

PNR..

Lever locking type

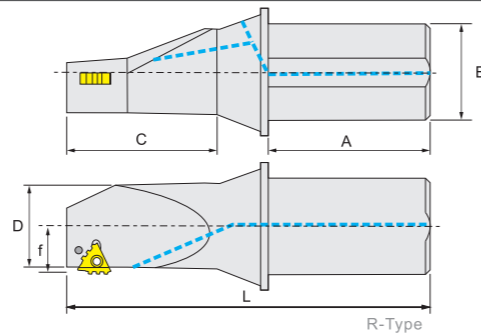
Petroleum pipe internal thread processing



(Inserts): A63-A64/B77

(Toolholder Parts): P01-P04

Note: E is the tool helix angle



Ordering code	Dimensions							Processing Range	Insert	Shim	Stock		Order Number
	L	f	A	B	C	D	E				R	L	
PNR 0040-205-B17A	205	26	80	40	100	42	70°	2-3/8"~3-1/2"	22IR10RD2-4 22IR8RD2-3 22IR5BU2-2	BN17	o	o	231630
0050-220-B17A	220	26	90	50	105	42	70°				o	o	231631
0060-225-B17A	225	26	100	60	100	42	70°				o	o	231632
0080-280-B17A	280	26	150	80	105	42	70°				o	o	231633
0040-235-B17B	235	31	80	40	130	50	50°				o	o	231634
0050-273-B17B	273	36	90	50	158	56	50°				o	o	231635
0060-273-B17B	273	36	90	60	158	56	50°				o	o	231636
0080-300-B17B	300	36	140	80	158	56	50°				o	o	231637
0060-278-B17C	278	36	100	60	158	56	30°				o	o	231638
0080-318-B17C	318	36	140	80	158	56	30°				o	o	231639
0060-295-B17D	295	43	100	60	175	60	15°				o	o	231640
0080-335-B17D	335	43	140	80	175	60	15°				o	o	231641
PNR 0050-273-B23B	273	36	90	50	158	56	50°	4"~5-1/2"	27IR5BU2-3 27IR8RD2-5	BN23	o	o	231642
0060-273-B23B	255	36	90	60	158	56	50°				o	o	231643
0080-300-B23B	300	36	140	80	158	56	50°				o	o	231644
0060-278-B23C	278	36	100	60	158	56	30°				o	o	231645
0080-318-B23C	318	36	140	80	158	56	30°				o	o	231646
0060-295-B23D	295	43	100	60	175	60	15°				o	o	231647
0080-335-B23D	335	43	140	80	175	60	15°				o	o	231648

TNR..

Clamp locking type

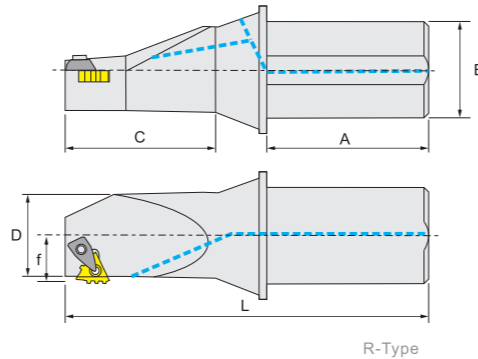
Petroleum pipe internal thread processing



(Inserts): A63-A64/B77

(Toolholder Parts): P01-P04

Note: E is the tool helix angle



Ordering code	Dimensions							Processing Range	Insert	Shim	Stock		Order Number
	L	f	A	B	C	D	E				R	L	
TNR 0040-205-B17A	205	26	80	40	100	42	70°	2-3/8"~3-1/2"	22IR10RD2-4 22IR8RD2-3 22IR5BU2-2	TN17	o	o	231649
0050-220-B17A	220	26	90	50	105	42	70°				o	o	231650
0060-225-B17A	225	26	100	60	100	42	70°				o	o	231651
0080-280-B17A	280	26	150	80	105	42	70°				o	o	231652
0040-235-B17B	235	31	80	40	130	50	50°				o	o	231653
0050-273-B17B	273	36	90	50	158	56	50°				o	o	231654
0060-273-B17B	273	36	90	60	158	56	50°				o	o	231655
0080-300-B17B	300	36	140	80	158	56	50°				o	o	231656
0060-278-B17C	278	36	100	60	158	56	30°				o	o	231657
0080-318-B17C	318	36	140	80	158	56	30°				o	o	231658
0060-295-B17D	295	43	100	60	175	60	15°				o	o	231659
0080-335-B17D	335	43	140	80	175	60	15°				o	o	231660
TNR 0050-273-B23B	273	36	90	50	158	56	50°	4"~5-1/2"	27IR5BU2-3 27IR8RD2-5	TN23	o	o	231661
0060-273-B23B	255	36	90	60	158	56	50°				o	o	231662
0080-300-B23B	300	36	140	80	158	56	50°				o	o	231663
0060-278-B23C	278	36	100	60	158	56	30°				o	o	231664
0080-318-B23C	318	36	140	80	158	56	30°				o	o	231665
0060-295-B23D	295	43	100	60	175	60	15°				o	o	231666
0080-335-B23D	335	43	140	80	175	60	15°				o	o	231667

PNR..

Lever locking type

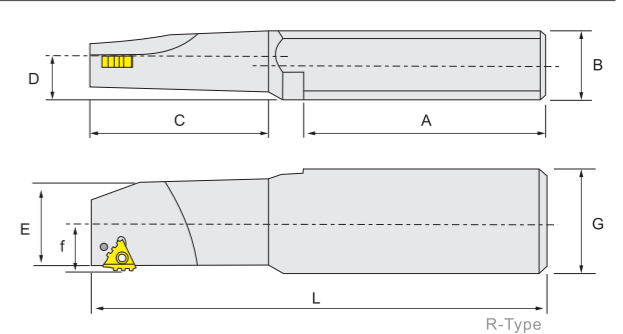
Petroleum pipe internal thread processing



(Inserts): A63-A64/B77

(Toolholder Parts): P01-P04

Note: E is the tool helix angle



Ordering code	Dimensions								Processing Range	Insert	Shim	Stock		Order Number			
	L	f	A	B	C	D	E	G				R	L				
PNR 2538-285-B17A	285	26	160	38	105	25	70°	62	2-3/8"~3-1/2"	22IR10RD2-4 22IR8RD2-3 22IR5BU2-2	BN17	o	o	231668			
3249-285-B17A	285	26	160	49	105	32	70°	62				o	o	231669			
3249-335-B17B	335	31	180	49	130	32	50°	74.3				o	o	231670			
3655-335-B17B	335	31	180	55	130	36	50°	77.2				o	o	231671			
3249-363-B17C	363	36	180	49	158	32	30°	74.3				o	o	231672			
3655-378-B17C	378	36	200	55	163	36	30°	82				o	o	231673			
3249-400-B17D	400	52	280	49	158	32	30°	74.3				o	o	231674			
4055-400-B17D	400	52	200	55	163	40	15°	82				o	o	231675			
PNR 3249-335-B23B	335	31	180	49	130	32	50°	74.3				4"~5-1/2"	27IR5BU2-3 27IR8RD2-5	BN23	o	o	231676
3655-335-B23B	335	31	180	55	130	36	50°	77.2							o	o	231677
3249-363-B23C	363	36	180	49	158	32	30°	74.3							o	o	231678
3655-378-B23C	378	36	200	55	163	36	30°	82							o	o	231679
3249-400-B23D	400	52	280	49	158	32	30°	74.3	o	o	231680						
4055-400-B23D	400	52	200	55	163	40	15°	82	o	o	231681						

TNR..

Clamp locking type

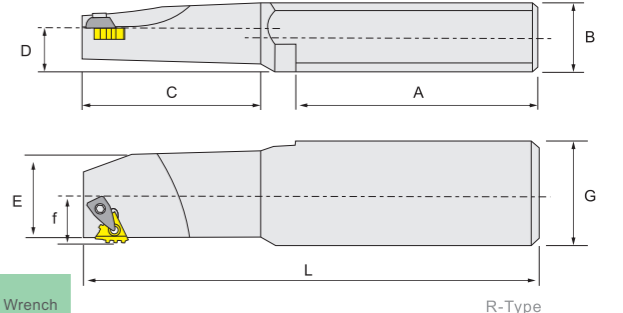
Petroleum pipe internal thread processing



(Inserts): A63-A64/B77

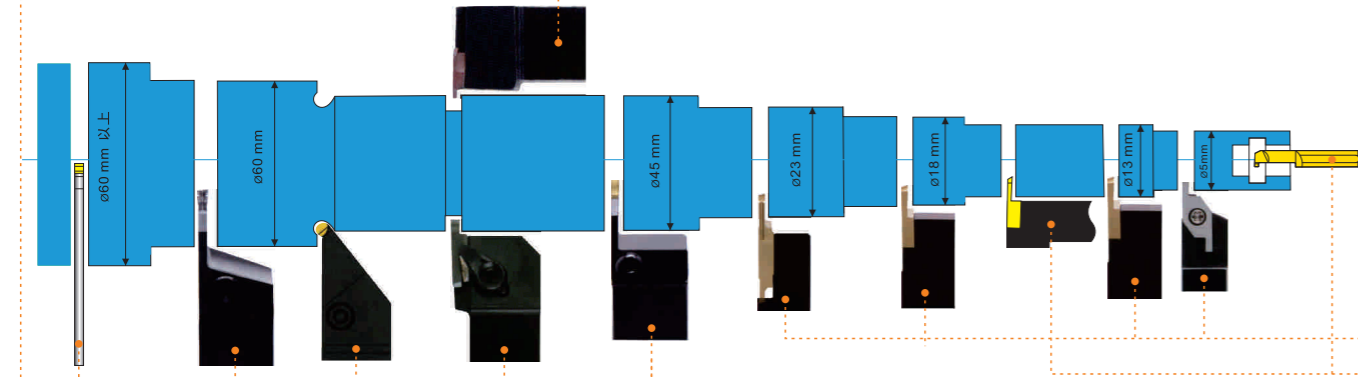
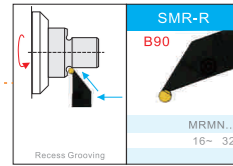
(Toolholder Parts): P01-P04

Note: E is the tool helix angle



Ordering code	Dimensions								Processing Range	Insert	Shim	Stock		Order Number			
	L	f	A	B	C	D	E	G				R	L				
TNR 2538-285-B17A	285	26	160	38	105	25	70°	62	2-3/8"~3-1/2"	22IR10RD2-4 22IR8RD2-3 22IR5BU2-2	TN17	o	o	231681			
3249-285-B17A	285	26	160	49	105	32	70°	62				o	o	231682			
3249-335-B17B	335	31	180	49	130	32	50°	74.3				o	o	231683			
3655-335-B17B	335	31	180	55	130	36	50°	77.2				o	o	231684			
3249-363-B17C	363	36	180	49	158	32	30°	74.3				o	o	231685			
3655-378-B17C	378	36	200	55	163	36	30°	82				o	o	231686			
3249-400-B17D	400	52	280	49	158	32	30°	74.3				o	o	231687			
4055-400-B17D	400	52	200	55	163	40	15°	82				o	o	231688			
TNR 3249-335-B23B	335	31	180	49	130	32	50°	74.3				4"~5-1/2"	27IR5BU2-3 27IR8RD2-5	TN23	o	o	231689
3655-335-B23B	335	31	180	55	130	36	50°	77.2							o	o	231690
3249-363-B23C	363	36	180	49	158	32	30°	74.3							o	o	231691
3655-378-B23C	378	36	200	55	163	36	30°	82							o	o	231692
3249-400-B23D	400	52	280	49	158	32	30°	74.3	o	o	231693						
4055-400-B23D	400	52	200	55	163	40	15°	82	o	o	231694						

Grooving / Cut-off Turning System



	MGEHR B88 MGMN. Ø10-Ø32	T-MGEHR B88 MGMN. Ø10-Ø32	MGEHR-R B90 MGMN. Ø10-Ø32	KGMR B84 GM. Ø8-Ø32	T-KGMR B94 GM. Ø8-Ø32
	TTER B91 TD. Ø10-Ø40	QE..R B96 Z. Ø16-Ø32	DGHR B97 DGM/J. Ø16-Ø32	GYHR B97 GY2M. Ø16-Ø32	CGWSR B98 WGE. Ø16-Ø32
	T-CGWSR B98 WGE. Ø16-Ø32	RF123 B99 N123. Ø10-Ø25	A4SMR B100 A4G. Ø20-Ø32	DGTR B101 DGN. Ø10-Ø25	GNDLR B102 GCMN. Ø20-Ø32

	CSV AB02 CSV. Ø7-Ø12	CTP(A)R AB20 CTP. Ø8-Ø25	CTPWR AB20 CTPW. Ø10-Ø25	CTPL-SUB AB20 CTP. 8-16	CTPR-SUB AB20 CTP. Ø8-Ø12	KTKFR AB25 TKF. Ø8-Ø16
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	ZQ..R B83 SP. Ø16-Ø32	BZQ..R B84 ZQM. Ø16-Ø32	KTKHR B85 TKN. Ø10-Ø25	UGHR B85 KGT. Ø16-Ø25	CTWR B85 CTD. Ø20-Ø25	CGSSR B85 GE. Ø16-Ø25
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	SPB B86 SP. Ø26-Ø32	UGHN B86 KGT. Ø26-Ø32	KTKB B86 TKN. Ø26-Ø32	SCTH B86 CTD. Ø26-Ø32	SLTBN B86 Ø16-Ø32
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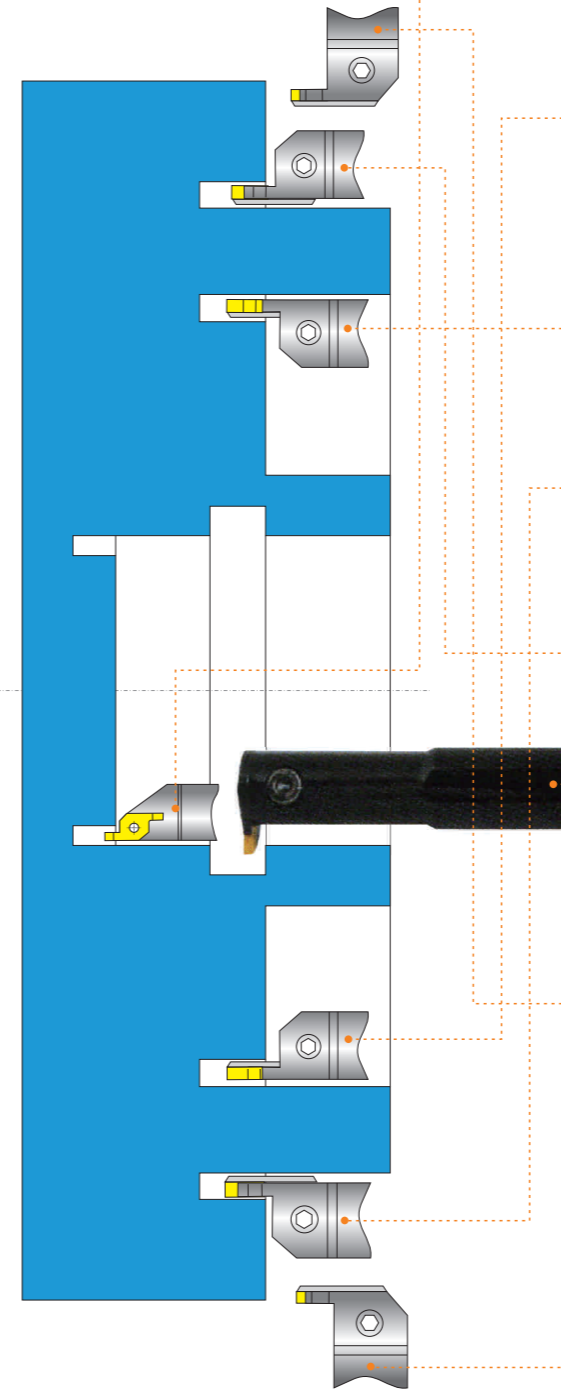
	DS-KTGFL AB06 TGF. Ø14-Ø25	DS-KTKFL AB05 TKF. Ø19-Ø25	CH-GTTL AB07 GTM. Ø10-Ø12	CTPSL AB20 CTP. Ø10-Ø20	KTKFSL AB25 TKF. Ø10-Ø20
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	SBWR AB29 Ø4-Ø8	SBKR AB29 Ø4-Ø8
	SBDR AB29 93° 44° Ø4-Ø8	SBCR AB29 45° 45° Ø4-Ø8

	CGBR B104 GBA. Ø16-Ø25	SGBR B104 GBA. Ø16-Ø25	MGHR B106 MGTR. Ø20-Ø25	GWCR B106 TGAR. Ø10-Ø25
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	PCHR B110 PENT. Ø16-Ø25	KTGFR B108 TGF. Ø8-Ø25	CTGFR B109 TGF. Ø8-Ø25	GTR B109 GTM. Ø8-Ø25	JSTGR B109 JTG. Ø10-Ø16
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End Face Grooving Turning System



	STFPR B117 TP. Ø20-Ø25	CBSNR B117 SNMF. Ø20-Ø25	C.Q.DR B95 ZR. Ø40-Ø50
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	SMFR AB29 Ø6-Ø10	SMVR AB29 CSV. Ø6-Ø10	SGIEFR B116 VC. Ø20-Ø25	SGIVFR B118 VC. Ø16-Ø25	T-SGIVFR B118 VC. Ø10-Ø25	MFHR B118 MGMN. Ø16-Ø40
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	MGHR..R B129 MGMN. Ø20-Ø25	MGFHR B121 MFMN. Ø20-Ø25
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	MGHR..L B130 MGMN. Ø20-Ø25	MGFHL B121 MFMN. Ø20-Ø25
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	MGHR..R B127 MGMN. Ø20-Ø25	MGFHL B122 MFMN. Ø20-Ø25	FGHR..R B119 FMM. Ø20-Ø25	QF..L B123 Z. Ø20-Ø25	SEGL B116 GER. Ø10-Ø32	SMFL AB29 GER. Ø6-Ø10
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	MGHR..L B128 MGMN. Ø20-Ø25	MGFHL B122 MFMN. Ø20-Ø25	FGHR..L B119 FMM. Ø20-Ø25	QF..R B123 Z. Ø20-Ø25	SSACN B117 SC. Ø20-Ø25	SSACN B117 SC. Ø20-Ø25
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	MGVR..R B125 MGMN. Ø20-Ø25	MGVLR B122 MFMN. Ø20-Ø25	FGVR..R B120 FMM. Ø20-Ø25
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	MGVR..L B126 MGMN. Ø20-Ø25	MGVLR B122 MFMN. Ø20-Ø25	FGVR..L B120 FMM. Ø20-Ø25
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	MGIVR B89 MGMN. Ø16-Ø40	T-MGIVR B89 MGMN. Ø16-Ø40	KIGMR B93 GMM. Ø16-Ø32	TTIR B92 TD. Ø16-Ø40
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	C-QE..R B96 Z. Ø20-Ø40	S-SGBR B105 GBA. Ø16-Ø32	SIGER B112 GER. Ø6-Ø32	T-SIGER B112 GER. Ø6-Ø32
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	SNGR B113 GR. Ø6-Ø20	T-SNGR B113 GR. Ø6-Ø20	S-KTGR B108 TGF. Ø16-Ø32	T-KTGR B108 TGF. Ø16-Ø25
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SP

Application		Cutting Environment		Stable Cutting		General Cutting		Unstable Cutting	
P	Steel	●	●	●	●	●	●	●	●
M	Stainless Steel	●	●	●	●	●	●	●	●
K	Iron	●	●	●	●	●	●	●	●
N	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●
S	Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●
H	Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●

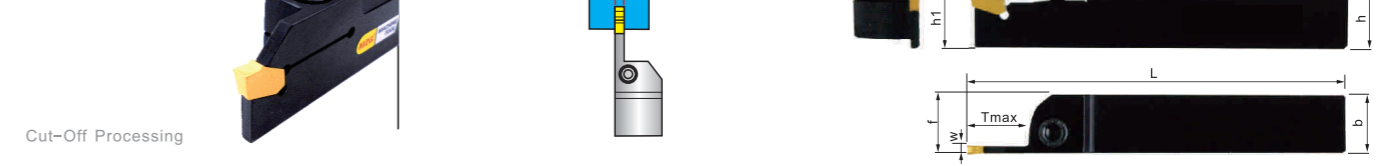
Application	Dimensioning	Product Image	Specification	Dimension							PCD	CBN-K	CBN-S	ZK00	ZK01	ZC250	ZP152	ZP153		
				W	FE	L	B	H	θ											
Cut-off Processing			SP 200	2.2	0.2	9.3	-	-	-	-	●	●	●	●	●	●	●	●	●	
			SP 300	3.1	0.2	11.3	-	-	-	-	●	●	●	●	●	●	●	●	●	●
			SP 400	4.1	0.25	11.3	-	-	-	-	●	●	●	●	●	●	●	●	●	●
			SP 500	5.1	0.3	11.4	-	-	-	-	●	●	●	●	●	●	●	●	●	●
			SP 600	6.4	0.35	11.4	-	-	-	-	●	●	●	●	●	●	●	●	●	●
Cut-off Processing			SP 200R	2.2	0.2	9.3	-	-	-	-	●	●	●	●	●	●	●	●	●	
			SP 300R	3.1	0.2	11.3	-	-	-	-	●	●	●	●	●	●	●	●	●	●
			SP 400R	4.1	0.25	11.3	-	-	-	-	●	●	●	●	●	●	●	●	●	●
			SP 500R	5.1	0.3	11.4	-	-	-	-	●	●	●	●	●	●	●	●	●	●
			SP 600R	6.4	0.35	11.4	-	-	-	-	●	●	●	●	●	●	●	●	●	●

ZQMX

Application		Cutting Environment		Stable Cutting		General Cutting		Unstable Cutting	
P	Steel	●	●	●	●	●	●	●	●
M	Stainless Steel	●	●	●	●	●	●	●	●
K	Iron	●	●	●	●	●	●	●	●
N	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●
S	Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●
H	Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●

Application	Dimensioning	Product Image	Specification	Dimension							PCD	CBN-K	CBN-S	ZK00	ZK01	ZC250	ZP152	ZP153			
				W	FE	L	B	H	θ												
Cut-off Processing			ZQMX 3N11-E	3.1	0.3	11	-	-	-	-	●	●	●	●	●	●	●	●	●	●	
			ZQMX 4N11-E	4.1	0.3	11	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●
			ZQMX 5N11-E	5.1	0.3	11	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●
			ZQMX 6N11-E	6.4	0.3	11	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●
			ZQMX 7N11-E	7.0	0.3	14	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●

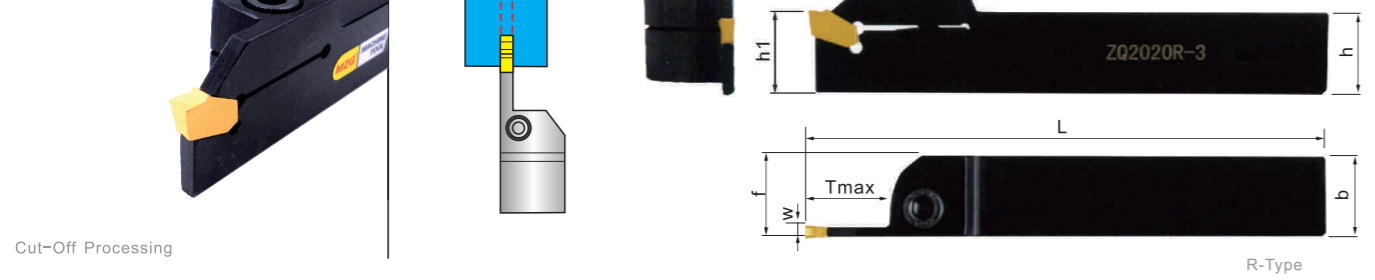
QZQ..R..



Cut-Off Processing (Inserts): A41/B84 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
QZQ 1616R/L03	3	16	16	80	16	16.4	16	ZQMX3N11-E	M5×20	L4	●	●	251800
	3	20	20	100	20	20.4	20				●	●	251802
	3	25	25	120	25	25.4	20				●	●	251804
QZQ 2525R/L03	3	25	32	135	32	25.4	25	ZQMX4N11-E	M6×25	L5	●	●	251806
	4	16	16	80	16	16.4	16				●	●	251808
QZQ 2020R/L04	4	20	20	100	20	20.4	20	ZQMX4N11-E	M5×20	L4	●	●	251810
	4	25	25	120	25	25.4	20				●	●	251812
QZQ 3225R/L04	4	25	32	135	32	25.4	25		M6×25	L5	●	●	251814

ZQ. . R



Cut-Off Processing (Inserts): A36/B83 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
ZQ 1616R/L-02	2.2	16	16	100	16	16.4	16	SP200	M5×20	L4	●	●	251100
	2.2	20	20	125	20	20.4	16				●	●	251102
	2.2	25	25	150	25	25.4	16				●	●	251104
ZQ 1616R/L-03	3.125	16	16	100	16	16.4	20	SP300	M5×20	L4	●	●	251106
	3.125	20	20	125	20	20.4	20				●	●	251108
	3.125	25	25	150	25	25.4	20				●	●	251110
ZQ 3225R/L-03	3.125	25	32	170	32	25.4	20	SP400	M6×20	L5	●	●	251112
	4.125	16	16	100	16	16.4	25				●	●	251114
ZQ 1616R/L-04	4.125	20	20	125	20	20.4	25	SP400	M6×20	L5	●	●	251116
	4.125	25	25	150	25	25.4	25				●	●	251118
	4.125	32	32	170	32	25.4	25				●	●	251120
ZQ 2525R/L-05	5.125	25	25	150	25	25.5	30	SP500	M6×20	L5	●	●	251122
	5.125	32	32	170	32	32.5	30				●	●	251124
ZQ 2525R/L-06	6.4	25	25	150	25	25.5	35	SP600	M6×20	L5	●	●	251126
	6.4	32	32	170	32	32.5	35				●	●	251128

KTKHR..

Cut-Off Processing

(Toolholder Parts): P01-P04

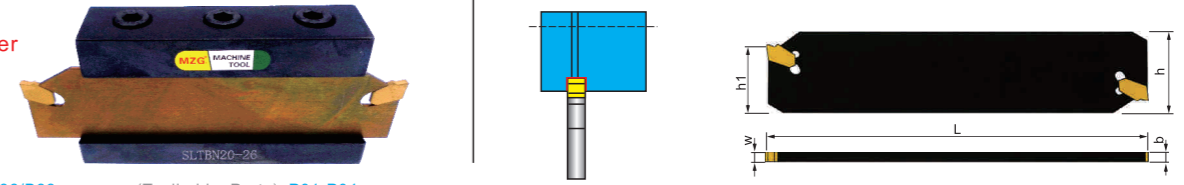


Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
KTKHR/L 1010F-2S	2.2	10	10	80	10	10	15	TKN2,TKR/L2 TKN2-P,TKR/L2-P TKN2.4,TKR/L2.4			●	●	251500
1212H-2S	2.2	12	12	100	12	12	16.5				●	●	251502
1612H-2S	2.2	12	16	100	16	16	16.5				●	●	251504
1616H-2S	2.2	16	16	100	16	16	16.5				●	●	251506
2012K-2S	2.2	12	20	125	20	20	19				●	●	251508
2020K-2S	2.2	20	20	125	20	20	19				●	●	251510
KTKHR/L 1612H-3S	3.1	12	16	100	16	16	18	TKN3,TKR/L3 TKN3-P,TKR/L3-P			●	●	251512
1616H-3S	3.1	16	16	100	16	16	18				●	●	251514
2012K-3S	3.1	12	20	125	20	20	20.5				●	●	251516
2020K-3S	3.1	20	20	125	20	20	26				●	●	251518
2525M-3S	3.1	25	25	150	25	25	26.5				●	●	251520
KTKHR/L 2012K-4S	4.1	12	20	125	20	20	22				TKN4,TKR/L4		
2020K-4S	4.1	20	20	125	20	20	31	●	●	251524			
2525M-4S	4.1	25	25	150	25	25	34	●	●	251526			
KTKHR/L 2525M-5S	5.1	25	25	150	25	25	39.5	TKN4.8,TKN5,TKR/L5			●	●	251528
Automatic Lathe With Self-locking													
KTKHR/L 1010K-2-125S	2.2	10	10	125	10	10	15	TKN2,TKR/L2			●	●	251600
1212M-2-125S	2.2	12	12	150	12	12	15	TKN2-P,TKR/L2-P			●	●	251602
1616M-2-150S	2.2	16	16	150	16	16	18	TKN2.4,TKR/L2.4			●	●	251604
KTKHR/L 1616M-3-150S	3.1	16	16	150	16	16	22.5	TKN3,TKR/L3 TKN3-P,TKR/L3-P			●	●	251606
Automatic Lathe With Screw Fastening													
KTKHR/L 0808K-1.6-125B	1.6	8	8	125	8	8	5		M4x12	T15	●	●	251700
1010K-1.6-125B	1.6	10	10	125	10	10	10				●	●	251702
1212M-1.6-150B	1.6	12	12	150	12	12	12.5				●	●	251704
1414M-1.6-150B	1.6	14	14	150	14	14	13				●	●	251706
KTKHR/L 1010K-2-125B	2.2	10	10	125	10	10	10	TKN2,TKR/L2 TKN2-P,TKR/L2-P TKN2.4,TKR/L2.4	M4x12	T15	●	●	251708
1212M-2-150B	2.2	12	12	150	12	12	12.5				●	●	251710
1616M-2-150B	2.2	16	16	150	16	16	16				●	●	251712
KTKHR/L 1616M-3-150B	3.1	16	16	150	16	16	16	TKN3,TKR/L3 TKN3-P,TKR/L3-P	M5x12	L4	●	●	251712
KTKHR/L 1616M-3-150B	3.1	16	16	150	16	16	16		M5x12	L4	●	●	251714
UGHR/L Cut-Off Processing Toolholder													
UGHR/L 1616H2	2.2	16	16	16	16	16.3	16	KGT2	M5x20	L4	●	●	251200
2020K2	2.2	20	20	20	20	20.3	21		M6x20	L5	●	●	251202
UGHR/L 1616H3	3.1	16	16	16	16	16.4	18	KGT3	M5x20	L4	●	●	251204
2020K3	3.1	20	20	20	20	20.4	29				●	●	251206
2525M3	3.1	25	25	25	25	25.4	38		M6x20	L5	●	●	251208
UGHR/L 2525M4	4.1	25	25	25	25	25.5	38				KGT4	M6x20	L5
CTWR/L Cut-Off Processing Toolholder													
CTWR/L 2020-3	3	20	20	20	20	20.25	14	CTD3	M6x20	L5	●	●	251300
2525-3	3	25	25	25	25	25.25	14				●	●	251302
CTWR/L 2020-4	4	20	20	20	20	20.25	14	CTD4	M6x20	L5	●	●	251304
2525-4	4	25	25	25	25	25.25	14				●	●	251306
CTWR/L 2525-5	5	25	25	25	25	25.25	20	CTD5	M6x20	L5	●	●	251308
CGSSR/L Cut-Off Processing Toolholder													
CGSSR/L 1616-30D	3	16	16	16	16	16.5	22	GE30,GE30R/L	M6x20	L5	●	●	251400
2020-30D	3	20	20	20	20	20.5	22				●	●	251402
2525-30D	3	25	25	25	25	25.5	22				●	●	251404
CGSSR/L 1616-40D	4	16	16	16	16	16.6	25	GE40,GE40R/L	M6x20	L5	●	●	251406
2020-40D	4	20	20	20	20	20.6	25				●	●	251408
2525-40D	4	25	25	25	25	25.6	25				●	●	251410
CGSSR/L 1616-50D	5	16	16	16	16	16.7	25	GE50,GE50R/L	M6x20	L5	●	●	251412
2020-50D	5	20	20	20	20	20.7	25				●	●	251414
2525-50D	5	25	25	25	25	25.7	25				●	●	251416

Cut-Off Toolholder

Cut-Off Processing

(Inserts): A36/B83 (Toolholder Parts): P01-P04



Ordering code	Dimensions					Insert	Stock	Order Number
	w	b	h	L	h1			
SPB 26-2	2	1.6	26	26	21	SP200,200R/L	●	254100
26-3	3	2.4	26	26	21	SP300,300R/L	●	254102
26-4	4	3.2	26	26	21	SP400,400R/L	●	254104
26-5	5	4.2	26	26	21	SP500,500R/L	●	254106
SPB 32-2	2	1.6	32	32	27	SP200,200R/L	●	254108
32-3	3	2.4	32	32	27	SP300,300R/L	●	254110
32-4	4	3.2	32	32	27	SP400,400R/L	●	254112
32-5	5	4.2	32	32	27	SP500,500R/L	●	254114
32-6	6	5.2	32	32	27	SP600,600R/L	●	254116

UGHN Cut-Off Processing Toolholder

UGHN 262	2.2	1.60	26	110	21.4	KGT2N,KGT2R/L	●	254200
263	3.1	2.35	26	110	21.4	KGT3N,KGT3R/L	●	254202
264	4.1	3.20	26	110	21.4	KGT4N,KGT4R/L	●	254204
265	5.1	4.00	26	110	21.4	KGT5N,KGT5R/L	●	254206
UGHN 322	2.2	1.60	32	150	25.0	KGT2N,KGT2R/L	●	254208
323	3.1	2.35	32	150	25.0	KGT3N,KGT3R/L	●	254210
324	4.1	3.20	32	150	25.0	KGT4N,KGT4R/L	●	254212
325	5.1	4.00	32	150	25.0	KGT5N,KGT5R/L	●	254214

KTKB Cut-Off Processing Toolholder

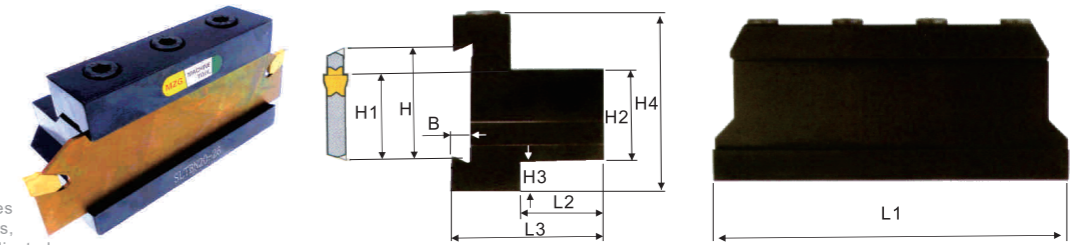
KTKB 19-1SS	1.6	1.2	19	86	15.7	TKN1.6,TKR/L1.6	●	254300
KTKB 26-1SS	1.6	1.2	26	110	21.4	TKN1.6,TKR/L1.6	●	254302
KTKB 32-1SS	1.6	1.2	32	150	25	TKN1.6,TKR/L1.6	●	254304
KTKB 19-2S	2.2	1.8	19	86	15.7	TKN2,TKR/L2	●	254306
26-2S	2.2	1.8	26	110	21.4	TKN2,TKR/L2	●	254308
26-3S	3.1	2.6	26	110	21.4	TKN3,TKR/L3	●	254310
26-4S	4.1	3.4	26	110	21.4	TKN4,TKR/L4	●	254312
26-5S	5.1	4.2	26	110	21.4	TKN5,TKR/L5	●	254314
KTKB 32-2S	2.2	1.8	32	150	25	TKN2,TKR/L2	●	254316
32-3S	3.1	2.6	32	150	25	TKN3,TKR/L3	●	254318
32-4S	4.1	3.4	32	150	25	TKN4,TKR/L4	●	254320
32-5S	5.1	4.2	32	150	25	TKN5,TKR/L5	●	254322
32-6S	6.4	5.4	32	150	25	TKN6,TKR/L6	●	254324
KTKBR/L 32-8S	8.0	6.8	32	150	25	TKN8,TKR/L8	●	254326
32-9S	9.6	8.0	32	150	25	TKN9,TKR/L9	●	254328

SCTH Cut-Off Processing Toolholder

SCTH 26-3	3	2.2	25.35	110	21.16	GT30	●	254400
26-4	4	3.2	25.14	110	21.05	GT40	●	254402
SCTH 32-3	3	2.2	31.41	150	24.8	GT30	●	254404
32-4	4	3.2	31.14	150	24.66	GT40	●	254406
32-5	5	4.2	30.87	150	24.53	GT50	●	254408
32-6	6	5.2	30.61	150	24.39	GT60	●	254410

SLTBN Cut-Off Toolholder

Features:
Tools for modular cutting can be combined with corresponding blades according to customer requirements, and the processing depth can be adjusted.



Ordering code	Dimensions									Screw	Wrench	Stock	Order Number
	H	H1	H2	H3	H4	B	L1	L2	L3				
SLTBN 16-26	26	21.4	16	13	43	5.3	86	12	30	M6x30	L5	●	254501
20-26	26	21.4	20	9	43	5.3	86	19	38			●	254500
20-32	32	24.8	20	13	50	5.3	100	19	38			●	254502
SLTBN 25-26	26	21.4	25	5	45	5.3	100	23	42			●	254504
25-32	32	24.8	25	8	50	5.3	110	23	42			●	254506
SLTBN 32-32	32	24.8	32	5	54	5.3	110	29	48			●	254508

MG

(Cutting Speed): m/min¹ (mm)

Material	Cutting Material	PCD	CBN-K	CBN-S	(mm)													
					ZN60	ZN90	ZK01	ZC250	ZC251	ZC325	ZP152	ZP153	ZP163	ZK50	ZK50S	ZK50S	ZK50S	
P	Steel				150-600	150-800		70-500	150-500	150-600	70-250	100-250	80-300					
M	Stainless Steel				150-350	150-500		70-250	80-350	100-400	70-150	80-150	80-200					
K	Iron			10-30							20-60	20-60	20-80					
N	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood				200-300	200-350					50-150	70-150	50-200					
S	Carbide/Powder Metallurgy				100-300	100-350								200-300	200-350			
H	Titanium/Superalloy/Carbon Fiber				400-800	100-200								150-200	150-250			

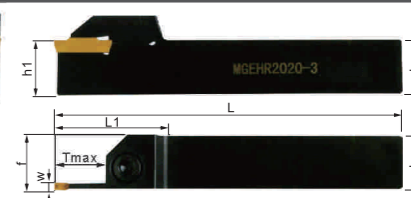
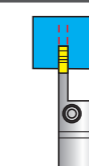
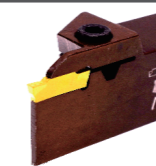
Cutting Environment ● Stable Cutting ● General Cutting ✘ Unstable Cutting

Application	Dimensioning	Product Image	Specification	Dimension															
				W	FE	L	B	H	θ	PCD	CBN-S	ZN60	ZK01	ZC250	ZP152				
Cut-off Grooving			MGMN 150-G 200-G 250-G 300-G 400-G 500-G 600-G	1.5	0.2	16.0	1.2	3.5	-	-	-	-	-	-	-	-	●	●	●
Cut-off Grooving			MGMN 200-M 250-M 300-02-M 300-M 350-03-M 400-02-M 400-M 500-04-M 500-M 600-M 800-M	2.0	0.2	16.0	1.2	3.5	-	-	-	-	-	-	-	-	●	●	●
Cut-off Grooving			MGMN 300-6D-PS 300-8D-PS 300-15D-PS 400-4D-PS 500-4D-PS	3.0	0.2	21.0	2.35	4.8	6.0	-	-	-	-	-	-	-	●	●	●
Cut-off Grooving			MGMN 200R-6 300R-6 300R-8 300R-15 400R-4 500R-4	2.0	0.2	16.0	1.6	3.6	6.0	-	-	-	-	-	-	●	●	●	
Cut-off Grooving			MGMN 150R-8 200R-8 250R-8 300R-8 400R-8 500R-8 600R-8	1.5	0.2	16.0	1.2	3.5	8°	-	-	-	-	-	-	●	●	●	
Cut-off Grooving			MGMN 150 200 250 300 350-03 400-02 400 500 600 700 800	1.5	0.2	16.0	1.2	3.5	-	-	-	-	-	-	-	●	●	●	
Grooving			MRMN 200-M 300-M 400-M 500-M 600-M 800-M	2.0	1.0	16.0	1.5	3.5	-	-	-	-	-	-	-	-	●	●	●
Aluminum Alloy Wheel Processing			MVRN 400-A 500-A 600-A 800-A	4.0	2.0	21.0	3.3	4.8	-	-	-	-	-	-	-	-	●	●	●

MGEHR

External Cut-Off / Grooving

(Inserts): A35-A36 (Toolholder Parts): P01-P04

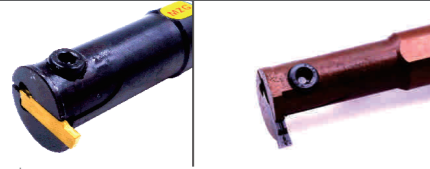


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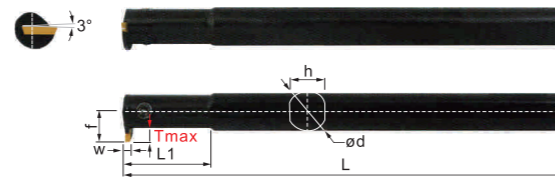
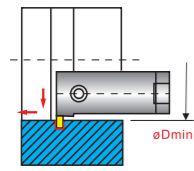
Ordering code	Dimensions							Screw	Wrench	Insert	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
MGEHRL	1010-1.5	1.5	10	10	100	10	15	M4x16	L3	MGMN150	●	●	252100
	1212-1.5	1.5	12	12	100	12	15			MGGN150	●	●	252102
	1616-1.5	1.5	16	16	100	16	15	M5x20	L4	MRMN150	●	●	252101
	2020-1.5	1.5	20	20	125	20	15				●	●	252103
	2525-1.5	1.5	25	25	150	25	15	M6x20	L5		●	●	252105
MGEHRL	1010-2	2	10	10	100	10	16				●	●	252104
	1010-2T10	2	10	10	100	10	10	M4x16	L3		●	●	252150
	1010-2T20	2	10	10	100	10	20				●	●	252151
	1212-2	2	12	12	100	12	16				●	●	252106
	1212-2T10	2	12	12	100	12	10			MGMN200	●	●	252152
	1616-2	2	16	16	100	16	16	M5x20	L4	MGGN200	●	●	252108
	1616-2T10	2	16	16	100	16	10			MRMN200	●	●	252153
	2020-2	2	20	20	125	20	16	M6x20	L5		●	●	252110
	2020-2T20	2	20	20	125	20	20	M5x20	L4		●	●	252154
	2525-2	2	25	25	150	25	16	M6x20	L5		●	●	252111
	2525-2T20	2	25	25	150	25	20	M5x20	L4		●	●	252155
MGEHRL	1616-2.5	2.5	16	16	100	16	17	M5x20	L4		●	●	252112
	1616-2.5T10	2.5	16	16	100	16	10			MGMN250	●	●	252114
	2020-2.5	2.5	20	20	125	20	17	M6x20	L5	MGGN250	●	●	252157
	2020-2.5T10	2.5	20	20	125	20	10	M5x20	L4	MRMN250	●	●	252158
	2020-2.5T25	2.5	20	20	125	20	25				●	●	252159
	2525-2.5	2.5	25	25	150	25	17	M6x20	L5		●	●	252116
	2525-2.5T10	2.5	25	25	150	25	10	M5x20	L4		●	●	252159
	2525-2.5T25	2.5	25	25	150	25	25				●	●	252160
MGEHRL	1212-3	3	12	12	100	12	20	M4x16	L3		●	●	252117
	1616-3	3	16	16	100	16	20				●	●	252118
	1616-3T10	3	16	16	100	16	10	M5x20	L4		●	●	252161
	1616-3T25	3	16	16	100	16	25				●	●	252162
	1616-3T30	3	16	16	100	16	30				●	●	252163
	2020-3	3	20	20	125	20	20	M6x20	L5		●	●	252120
	2020-3T10	3	20	20	125	20	10			MGMN300	●	●	252164
	2020-3T25	3	20	20	125	20	25	M5x20	L4	MGGN300	●	●	252165
	2020-3T30	3	20	20	125	20	30			MRMN300	●	●	252166
	2020-3T35	3	20	20	125	20	35				●	●	252167
	2525-3	3	25	25	150	25	20	M6x20	L5		●	●	252122
	2525-3T10	3	25	25	150	25	10				●	●	252168
	2525-3T25	3	25	25	150	25	25	M5x20	L4		●	●	252169
	2525-3T30	3	25	25	150	25	30				●	●	252170
	2525-3T35	3	25	25	150	25	35				●	●	252171
	3232-3	3	32	32	170	32	20	M6x20	L5		●	●	252124
MGEHRL	1616-4	4	16	16	100	16	20				●	●	252126
	1616-4T10	4	16	16	100	16	10	M5x20	L4		●	●	252172
	1616-4T25	4	16	16	100	16	25				●	●	252173
	1616-4T30	4	16	16	100	16	30				●	●	252174
	2020-4	4	20	20	125	20	20	M6x20	L5		●	●	252128
	2020-4T10	4	20	20	125	20	10			MGMN400	●	●	252175
	2020-4T25	4	20	20	125	20	25	M5x20	L4	MGGN400	●	●	252176
	2020-4T30	4	20	20	125	20	30			MRMN400	●	●	252177
	2020-4T35	4	20	20	125	20	35				●	●	252178
	2525-4	4	25	25	150	25	20	M6x20	L5		●	●	252130
	2525-4T10	4	25	25	150	25	10				●	●	252179
	2525-4T25	4	25	25	150	25	25	M5x20	L4		●	●	252180
	2525-4T30	4	25	25	150	25	30				●	●	252181
	2525-4T35	4	25	25	150	25	35				●	●	252182
	3232-4	4	32	32	170	32	20	M6x20	L5		●	●	252132
MGEHRL	2020-5	5	20	20	125	20	25	M6x20	L5		●	●	252134
	2020-5T30	5	20	20	125	20	30	M5x20	L4		●	●	252183
	2020-5T35	5	20	20	125	20	35			MGMN500	●	●	252184
	2525-5	5	25	25	150	25	25	M6x20	L5	MGGN500	●	●	252136
	2525-5T30	5	25	25	150	25	30	M5x20	L4	MRMN500	●	●	252185
	2525-5T35	5	25	25	150	25	35				●	●	252186
	3232-5	5	32	32	170	32	25	M6x20	L5		●	●	252138
MGEHRL	2020-6	6	20	20	125	20	25	M6x20	L5		●	●	252139
	2525-6	6	25	25	150	25	25			MGMN600	●	●	252140
	3232-6	6	32	32	170	32	25			MRMN600	●	●	252142
MGEHRL	2525-8	8	25	25	150	25	28	M6x20	L5		●	●	252144
	3232-8	8	32	32	170	32	28			MRMN800	●	●	252146

Note: when using the extended depth cutter, please pay attention to the Insert interference and grind the Insert

MGIVR



Internal Grooving Processing

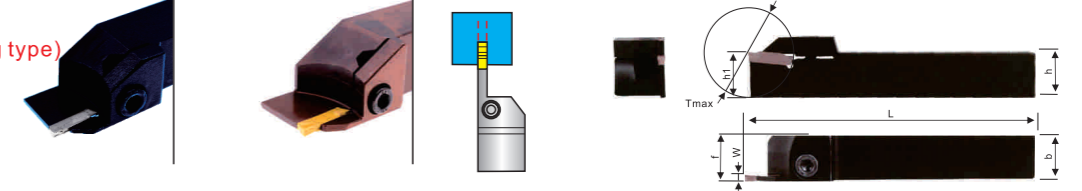


R-Type

(Inserts): A35-A36 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Screw	Wrench	Insert	Stock		Order Number			
	W	Tmax	ød	f	L	L1	h				R	L				
MGIVR/L 2016-1.5	1.5	3.5	16	12.4	160	35	14.8	M4×15	L3	MGMN150 MGGN150 MRMN150	●	●	256600			
2016-1.5T8	1.5	8	16	12.4	160	38	14.8				●	●	256650			
2520-1.5	1.5	3.5	20	14	180	45	18.4				●	●	256602			
2520-1.5T8	1.5	8	20	14	180	45	18.4				●	●	256652			
2925-1.5	1.5	3.5	25	17.25	200	50	23.4				●	●	256604			
2925-1.5T8	1.5	8	25	17.25	200	50	23.4				●	●	256653			
MGIVR/L 2016-2	2	4.5	16	12.4	160	35	14.8				M4×15	L3	MGMN200 MGGN200 MRMN200	●	●	256606
2016-2T8	2	8	16	12.4	160	38	14.8							●	●	256654
2520-2	2	4.5	20	14	180	45	18.4	●	●	256608						
2520-2T8	2	8	20	14	180	45	18.4	●	●	256656						
2925-2	2	4.5	25	17.25	200	50	23.4	●	●	256610						
2925-2T8	2	8	25	17.25	200	50	23.4	●	●	256657						
MGIVR/L 2016-2.5	2.5	4.5	16	12.4	160	35	14.8	M4×15	L3	MGMN250 MGGN250 MRMN250	●	●	256612			
2016-2.5T8	2.5	8	16	12.4	160	38	14.8				●	●	256659			
2520-2.5	2.5	4.5	20	15.6	180	45	18.4				●	●	256614			
2520-2.5T8	2.5	8	20	15.6	180	45	18.4				●	●	256660			
2925-2.5	2.5	4.5	25	18.9	200	50	23.4				●	●	256616			
2925-2.5T8	2.5	8	25	18.9	200	50	23.4				●	●	256661			
MGIVR/L 2016-3	3	5	16	14.5	160	35	14.8	M4×15	L3	MGMN300 MGGN300 MRMN300	●	●	256618			
2016-3T8	3	8	16	14.5	160	38	14.8				●	●	256663			
2316-3	3	6	16	15.6	160	35	14.8				●	●	256620			
2520-3	3	6	20	15.6	180	45	18.4				●	●	256622			
2520-3T8	3	8	20	15.6	180	45	18.4				●	●	256664			
3125-3	3	6	25	18.9	200	50	23.4				●	●	256624			
3125-3T10	3	10	25	18.9	200	50	23.4				●	●	256665			
3732-3	3	6	32	21.5	250	65	30				●	●	256626			
3732-3T12	3	12	32	21.5	250	65	30				●	●	256666			
4540-3	4	8	40	27.2	300	70	38				●	●	256627			
4540-3T15	4	15	40	27.2	300	70	38				●	●	256667			
MGIVR/L 2016-4	4	6	16	15	160	45	14.8	M4×15	L3	MGMN400 MGGN400 MRMN400	●	●	256629			
2016-4T8	4	8	16	15	160	48	14.8				●	●	256668			
2520-4	4	6	20	15.6	180	45	18.4				●	●	256628			
2520-4T8	4	8	20	15.6	180	45	18.4				●	●	256669			
3125-4	4	6	25	18.9	200	50	23.4				●	●	256630			
3125-4T10	4	10	25	18.9	200	50	23.4				●	●	256670			
3732-4	4	6	32	21.5	250	65	30				●	●	256632			
3732-4T12	4	12	32	21.5	250	65	30				●	●	256671			
4540-4	4	8	40	27.2	300	70	38				●	●	256633			
4540-4T15	4	15	40	27.2	300	70	38	●	●	256672						
MGIVR/L 3125-5	5	8	25	19.4	200	50	23.4	M5×20	L4	MGMN500 MGGN500 MRMN500	●	●	256634			
3125-5T10	5	10	32	19.4	200	50	23.4				●	●	256673			
3732-5	5	8	32	21.5	250	65	30				●	●	256636			
3732-5T12	5	12	32	21.5	250	65	30				●	●	256674			
4540-5	5	10	40	27.2	300	70	38				●	●	256637			
4540-5T15	5	15	40	27.2	300	70	38				●	●	256675			
MGIVR/L 3125-6	6	8	25	19.4	200	50	23.4	M5×20	L4	MGMN600 MRMN600	●	●	256638			
3732-6	6	8	32	21.5	250	65	30				●	●	256640			
MGIVR/L 3732-8	8	10	32	23.5	250	65	30	M6×20	L5	MGMN800 MRMN800	●	●	256642			
4540-8	8	10	40	27.2	300	70	38				●	●	256644			

MGEHR..R
(Circular arc strengthening type)



External Cut-Off/Grooving

(Inserts): A35-A36 (Toolholder Parts): P01-P04

R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
MGEHR/L 1010-1.5R	1.5	10	10	100	10	10	15	MGMN150 MGGN150 MRMN150	M4×16	L3	●	●	252170
1212-1.5R	1.5	12	12	100	12	12	15				●	●	252172
1616-1.5R	1.5	16	16	100	16	16	15				●	●	252174
MGEHR/L 1010-2R	2	10	10	100	10	10	16	MGMN200 MGGN200 MRMN200	M4×16	L3	●	●	252178
1212-2R	2	12	12	100	12	12	16				●	●	252180
1616-2R	2	16	16	100	16	16	16				●	●	252182
MGEHR/L 1616-3R	3	16	16	100	16	16	20	MGMN/MGGN300 MRMN300	M5×20	L4	●	●	252184
2020-3R	3	20	20	125	20	20	20				●	●	252186
2925-3R	3	25	25	150	25	25	25				●	●	252188

MGEVR



External Cut-Off Processing

(Inserts): A35-A36 (Toolholder Parts): P01-P04

R-Type

Ordering code	Dimensions							Screw	Wrench	Insert	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
MGEVR/L 1616-1.5	1.5	16	16	100	16	21.3	5	M5×20	L4	MGMN150 MGGN150 MRMN150	●	●	252230
2020-1.5	2	20	20	125	20	26.3	6				●	●	252232
MGEVR/L 1616-2	2	16	16	100	16	21.3	5	M5×20	L4	MGMN200 MGGN200 MRMN200	●	●	252234
2020-2	2	20	20	125	20	26.3	6				●	●	252236
MGEVR/L 1616-2.5	2.5	16	16	100	16	21.3	5	M5×20	L4	MGMN250 MGGN250 MRMN250	●	●	252200
2020-2.5	2.5	20	20	125	20	26.3	6				●	●	252202
MGEVR/L 1616-3	3	16	16	100	16	21.3	7	M6×20	L5	MGMN300 MGGN300 MRMN300	●	●	252204
2020-3	3	20	20	125	20	26.3	7				●	●	252206
MGEVR/L 1616-3T13	3	16	16	100	16	29.5	13	M5×20	L4	MGMN400 MGGN400 MRMN400	●	●	252207
2020-3T13	3	20	20	125	20	31.5	11				●	●	252208
MGEVR/L 2020-3T15	3	20	20	125	20	35.5	15	M5×20	L4	MGMN400 MGGN400 MRMN400	●	●	252209
2525-3T15	3	25	25	150	25	33	7				●	●	252210
MGEVR/L 1616-4	4	16	16	100	16	21.3	7	M5×20	L4	MGMN400 MGGN400 MRMN400	●	●	252211
2020-4	4	20	20	125	20	26.3	7				●	●	252212
MGEVR/L 1616-4T13	4	16	16	100	16	29.5	13	M6×20	L5	MGMN500 MGGN500 MRMN500	●	●	252213
2020-4T13	4	20	20	125	20	31.5	11				●	●	252214
MGEVR/L 2020-4T15	4	20	20	125	20	35.5	15	M5×20	L4	MRMN500	●	●	252215
2525-4T15	4	25	25	150	25	33	7				●	●	252216
MGEVR/L 2020-5T15	5	20	20	125	20	35.5	15	M5×20	L4	MRMN500	●	●	252217
2525-5T15	5	25	25	150	25	34	8				●	●	252218
2925-5T15	5	25	25	150	25	40.5	15				●	●	252219
4540-5T15	5	25	25	150	25	40.5	15				●	●	252220

SMR..R..



External Grooving

(Inserts): A35-A36 (Toolholder Parts): P01-P04

R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	b	h	L	L1	h1	f	W				R	L	
SMR1616R/L-2	16	16	100	26	16	18	2	MRMN200	M5×20	L4	○	○	256500
SMR1616R/L-3	20	20	100	30	16	19	3				○	○	256502
SMR2020R/L-3	20	20	125	30	20	23	3	MRMN300	M6×22	L5	○	○	256504
SMR2525R/L-3	25	25	150	30	25	28	3				○	○	256506
SMR3232R/L-3	32	32	170	30	32	35	3	MRMN400	M6×22	L5	○	○	256508
SMR2020R/L-4	20	20	125	30	20	24	3				○	○	

TD

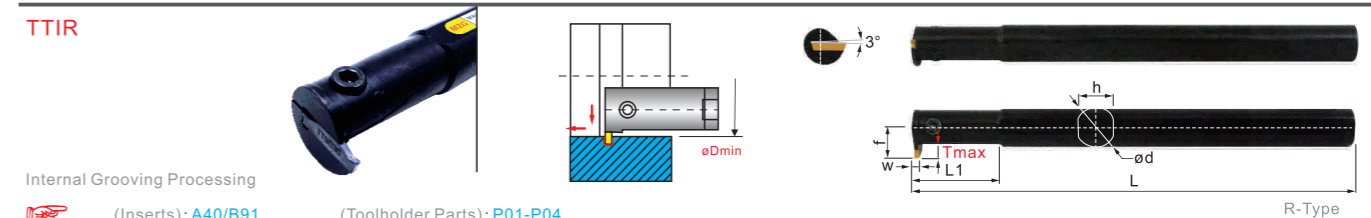
Cutting Environment			Application																																																											
Stable Cutting			General Cutting												Unstable Cutting																																															
Application			Material																																																											
Steel			Stainless Steel												Iron												Aluminum/Copper/Magnesium/Zinc/Plastic/Wood												Carbide/Powder Metallurgy												Titanium/Superalloy/Carbon Fiber											
P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H															
Dimensioning	Product Image	Specification	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax																		
Dimensioning	Product Image	Specification	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax																		
Dimensioning	Product Image	Specification	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax																		
Dimensioning	Product Image	Specification	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax	W	ℓ	L	B	H	θ	Tmax																		



External Cut-Off/Grooving

(Inserts): A40/B91 (Toolholder Parts): P01-P04 R-Type

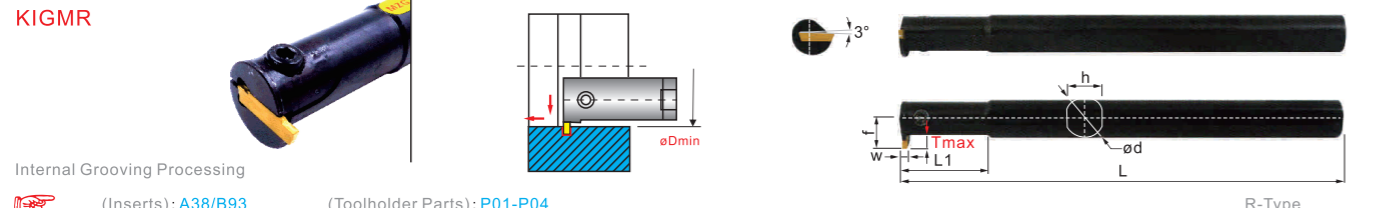
Ordering code	Dimensions								Insert	Screw	Wrench	Stock		Order Number		
	W	b	h	L	h1	f	Tmax	R				L				
TTER/L 1010-1.4T15-D40	1.4	10	10	125	10	9.5	40	TDJ1.4	M5×20	L4	○	○	253200			
1212-1.4T15-D40	1.4	12	12	125	12	11.5	40				○	○	253202			
1616-1.4T20-D45	1.4	16	16	125	16	15.5	45				○	○	253204			
2020-1.4T20-D45	1.4	20	20	125	20	19.5	45				○	○	253206			
TTER/L 1010-2T15-D40	2	10	10	125	10	9.1	40	TDC2	M5×20	L4	○	○	253208			
1212-2T15-D40	2	12	12	125	12	11.1	40				○	○	253210			
1616-2T20-D45	2	16	16	125	16	15.1	45				○	○	253212			
2020-2T20-D45	2	20	20	125	20	19.1	45				○	○	253214			
TTER/L 1212-3T15-D40	3	12	12	125	12	10.8	40	TDC3,TSC3	M5×20	L4	○	○	253218			
1616-3T20-D45	3	16	16	125	16	14.8	45				○	○	253220			
2020-3T20-D45	3	20	20	125	20	18.8	45				○	○	253222			
2525-3T20-D45	3	25	25	150	25	23.8	45				○	○	253224			
TTER/L 1616-2	2	16	16	110	16	15.1	12	TDC2,TSC2	M6×20	L5	○	○	253228			
2020-2	2	20	20	125	20	19.1	12				○	○	253230			
2525-2	2	25	25	150	25	24.1	12				○	○	253232			
TTER/L 1616-3	3	16	16	110	16	14.8	12				TDC3,TSC3	M6×20	L5	○	○	253234
2020-3	3	20	20	125	20	18.8	12	○	○	253236						
2525-3	3	25	25	150	25	23.8	12	○	○	253238						
TTER/L 1616-4	4	16	16	110	16	14.5	15	TDC4,TSC4	M6×20	L5				○	○	253240
2020-4	4	20	20	125	20	18.5	15				○	○	253242			
2525-4	4	25	25	150	25	23.5	15				○	○	253244			
TTER/L 2020-5	5	20	20	125	20	18.1	20				TDC5,TSC5,TDJ5	M6×20	L5	○	○	253246
2525-5	5	25	25	150	25	23.1	20	○	○	253248						
TTER/L 2020-6	6	20	20	125	20	17.6	20	TDC6,TSC6,TDJ6	M6×20	L5				○	○	253250
2525-6	6	25	25	150	25	22.6	20							○	○	253252
TTER/L 2525-8	8	25	25	150	25	22.1	25				TDC8,TSC8	M6×20	L5	○	○	253254
3232-8	8	32	32	170	32	29.1	25							○	○	253256
TTER/L 2525-10T25	10	25	25	150	25	21.1	25	TDT10	M8×30	L6				○	○	253258
3232-10T40	10	32	32	170	32	28.1	40							○	○	253260
4040-10T40	10	40	40	200	40	36.1	40				○	○	253262			



Ordering code	Dimensions								Screw	Wrench	Insert	Stock		Order Number		
	W	Tmax	ød	f	L	L1	h	R				L				
TTIR/L 16-2C	2	8.5	16	16.5	160	40	14.8	M4×16	L3	TDC2	○	○	256800			
16-2T8	2	8.0	16	12.4	160	38	14.8				○	○	256802			
20-2C	2	6.0	20	15.8	160	40	18.4				○	○	256806			
20-2T8	2	8.0	20	14	160	45	18.4				○	○	256810			
TTIR/L 25-2C	2	5.0	25	17.5	200	40	23.4	M5×20	L4	TSC2	○	○	256804			
25-2T8	2	8.0	25	17.25	200	50	23.4				○	○	256808			
32-2T8	2	8.0	32	20.5	250	70	30				○	○	256812			
32-2T8	2	8.0	32	20.5	250	70	30				○	○	256816			
TTIR/L 16-3T8	3	8.0	16	15	160	38	14.8	M4×16	L3	TDC3	○	○	256804			
20-3C	3	6.0	20	15.8	160	40	18.4				○	○	256806			
20-3T8	3	8.0	20	15.6	160	45	18.4				○	○	256810			
25-3C	3	5.1	25	17.5	200	40	23.4				○	○	256812			
TTIR/L 25-3C-T8	3	8.0	25	21.5	200	40	23.4	M5×20	L4	TSC3	○	○	256812			
25-3T10	3	10	25	18.9	200	50	23.4				○	○	256816			
32-3C	3	4.7	32	19.8	250	60	30				○	○	256818			
32-3C-T10	3	10	32	27	250	60	30				○	○	256822			
TTIR/L 32-3T12	3	12	32	21.5	250	65	30	M6×25	L5	TDJ3	○	○	256810			
40-3C-T12	3	12	40	33	300	65	38				○	○	256814			
40-3T15	3	15	40	27.2	300	70	38				○	○	256816			
40-3T15	3	15	40	27.2	300	70	38				○	○	256818			
TTIR/L 16-4T8	4	8.0	16	15	160	38	14.8	M4×16	L3	TDC4,TSC4	○	○	256809			
20-4C	4	6.0	20	15.8	160	40	18.4				○	○	256818			
20-4T8	4	8.0	20	15.6	160	45	18.4				○	○	256812			
25-4C	4	5.2	25	17.5	200	40	23.4				○	○	256824			
TTIR/L 25-4C-T8	4	8.0	25	21.5	200	40	23.4	M5×20	L4	TDJ4,TDXU4	○	○	256822			
25-4T10	4	10	25	18.9	200	50	23.4				○	○	256826			
32-4C	4	4.7	32	20.8	250	60	30				○	○	256830			
32-4C-T10	4	10	32	27	250	60	30				○	○	256834			
TTIR/L 32-4T12	4	12	32	21.5	250	65	30	M6×25	L5	TDXU5	○	○	256822			
40-4C-T12	4	12	40	33	300	65	38				○	○	256826			
40-4T15	4	15	40	27.2	300	70	38				○	○	256830			
40-4C-T15	4	15	40	33	300	65	38				○	○	256834			
TTIR/L 50-4C-T15	4	15	50	40	350	70	48	M6×25	L5	TDT5	○	○	256838			
TTIR/L 25-5C	5	5.2	25	17.3	200	40	23.4				M5×20	L4	TDC5,TSC5	○	○	256832
32-5C	5	4.7	32	20.8	250	60	30							○	○	256836
32-5C-T10	5	10	32	27	250	60	30							○	○	256840
40-5C-T12	5	12	40	33	300	65	38	○	○	256844						
TTIR/L 50-5C-T14	5	14	50	40	350	70	48	M6×25	L5	TDXU6,TDT6	○	○	256848			
TTIR/L 32-6C	6	4.7	32	20.8	250	60	30				M6×25	L5	TDC6,TSC6	○	○	256842
32-6C-T10	6	10	32	27	250	60	30							○	○	256846
40-6C-T12	6	12	40	33	300	65	38							○	○	256850
50-6C-T14	6	14	50	40	350	70	48	○	○	256854						
TTIR/L 32-8C	8	5.5	32	21.3	250	60	30	M6×25	L5	TDXU8,TDT8	○	○	256850			
40-8C	8	5.8	40	25.8	300	65	38				○	○	256852			

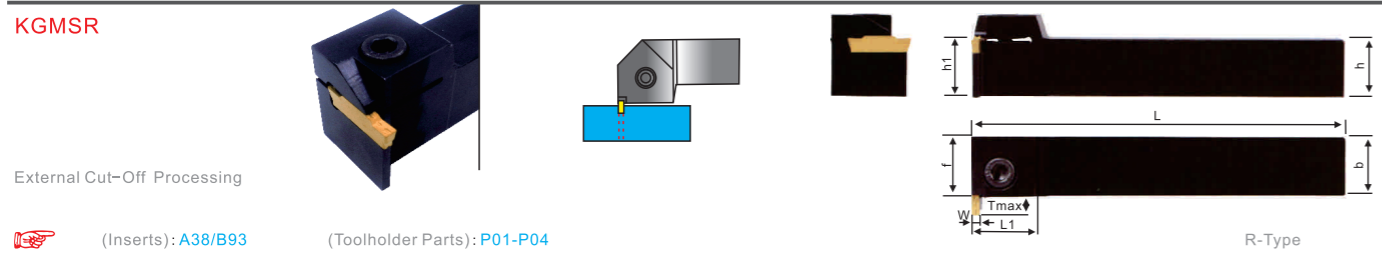


		Cutting Environment																					
		● Stable Cutting ● General Cutting ✘ Unstable Cutting																					
Application		P	Steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		M	Stainless Steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		K	Iron	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		N	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		S	Carbide/Powder Metallurgy	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
		H	Titanium/Superalloy/Carbon Fiber	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Application	Dimensioning	Product Image	Specification	Dimension						PCD	CBN-K	CBN-S	ZN60	ZK01	ZC250	ZC251	ZP152	ZP153					
	W	RE	L	B	H	θ																	
External Grooving		GMM 1520-MT 2020-MT 2520-MT 3020-MT	1.5 0.0 20 1.2 4.3	2.0 0.0 20 1.5 4.3	2.5 0.0 20 1.9 4.3	3.0 0.0 20 2.3 4.3	-	-	●	●	●	●	●	●	●	●	●	●	●	●			
			2.0 0.0 20 1.5 4.3	2.5 0.0 20 1.9 4.3	3.0 0.0 20 2.3 4.3	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
			2.5 0.0 20 1.9 4.3	3.0 0.0 20 2.3 4.3	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			3.0 0.0 20 2.3 4.3	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cut-off Processing		R-MT GMM 1520R-MT-15D 2020R-MT-15D 2520R-MT-15D 3020R-MT-15D	1.5 0.0 20 1.2 4.3 15°	2.0 0.0 20 1.5 4.3 15°	2.5 0.0 20 1.9 4.3 15°	3.0 0.0 20 2.3 4.3 15°	-	-	●	●	●	●	●	●	●	●	●	●	●	●			
			2.0 0.2 20 1.5 4.3 8°	2.5 0.2 20 1.9 4.3 8°	3.0 0.25 20 2.3 4.3 8°	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
			2.0 0.2 20 1.5 4.3 8°	2.5 0.2 20 1.9 4.3 8°	3.0 0.25 20 2.3 4.3 8°	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			2.5 0.2 20 1.9 4.3 8°	3.0 0.25 20 2.3 4.3 8°	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			3.0 0.25 20 2.3 4.3 8°	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cut-off Processing		R-MT GMM 1520L-MT-15D 2020L-MT-15D 2520L-MT-15D 3020L-MT-15D	1.5 0.0 20 1.2 4.3 15°	2.0 0.0 20 1.5 4.3 15°	2.5 0.0 20 1.9 4.3 15°	3.0 0.0 20 2.3 4.3 15°	-	-	●	●	●	●	●	●	●	●	●	●	●	●			
			2.0 0.2 20 1.5 4.3 8°	2.5 0.2 20 1.9 4.3 8°	3.0 0.25 20 2.3 4.3 8°	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
			2.0 0.2 20 1.5 4.3 8°	2.5 0.2 20 1.9 4.3 8°	3.0 0.25 20 2.3 4.3 8°	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			2.5 0.2 20 1.9 4.3 8°	3.0 0.25 20 2.3 4.3 8°	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			3.0 0.25 20 2.3 4.3 8°	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



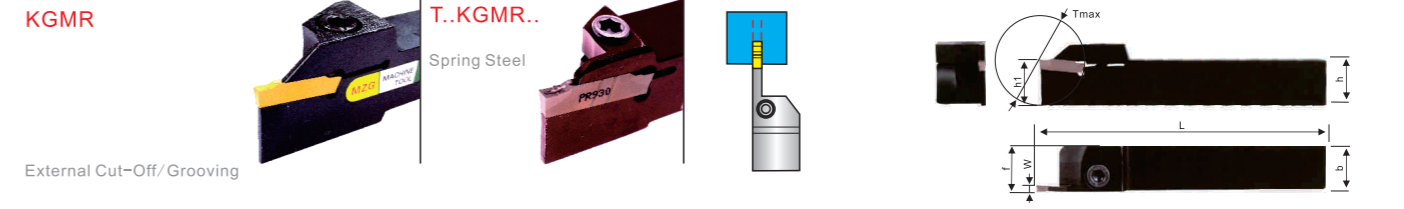
Internal Grooving Processing (Inserts): A38/B93 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	Tmax	ød	f	L	L1	h				R	L	
KIGM R/L 2016B-3V	3	5.5	16	11.5	150	25	15	GMM30, GMG30	M4×15	L3	●	●	256700
2520B-3V	3	6.0	20	14.5	180	32	18				●	●	256702
3225B-3V	3	8.0	25	19	200	40	23				●	●	256704
KIGM R/L 3225B-4V	4	8.5	25	19	180	40	23	GMM40, GMG40 GMM50, GMG50	M6×25	L5	●	●	256706
4032B-4V	4	11.0	32	23.5	200	50	29				●	●	256708



External Cut-Off Processing (Inserts): A38/B93 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
KGMSR/L 1212H-3	3	12	12	100	12	17	4.8	GMM3020 GMG3030 GMM3020R/L	M5×20	L4	●	●	253600
1616H-3	3	16	16	100	16	21.5	4.8				●	●	253602
2020K-3	3	20	20	125	20	25	4.8				●	●	253604
2525M-3	3	25	25	150	25	30	4.8				●	●	253606



External Cut-Off / Grooving (Inserts): A38/B93 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number			
	W	b	h	L	h1	f	Tmax				R	L				
KGMR/L 2012K-2T17	2	12	20	125	20	11.15	17	GMM2420 GMM2020R/L	M5×20	L4	●	●	253400			
2020K-2T17	2	20	20	125	20	19.15	17				●	●	253402			
2525M-2T17	2	25	25	150	25	24.15	17				●	●	253404			
KGMR/L 1212H-3	3	12	12	100	12	10.8	9	GMM3020 GMG3030 GMM3020R/L	M6×20	L5	●	●	253406			
1616H-3	3	16	16	100	16	14.8	9				●	●	253408			
2020K-3	3	20	20	125	20	18.8	9				●	●	253410			
2525M-3	3	25	25	150	25	23.8	9				●	●	253412			
1616H-3T20	3	16	16	100	16	14.8	20				●	●	253414			
2012K-3T20	3	12	20	125	20	10.8	20				●	●	253416			
2020K-3T20	3	20	20	125	20	18.8	20				●	●	253418			
2525M-3T20	3	25	25	150	25	23.8	20				●	●	253420			
KGMR/L 2020K-4	4	20	20	125	20	18.3	10				GMM4020 GMG4030 GMM4020R/L	M6×20	L5	●	●	253422
2525M-4	4	25	25	150	25	23.3	10							●	●	253424
2020K-4T20	4	20	20	125	20	18.3	20	●	●	253426						
2525M-4T20	4	25	25	150	25	23.3	20	●	●	253428						
KGMR/L 2020K-5	5	20	20	125	20	17.8	10	GMM5020 GMG5030 GMM5020R/L	M6×20	L5	●	●	253432			
2525M-5	5	25	25	150	25	22.8	10				●	●	253434			
3232P-5	5	32	32	170	32	29.8	10				●	●	253436			
2525M-5T25	5	25	25	150	25	22.8	25				●	●	253438			
3232P-5T25	5	32	32	170	32	29.8	25				●	●	253440			
KGMR/L 2525M-6T30	6	25	25	150	25	22.4	30	GMM6020, GMG6030 GMM6020R/L	M6×20	L5	●	●	253442			
KGMR/L 2525M-8	8	25	25	150	25	22.0	25	GMM8020 GMG8030 GMM8020R/L	M6×20	L5	●	●	253444			
3232P-8	8	32	32	170	32	29.0	25				●	●	253446			

Used Of Automatic Lathe

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
KGMR/L 0810K-1.5-125	1.5	10	8	125	8	9.4	5	GMM1520 GMM1520R/L	M5×20	L4	●	●	253500
1010K-1.5-125	1.5	10	10	125	10	9.4	10				●	●	253502
1212F-1.5-85	1.5	12	12	85	12	11.4	12.5				●	●	253504
KGMR/L 1212M-1.5-150	1.5	12	12	150	12	11.4	12.5	GMM2420 GMM2020R/L	M5×20	L4	●	●	253506
KGMR/L 0810K-2-125	2	10	8	125	8	9.2	5				●	●	253508
1010K-2-125	2	10	10	125	10	9.15	10				●	●	253510
1212F-2-85	2	12	12	85	12	11.15	12.5				●	●	253512
1212M-2-150	2	12	12	150	12	11.15	12.5				●	●	253514
1616M-2-150	2	16	16	150	16	15.15	16				●	●	253516
KGMR/L 1010K-2.5-125	2.5	10	10	125	10	9	10				GMM2520 GMM2520R/L	M5×20	L4
1212F-2.5-85	2.5	12	10	85	10	11	12.5	●	●	253520			
1212M-2.5-150	2.5	12	12	150	12	11	12.5	●	●	253522			
1616M-2.5-150	2.5	16	16	150	16	15	16	●	●	253524			
KGMR/L 1616M-3-150	3	16	16	150	16	14.8	16	GMM3020, GMG3030 GMM3020R/L	M6×20	L5			

Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
T-KGMR/L 1010J-1.5T12	1.5	10	10	110	10	10	12	GMM1520 GMM1520R/L	M5×20	L4	●	●	353450
1212G-1.5T12	1.5	12	12	90	12	12	12				●	●	353452
1212J-1.5T12	1.5	12	12	110	12	12	12				●	●	353454
1616G-1.5T15	1.5	16	16	90	16	16	15				●	●	353456
2020K-1.5T15	1.5	20	20	125	20	20	15				●	●	353458
T-KGMR/L 1010J-2T12	2	10	10	110	10	10	12	GMM2420 GMM2020R/L	M5×20	L4	●	●	353460
1212G-2T12	2	12	12	90	12	12	12				●	●	353462
1212J-2T12	2	12	12	110	12	12	12				●	●	353464
1616H-2T17	2	16	16	100	16	16	17				●	●	353466
1616J-2T12	2	16	16	110	16	16	12				●	●	353468
2020K-2T12	2	20	20	125	20	20	12				●	●	353470
T-KGMR/L 1616H-3T20	3	16	16	100	16	16	20				GMM3020 GMG3030 GMM3020R/L	M6×20	L5
2020K-3T20	3	20	20	125	20	20	20	●	●	353474			
2525M-3T20	3	25	25	150	25	25	20	●	●	353476			
T-KGMR/L 2525M-4T20	4	25	25	150									

Z...

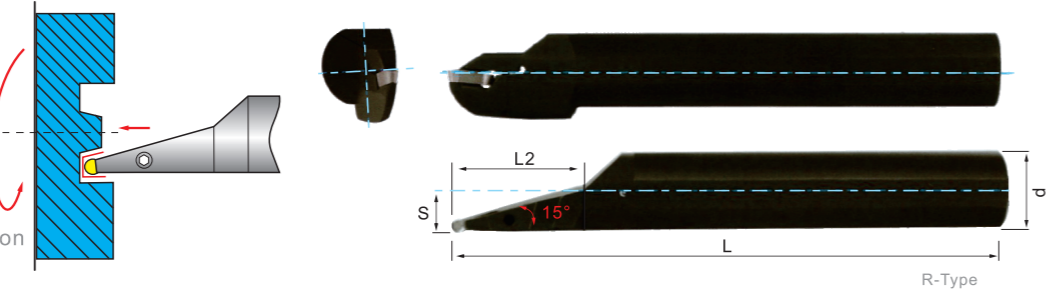
(Cutting Speed): m/min^1

Group	Outer Material	PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163	ZK50	ZK50S
P	Steel				150-600	150-800		70-500	150-600	150-600	70-250	100-250	80-300		
M	Stainless Steel				150-350	150-500		70-250	80-350	100-400	70-150	80-150	60-200		
K	Iron			10-30							20-60	20-60	20-80		
N	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood				200-300	200-350					50-150	70-150	50-200		
S	Carbide/Powder Metallurgy				100-300	100-350								200-300	200-350
H	Titanium/Superalloy/Carbon Fiber				100-200	100-250								150-200	150-250

Application	Dimensioning	Product Image	Specification	Dimension									PCD	CBN-K	CBN-S	ZN60	ZN90	ZK01	ZC250	ZC251	ZC32S	ZP152	ZP153	ZP163											
				W	r_e	L	B	H	θ																										
Cut-off/Grooving	ZTED 02503-MG			2.5	0.3	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0303-MG			3.0	0.3	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0404-MG			4.0	0.4	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0504-MG			5.0	0.4	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0608-MG			6.0	0.8	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Grooving	ZRED 025-MG			2.5	1.25	17.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03-MG			3.0	1.5	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04-MG			4.0	2.0	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05-MG			5.0	2.5	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06-MG			6.0	3.0	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

C..Q.DR

Profile Copying of Aluminum Wheel Hub

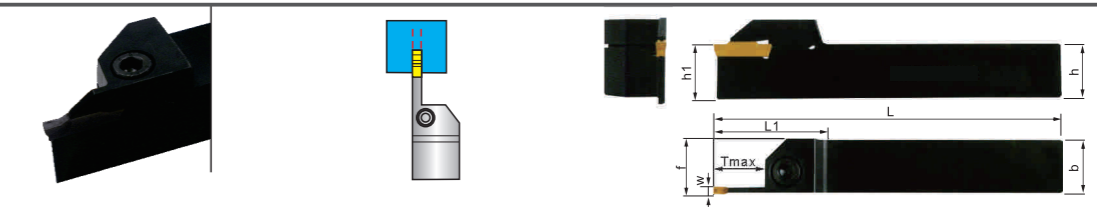


(Inserts): A41/B95 (Toolholder Parts): P01-P04

Ordering code	Dimensions					Insert	Screw	Wrench	Stock		Order Number
	ϕD_{min}	ϕd	S	L1	L2				R	L	
C40T-QLDR/L65-15A	160	40	21	300	65	ZRLD08-LH	M6x20	L5	•	•	255630
C40T-QLDR/L80-15A	160	40	21	300	80				•	•	255631
C50U-QLDR/L80-15A	160	50	26	350	80				•	•	255632
C40T-QKDR/L60-15A	160	40	21	300	60	ZRKD06-LH	M6x20	L5	•	•	255633
C40T-QKDR/L75-15A	160	40	21	300	75				•	•	255634
C50U-QKDR/L75-15A	160	50	26	350	75				•	•	255635

QE.D..R

External Cut-Off/Grooving

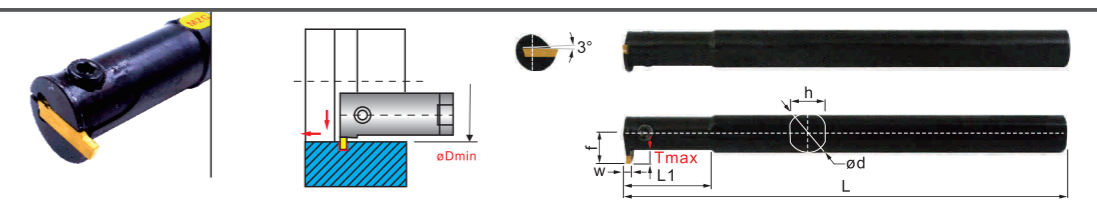


(Inserts): A41/B95 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
QECD 1616R/L15	2	16	16	100	16	16.2	15	Z.CD..	M5X20	L4	•	•	252501
2020R/L15	2	20	20	125	20	20.2	15		M6X20	L5	•	•	252503
QEED 1616R/L10	2.5	16	16	125	16	16.3	10	Z.ED..	M5X16	L4	•	•	252500
1616R/L17	2.5	16	16	125	16	16.3	17		M5X20	L4	•	•	252502
2020R/L10	2.5	20	20	125	20	20.3	10		M6X25	L5	•	•	252504
2020R/L17	2.5	20	20	125	20	20.3	17		M6X25	L5	•	•	252506
2525R/L10	2.5	25	25	150	25	25.3	10		M6X25	L5	•	•	252508
2525R/L17	2.5	25	25	150	25	25.3	17	M6X25	L5	•	•	252510	
QEFD 1616R/L10	3	16	16	125	16	16.3	10	Z.FD..	M5X20	L4	•	•	252512
1616R/L17	3	16	16	125	16	16.3	17		M5X20	L4	•	•	252514
2020R/L10	3	20	20	125	20	20.3	10		M6X25	L5	•	•	252516
2020R/L17	3	20	20	125	20	20.3	17		M6X25	L5	•	•	252518
2525R/L10	3	25	25	150	25	25.3	10		M6X25	L5	•	•	252520
2525R/L17	3	25	25	150	25	25.3	17	M6X25	L5	•	•	252522	
QEGD 2020R/L13	4	20	20	125	20	20.5	13	Z.GD..	M6X25	L5	•	•	252524
2020R/L22	4	20	20	125	20	20.5	22		M6X25	L5	•	•	252526
2525R/L13	4	25	25	150	25	25.5	13		M6X25	L5	•	•	252528
2525R/L22	4	25	25	150	25	25.5	22		M6X25	L5	•	•	252530
3232R/L13	4	32	32	170	32	32.5	13		M6X25	L5	•	•	252532
3232R/L22	4	32	32	170	32	32.5	22	M6X25	L5	•	•	252534	
QEHD 2525R/L13	5	25	25	150	25	25.5	13	Z.HD..	M6X25	L5	•	•	252536
2525R/L22	5	25	25	150	25	25.5	22		M6X25	L5	•	•	252538
3232R/L13	5	32	32	170	32	32.5	13		M6X25	L5	•	•	252540
3232R/L22	5	32	32	170	32	32.5	22		M6X25	L5	•	•	252542
QEKD 2525R/L13	6	25	25	150	25	25.6	13	Z.KD..	M6X25	L5	•	•	252544
2525R/L22	6	25	25	150	25	25.6	22		M6X25	L5	•	•	252546
3232R/L13	6	32	32	170	32	32.6	13		M6X25	L5	•	•	252548
3232R/L22	6	32	32	170	32	32.6	22		M6X25	L5	•	•	252550

Q..DR

Internal Grooving Processing

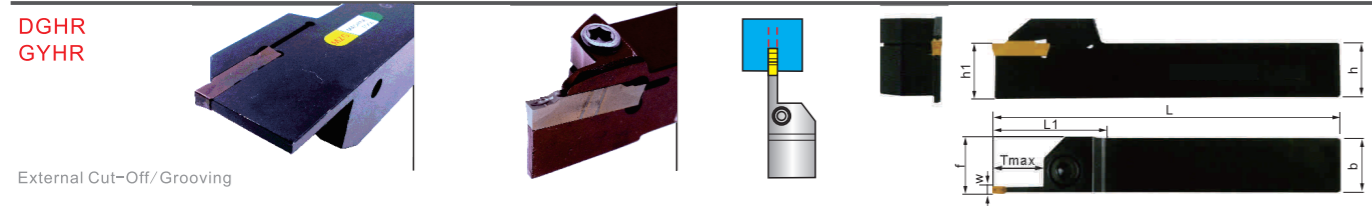


(Inserts): A41/B95 (Toolholder Parts): P01-P04

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	ϕd	L	f	W	Tmax	L1	ϕD_{min}				R	L	
C20Q-QEDR/L05-27	20	180	15.2	2.5	5	40	27	ZTED025..	M4X12	L3	•	•	257100
C25R-QEDR/L07-33	25	200	20.3	2.5	7	45	33		M5X16	L4	•	•	257102
C32S-QEDR/L09-42	32	250	25.3	2.5	9	58	42	ZRED025..	M5X20	L4	•	•	257104
C20Q-QFDR/L05-27	20	180	15.2	3	5	40	27	ZTFD03..	M4X12	L3	•	•	257106
C25R-QFDR/L07-33	25	200	20.3	3	7	45	33		M5X16	L4	•	•	257108
C32S-QFDR/L09-42	32	250	25.3	3	9	58	42	ZRFD03..	M5X20	L4	•	•	257110
C25R-QGDR/L08-35	25	200	21.5	4	8	45	35	ZTGD04..	M5X16	L4	•	•	257112
C32S-QGDR/L11-44	32	250	27.5	4	11	58	44		M6X20	L5	•	•	257114
C40T-QGDR/L13-54	40	300	33.5	4	13	72	54		M6X20	L5	•	•	257116
C25R-QHDR/L08-35	25	200	21.5	5	8	45	35		ZRGD04..	M5X16	L4	•	•
C32S-QHDR/L11-44	32	250	27.5	5	11	58	44	ZTHD05..	M6X20	L5	•	•	257120
C40T-QHDR/L13-54	40	300	33.5	5	13	72	54		ZRH05..	M6X20	L5	•	•
C25R-QKDR/L08-35	25	200	21.5	6	8	45	35	ZTKD06..	M5X16	L4	•	•	257124
C32S-QKDR/L11-44	32	250	27.5	6	11	58	44		M6X20	L5	•	•	257126
C40T-QKDR/L13-54	40	300	33.5	6	13	72	54		ZRKD06..	M6X20	L5	•	•

GY

Cutting Environment																
● Stable Cutting ● General Cutting ✖ Unstable Cutting																
	P	M	K	N	S	H		P	M	K	N	S	H			
	Steel	Stainless Steel	Iron	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	Carbide/Powder Metallurgy	Titanium/Superalloy/Carbon Fiber		Steel	Stainless Steel	Iron	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	Carbide/Powder Metallurgy	Titanium/Superalloy/Carbon Fiber			
Application	Dimensioning	Product Image	Specification	Dimension			PCD	CBN-K	CBN-S	ZN60	ZK01	ZC250	ZC251	ZP152	ZP153	
	W	r _e	L	B	H	θ										
			GY2M 0200D020N-MM 0250E020N-MM 0300F020N-MM 0300F040N-MM 0300F080N-MM 0400G020N-MM 0400G040N-MM 0400G080N-MM 0500H040N-MM 0500H080N-MM 0600J040N-MM 0600J080N-MM 0800K080N-MM 0800K120N-MM	2.0 0.2 20.7 19.1 2.5 0.2 20.7 19.1 3.0 0.2 20.7 19.1 3.0 0.4 20.7 18.9 3.0 0.8 20.7 18.5 4.0 0.2 25.6 24.1 4.0 0.4 25.6 23.9 4.0 0.8 25.6 23.5 5.0 0.4 25.6 23.9 5.0 0.8 25.6 23.5 6.0 0.4 25.6 23.9 6.0 0.8 25.6 23.5 8.0 0.8 30.5 28.5 8.0 1.2 30.5 28.1												
			GY2M 0200D100N-MM 0250E125N-MM 0300F150N-MM 0318F159N-MM 0400G200N-MM 0475H238N-MM 0500H250N-MM 0600J300N-MM 0635J318N-MM 0800K400N-MM	2.0 1.0 20.9 19.5 2.5 1.25 20.9 19.3 3.0 1.5 20.9 19.0 3.18 1.59 20.9 18.9 4.0 2.0 25.8 23.4 4.75 2.38 25.8 22.9 5.0 2.5 25.8 22.8 6.0 3.0 25.9 22.5 6.35 3.18 25.9 22.3 8.0 4.0 30.8 26.5												

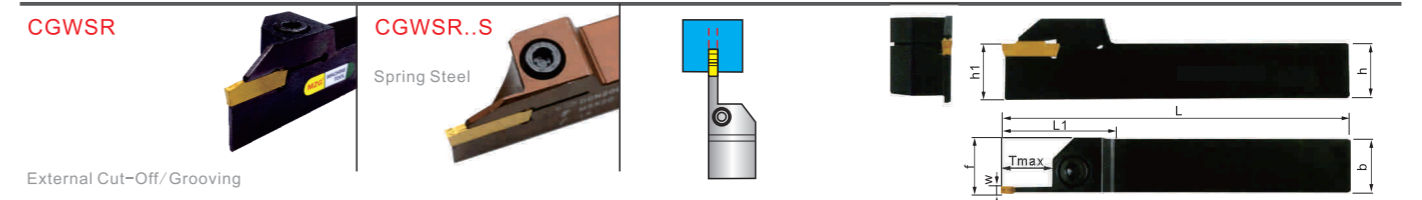


(Inserts): A39/B97 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
DGHR/L 1616K2	2	16	16	125	16	16.2	16	DGM20CE	M5x20	L4	●	●	252300
2020K2	2	20	20	125	20	20.2	20		M6x20	L5	●	●	252302
2525M2	2	25	25	150	25	25.2	20		M5x20	L4	●	●	252304
DGHR/L 1616K3	3	16	16	125	16	16.2	16	DGM30CE	M6x20	L5	●	●	252306
2020K3	3	20	20	125	20	20.2	20	DGJ30CE	M5x20	L4	●	●	252308
2525M3	3	25	25	150	25	25.2	20		M6x20	L5	●	●	252310
3232P3	3	32	32	170	32	32	20				●	●	252312
DGHR/L 2020K4	4	20	20	125	20	20.2	20	DGJ40CE	M6x20	L5	●	●	252314
2525M4	4	25	25	150	25	25.2	20		M6x20	L5	●	●	252316
3232P4	4	32	32	170	32	32	20				●	●	252318
DGHR/L 2525M5	5	25	25	150	25	25.2	20	DGJ50CE	M6x20	L5	●	●	252320
3232P5	5	32	32	170	32	32	20				●	●	252322
DGHR/L 2525M6	6	25	25	150	25	25.2	20	DGJ60CE	M6x20	L5	○	○	252324
3232P6	6	32	32	170	32	32	20				○	○	252326
GY2M Series Cutting Cut-Off/Grooving Toolholder													
GYHR/L 1616H2	2	16	16	100	16	16	18		M5x20	L4	○	○	252400
2020K2	2	20	20	125	20	20	20	GY2M0200	M6x20	L5	○	○	252402
2525M2	2	25	25	150	25	25	20				○	○	252404
GYHR/L 1616H3	3	16	16	100	16	16	18		M5x20	L4	○	○	252406
2020K3	3	20	20	125	20	20	20	GY2M0300 GY2M0318	M6x20	L5	○	○	252408
2525M3	3	25	25	150	25	25	20				○	○	252410
3232P3	3	32	32	170	32	32	20				○	○	252412
GYHR/L 1616H4	4	16	16	100	16	16	12				○	○	252414
2020K4	4	20	20	125	20	20	25	GY2M0400	M6x20	L5	○	○	252416
2525M4	4	25	25	150	25	25	25				○	○	252418
3232P4	4	32	32	170	32	32	25				○	○	252420
GYHR/L 2525M5	5	25	25	150	25	25	25	GY2M0500	M6x20	L5	○	○	252422
3232P5	5	32	32	170	32	32	25				○	○	252424

WGE

Cutting Environment																
● Stable Cutting ● General Cutting ✖ Unstable Cutting																
	P	M	K	N	S	H		P	M	K	N	S	H			
	Steel	Stainless Steel	Iron	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	Carbide/Powder Metallurgy	Titanium/Superalloy/Carbon Fiber		Steel	Stainless Steel	Iron	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	Carbide/Powder Metallurgy	Titanium/Superalloy/Carbon Fiber			
Application	Dimensioning	Product Image	Specification	Dimension			PCD	CBN-K	CBN-S	ZN60	ZK01	ZC250	ZC251	ZP152	ZP153	
	W	r _e	L	B	H	θ										
			WGE 20 30 40 50	2.0 0.2 20 - 4.7 - - 3.0 0.2 20 - 5.5 - - 4.0 0.2 25 - 5.7 - - 5.0 0.2 25 - 5.9 - -												
			WGR 30 40 50	3.0 1.5 20 - 5.5 - - 4.0 2.0 25 - 5.7 - - 5.0 2.5 25 - 5.9 - -												
			WGE 20R 30R 40R 50R	2.0 0.2 20 - 4.7 - - 3.0 0.2 20 - 5.5 - - 4.0 0.2 25 - 5.7 - - 5.0 0.2 25 - 5.9 - -												
			WGE 20L 30L 40L 50L	2.0 0.2 20 - 4.7 - - 3.0 0.2 20 - 5.5 - - 4.0 0.2 25 - 5.7 - - 5.0 0.2 25 - 5.9 - -												



(Inserts): A40/B98 (Toolholder Parts): P01-P04 R-Type

Ordering code	Dimensions							Insert	Screw	Wrench	Stock		Order Number
	W	b	h	L	h1	f	Tmax				R	L	
CGWSR/L 1616-W20-L	2	16	16	100	16	16.4	15	WGE20	M5x20	L4	●	●	253100
2020-W20-L	2	20	20	125	20	20.4	15	WGE20R/L	M6x20	L5	●	●	253102
2525-W20-L	2	25	25	150	25	25.4	15		M6x20	L5	●	●	253104
CGWSR/L 1616-W30-L	3	16	16	100	16	16.4	16.5	WGE30	M5x20	L4	●	●	253106
2020-W30-L	3	20	20	125	20	20.4	16.5	WGE30R/L WGT30 WGR30	M6x20	L5	●	●	253108
2525-W30-L	3	25	25	150	25	25.4	16.5		M6x20	L5	●	●	253110
CGWSR/L 2020-W40-L	4	20	20	125	20	20.4	21	WGE40, WGE40R/L WGT40, WGR40	M6x20	L5	●	●	253112
2525-W40-L	4	25	25	150	25	25.4	21		M6x20	L5	●	●	253114
CGWSR/L 2020-W50-L	5	20	20	125	20	20.4	21	WGE50, WGE50R/L WGT50, WGR50	M6x20	L5	●	●	253116
2525-W50-L	5	25	25	150	25	25.4	21		M6x20	L5	●	●	253118
Spring Steel Shock-Proof Toolholder (Shock-Proof Effect > 4 Times Toolholder Diameter)													
T-CGWSR/L 1616-W20	2	16	16	100	16	16.4	15	WGE20	M5x20	L4	●	●	253120
2020-W20	2	20	20	125	20	20.4	15	WGE20R/L	M6x20	L5	●	●	253122
2525-W20	2	25	25	150	25	25.4	15		M6x20	L5	●	●	253124
T-CGWSR/L 1616-W30	3	16	16	100	16	16.4	16.5	WGE30	M5x20	L4	●	●	253126
2020-W30	3	20	20	125	20	20.4	16.5	WGE30R/L WGT30 WGR30	M6x20	L5	●	●	253128
2525-W30	3	25	25	150	25	25.4	16.5		M6x20	L5	●	●	253130
T-CGWSR/L 2020-W40	4	20	20	125	20	20.4	21	WGE40, WGE40R/L WGT40, WGR40	M6x20	L5	●	●	253132
2525-W40	4	25	25	150	25	25.4	21		M6x20	L5	●	●	253134
T-CGWSR/L 2020-W50	5	20	20	125	20	20.4	21	WGE50, WGE50R/L WGT50, WGR50	M6x20	L5	●	●	253136
2525-W50	5	25	25	150	25	25.4	21		M6x20	L5	●	●	253138