S	BT16	BCS08	CR07	L2.5,L4.0
2525M16	●	●	25	25	150	32	12.5							
3232P16			32	32	170	32	16							

BTGNR/L



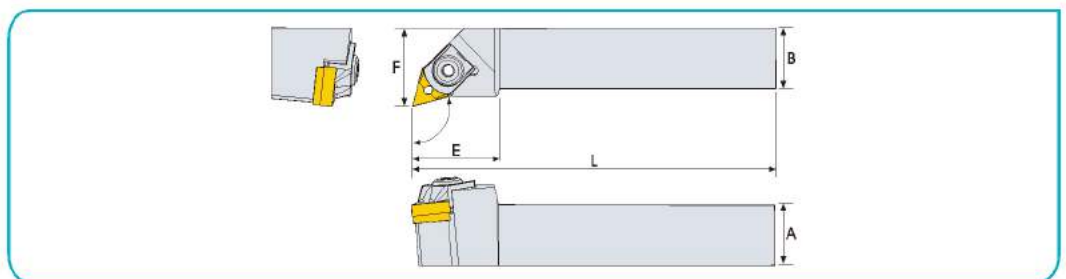
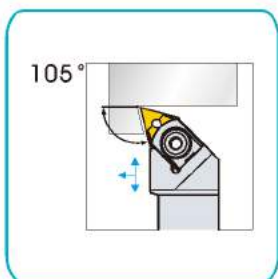
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench	
	R	L	A	B	L	E								F
BTGNR/L 1616H16	●	●	16	16	100	32	20	TN□□1604□□	MT16-S	CTM5-S	BT16-N	BCS06	CR05	L2.5,L3.0
2020K16	●	●	20	20	125	32	25				BT16	BCS08	CR07	L2.5,L4.0
2525M16	●	●	25	25	150	32	32							
3232P16			32	32	170	32	40							

BTJNR/L



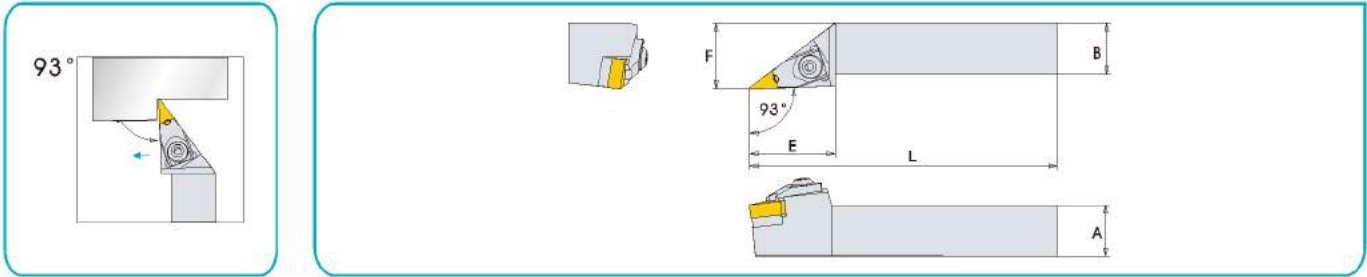
Designation	Stock		Size					Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench
	R	L	A	B	L	E	F							
BTJNR/L 1616K16	●	●	16	16	125	30	20	TN□□1604□□	MT16-S	CTM5-S	BT16-N	BCS06	CR05	L2.5,L3.0
2020K16	●	●	20	20	125	32	25				BT16	BCS08	CR07	L2.5,L4.0
2525M16	●	●	25	25	150	32	32							
3232P16	●	●	32	32	170	32	40							

BTQNR/L



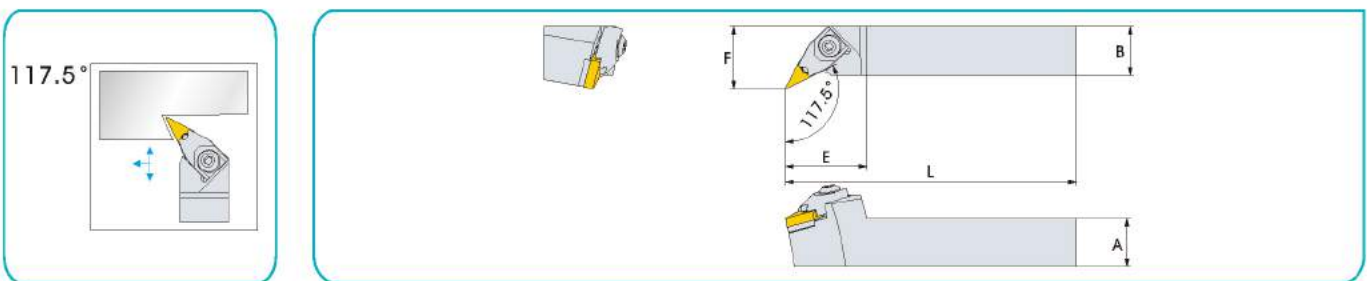
型号 Designation	库存 Stock		尺寸 Size					刀片 Inserts	刀垫 Shim	销钉 Pin	压板 Clamp	螺钉 Screw	塞环 Slopper ring	扳手 Wrench
	R	L	A	B	L	E	F							
BTQNR/L 2020K16	●	●	20	20	125	32	25	TN□□1604□□	MT16-S	CTM5-S	BT16	BCS08	CR07	L2.5,L4.0
2525M16	●	●	25	25	150	32	32							
3232P16	●	●	32	32	170	32	40							

BVJNR/L



Designation	Stock		Size				Inserts							
	R	L	A	B	L	E								F
BVJNR/L 2020K16	●	●	20	20	125	45	25	VN□□1604□□	MV1603	CTM5-S	BV16	BCS06	CR05	L2.5,L3.0
2525M16	●	●	25	25	150	45	32							
3232P16	●	●	32	32	170	45	40							

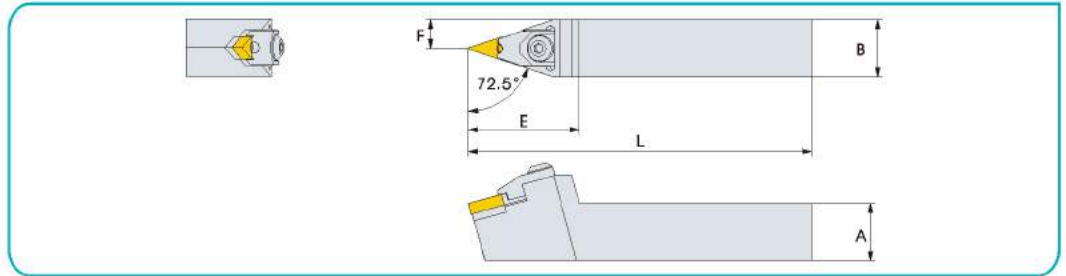
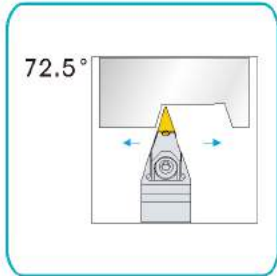
BVQNR/L



Designation	Stock		Size				Inserts							
	R	L	A	B	L	E								F
BVQNR/L 2020K16	●	●	20	20	125	42	25	VN□□1604□□	MV1603	CTM5-S	BV16	BCS06	CR05	L2.5,L3.0
2525M16	●	●	25	25	150	42	32							
3232P16			32	32	170	42	40							



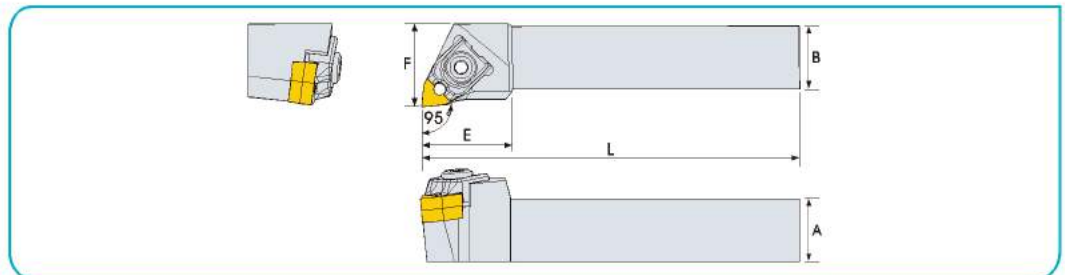
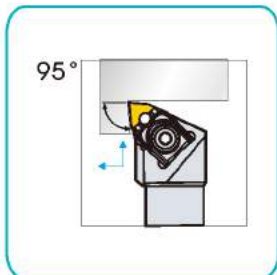
BVVNN



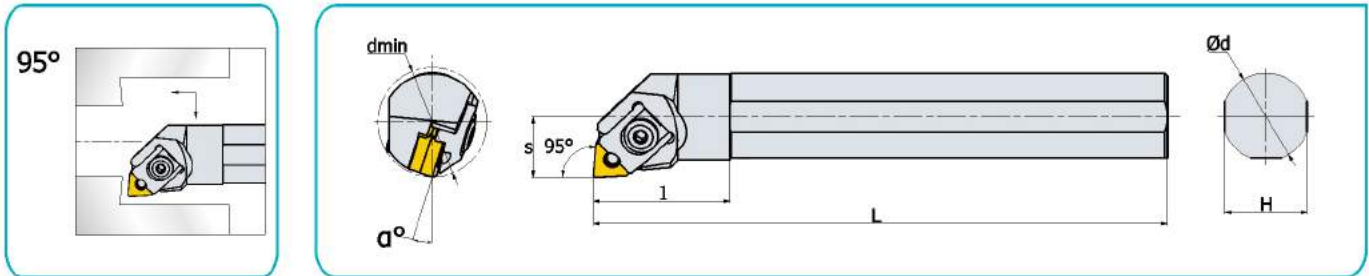
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	R	L	A	B	L	E								F
BVVNN 2020K16	●	●	20	20	125	48	10	VN□□1604□□	MV1603	CTM5-S	BV16	BCS06	CR05	L2.5,L3.0
2525M16	●	●	25	25	150	48	12.5							
3232P16			32	32	170	48	16							








BWLNR/L

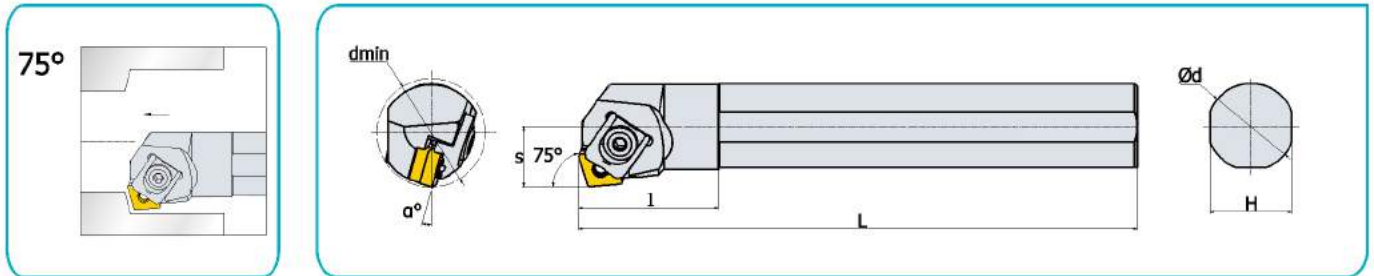


Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench	
	R	L	A	B	L	E								F
BWLNR/L 1616H06	●	●	16	16	100	32	20	WN□□0604□□	MW0603	CTM5-S	BW06	BCS06	CR05	L2.5,L3.0
2020K06	●	●	20	20	125	32	25							
2525M06	●	●	25	25	150	32	32							
3232P06	●	●	32	32	170	32	40							
2020K08	●	●	20	20	125	32	25	WN□□0804□□	WW0804	CTM6-S	BW08	BCS08	CR07	L3.0,L4.0
2525M08	●	●	25	25	150	32	32							
3232P08	●	●	32	32	170	32	40							


BCLN95°


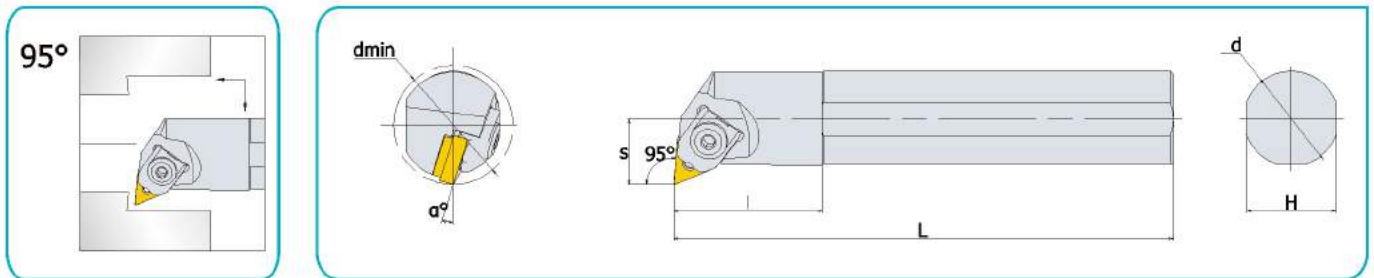
Designation	Stock		Size					Inserts	 Shim	 Pin	 Clamp	 Screw	 Slopperring	 Wrench
	R	L	dmin	d	l	L	S							
S32S-BCLNR/L12	●	●	40	32	22	250	14	CN□□1204□□	Mc1204	CTM6-S	BC12	BCS08	CR07	L3.0,L4.0
S32U-BCLNR/L12	●	●	40	323	22	350	14							
S40T-BCLNR/L12	●	●	40	40	27	300	12							
S40W-BCLNR/L12			40	40	27	450	12							
S50U-BCLNR/L12			40	50	35	350	12							
S50Y-BCLNR/L12			40	50	35	500	12							

BCKN75°



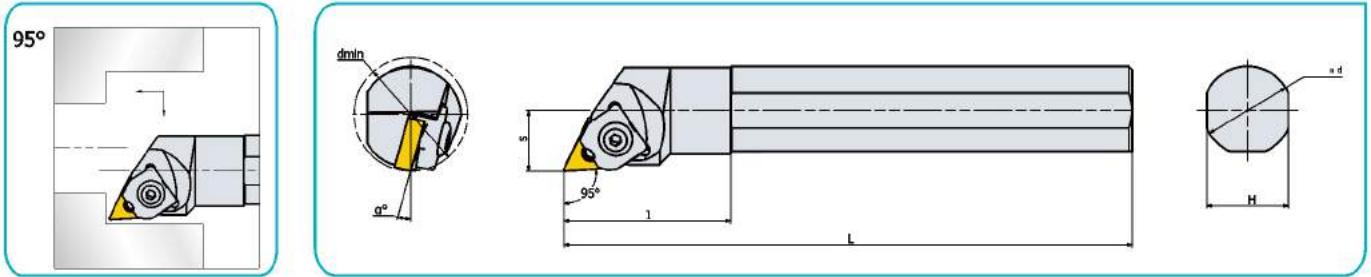
Designation	Stock		Size					Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench
	R	L	dmin	d	l	L	S							
S32S-BCKNR/L12			40	32	22	250	14							
S40T-BCKNR/L12			50	40	27	300	12	CN□□1204□□	MC1204	CTMB-S	CN12-100	BCS08	CR07	L3.0 L4.0
S50U-BCKNR/L12			63	50	35	350	12							

BTUN93°



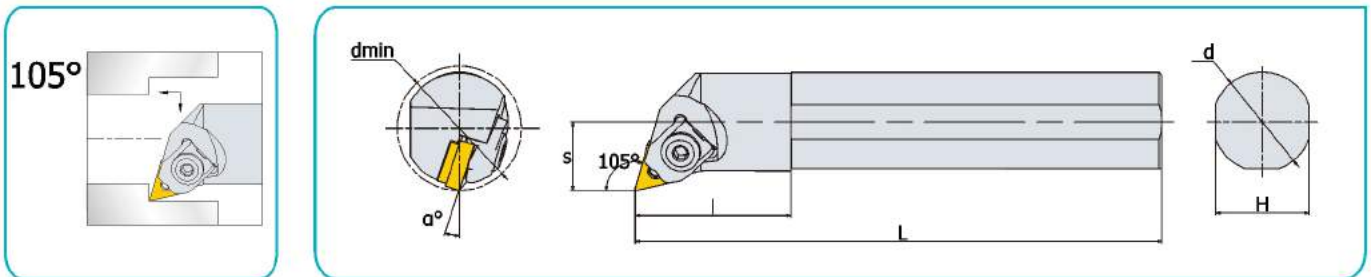
Designation	Stock		Size					Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench
	R	L	dmin	d	l	L	S							
S25R-BTUNR/L16			32	25	17	200	12							
S25T-BTUNR/L16			32	25	17	300	12		-	CTM5-11	BT16-N	BCS06	CR05	L2.5 L3.0
S32S-BTUNR/L16			40	32	22	250	10							
S32U-BTUNR/L16			40	32	22	350	10							
S40T-BTUNR/L16			50	40	27	300	10	TN□□1604□□						
S40W-BTUNR/L16			50	40	27	450	10		MT16-S	CTM5-S	BT16	BCS08	CR07	L2.5 L4.0
S50U-BTUNR/L16			63	50	35	350	8							
S50Y-BTUNR/L16			63	50	35	500	8							

BTLN95°



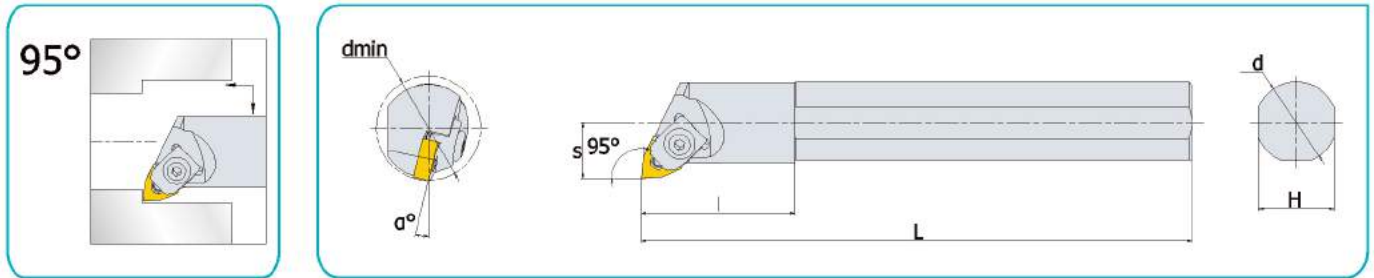
Designation	Stock		Size					Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench
	R	L	d _{min}	d	l	L	S							
S20R-BTLNR/L16			25	20	13	200	17	TN□□1604□□	-	CTM5-11	BT16-N	BCS06	CR05	L2.5 L3.0
S25R-BTLNR/L16			32	25	17	200	12							

BTQN105°



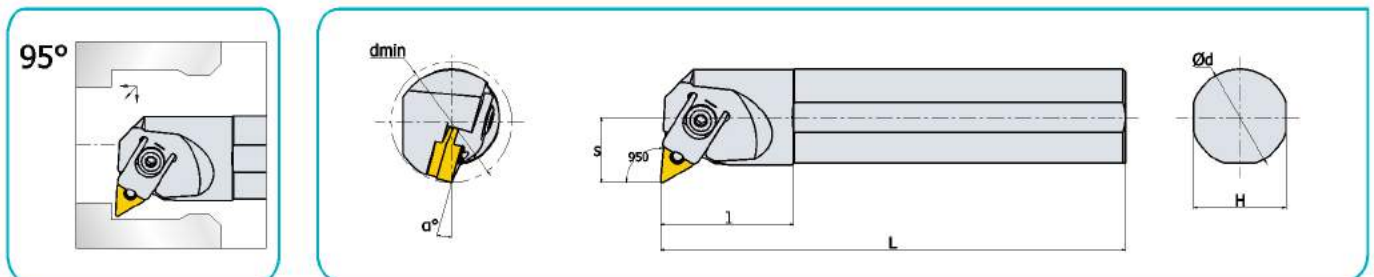
Designation	Stock		Size					Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench
	R	L	d _{min}	d	l	L	S							
S20R-BTQNR/L12			25	20	13	200	17	TN□□1604□□	-	CTM5-11	BT16-N	BCS06	CR05	L2.5 L3.0
S25R-BTQNR/L12			32	25	17	200	12							
S32S-BTQNR/L12			40	32	22	250	10	MT16-S	CTM5-S	BT16	BCS08	CR07	L2.5 L4.0	
S40T-BTQNR/L12			50	40	27	300	10							
S50U-BTQNR/L12			63	50	35	350	8							

BWLN95°



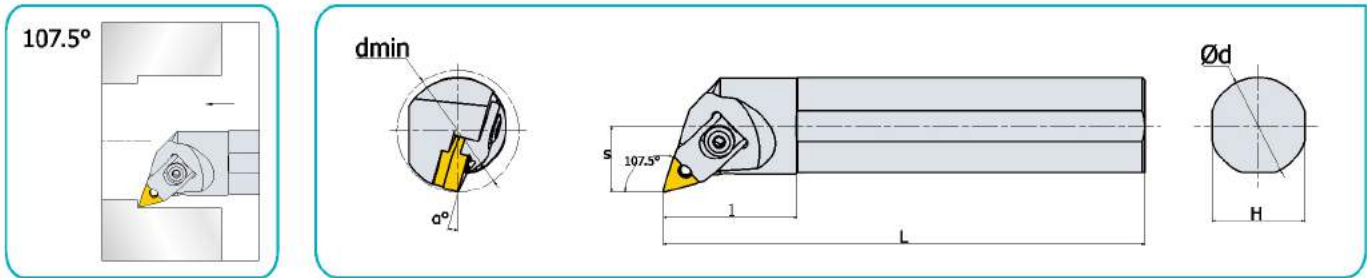
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench	
	R	L	dmin	d	l	L								S
S20R-BWLN/L06			25	20	13	200	17	WN□□0604□□	-	CTM5-11	BW06	BCS06	CR05	L2.5 L3.0
S25R-BWLN/L06			32	25	17	200	14							
S25R-BWLN/L08			32	25	17	200	14	WN□□0804□□	-	CTM6-N	BW08N	BCS06	CR05	L2.5 L3.0
S25T-BWLN/L08			32	25	17	300	14							
S32S-BWLN/L08			40	32	22	250	14	WN□□0804□□	WW0804	CTM6-S	BW08	BCS08	CR07	L2.5 L4.0
S32U-BWLN/L08			40	32	22	350	14							
S40T-BWLN/L08			50	40	27	300	12							
S40V-BWLN/L08			50	40	27	400	12							
S50U-BWLN/L08			63	50	35	350	12							
S50Y-BWLN/L08			63	50	35	500	12							

BDUN93°



Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench	
	R	L	dmin	d	l	L								S
S40T-BDUNR/L15			50	40	27	300	10	DN□□1504□□	MD1506	CTM6-L	BD15	BCS08	CR07	L3.0 L4.0
S50U-BDUNR/L15			63	50	35	350	10							
S40T-BDUNR/L15			50	40	27	300	10	DN□□1506□□	MD1504					
S50U-BDUNR/L15			63	50	35	350	10							

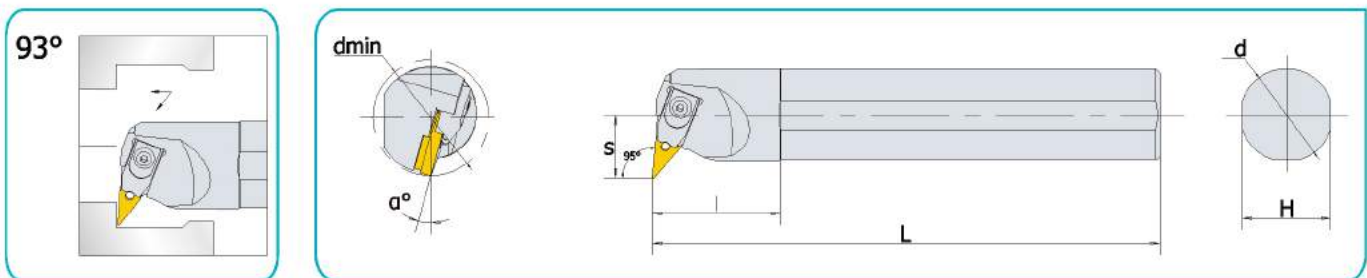
BDQN107.5°



dmin d l L S

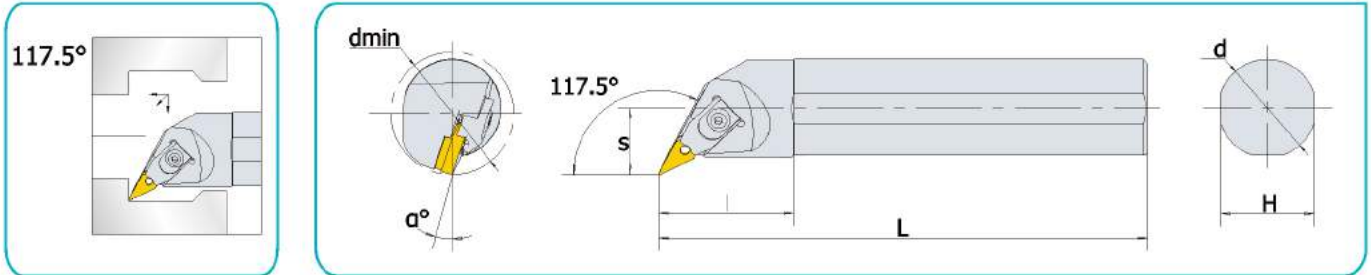
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench
	R	L	dmin	d	l	L							
S40T-BDQNR/L15			50	40	27	300	10	DN□□1504□□ MD1506	CTM6-L	Bd15	BCS08	CR07	L3.0 L4.0
S50U-BDQNR/L15			63	50	35	350	10						
S40T-BDQNR/L15			50	40	27	300	10	DN□□1506□□ MD1504					
S50U-BDQNR/L15			63	50	35	350	10						

BVUN93°



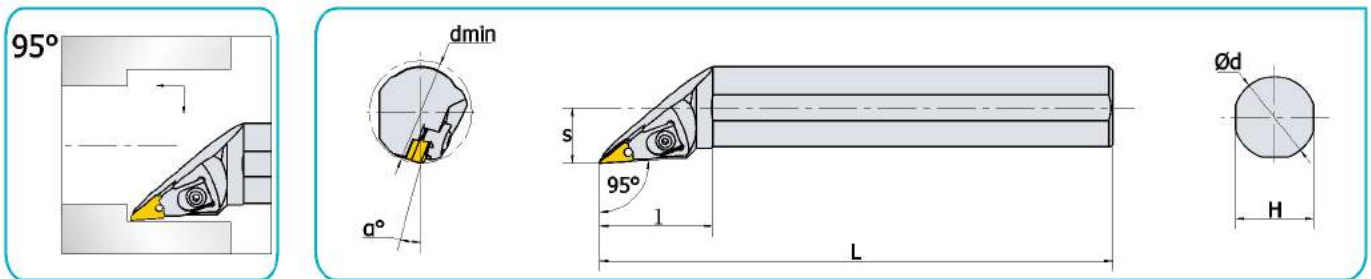
Designation	Stock		Size				Inserts	Shim	Pin	Clamp	Screw	Slopper ring	Wrench
	R	L	dmin	d	l	L							
S40T-BVUNR/L16			50	40	26	300	15	VN□□1604□□ MV1603	CTM5-S	BV16	BCS06	Cr05	L2.5 L3.0
S50U-BVUNR/L16			63	50	32	350	12						

BVQN117.5°



Designation	Stock		Size					Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench
	R	L	dmin	d	I	L	S							
S40T-BVQNR/L16			50	40	26	300	15	VN□□1604□□	MV1603	CTM5-S	BV16	BCS06	CR05	L2.5 L3.0
S50U-BVQNR/L16			63	50	32	350	12							

BVLN95°



Designation	Stock		Size					Inserts	Shim	Pin	Clamp	Screw	Slopperring	Wrench
	R	L	dmin	d	I	L	S							
S40T-BVLNR/L16			50	40	26	300	15	VN□□1604□□	Mv1603	CTM5-S	BV16	BCS06	CR05	L2.5 L3.0
S50U-BVLNR/L16			63	50	32	350	12							

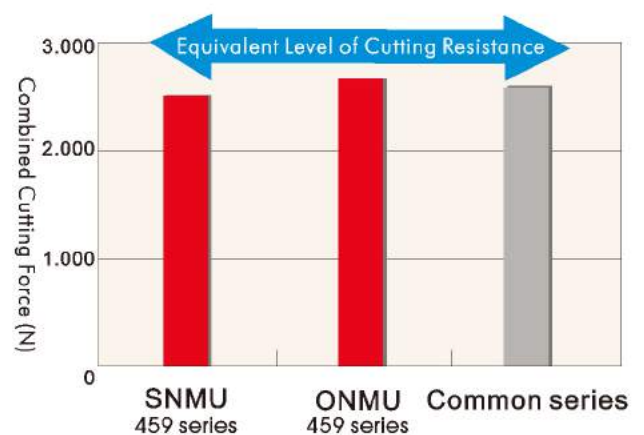
Features of 459 series universal milling cutter

- 459 series universal milling cutter employs double-sided inserts SNMU with 8 corners, it also can employ double-sided inserts ONMU with 16 corners.
- This is general-purpose cutter featuring high cutting edge strength for high efficiency milling.
- Compared with single-sided inserts type, has the same cutting performance and superior economy.
- Achieves level of cutting edge sharpness and machined surface quality equivalent to single-sided cutter at a maximum cutting depth of $a_p=3\text{mm}$ or shallower.

Recommended conditions for general steel



Cutting Resistance Comparison



- Two types of inserts can be used with a single body depending on milling application to help reduce tool costs.
- 459 series universal milling cutter has strong construction which can process finish milling and rough milling both, achieve to high-efficient production.

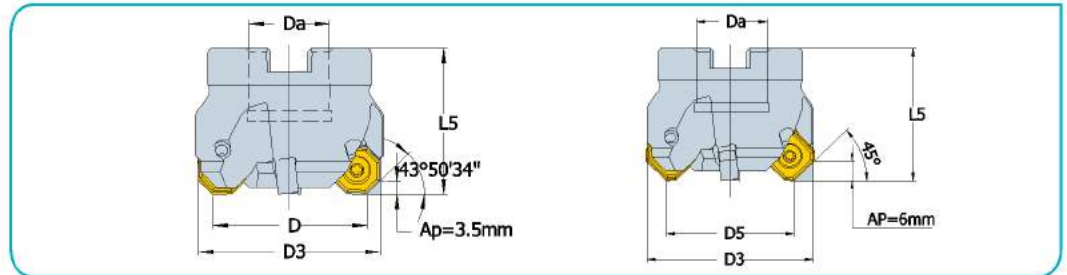
According to the process application can be used 2 types inserts



The diameter range for the milling cutter is 40-315mm



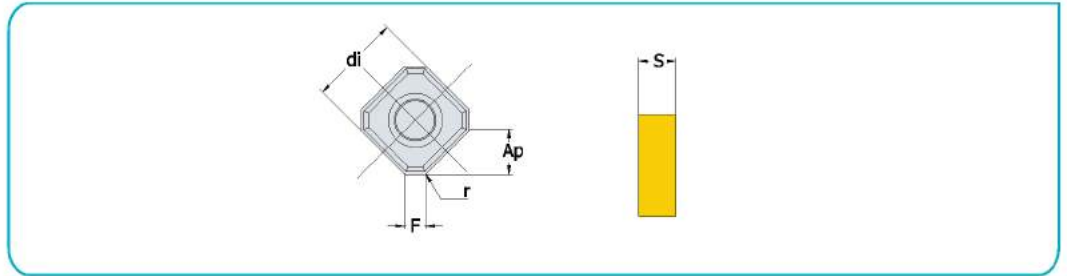
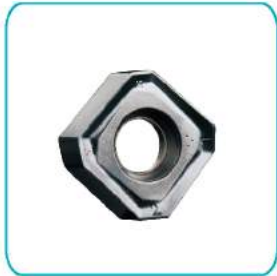
459 SERIES



Group	Designation	D	D5	D3	Z	L	L5	Da	Kg
312.459	040A04RS45SOFB	40	37.65	50.4	4	40	41.2	16	0.39
	050A04RS45SOFB	50	47.65	60.4	4	40	41.2	22	0.46
	050A06RS45SOFM	50	47.65	60.4	6	40	41.2	22	0.46
	063A06RS45SOFB	63	60.65	73.4	6	40	41.2	22	0.72
	063A08RS45SOFM	63	60.65	73.4	8	40	41.2	22	0.72
	080A07RS45SOFB	80	77.65	90.4	7	50	51.2	27	1.09
	080A10RS45SOFM	80	77.65	90.4	10	50	51.2	27	1.09
	100B08RS45SOFB	100	97.65	110.4	8	50	51.2	32	1.62
	100B12RS45SOFM	100	97.65	110.4	12	50	51.2	32	1.62
	125B10RS45SOFB	125	122.65	135.6	10	63	64.2	40	2.80
	125B16RS45SOFM	125	122.65	135.6	16	63	64.2	40	2.80
	160B12RS45SOFB	160	157.65	170.4	12	63	64.2	40	4.16
	200C14RS45SOFB	200	197.65	210.4	14	63	64.2	60	5.85
	250C16RS45SOFB	250	247.65	260.4	16	63	64.2	60	8.56
	315D20RS45SOFB	315	312.65	325.4	20	63	64.2	60	14.43



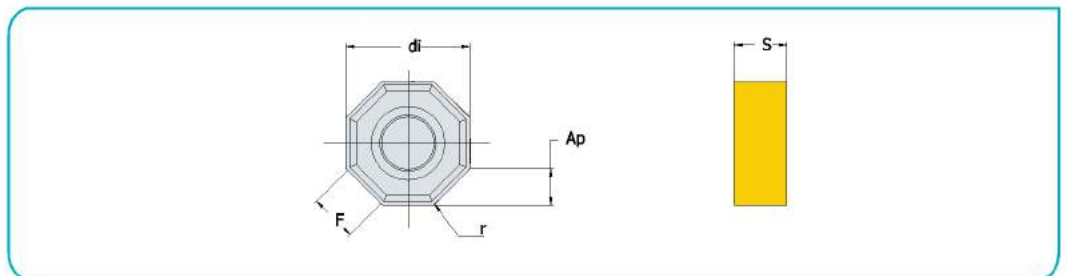
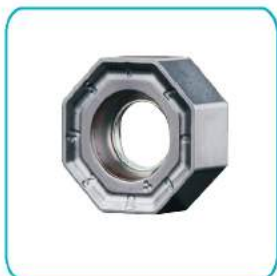
459 SERIES



Designation	d1	ap	S	F	r	HC905	HC915
SNMU150515-T	13	6	6.2	3	0.5		●



459 SERIES

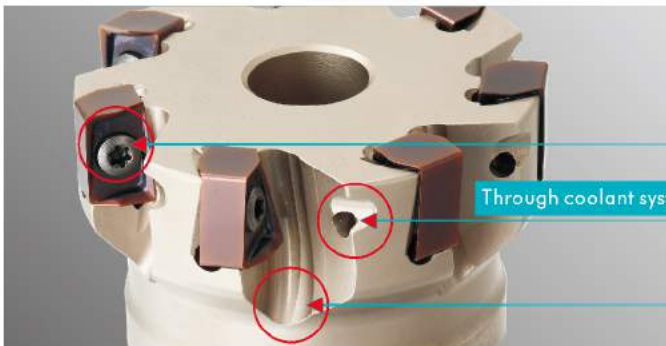


Designation	d1	ap	S	F	r	HC905	HC915
ONMU060506-T	13	3.5	5.5	5	0.5		●

Features of the 458 series double-sided helical edges milling cutters

- New 458 series milling cutter as a multi functional milling tool, offers economical 4 helical corners by using innovative double sided.
- Dovetail pocket utilizes very rigid clamping
- Thick insert design can ensure the maximum cutting depth is more than 10mm
- Special designed chip breaker consists of high rake angle and strong cutting edge to decrease the cutting load.
- New 458 series milling cutter can cover facing, side cutting, shouldering, slotting, ramping & helical cutting.

200% MORE PRODUCTIVITY



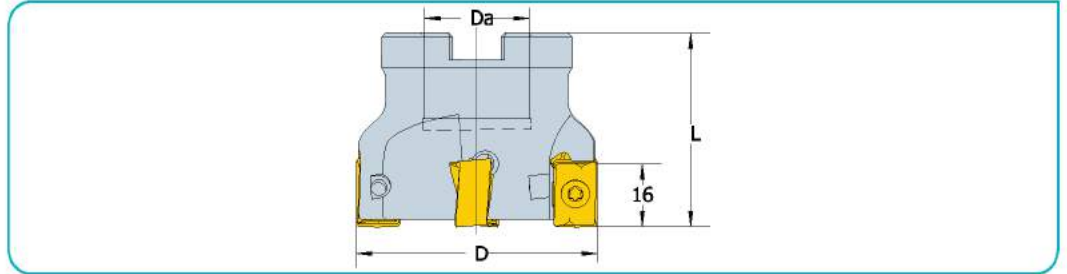
Simple screw on system

Through coolant system longer tool life due to direct cooling injection into the cutting edge of insert

Wide chip pocket for better chip evacuation



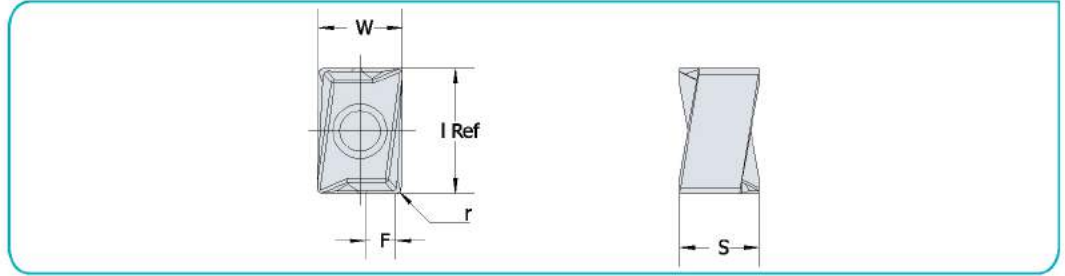
458 SERIES



Group	Designation	D	Da	Z	L	AP	Kg	Available Insert
312.458	040A03RS90AN17B	40	16	3	40	16.25	0.20	ANKX1706□□ ANCX1706□□
	050A03RS90AN17B	50	22	3	40		0.45	
	050A04RS90AN17M	50	22	4	40		0.45	
	063A04RS90AN17B	63	22	4	50		0.25	
	063A06RS90AN17M	63	22	6	50		0.25	
	080A05RS90AN17B	80	27	5	50		0.80	
	080A07RS90AN17M	80	27	7	50		0.80	
	100B05RS90AN17B	100	32	5	50		1.40	
	100B08RS90AN17M	100	32	8	50		1.50	
	125B07RS90AN17B	125	40	7	63		2.20	
	125B10RS90AN17M	125	40	10	63		2.40	
	160C08RS90AN17B	160	40	8	63		3.60	
	160C12RS90AN17M	160	40	12	63		4.10	
	200C10RS90AN17B	200	60	10	63		6.70	
	250C12RS90AN17B	250	60	12	63		9.30	
315D16RS90AN17B	315	60	16	63	17.00			



458 SERIES



Designation	W	I	F	r	S	HC905	HC915
ANKX170604PNTR	11.2	16.7	4.7	0.4	10.4		
ANKX170608PNTR	11.2	16.7	4.7	0.8	10.4		●



Milling Grades

HC905	M05-M15	High speed cutting for stainless steel
	S05-S15	High speed cutting for high temperature alloy, abrasion resistance is good
HC915	P15-P35	Low speed rough cutting for steel & alloy steel
	M10-M30	High toughness, semi-finishing & semi-roughing cutting for stainless steel
	K10-K30	semi-finishing & semi-roughing cutting for nodular cast iron & grey cast iron
	S15-S25	Middle & low speed cutting for high temperature alloy during low feed; High toughness is suitable for interrupted cutting

Notepad



海纳精密切削科技股份有限公司

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Hai na now!