

● first choice
○ alternate choice

P	●	●	○	○	○
M	●	●	○	○	○
K	●	●	○	○	○
N	●	●	●	●	●
S	●	●	●	●	●
H	○	○	○	○	○

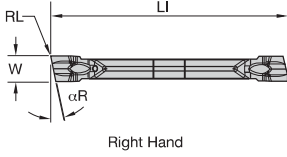
■ WMT-CM

Grooving and Cut-Off

catalogue number	seat size	W	RR	LI	hand	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTC015N00CM08	1	1,50	0,08	19,30	N - Neutral	●	●	○	○	○
WMTC020N00CM08	2	2,00	0,08	19,21	N - Neutral	●	●	○	○	○
WMTC094N00CM13	2B	2,39	0,13	22,32	N - Neutral	●	●	○	○	○
WMTC030N00CM17	3	3,00	0,17	25,40	N - Neutral	●	●	○	○	○
WMTC125N00CM17	3	3,17	0,17	25,41	N - Neutral	●	●	○	○	○
WMTC040N00CM17	4	4,00	0,17	25,40	N - Neutral	●	●	○	○	○
WMTC015L05CM08	1	1,50	0,08	19,31	L - Left	●	●	○	○	○
WMTC020L05CM08	2	1,99	0,08	19,21	L - Left	●	●	○	○	○
WMTC020L12CM08	2	2,00	0,08	19,25	L - Left	●	●	○	○	○
WMTC030L12CM17	3	3,00	0,17	25,40	L - Left	●	●	○	○	○
WMTC030L05CM17	3	3,00	0,17	25,40	L - Left	●	●	○	○	○
WMTC040L12CM17	4	4,00	0,17	25,40	L - Left	●	●	○	○	○
WMTC040L05CM17	4	4,00	0,17	25,40	L - Left	●	●	○	○	○

(continued)

(WMT-CM – continued)

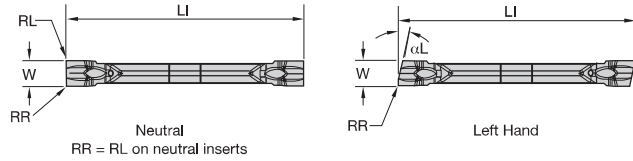


● first choice
○ alternate choice

P	●	●	○	○	○
M	●	○	○	○	○
K	●	○	○	○	○
N	●	○	○	○	○
S	○	○	○	○	○
H	○	○	○	○	○

catalogue number	seat size	W	RL	LI	αR	hand	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTC015R12CM08	1	1,50	0,08	19,28	12	R - Right	●	●	○	○	○
WMTC015R05CM08	1	1,50	0,08	19,31	5	R - Right	●	●	○	○	○
WMTC020R05CM08	2	2,00	0,08	19,26	5	R - Right	●	●	○	○	○
WMTC020R12CM08	2	2,00	0,08	19,26	12	R - Right	●	●	○	○	○
WMTC094R12CM13	2B	2,39	0,13	22,28	12	R - Right	●	●	○	○	○
WMTC094R05CM13	2B	2,39	0,13	22,32	5	R - Right	●	●	○	○	○
WMTC030R05CM17	3	3,00	0,17	25,40	5	R - Right	●	●	○	○	○
WMTC030R12CM17	3	3,00	0,17	25,40	12	R - Right	●	●	○	○	○
WMTC125R05CM17	3	3,17	0,17	25,40	5	R - Right	●	●	○	○	○
WMTC125R12CM17	3	3,18	0,17	25,40	12	R - Right	●	●	○	○	○
WMTC040R12CM17	4	4,00	0,17	25,40	12	R - Right	●	●	○	○	○
WMTC040R05CM17	4	4,00	0,17	25,40	5	R - Right	●	●	○	○	○





● first choice
○ alternate choice

P	●	●	○	○	○
M	●	●	●	●	○
K	●	●	○	○	○
N	●	●	●	●	●
S	●	●	●	●	●
H	○	○	○	○	○

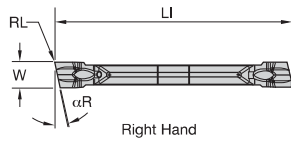
■ **WMT-CM-W**

Grooving and Cut-Off

catalogue number	seat size	W	RR	LI	hand	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT	
WMTC015N00CMW08	1	1,50	0,08	19,30	N - Neutral	■	■	■	4169669	■	
WMTC020N00CMW08	2	2,00	0,08	19,21	N - Neutral	■	■	■	4169674	■	
WMTC094N00CMW13	2B	2,39	0,13	22,32	N - Neutral	■	■	■	4169577	■	
WMTC030N00CMW17	3	3,00	0,17	25,40	N - Neutral	■	■	■	4169683	■	
WMTC125N00CMW17	3	3,18	0,17	25,41	N - Neutral	■	■	■	4169663	■	
WMTC040N00CMW17	4	4,00	0,17	25,40	N - Neutral	■	■	■	4169693	■	
catalogue number	seat size	W	RR	LI	αL	hand	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTC020L12CMW08	2	2,00	0,08	19,27	12	L - Left	■	■	■	4169681	■
WMTC030L12CMW17	3	3,00	0,17	25,40	12	L - Left	■	■	■	4169691	■
WMTC030L05CMW17	3	3,00	0,17	25,40	5	L - Left	■	■	■	4169687	■

(continued)

(WMT-CM-W – continued)



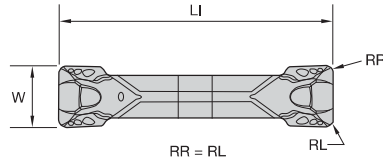
● first choice
○ alternate choice

P	●	●	○	○
M	●	●	○	○
K	●	●	○	○
N	●	●	●	●
S	●	●	●	●
H	○	○	○	○

catalogue number	seat size	W	RL	LI	αR	hand	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTC020R05CMW08	2	2,00	0,08	19,20	5	R - Right	●	●	○	○	○
WMTC020R12CMW08	2	2,00	0,08	19,27	12	R - Right	●	●	○	○	○
WMTC094R12CMW13	2B	2,39	0,13	22,29	12	R - Right	●	●	○	○	○
WMTC094R05CMW13	2B	2,39	0,13	22,32	5	R - Right	●	●	○	○	○
WMTC030R05CMW17	3	3,00	0,17	25,40	5	R - Right	●	●	○	○	○
WMTC030R12CMW17	3	3,00	0,17	25,40	12	R - Right	●	●	○	○	○
WMTC125R05CMW17	3	3,17	0,17	25,41	5	R - Right	●	●	○	○	○
WMTC125R12CMW17	3	3,17	0,17	25,41	12	R - Right	●	●	○	○	○



Grooving and Cut-Off



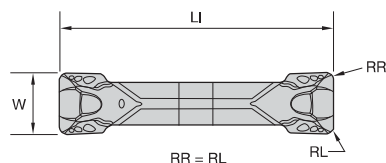
● first choice
○ alternate choice

P	●	●	○	○	○
M	●	●	●	●	○
K	●	●	○	○	○
N	●	●	●	●	●
S	●	●	●	●	●
H	○	○	○	○	○

■ **WMT-U-PT • Moulded**

Grooving and Cut-Off

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS205M2U02PT	2	2,05	0,15	19,23	4169554	4169555	4116131	4116132	○
WMTS305M3U03PT	3	3,05	0,31	25,81	4169556	4169557	4113568	4113569	○
WMTS305M3U06PT	3	3,05	0,61	25,78	4169558	4169559	4113570	4113571	○
WMTS405M4U03PT	4	4,05	0,31	25,53	4169560	4169561	4113577	4113578	○
WMTS405M4U06PT	4	4,05	0,61	25,53	4169562	4169563	4113579	4113580	○
WMTS505M5U03PT	5	5,05	0,30	28,76	4169564	4169565	4116148	4116149	○
WMTS505M5U06PT	5	5,05	0,61	28,76	4169566	4169567	4116150	4116151	○
WMTS605M6U03PT	6	6,05	0,30	28,76	4169568	4169569	4117253	4117254	○
WMTS605M6U06PT	6	6,05	0,59	28,76	4169570	4169571	4117255	4117256	○
WMTS805M8U06PT	8	8,05	0,61	28,70	4169572	4169573	4117261	4117262	○
WMTS805M8U15PT	8	8,05	1,50	28,71	4169574	4169575	4117263	4117264	○



● first choice
○ alternate choice

P	●	●	○	○	○
M	●	●	●	●	○
K	●	●	○	○	○
N	●	●	●	●	●
S	●	●	●	●	●
H	○	○	○	○	○

■ **WMT-P-PT • Precision**

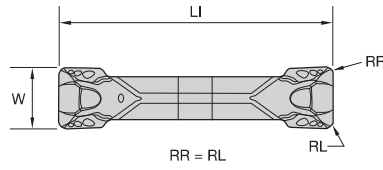
catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS200M2P02PT	2	2,00	0,15	19,10	●	●	○	○	○
WMTS094I2BP02PT	2B	2,38	0,15	22,15	●	●	○	○	○
WMTS094I2BP04PT	2B	2,38	0,38	22,14	●	●	○	○	○
WMTS300M3P03PH	3	3,00	0,30	25,65	●	●	○	○	○
WMTS300M3P03PT	3	3,00	0,31	25,65	●	●	○	○	○
WMTS300M3P06PH	3	3,00	0,60	25,65	●	●	○	○	○
WMTS300M3P06PT	3	3,00	0,61	25,65	●	●	○	○	○
WMTS125I3P03PT	3	3,17	0,23	25,40	●	●	○	○	○
WMTS125I3P08PT	3	3,17	0,76	25,40	●	●	○	○	○
WMTS125I3P03PH	3	3,18	0,25	25,40	●	●	○	○	○
WMTS125I3P08PH	3	3,18	0,75	25,40	●	●	○	○	○
WMTS156I4P03PH	4	3,95	0,30	25,40	●	●	○	○	○
WMTS156I4P08PH	4	3,96	0,75	25,40	●	●	○	○	○
WMTS400M4P03PH	4	4,00	0,30	25,40	●	●	○	○	○
WMTS400M4P03PT	4	4,00	0,31	25,40	●	●	○	○	○
WMTS400M4P06PH	4	4,00	0,60	25,40	●	●	○	○	○



Grooving and Cut-Off

(continued)

(WMT-P-PT • Precision — continued)



● first choice
○ alternate choice

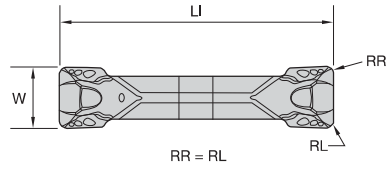
P	●	●	○	○	○
M	●	●	○	○	○
K	●	●	○	○	○
N	●	●	●	●	●
S	●	●	●	●	●
H	○	○	○	○	○

Grooving and Cut-Off

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS400M4P06PT	4	4,00	0,60	25,40	●	●	○	○	○
WMTS188I5P03PT	5	4,76	0,26	28,63	●	●	○	○	○
WMTS188I5P03PH	5	4,77	0,25	28,63	●	●	○	○	○
WMTS188I5P08PH	5	4,77	0,75	28,63	●	●	○	○	○
WMTS188I5P08PT	5	4,77	0,76	28,63	●	●	○	○	○
WMTS500M5P03PH	5	5,00	0,30	28,63	●	●	○	○	○
WMTS500M5P03PT	5	5,00	0,30	28,63	●	●	○	○	○
WMTS500M5P06PH	5	5,00	0,60	28,63	●	●	○	○	○
WMTS500M5P06PT	5	5,00	0,61	28,63	●	●	○	○	○
WMTS600M6P03PH	6	6,00	0,30	28,63	●	●	○	○	○
WMTS600M6P03PT	6	6,00	0,30	28,63	●	●	○	○	○
WMTS600M6P06PT	6	6,00	0,58	28,63	●	●	○	○	○
WMTS600M6P06PH	6	6,00	0,60	28,63	●	●	○	○	○
WMTS250I6P08PH	6	6,32	0,75	28,63	●	●	○	○	○

(continued)

(WMT-P-PT • Precision — continued)

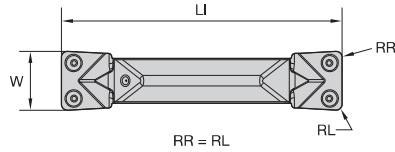


● first choice
○ alternate choice

P	●	●	○	○	
M	●	●	○	○	
K	●	●	○	○	
N	●	●	●	●	
S	●	●	●	●	
H	○				

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS250I6P08PT	6	6,34	0,76	28,63	●		●	●	○
WMTS250I6P03PH	6	6,35	0,25	28,63	●		●	●	○
WMTS250I6P03PT	6	6,35	0,25	28,63	●		●	●	○
WMTS312I8P03PH	8	7,92	0,25	28,57	●		●	●	○
WMTS312I8P08PH	8	7,92	0,75	28,57	●		●	●	○
WMTS800M8P03PH	8	8,00	0,30	28,57	●		●	●	○
WMTS800M8P06PH	8	8,00	0,60	28,57	●		●	●	○
WMTS800M8P06PT	8	8,00	0,61	28,57	●		●	●	○
WMTS800M8P15PT	8	8,00	1,50	28,57	●		●	●	○

Grooving and Cut-Off



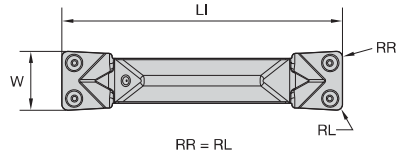
● first choice
○ alternate choice

P	●	●	○	○	
M	●	○	○	○	
K	●	○	○	○	
N	○	○	○	○	
S	○	○	○	○	
H	○	○	○	○	

■ WMT-U-PH • Moulded

Grooving and Cut-Off

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS305M3U03PH	3	3,05	0,30	25,81	●	●	○	○	○
WMTS305M3U06PH	3	3,05	0,60	25,81	●	●	○	○	○
WMTS405M4U03PH	4	4,05	0,30	25,53	●	●	○	○	○
WMTS405M4U06PH	4	4,05	0,60	25,53	●	●	○	○	○
WMTS505M5U03PH	5	5,05	0,30	28,76	●	●	○	○	○
WMTS505M5U06PH	5	5,05	0,60	28,76	●	●	○	○	○
WMTS605M6U03PH	6	6,05	0,30	28,76	●	●	○	○	○
WMTS605M6U06PH	6	6,05	0,60	28,76	●	●	○	○	○
WMTS805M8U03PH	8	8,05	0,30	28,70	●	●	○	○	○
WMTS805M8U06PH	8	8,05	0,60	28,70	●	●	○	○	○



● first choice
○ alternate choice

P	●	●	○	○	
M	●	●	○	○	
K	●	●	○	○	
N	●	●	○	○	
S	●	●	○	○	
H			○		

■ **WMT-P-PH • Precision**

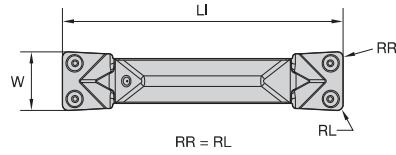
catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS300M3P03PH	3	3,00	0,30	25,65	●	●	○	○	
WMTS300M3P06PH	3	3,00	0,60	25,65	●	●	○	○	
WMTS125I3P03PH	3	3,18	0,25	25,40	●	●	○	○	
WMTS125I3P08PH	3	3,18	0,75	25,40	●	●	○	○	
WMTS156I4P03PH	4	3,95	0,30	25,40	●	●	○	○	
WMTS156I4P08PH	4	3,96	0,75	25,40	●	●	○	○	
WMTS400M4P03PH	4	4,00	0,30	25,40	●	●	○	○	
WMTS400M4P06PH	4	4,00	0,60	25,40	●	●	○	○	
WMTS188I5P03PH	5	4,77	0,25	28,63	●	●	○	○	
WMTS188I5P08PH	5	4,77	0,75	28,63	●	●	○	○	

(continued)



Grooving and Cut-Off

(WMT-P-PH • Precision — continued)

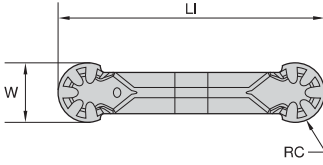


● first choice
○ alternate choice

P	●	●	○	○	
M	●	●	○	○	
K	●	●	○	○	
N	●	●	●	●	
S	●	●	●	●	
H	○				

Grooving and Cut-Off

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS500M5P03PH	5	5,00	0,30	28,63	●	●	○	○	
WMTS500M5P06PH	5	5,00	0,60	28,63	●	●	○	○	
WMTS600M6P03PH	6	6,00	0,30	28,63	●	●	○	○	
WMTS600M6P06PH	6	6,00	0,60	28,63	●	●	○	○	
WMTS250I6P08PH	6	6,32	0,75	28,63	●	●	○	○	
WMTS250I6P03PH	6	6,35	0,25	28,63	●	●	○	○	
WMTS312I8P03PH	8	7,92	0,25	28,57	●	●	○	○	
WMTS312I8P08PH	8	7,92	0,75	28,57	●	●	○	○	
WMTS800M8P03PH	8	8,00	0,30	28,57	●	●	○	○	
WMTS800M8P06PH	8	8,00	0,60	28,57	●	●	○	○	



● first choice
○ alternate choice

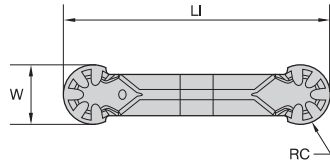
P	●	●	○	○	
M	●	●	○	○	
K	●	●	○	○	
N	●	●	○	○	
S	●	●	○	○	
H	○				

■ WMT-U-PC • Moulded

catalogue number	seat size	W	RC	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTR305M3UPC	3	3,05	1,53	25,53	4170174	4170174	4170172	4170173	4170173
WMTR405M4UPC	4	4,05	2,03	25,58	4170179	4170179	4170177	4170178	4170178
WMTR505M5UPC	5	5,05	2,53	29,01	4170184	4170184	4170182	4170183	4170183
WMTR605M6UPC	6	6,05	3,03	28,77	4170189	4170189	4170187	4170188	4170188
WMTR805M8UPC	8	8,05	4,03	29,22	4170194	4170194	4170192	4170193	4170193



Grooving and Cut-Off



● first choice
○ alternate choice

P	●	●	○	○	
M	●	●	○	○	
K	●	●	○	○	
N	●	●	●	●	
S	●	●	●	●	
H	○				

■ WMT-P-PC • Precision

Grooving and Cut-Off

catalogue number	seat size	W	RC	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTR300M3PPC	3	3,00	1,50	25,40	●	●	○	○	
WMTR400M4PPC	4	4,00	2,00	25,45	●	●	○	○	
WMTR188I5PPC	5	4,78	2,39	28,65	●	●	○	○	
WMTR500M5PPC	5	5,00	2,50	28,88	●	●	○	○	
WMTR600M6PPC	6	6,00	3,00	28,65	●	●	○	○	
WMTR250I6PPC	6	6,36	3,18	29,01	●	●	○	○	
WMTR312I8PPC	8	7,94	3,96	29,00	●	●	○	○	
WMTR800M8PPC	8	8,00	4,00	29,08	●	●	○	○	

NOVO KNOWS SEARCH

Searching for a tool by using the outdated method of a catalogue has been replaced with the Advise and Select functions from NOVO™ — saving you time and money.

ADVISE

Uses a rules-based approach to provide cutting tool recommendations:

- Define Machining Feature (face milling, slotting, blind hole, etc.)
- Apply Constraint Requirements (geometric, material, tolerance, etc.)
- Set Machining Sequence (single or multi-step operations, rough then finish, etc.)
- Receive Ranked Results

SELECT

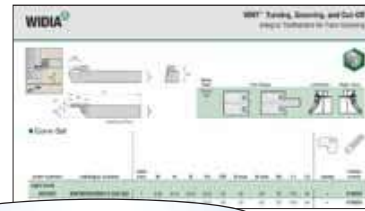
A method of selecting cutting tools from a tree structure via a hierarchy or parametric search:

- If you know which product you are looking for, a quick search can be performed by just the catalogue number or product description.
- Smart filters significantly reduce the amount of potential tooling solutions.
- After the tool is selected, NOVO also provides cutting and adaptive item options that fit with your solution.

NOVO can ensure you have the right tools on your machines, in the right sequence. Resulting in flawless execution that accelerates every job, and maximises every shift. widia.com/novo

WMT System

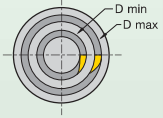
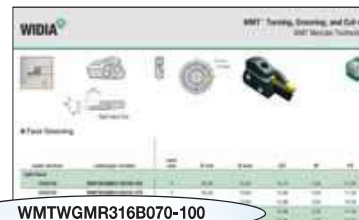
Our WMT toolholders now have a smart new naming system. Here are some examples of the improved nomenclature for our WMT Toolholders.



WMTBR2525M313038-052

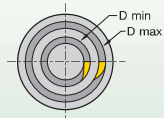
Integral Toolholders

WMT	B	R	2525	M	3	13	—	038-052
Tooling System	Tool Style	Hand	Shank Size	Tool Length	Seat Size	Max Grooving Depth		Face Grooving Diameter
WMT = Groove and Turn (WMT Insert)	S = Straight C = Straight with circular support E = End mount A = Straight, face grooving, curve in B = Straight, face grooving, curve out	R = Right hand L = Left hand	Height x Width in mm	H = 100 J = 110 K = 125 L = 140 M = 150 P = 170	1 2 2B 3 4 5 6 8	CD max in mm	D min – D max in mm (e.g., 70–100 = 70mm D min 100 mm D max)	Diameters are min and max for outer face groove diameter 999 = unlimited D max

WMTWGMR316B070-100

Modular Blades

WMT	WGM	R	3	16	B	070-100
Tooling System	Connection Type	Hand	Seat Size	Max Grooving Depth	Tool Style	Face Grooving Diameter
		R = Right hand L = Left hand			A = Curve In B = Curve Out	



WGMSR2525


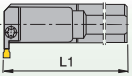
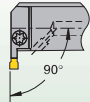
Modular Toolholders

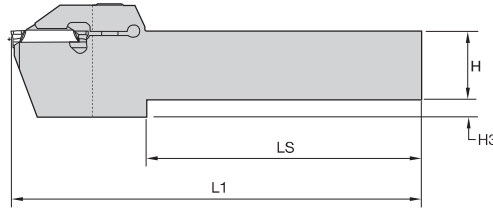
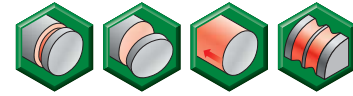
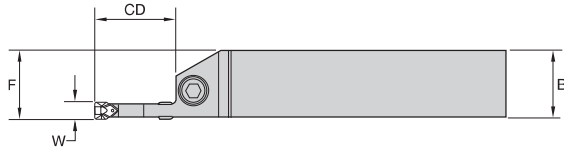
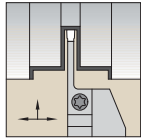
WGM	S	R	2525
Tooling System	Tool Style	Hand	Shank Size
<p>MDG = Modular Deep Grooving</p> <p>WGM = Modular Serrated Locking System</p>	<p>S = Straight</p> <p>E = End mount</p>	<p>R = Right hand</p> <p>L = Left hand</p>	



A25RWMTER0316M

Integral Boring Bars

A	25	R	WMT	E	R	03	16	M																																				
Steel Bar with Coolant	Bar Diameter	Bar Length	WMT™ Groove and Turn System	Tool Style	Hand	Seat Size	Max Grooving Depth	Tool Units																																				
					<p>R = Right hand</p> <p>L = Left hand</p>			<p>N = Inch</p> <p>M = Metric</p>																																				
		<table border="1"> <tr> <th>metric bars:</th> <th>inch bars:</th> </tr> <tr> <td>R = 200mm</td> <td>R = 8"</td> </tr> <tr> <td>S = 250mm</td> <td>S = 10"</td> </tr> <tr> <td>T = 300mm</td> <td>T = 12"</td> </tr> </table>	metric bars:	inch bars:	R = 200mm	R = 8"	S = 250mm	S = 10"	T = 300mm	T = 12"		<p>E = End mounted (90°)</p>		<table border="1"> <tr> <th>pocket seat size</th> <th>cutting width (mm)</th> </tr> <tr> <td>02</td> <td>2,00–2,62</td> </tr> <tr> <td>2B</td> <td>2,39–2,62</td> </tr> <tr> <td>03</td> <td>3,0–3,05</td> </tr> <tr> <td>04</td> <td>4,0–4,05</td> </tr> <tr> <td>05</td> <td>5,0–5,05</td> </tr> <tr> <td>06</td> <td>6,0–6,05</td> </tr> <tr> <td>08</td> <td>8,0–8,05</td> </tr> <tr> <td>10</td> <td>10,0–10,05</td> </tr> </table>	pocket seat size	cutting width (mm)	02	2,00–2,62	2B	2,39–2,62	03	3,0–3,05	04	4,0–4,05	05	5,0–5,05	06	6,0–6,05	08	8,0–8,05	10	10,0–10,05		<p>conversions:</p> <table border="1"> <tr> <th>mm</th> <th>inch</th> </tr> <tr> <td>7mm</td> <td>.28"</td> </tr> <tr> <td>10mm</td> <td>.39"</td> </tr> <tr> <td>12mm</td> <td>.47"</td> </tr> <tr> <td>16mm</td> <td>.63"</td> </tr> </table>	mm	inch	7mm	.28"	10mm	.39"	12mm	.47"	16mm	.63"
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Right Hand Tool

Grooving and Cut-Off

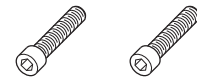
■ O.D. Grooving and Cut-Off

order number	catalogue number	seat size	W	H	B	CD	F	H3	L1	LS	clamp screw	clamp screw
right hand												
3650516	WMTSR2525M116	1	1,50	25,0	25,0	17	25,0	—	150	116	606249	—
3650456	WMTSR1616K216	2	2,00	16,0	16,0	17	16,0	6	125	101	606249	—
3650458	WMTSR2020K216	2	2,00	20,0	20,0	17	20,0	—	125	92	606249	—
3650506	WMTSR2525M216	2	2,00	25,0	25,0	17	25,0	—	150	116	606249	—
3539172	WMTSR1616K2B19	2B	2,38	16,0	16,0	24	15,9	5	125	88	—	MS326
3539174	WMTSR2020K2B19	2B	2,38	20,0	20,0	24	19,9	5	125	88	—	MS326
3539221	WMTSR2525M2B19	2B	2,38	25,0	25,0	24	24,9	—	150	113	—	MS326
3650460	WMTSR1616K311	3	3,00	16,0	16,0	11	16,0	—	125	93	—	619205
3650462	WMTSR1616K322	3	3,00	16,0	16,0	22	16,0	5	125	85	—	619205
3650468	WMTSR2020K311	3	3,00	20,0	20,0	11	20,0	—	125	93	—	619205
3650470	WMTSR2020K322	3	3,00	20,0	20,0	22	20,0	5	125	85	—	619205
3650479	WMTSR2525M311	3	3,00	25,0	25,0	11	25,0	—	150	118	—	619205
3650481	WMTSR2525M322	3	3,00	25,0	25,0	22	25,0	—	150	110	—	619205
3650502	WMTSR1616411	4	4,00	16,0	16,0	11	16,0	—	125	92	—	619205
3650464	WMTSR1616K422	4	4,00	16,0	16,0	22	16,0	5	125	83	—	619205
3653751	WMTSR2020K20	4	4,00	20,0	20,0	22	20,0	5	125	83	—	619205
3650504	WMTSR2020K411	4	4,00	20,0	20,0	11	20,0	—	125	92	—	619205
3653752	WMTSR2525M11	4	4,00	25,0	25,0	11	25,0	—	150	117	—	619205
3650483	WMTSR2525M422	4	4,00	25,0	25,0	22	25,0	—	150	109	—	619205
3650466	WMTSR1616K514	5	5,00	16,0	16,0	14	16,0	—	125	88	—	619168
3650473	WMTSR2020K514	5	5,00	20,0	20,0	14	20,0	—	125	88	—	619168
3650475	WMTSR2020L525	5	5,00	20,0	20,0	15	20,0	5	140	93	—	619168
3650485	WMTSR2525M514	5	5,00	25,0	25,0	14	25,0	—	150	115	—	619168
3650487	WMTSR2525M525	5	5,00	25,0	25,0	25	25,0	—	150	104	—	619168
3650477	WMTSR2020L614	6	6,00	20,0	20,0	14	20,0	—	140	103	—	619168
3650489	WMTSR2525M614	6	6,00	25,0	25,0	14	25,0	—	150	114	—	619168
3650491	WMTSR2525M625	6	6,00	25,0	25,0	25	25,0	—	150	104	—	619168
3650494	WMTSR2525M814	8	8,00	25,0	25,0	14	25,0	—	150	113	—	619168
3650496	WMTSR2525M825	8	8,00	25,0	25,0	25	25,0	—	150	104	—	619168
3650498	WMTSR3232M814	8	8,00	32,0	32,0	14	32,0	—	150	113	—	619168
3650500	WMTSR3232M825	8	8,00	32,0	32,0	25	32,0	—	150	104	—	619168

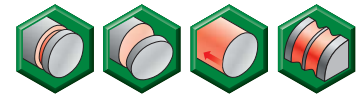
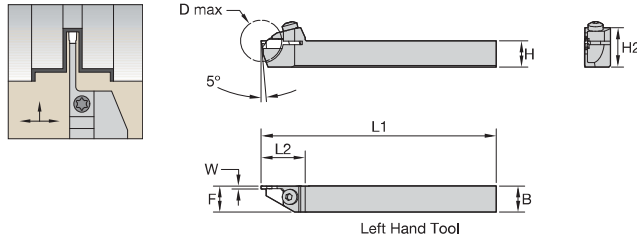
(continued)

(O.D. Grooving and Cut-Off – continued)

order number	catalogue number	seat size	W	H	B	CD	F	H3	L1	LS	clamp screw	clamp screw
left hand												
3653332	WMTSL2525M116	1	1,50	25,0	25,0	16	25,0	–	150	116	606249	–
3650457	WMTSL1616K216	2	2,00	16,0	16,0	17	16,0	6	125	101	606249	–
3650459	WMTSL2020K216	2	2,00	20,0	20,0	17	20,0	–	125	92	606249	–
3650507	WMTSL2525M216	2	2,00	25,0	25,0	17	25,0	–	150	116	606249	–
3539173	WMTSL1616K2B19	2B	2,38	16,0	16,0	24	15,9	5	125	88	–	MS326
3539175	WMTSL2020K2B19	2B	2,38	20,0	20,0	24	19,9	5	125	88	–	MS326
3650461	WMTSL1616K311	3	3,00	16,0	16,0	11	16,0	–	125	93	–	619205
3650463	WMTSL1616K322	3	3,00	16,0	16,0	22	16,0	5	125	85	–	619205
3650469	WMTSL2020K311	3	3,00	20,0	20,0	11	20,0	–	125	93	–	619205
3650471	WMTSL2020K322	3	3,00	20,0	20,0	22	20,0	5	125	85	–	619205
3650480	WMTSL2525M311	3	3,00	25,0	25,0	11	25,0	–	150	118	–	619205
3650482	WMTSL2525M322	3	3,00	25,0	25,0	22	25,0	–	150	110	–	619205
3650465	WMTSL1616K422	4	4,00	16,0	16,0	22	16,0	5	125	83	–	619205
3650472	WMTSL2020K22	4	4,00	20,0	20,0	22	20,0	5	125	83	–	619205
3650505	WMTSL2020K411	4	4,00	20,0	20,0	11	20,0	–	125	92	–	619205
3653763	WMTSL2525M11	4	4,00	25,0	25,0	11	25,0	–	150	117	–	619205
3650484	WMTSL2525M422	4	4,00	25,0	25,0	22	25,0	–	150	109	–	619205
3650467	WMTSL1616K514	5	5,00	16,0	16,0	14	16,0	–	125	88	–	619168
3650474	WMTSL2020K514	5	5,00	20,0	20,0	14	20,0	–	125	88	–	619168
3650486	WMTSL2525M514	5	5,00	25,0	25,0	14	25,0	–	150	113	–	619168
3650488	WMTSL2525M525	5	5,00	25,0	25,0	25	25,0	–	150	104	–	619168
3650478	WMTSL2020L614	6	6,00	20,0	20,0	14	20,0	–	140	103	–	619168
3650490	WMTSL2525M614	6	6,00	25,0	25,0	14	25,0	–	150	114	–	619168
3650493	WMTSL2525M625	6	6,00	25,0	25,0	25	25,0	–	150	104	–	619168
3650495	WMTSL2525M814	8	8,00	25,0	25,0	14	25,0	–	150	113	–	619168
3650497	WMTSL2525M825	8	8,00	25,0	25,0	25	25,0	–	150	104	–	619168
3650499	WMTSL3232M814	8	8,00	32,0	32,0	14	32,0	–	150	113	–	619168
3650501	WMTSL3232M825	8	8,00	32,0	32,0	25	32,0	–	150	104	–	619168



Grooving and Cut-Off



■ Swiss Grooving and Cut-Off • Metric

Grooving and Cut-Off

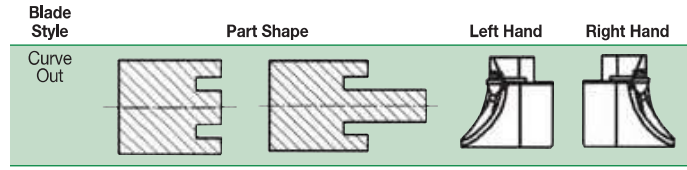
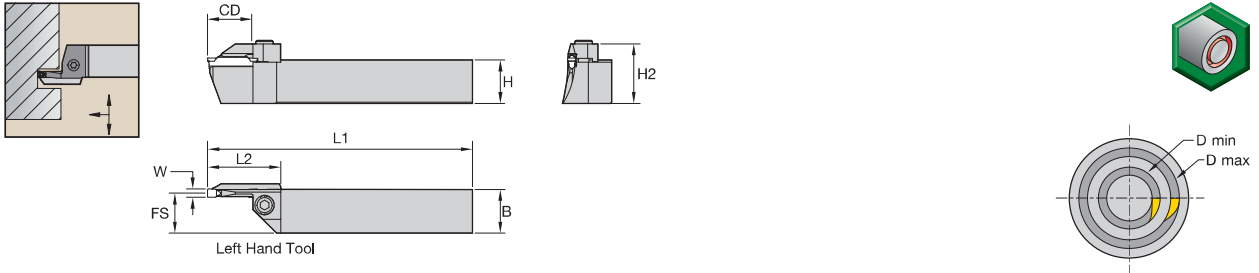


order number	catalogue number	seat size	W	H	B	F	D max	H2	L1	L2	clamp screw
right hand											
3650508	WMTCR1010H110	1	1,50	10,0	10,0	10,0	20	16	100	21	606249
3650510	WMTCR1212H110	1	1,50	12,0	12,0	12,0	20	18	100	21	606249
3650512	WMTCR1616K113	1	1,50	16,0	15,9	16,0	26	24	125	24	606266
3650514	WMTCR2020K113	1	1,50	20,0	19,9	20,0	26	28	125	24	606266
3653413	WMTCR1010H210	2	2,00	10,0	10,0	10,0	20	16	100	21	606249
3653415	WMTCR1212H210	2	2,00	12,0	12,0	12,0	20	18	100	21	606249
3653417	WMTCR1616K213	2	2,00	16,0	15,8	16,0	26	24	125	24	606266
3653419	WMTCR2020K213	2	2,00	20,0	19,8	20,0	26	28	125	24	606266
3539170	WMTCR1212H2B16	2B	2,38	12,0	11,7	11,9	32	23	100	30	606249
left hand											
3650509	WMTCL1010H110	1	1,50	10,0	10,0	10,0	20	16	100	21	606249
3650511	WMTCL1212H110	1	1,50	12,0	12,0	12,0	20	18	100	21	606249
3650513	WMTCL1616K113	1	1,50	16,0	15,9	16,0	26	24	125	24	606266
3650515	WMTCL2020K113	1	1,50	20,0	19,9	20,0	26	28	125	24	606266
3653414	WMTCL1010H210	2	2,00	10,0	10,0	10,0	20	16	100	21	606249
3653416	WMTCL1212H210	2	2,00	12,0	12,0	12,0	20	18	100	21	606249
3653418	WMTCL1616K213	2	2,00	16,0	15,8	16,0	26	24	125	24	606266
3653420	WMTCL2020K213	2	2,00	20,0	19,8	20,0	26	28	125	24	606266
3539171	WMTCL1212H2B16	2B	2,38	12,0	11,7	11,9	32	23	100	30	606249

NOTE: Insert exterior edge in line with toolholder edge for 10mm and 12mm shank toolholders.

Update to our latest style cut-off inserts for use in the above style toolholders.
These holders can be used in many machines including Stars, Citizens, Tsugami, and Tonos/DECO.

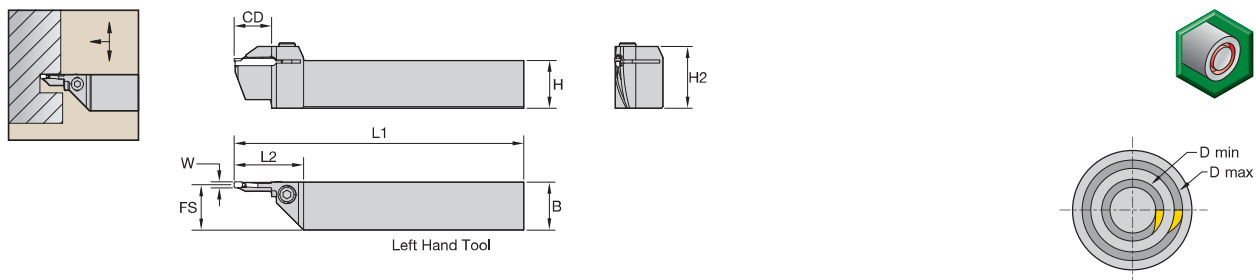
Insert Width	Lead Angle	Old Manchester Catalogue Number	Old Manchester Grade	WMT Cut-Off Insert	WMT Insert Grade	WIDIA™ Order Number
1,5mm	Neutral	583-165	M443B	WMTC015N00CM08	WU25PT	4169668
1,5mm	Right - 5°	583-166	M443B	WMTC015R05CM08	WU25PT	4169670
1,5mm	Right - 12°	583-168	M443B	WMTC015R12CM08	WU25PT	4169672
1,5mm	Left - 5°	583-167	M443B	WMTC015L05CM08	WU25PT	4169671
2,0mm	Neutral	583-170	M443B	WMTC020N00CM08	WU25PT	4169673
2,0mm	Right - 5°	583-170	M443B	WMTC020R05CM08	WU25PT	4169675
2,0mm	Right - 12°	583-173	M443B	WMTC020R12CM08	WU25PT	4169678
2,0mm	Left - 5°	583-172	M443B	WMTC020L05CM08	WU25PT	4169677
2,0mm	Left - 12°	583-174	M443B	WMTC020L12CM08	WU25PT	4169680
2,0mm	Neutral - Groove	583-129	M45 / M43	WMTS200M2P02PT	WU25PT	4116130
2,0mm	Neutral	583-125	M45 / M43	WMTC020N00CMW08	WU25PT	4169674
2,0mm	Right - 5°	583-126	M45 / M43	WMTC020R05CMW08	WU25PT	4169676
2,0mm	Right - 12°	583-128	M45 / M43	WMTC020R12CMW08	WU25PT	4169679
2,0mm	Left - 12°	583-129	M45 / M43	WMTC020L12CMW08	WU25PT	4169681



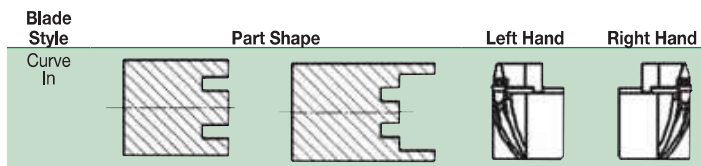
■ Curve Out

order number	catalogue number	seat size	W	H	B	FS	CD	D max	D min	H2	L1	L2	clamp	clamp screw
right hand														
3653421	WMTBR2525M313-038-052	3	3,00	24,8	24,8	23,5	13	52	38	32	150	34	—	619205
3653423	WMTBR2525M316-052-070	3	3,00	24,8	24,8	23,5	16	70	52	32	150	34	—	619205
3653425	WMTBR2525M316-070-100	3	3,00	24,8	24,8	23,5	16	100	70	32	150	34	—	619205
3653427	WMTBR2525M319-100-205	3	3,00	25,0	24,8	23,5	19	205	100	32	150	37	—	619205
3653764	WMTBR2525M412-032-052	4	4,00	24,8	24,8	23,0	13	52	32	32	150	34	—	619205
3653766	WMTBR2525M415-052-070	4	4,00	24,8	24,8	23,0	16	70	52	32	150	34	—	619205
3653770	WMTBR2525M418-100-205	4	4,00	24,8	24,8	23,0	19	205	100	32	150	37	—	619205
3653431	WMTBR2525M519-052-070	5	5,00	24,8	24,8	22,5	19	70	52	34	150	38	446102	619168
3653433	WMTBR2525M519-070-100	5	5,00	24,8	24,8	22,5	19	100	70	34	150	42	446104	619168
3653435	WMTBR2525M525-100-205	5	5,00	24,8	24,8	22,5	25	205	100	34	150	42	446104	619168
3653437	WMTBR2525M616-038-052	6	6,00	24,8	24,8	22,0	16	52	38	35	150	38	446102	619168
3653441	WMTBR2525M619-070-100	6	6,00	24,8	24,8	22,0	19	100	70	36	150	42	446104	619168
3653443	WMTBR2525M625-100-205	6	6,00	24,8	24,8	22,0	25	205	100	34	150	42	446104	619168
left hand														
3653422	WMTBL2525M313-038-052	3	3,00	24,8	24,8	23,5	13	52	38	32	150	34	—	619205
3653424	WMTBL2525M316-052-070	3	3,00	24,8	24,8	23,5	16	70	52	32	150	34	—	619205
3653426	WMTBL2525M316-070-100	3	3,00	24,8	24,8	23,5	16	100	70	32	150	34	—	619205
3653428	WMTBL2525M319-100-205	3	3,00	24,8	24,8	23,5	19	205	100	32	150	37	—	619205
3653765	WMTBL2525M412-032-052	4	4,00	24,8	24,8	23,0	13	52	32	32	150	34	—	619205
3653767	WMTBL2525M415-052-070	4	4,00	24,8	24,8	23,0	16	70	52	32	150	34	—	619205
3653769	WMTBL2525M415-070-100	4	4,00	24,8	24,8	23,0	16	100	70	32	150	34	—	619205
3653771	WMTBL2525M418-100-205	4	4,00	24,8	24,8	23,0	19	205	100	32	150	37	—	619205
3653432	WMTBL2525M519-052-070	5	5,00	24,8	24,8	22,5	19	70	52	34	150	38	446101	619168
3653434	WMTBL2525M519-070-100	5	5,00	24,8	24,8	22,5	19	100	70	34	150	42	446103	619168
3653436	WMTBL2525M525-100-205	5	5,00	24,8	24,8	22,5	25	205	100	34	150	42	446103	619168
3653438	WMTBL2525M616-038-052	6	6,00	24,8	24,8	22,0	16	52	38	35	150	38	446101	619168
3653444	WMTBL2525M625-100-205	6	6,00	24,8	24,8	22,0	25	205	100	34	150	42	446103	619168

NOTE: Initial cut of tool must be between D min and D max. Due to the insert being positioned 0,75mm above centre, minimum diameter after initial cut is 12,6mm.
Toolholders that accept 3mm and 4mm width inserts have an integral clamp.
Toolholders that accept 5mm and 6mm width inserts are supplied with a detachable clamp.



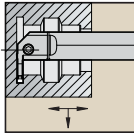
Grooving and Cut-Off



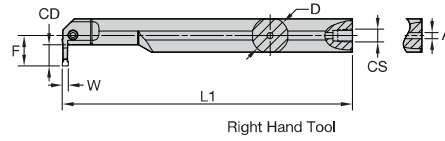
■ Curve In

order number	catalogue number	seat size	W	H	B	FS	CD	D max	D min	H2	L1	L2	clamp	clamp screw
right hand														
3634282	WMTAR2525M316-070-100	3	3,00	24,8	24,8	23,5	16	100	70	32	150	34	—	MS326
3634284	WMTAR2525M319-100-205	3	3,00	24,8	24,8	23,5	19	205	100	32	150	37	—	MS326
3634290	WMTAR2525M619-070-100	6	6,00	24,8	24,8	22,0	19	100	70	34	150	42	446104	619168
left hand														
3634283	WMTAL2525M316-070-100	3	3,00	24,8	24,8	23,5	16	100	70	32	150	34	—	MS326
3634285	WMTAL2525M319-100-205	3	3,00	24,8	24,8	23,5	19	205	100	32	150	37	—	MS326

NOTE: Initial cut of tool must be between D min and D max. Due to the insert being positioned 0,75mm above centre, minimum diameter after initial cut is 12,6mm.
Toolholders that accept 3mm and 4mm width inserts have an integral clamp.
Toolholders that accept 5mm and 6mm width inserts are supplied with a detachable clamp.



Steel shank with through coolant.



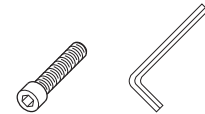
Right Hand Tool



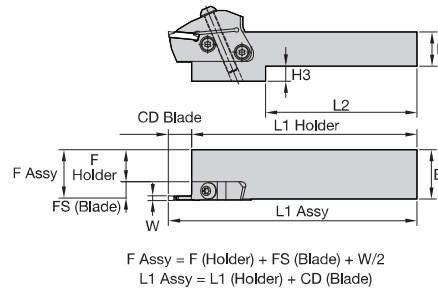
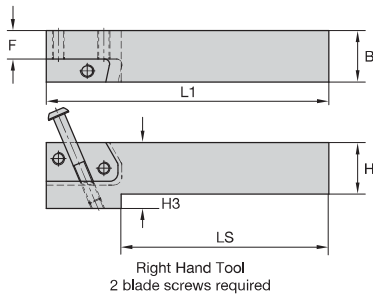
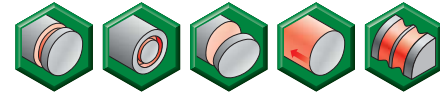
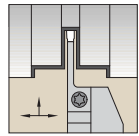
Right Hand Tool

■ I.D. Boring Bars

order number	catalogue number	insert size	W	F	CD	D	D min	L1	A	clamp screw	hex
right hand											
5423874	A25RWMTER0316M	3	3,00	26,0	16	25,00	41	200	6,40	619168	5 mm
5423875	A32SWMTER0319M	3	3,00	29,0	19	32,00	47	250	6,40	619168	5 mm
5423876	A25RWMTER0416M	4	4,00	26,0	16	25,00	41	200	6,40	619168	5 mm
5423877	A32SWMTER0419M	4	4,00	29,0	19	32,00	47	250	6,40	619168	5 mm
5423878	A32SWMTER0519M	5	5,00	29,0	19	32,00	47	250	6,40	619168	5 mm
5423879	A40TWMTER0522M	5	5,00	32,0	22	40,00	54	300	6,40	619168	5 mm
5423880	A32SWMTER0619M	6	6,00	29,0	19	32,00	47	250	6,40	619168	5 mm
5423881	A40TWMTER0622M	6	6,00	31,8	22	40,00	54	300	6,40	619168	5 mm
left hand											
5423882	A25RWMTEL0316M	3	3,00	26,0	16	25,00	41	200	6,40	619168	5 mm
5423883	A32SWMTEL0319M	3	3,00	29,0	19	32,00	47	250	6,40	619168	5 mm
5423884	A25RWMTEL0416M	4	4,00	26,0	16	25,00	41	200	6,40	619168	5 mm
5423885	A32SWMTEL0419M	4	4,00	29,0	19	32,00	47	250	6,40	619168	5 mm
5423886	A32SWMTEL0519M	5	5,00	29,0	19	32,00	47	250	6,40	619168	5 mm
5423887	A40TWMTEL0522M	5	5,00	32,0	22	40,00	54	300	6,40	619168	5 mm
5423888	A32SWMTEL0619M	6	6,00	29,0	19	32,00	47	250	6,40	619168	5 mm
5423889	A40TWMTEL0622M	6	6,00	31,8	22	40,00	54	300	6,40	619168	5 mm



Grooving and Cut-Off



Grooving and Cut-Off

■ Straight Mount • Grooving, Cut-Off, and Face Grooving

order number	catalogue number	H	B	L1	LS	F	H3	blade screw	Torx for blade screw	clamp screw	Torx for clamp screw
right hand											
5349628	WGMSR2020	20	20	108,0	68,00	8,84	12	MS2002	T25	MS1162	T25
5349629	WGMSR2525	25	25	126,0	95,78	13,84	7	MS2002	T25	MS1162	T25
5349641	WGMSR3232	32	32	126,0	69,85	20,81	—	MS2002	T25	MS1162	T25
left hand											
5349625	WGMSL1620	16	20	108,0	68,00	8,84	16	MS2002	T25	MS1162	T25
5349626	WGMSL2020	20	20	108,0	68,00	8,84	12	MS2002	T25	MS1162	T25
5349627	WGMSL2525	25	25	126,0	95,78	13,84	7	MS2002	T25	MS1162	T25
5349640	WGMSL3232	32	32	126,0	69,85	20,81	—	MS2002	T25	MS1162	T25

NOTE: Use the larger seat size toolholder for optimal performance.
Blade screws and clamp screw included with holder.

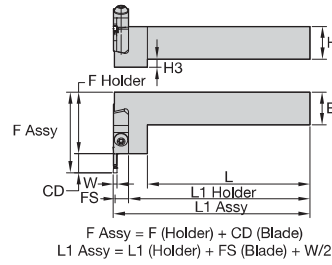
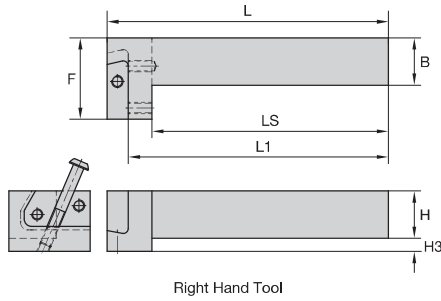
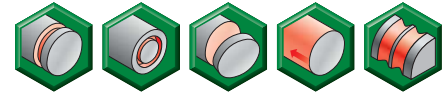
Toolholder Style	Hand of Holder	Hand of Blade
WGMS – Straight Mount	Right	Right
	Left	Left
WGME – End Mount	Right	Left
	Left	Right



Grooving and Cut-Off Blades found on page E38.



Face Grooving Blades found on page E39.



■ End Mount • Grooving, Cut-Off, and Face Grooving

order number	catalogue number	H	B	L	L1	LS	F	H3
right hand								
5514979	WGMER2525	25	25	150,3	139,3	125,25	42,75	9
5515021	WGMER3232	32	32	170,3	159,3	145,25	42,75	—
left hand								
5514978	WGME2525	25	25	150,3	139,3	125,25	42,75	9
5515020	WGME3232	32	32	170,3	159,3	145,25	42,75	—

Toolholder Style	Hand of Holder	Hand of Blade
WGMS — Straight Mount	Right	Right
	Left	Left
WGME — End Mount	Right	Left
	Left	Right



Grooving and Cut-Off Blades found on page E38.



Face Grooving Blades found on page E39.

Grooving and Cut-Off