WMT™ System •

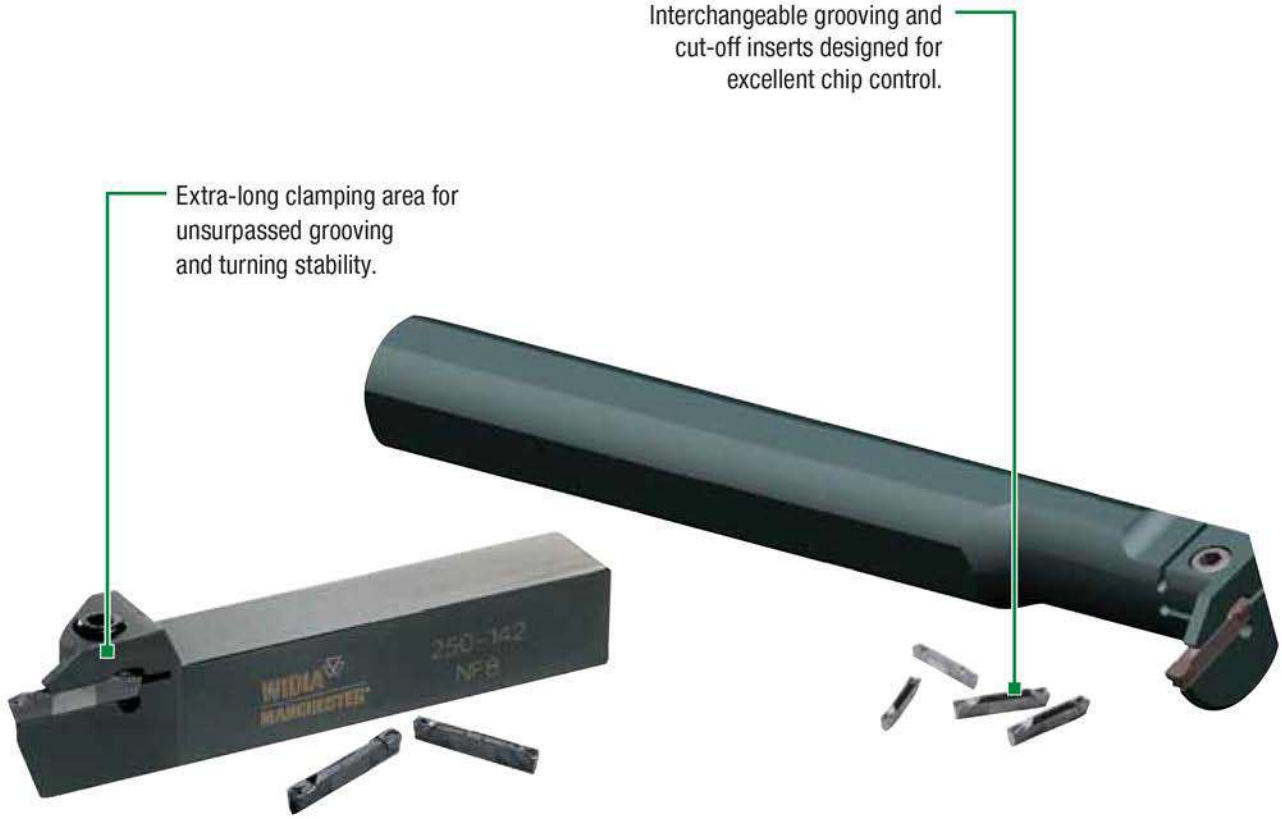
One Platform for Grooving, Face Grooving, Cut-Off, and Profiling

WMT

The WMT platform is the economical and reliable option for all your grooving, cut-off, turning, and profiling applications. Trust the WMT system to ensure precise insert positioning and provide only the most accurate machining with exceptionally fast cycle times and superior performance.

Versatile and Well-Constructed

- Specifically designed to increase speeds and feeds.
- Excellent geometry for even your most demanding deep grooving applications.
- The WMT system enables heavy stock removal in turning applications.
- Ensures finer surface finishes and a long, reliable tool life.



WMT™ Toolholders

- Outstanding system rigidity and clamping capabilities.
- Guarantees fast cycle times and limited turret indexes.
- Precise insert positioning for accurate machining.
- Double-V shape means operator-friendly insert indexing and optimum insert positioning.
- Choice of integral or modular holders.

The Most Advanced Turning Solutions in the Industry

For unsurpassed quality, value, and performance, look no further than the WIDIA™ comprehensive line of specially engineered and dependable grooving and cut-off solutions. All the tools you need from the reliable name you can trust!

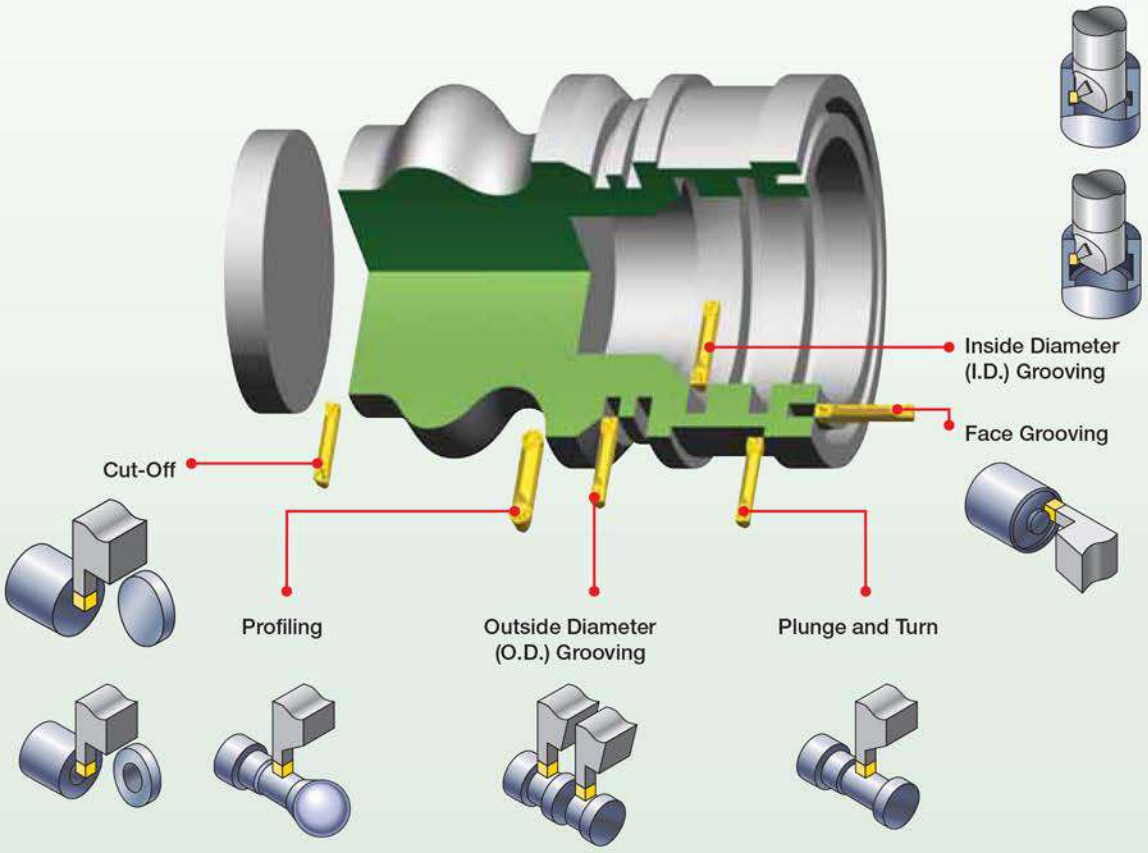
The WMT system, with its extra-long clamping area and precise insert positioning, ensures exceptionally fast and accurate machining, all-in-one tool, for your most demanding grooving, cut-off, turning, and profiling applications.

It is perfect for all general-purpose operations, including both shallow and deep grooving.

Utilise this handy, easy-to-use guide to identify and select the appropriate grooving and cut-off tools for your specific needs.

1 Choose the application to be performed:

Groove depth, width, and profile.



2 Identify the material to be machined:

Each tool has a material grid marked with a letter indicating the materials that can be machined.

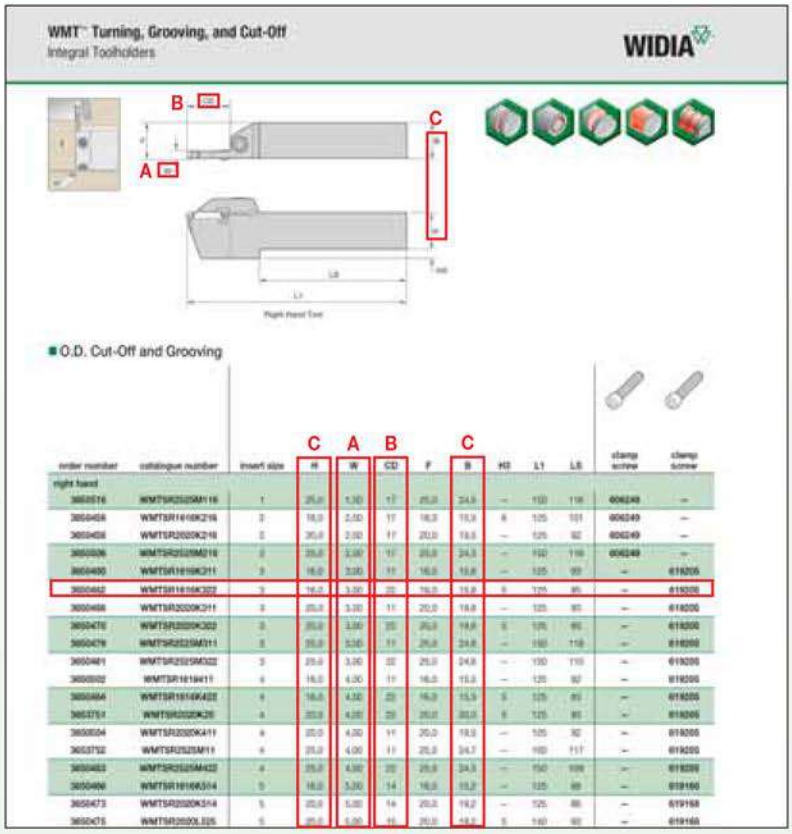
P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

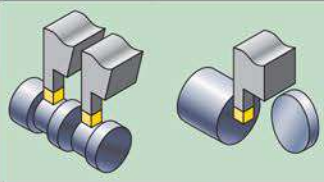
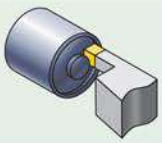
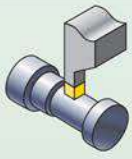
3 Select your toolholder based on the application:

A Choose the appropriate width "W" required for the application.

B Choose the shortest cutting depth "CD" dimension for increased tool rigidity.

C Select the largest toolholder shank "H" and "B" dimensions for maximum rigidity.

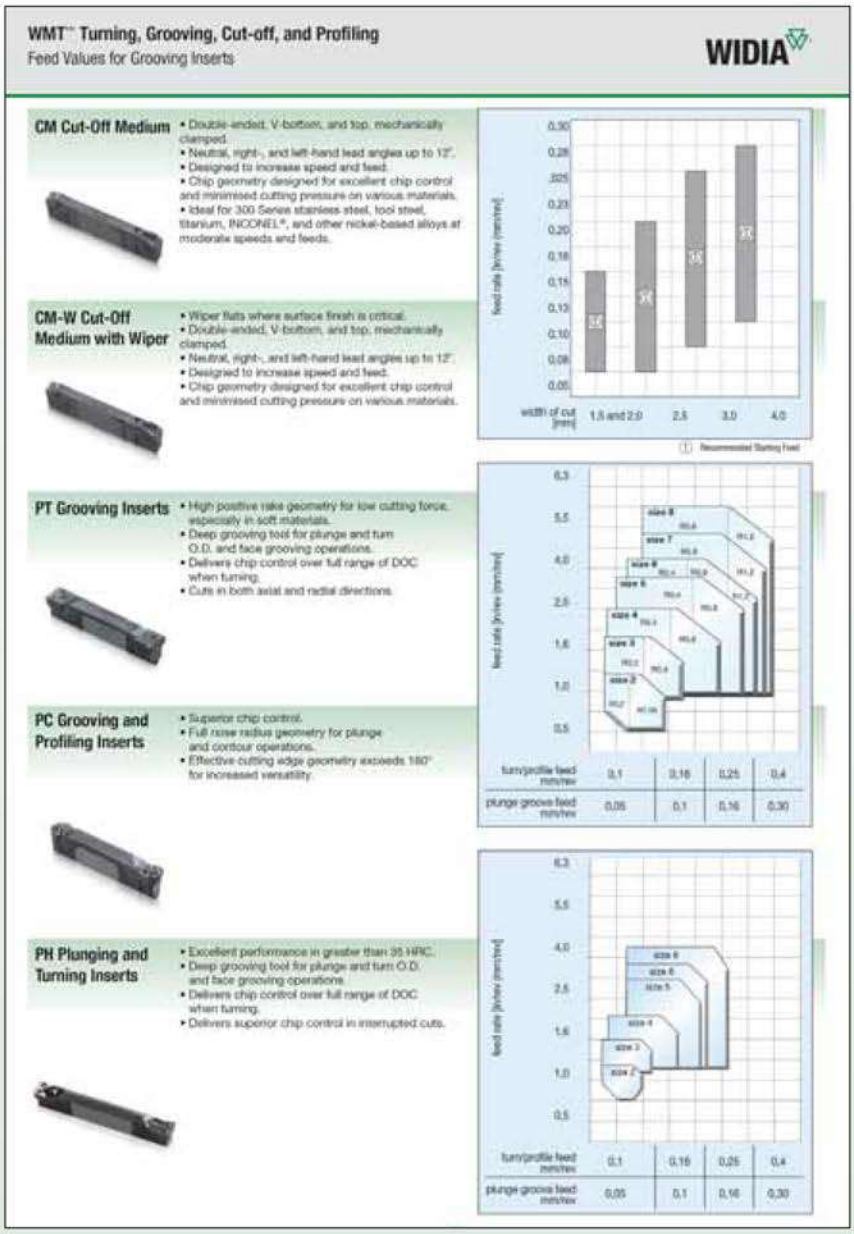


	application	conventional toolholders	modular blades
	O.D. Grooving and Cut-Off	pages E30–E32	page E38
	Face Grooving	pages E33–E34	page E39
	I.D. Grooving	page E35	–
	Plunge and Turn	pages E30–E32	page E38

4 Select chipbreaker style for the application:

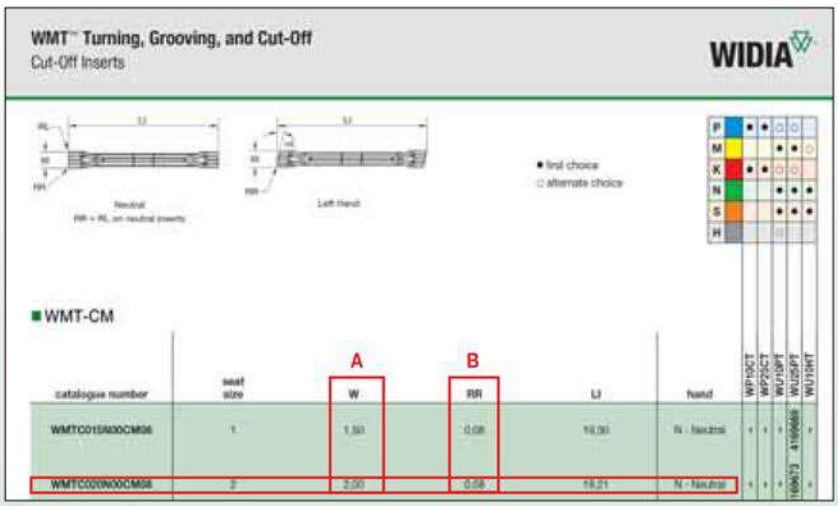
CM	Cut-Off Medium
CM-W	Cut-Off Medium with Wiper
PT	Groove, Plunge, and Turn
PC	Plunge and Contour
PH	Groove, Plunge, and Turn

NOTE: Chart shows recommended starting feed rates.



A Choose the appropriate insert width "W" for your specific application.

B Select the required corner radius value "RR".



5 Select grade:

Grooving cutting condition		Recommended Grades					
		steel	stainless steel	cast iron	non-ferrous metals	high-temp alloys	hardened materials
heavily interrupted cut		WU25PT	WU25PT	WU25PT	WU25PT	WU25PT	–
lightly interrupted cut		WP25CT/ WU25PT	WU25PT	WP25CT/ WU25PT	WU25PT	WU25PT	–
varying depth of cut, casting, or forging skin		WU10PT	WU10PT	WP10CT/ WU10PT	WU10PT	WU10HT/ WU10PT	WU10PT
smooth cut, pre-turned surface		WP10CT/ WU10PT	WU10PT	WP10CT/ WU10PT	WU10PT	WU10HT/ WU10PT	WU10PT

Cut-Off cutting condition		Recommended Grades					
		steel	stainless steel	cast iron	non-ferrous metals	high-temp alloys	hardened materials
heavily interrupted cut		WU25PT	WU25PT	WU25PT	WU25PT	WU25PT	–
lightly interrupted cut		WU25PT	WU25PT	WU25PT	WU25PT	WU25PT	–
varying depth of cut, casting, or forging skin		WU25PT	WU25PT	WU25PT	WU25PT	WU25PT	WU25PT
smooth cut, pre-turned surface		WU25PT	WU25PT	WU25PT	WU25PT	WU25PT	WU25PT

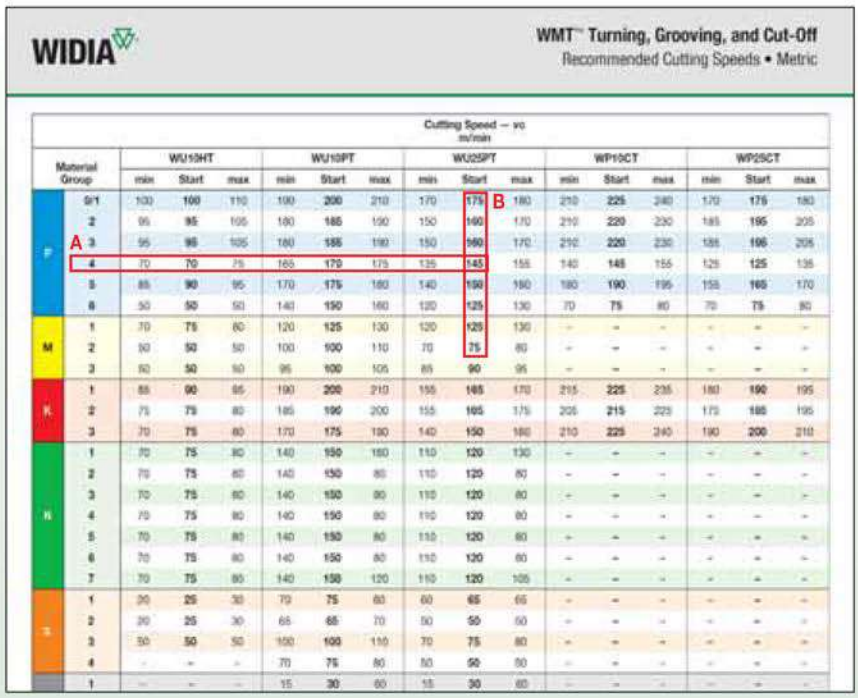
NOTE: See page E11 for Grades and Grade Descriptions.

6 Determine cutting data:

A Based on material group and grade, identify starting speed (vc).

B First choice starting speed is in **bold**.

NOTE: See page E13 for cutting data.



WIDIA

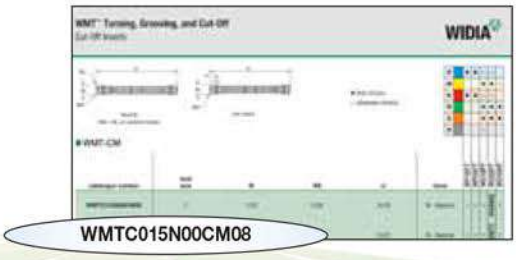
WMT™ Turning, Grooving, and Cut-Off
Recommended Cutting Speeds • Metric

Cutting Speed — vc m/min

Material Group		WU10HT min	WU10HT Start	WU10HT max	WU10PT min	WU10PT Start	WU10PT max	WU25PT min	WU25PT Start	WU25PT max	WP10CT min	WP10CT Start	WP10CT max	WP25CT min	WP25CT Start	WP25CT max
P	9/1	100	**100**	110	190	**200**	210	170	**175** B	180	210	**225**	240	170	**175**	180
	2	95	**95**	105	180	**185**	190	150	**160**	170	210	**220**	230	185	**195**	205
	A 3	95	**95**	105	180	**185**	190	150	**160**	170	210	**220**	230	185	**195**	205
	4	70	**70**	75	165	**170**	175	135	**145**	155	140	**145**	155	125	**125**	135
	5	85	**90**	95	170	**175**	180	140	**150**	160	180	**190**	195	155	**165**	170
	6	50	**50**	50	140	**150**	160	120	**125**	130	70	**75**	80	70	**75**	80
M	1	70	**75**	80	120	**125**	130	120	**125**	130	–	–	–	–	–	–
	2	50	**50**	50	100	**100**	110	70	**75**	80	–	–	–	–	–	–
	3	50	**50**	50	95	**100**	105	85	**90**	95	–	–	–	–	–	–
K	1	85	**90**	95	190	**200**	210	155	**165**	170	215	**225**	235	180	**190**	195
	2	75	**75**	80	185	**190**	200	155	**165**	175	205	**215**	225	175	**185**	195
	3	70	**75**	80	170	**175**	180	140	**150**	160	210	**225**	240	190	**200**	210
N	1	70	**75**	80	140	**150**	160	110	**120**	130	–	–	–	–	–	–
	2	70	**75**	80	140	**150**	80	110	**120**	80	–	–	–	–	–	–
	3	70	**75**	80	140	**150**	80	110	**120**	80	–	–	–	–	–	–
	4	70	**75**	80	140	**150**	80	110	**120**	80	–	–	–	–	–	–
	5	70	**75**	80	140	**150**	80	110	**120**	80	–	–	–	–	–	–
	6	70	**75**	80	140	**150**	80	110	**120**	80	–	–	–	–	–	–
	7	70	**75**	80	140	**150**	120	110	**120**	105	–	–	–	–	–	–
S	1	20	**25**	30	70	**75**	80	60	**65**	65	–	–	–	–	–	–
	2	20	**25**	30	65	**65**	70	50	**50**	50	–	–	–	–	–	–
	3	50	**50**	50	150	**100**	110	70	**75**	80	–	–	–	–	–	–
	4	–	–	–	70	**75**	80	50	**50**	50	–	–	–	–	–	–
H	1	–	–	–	15	**30**	60	15	**30**	60	–	–	–	–	–	–

WMT Identification System

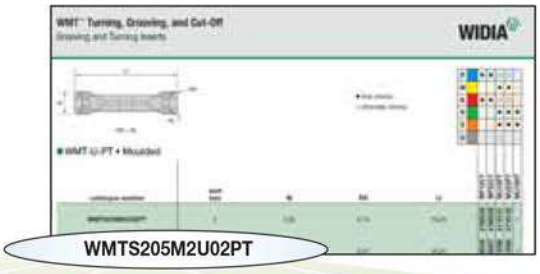
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



WMTC015N00CM08

Cut-Off

WMT	C	015	N	00	CM	08
Tooling System	Cut-Off	W in mm* 10	Hand of Insert	Main Cutting Edge Lead Angle	Chipbreaker Geometry **CM** = Cut-Off Medium **CM-W** = Cut-Off Medium with Wiper	Corner Radius in mm* 10



WMTS205M2U02PT

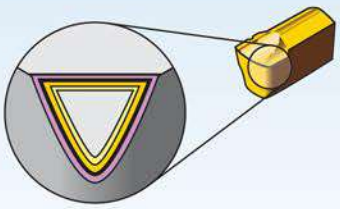
Groove, Plunge, Turn, and Contour Inserts

WMT	S	205	M	2	U	02	PT
Tooling System	Square	mm* 10 inch* 1000	Unit of Measurement for Width **M** = mm **I** = inch	Seat Size	Insert Tolerance	Corner Radius in mm* 10	Chipbreaker Geometry **PT** = Groove, Plunge, and Turn **PH** = Groove, Plunge, and Turn **PC** = Plunge and Contour

P = Precision ground grooving width tolerance: ± .001" (0,025mm)

U = Utility moulded grooving width tolerance:

3,05–4,05:	+ .006" / -0	(+0,15mm) / -0
5,05–10,05:	+ .010" / -0	(+0,25mm) / -0



Coatings provide high-speed capability and are engineered for finishing to heavy roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous
S	High-Temp Alloys
H	Hardened Materials

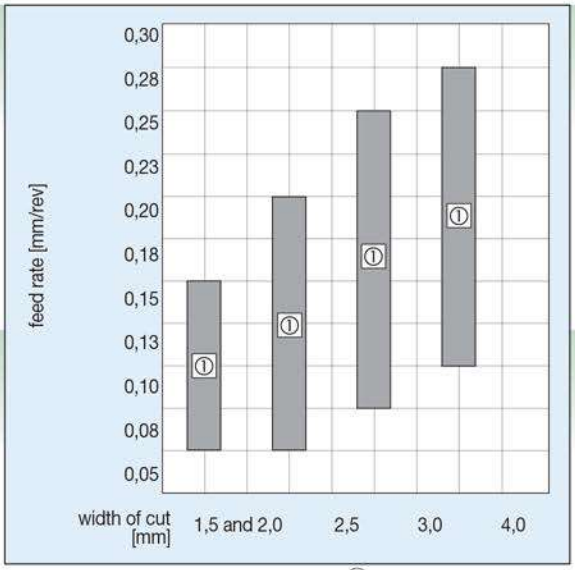
wear resistance ← → toughness

Grade

Coating		Grade Description	05	10	15	20	25	30	35	40	45
WU10PT	HC-P15	An advanced PVD-TiAlN coating over a very deformation-resistant unalloyed carbide substrate. The WU10PT™ grade's new and improved coating enables speeds to be increased by 50–100%. The WU10PT grade is ideal for finishing to general machining of most workpiece materials at higher speeds. Excellent for machining most steels, stainless steels, cast irons, non-ferrous materials, and super alloys under stable conditions. It also performs well machining hardened and short chipping materials.	P			P	P	P				
			M			M	M	M				
			K			K	K	K				
			N			N	N	N				
			S			S	S	S				
			H			H						
WU25PT	HC-P30	An advanced PVD-TiAlN-coated grade with a tough, ultra-fine-grain, unalloyed substrate. For general-purpose machining of most steels, stainless steels, high-temperature alloys, titanium, irons, and non-ferrous materials. Speeds may vary from low to medium and will handle interruptions and high feed rates.	P				P	P	P			
			M				M	M	M			
			K				K	K	K			
			N				N	N	N			
			S				S	S	S			
			H			H	H					
WU10HT	HW-K15	A hard, low binder content, unalloyed WC/Co fine-grained uncoated grade. Exceptional edge wear resistance combined with very high strength for machining titanium, cast irons, austenitic stainless steels, non-ferrous metals, non-metals, and most high-temperature alloys. Superior thermal deformation and depth of cut notch resistance. The grain structure is well controlled for minimal pits and flaws, which contributes to long, reliable service.									
			M		M	M	M				
			K	K	K	K					
			N		N	N	N				
			S		S	S	S				
WP10CT	HC-P10	A specially engineered, proprietary, cobalt-enriched carbide grade with thick K-MTCVD-TiCN coating layer, an Al_2O_3 layer of controlled grain size, and outer layers of TiCN and TiN for maximum wear resistance. An excellent finishing to medium machining grade for a variety of workpiece materials including most steels, ferritic and martensitic stainless steels, and cast irons. The specially engineered cobalt-enriched substrate offers a balanced combination of deformation resistance and edge toughness, while the thick coating layers offer outstanding abrasion resistance and crater wear resistance for high-speed machining. The smooth coating provides good resistance to edge build-up and microchipping and produces excellent surface finishes.	P		P	P	P					
			K		K	K					
WP25CT	HC-P25	A tough cobalt-enriched carbide grade with a newly designed multilayer K-MTCVD TiCN-Al_2O_3-TiCNTiN coating with superior interlayer adhesion. This is the industry's best general-purpose turning grade for most steels and ferritic and martensitic stainless steels. The substrate design, with cobalt-enrichment, ensures adequate deformation resistance along with excellent bulk toughness and insert edge strength. The coating layers offer good wear resistance over a wide range of machining conditions. The smoothness of the coating leads to reduced frictional heat, minimises microchipping, and improves workpiece surface finishes.	P			P	P	P				
			K				K	K	K		

CM Cut-Off Medium

- Double-ended, V-bottom, and top, mechanically clamped.
- Neutral, right-, and left-hand lead angles up to 12°.
- Designed to increase speed and feed.
- Chip geometry designed for excellent chip control and minimised cutting pressure on various materials.



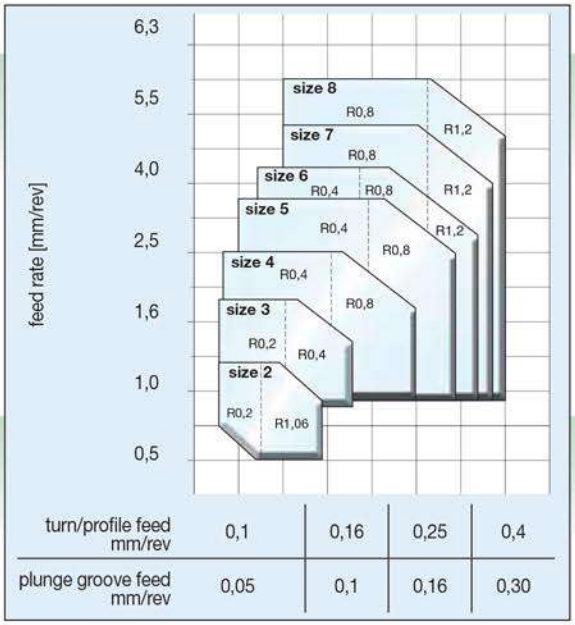
① Recommended Starting Feed

CM-W Cut-Off Medium with Wiper

- Wiper flats where surface finish is critical.
- Double-ended, V-bottom, and top, mechanically clamped.
- Neutral, right-, and left-hand lead angles up to 12°.
- Designed to increase speed and feed.
- Chip geometry designed for excellent chip control and minimised cutting pressure on various materials.
- Ideal for 300 Series stainless steel, tool steel, titanium, INCONEL®, and other nickel-based alloys at moderate speeds and feeds.

PT Plunge, Groove, and Turn Inserts

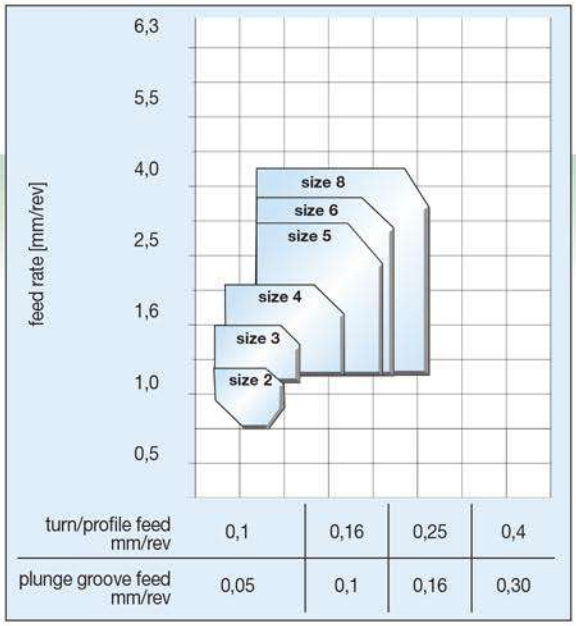
- High positive rake geometry for low cutting force, especially in soft materials.
- Deep grooving tool for plunge and turn O.D. and face grooving operations.
- Delivers chip control over full range of DOC when turning.
- Cuts in both axial and radial directions.



turn/profile feed mm/rev	0,1	0,16	0,25	0,4
plunge groove feed mm/rev	0,05	0,1	0,16	0,30

PC Grooving and Profiling Inserts

- Superior chip control.
- Full nose radius geometry for plunge and contour operations.
- Effective cutting edge geometry exceeds 180° for increased versatility.

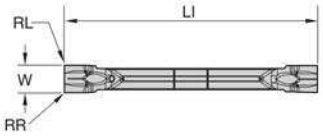


turn/profile feed mm/rev	0,1	0,16	0,25	0,4
plunge groove feed mm/rev	0,05	0,1	0,16	0,30

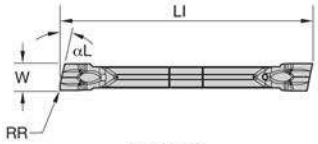
PH Plunge, Groove, and Turn Inserts

- Excellent performance in greater than 35 HRC.
- Deep grooving tool for plunge and turn O.D. and face grooving operations.
- Delivers chip control over full range of DOC when turning.
- Delivers superior chip control in interrupted cuts.

Material Group		Cutting Speed — vc m/min														
		WU10HT			WU10PT			WU25PT			WP10CT			WP25CT		
		min	Start	max	min	Start	max	min	Start	max	min	Start	max	min	Start	max
P	0/1	100	**100**	110	190	**200**	210	170	**175**	180	210	**225**	240	170	**175**	180
	2	95	**95**	105	180	**185**	190	150	**160**	170	210	**220**	230	185	**195**	205
	3	95	**95**	105	180	**185**	190	150	**160**	170	210	**220**	230	185	**195**	205
	4	70	**70**	75	165	**170**	175	135	**145**	155	140	**145**	155	125	**125**	135
	5	85	**90**	95	170	**175**	180	140	**150**	160	180	**190**	195	155	**165**	170
	6	50	**50**	50	140	**150**	160	120	**125**	130	70	**75**	80	70	**75**	80
M	1	70	**75**	80	120	**125**	130	120	**125**	130	–	**–**	–	–	**–**	–
	2	50	**50**	50	100	**100**	110	70	**75**	80	–	**–**	–	–	**–**	–
	3	50	**50**	50	95	**100**	105	85	**90**	95	–	**–**	–	–	**–**	–
K	1	85	**90**	95	190	**200**	210	155	**165**	170	215	**225**	235	180	**190**	195
	2	75	**75**	80	185	**190**	200	155	**165**	175	205	**215**	225	175	**185**	195
	3	70	**75**	80	170	**175**	180	140	**150**	160	210	**225**	240	190	**200**	210
N	1	70	**75**	80	140	**150**	160	110	**120**	130	–	**–**	–	–	**–**	–
	2	70	**75**	80	140	**150**	80	110	**120**	80	–	**–**	–	–	**–**	–
	3	70	**75**	80	140	**150**	80	110	**120**	80	–	**–**	–	–	**–**	–
	4	70	**75**	80	140	**150**	80	110	**120**	80	–	–	–	–	–	–
	5	70	**75**	80	140	**150**	80	110	**120**	80	–	**–**	–	–	**–**	–
	6	70	**75**	80	140	**150**	80	110	**120**	80	–	**–**	–	–	**–**	–
	7	70	**75**	80	140	**150**	120	110	**120**	105	–	**–**	–	–	**–**	–
S	1	20	**25**	30	70	**75**	80	60	**65**	65	–	**–**	–	–	**–**	–
	2	20	**25**	30	65	**65**	70	50	**50**	50	–	**–**	–	–	**–**	–
	3	50	**50**	50	100	**100**	110	70	**75**	80	–	**–**	–	–	**–**	–
	4	-	**–**	–	70	**75**	80	50	**50**	50	–	**–**	–	–	**–**	–
H	1	–	**–**	–	15	**30**	60	15	**30**	60	–	**–**	–	–	**–**	–
	2	–	**–**	–	15	**30**	60	15	**30**	60	–	**–**	–	–	**–**	–
	3	–	**–**	–	15	**30**	60	15	**30**	60	–	**–**	–	–	**–**	–
	4	–	**–**	–	15	**30**	60	15	**30**	60	–	**–**	–	–	**–**	–



Neutral
RR = RL on neutral inserts



Left Hand

● first choice
○ alternate choice

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

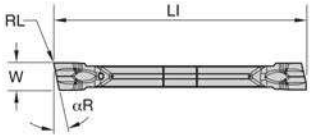
WMT-CM

catalogue number	seat size	W	RR	LI	hand	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTC015N00CM08	1	1,50	0,08	19,30	N - Neutral	'	'	'	4169668	'
WMTC020N00CM08	2	2,00	0,08	19,21	N - Neutral	'	'	'	4169673	'
WMTC094N00CM13	2B	2,39	0,13	22,32	N - Neutral	'	'	'	4169576	'
WMTC030N00CM17	3	3,00	0,17	25,40	N - Neutral	'	'	'	4169682	'
WMTC125N00CM17	3	3,17	0,17	25,41	N - Neutral	'	'	'	4169582	'
WMTC040N00CM17	4	4,00	0,17	25,40	N - Neutral	'	'	'	4169692	'

catalogue number	seat size	W	RR	LI	αL	hand	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTC015L05CM08	1	1,50	0,08	19,31	5	L - Left	'	'	'	4169671	'
WMTC020L05CM08	2	1,99	0,08	19,21	5	L - Left	'	'	'	4169677	'
WMTC020L12CM08	2	2,00	0,08	19,25	12	L - Left	'	'	'	4169680	'
WMTC030L12CM17	3	3,00	0,17	25,40	12	L - Left	'	'	'	4169690	'
WMTC030L05CM17	3	3,00	0,17	25,40	5	L - Left	'	'	'	4169686	'
WMTC040L12CM17	4	4,00	0,17	25,40	12	L - Left	'	'	'	4169697	'
WMTC040L05CM17	4	4,00	0,17	25,40	5	L - Left	'	'	'	4169695	'

(continued)

(WMT-CM — continued)

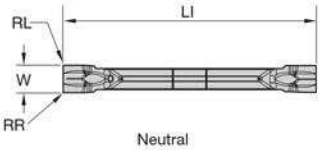


Right Hand

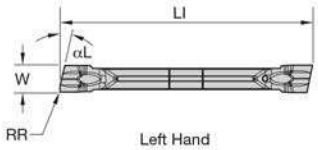
● first choice
○ alternate choice

		WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
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	'	'	'	4169672	'
WMTC015R05CM08	1	1,50	0,08	19,31	5	R - Right	'	'	'	4169670	'
WMTC020R05CM08	2	2,00	0,08	19,26	5	R - Right	'	'	'	4169675	'
WMTC020R12CM08	2	2,00	0,08	19,26	12	R - Right	'	'	'	4169678	'
WMTC094R12CM13	2B	2,39	0,13	22,28	12	R - Right	'	'	'	4169580	'
WMTC094R05CM13	2B	2,39	0,13	22,32	5	R - Right	'	'	'	4169578	'
WMTC030R05CM17	3	3,00	0,17	25,40	5	R - Right	'	'	'	4169684	'
WMTC030R12CM17	3	3,00	0,17	25,40	12	R - Right	'	'	'	4169688	'
WMTC125R05CM17	3	3,17	0,17	25,40	5	R - Right	'	'	'	4169664	'
WMTC125R12CM17	3	3,18	0,17	25,40	12	R - Right	'	'	'	4169666	'
WMTC040R12CM17	4	4,00	0,17	25,40	12	R - Right	'	'	'	4169696	'
WMTC040R05CM17	4	4,00	0,17	25,40	5	R - Right	'	'	'	4169694	'



Neutral
RR = RL on neutral inserts



Left Hand

● first choice
○ alternate choice

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

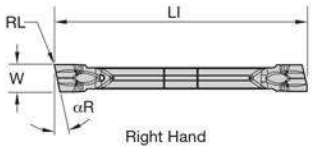
■ WMT-CM-W

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)

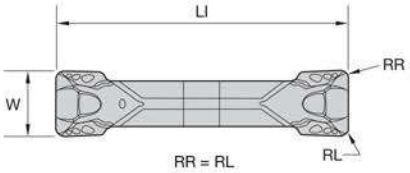
(WMT-CM-W — continued)



● 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	'	'	'	4169676	'
WMTC020R12CMW08	2	2,00	0,08	19,27	12	R - Right	'	'	'	4169679	'
WMTC094R12CMW13	2B	2,39	0,13	22,29	12	R - Right	'	'	'	4169581	'
WMTC094R05CMW13	2B	2,39	0,13	22,32	5	R - Right	'	'	'	4169579	'
WMTC030R05CMW17	3	3,00	0,17	25,40	5	R - Right	'	'	'	4169685	'
WMTC030R12CMW17	3	3,00	0,17	25,40	12	R - Right	'	'	'	4169689	'
WMTC125R05CMW17	3	3,17	0,17	25,41	5	R - Right	'	'	'	4169665	'
WMTC125R12CMW17	3	3,17	0,17	25,41	12	R - Right	'	'	'	4169667	'

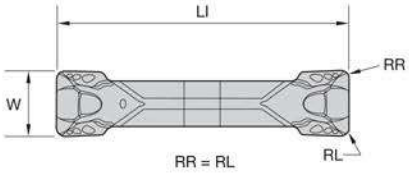


● first choice
○ alternate choice

		WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
P		●	●	○	○	
M				●	●	○
K		●	●	○	○	
N				●	●	●
S				●	●	●
H				○		

■ WMT-U-PT • Moulded

catalogue number	seat size	W	RR	LI						
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

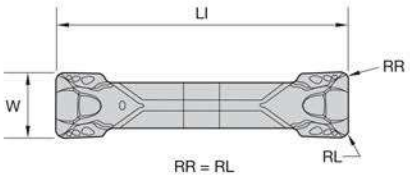
P	●	●	○	○						
M			●	●	○					
K	●	●	○	○						
N			●	●	●					
S			●	●	●					
H			○							

■ WMT-P-PT • Precision

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS200M2P02PT	2	2,00	0,15	19,10	-	-	4116129	4116130	-
WMTS094I2BP02PT	2B	2,38	0,15	22,15	-	-	4118451	4118452	-
WMTS094I2BP04PT	2B	2,38	0,38	22,14	-	-	4118583	4118584	-
WMTS300M3P03PH	3	3,00	0,30	25,65	-	-	5346412	5346413	5346414
WMTS300M3P03PT	3	3,00	0,31	25,65	-	-	4113563	4113564	4113566
WMTS300M3P06PH	3	3,00	0,60	25,65	-	-	5346415	5346416	5346417
WMTS300M3P06PT	3	3,00	0,61	25,65	-	-	4113565	4113567	-
WMTS125I3P03PT	3	3,17	0,23	25,40	-	-	4118585	4118586	-
WMTS125I3P08PT	3	3,17	0,76	25,40	-	-	4118587	4118588	-
WMTS125I3P03PH	3	3,18	0,25	25,40	-	-	5345914	5291300	-
WMTS125I3P08PH	3	3,18	0,75	25,40	-	-	5345915	5331093	-
WMTS156I4P03PH	4	3,95	0,30	25,40	-	-	5345916	5345917	-
WMTS156I4P08PH	4	3,96	0,75	25,40	-	-	5345918	5345919	-
WMTS400M4P03PH	4	4,00	0,30	25,40	-	-	5346418	5346419	5346420
WMTS400M4P03PT	4	4,00	0,31	25,40	-	-	4113572	4113574	4113573
WMTS400M4P06PH	4	4,00	0,60	25,40	-	-	5346421	5346422	5346423

(continued)

(WMT-P-PT • Precision — continued)



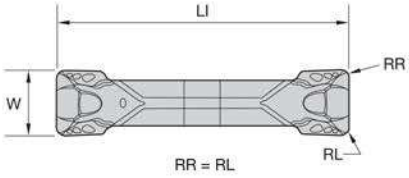
● first choice
○ alternate choice

		WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
P		●	●	○	○	
M				●	●	○
K		●	●	○	○	
N				●	●	●
S				●	●	●
H				○		

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS400M4P06PT	4	4,00	0,60	25,40	-	-	4113575	4113576	-
WMTS188I5P03PT	5	4,76	0,26	28,63	-	-	4118589	4118590	-
WMTS188I5P03PH	5	4,77	0,25	28,63	-	-	5345980	5331095	-
WMTS188I5P08PH	5	4,77	0,75	28,63	-	-	5345981	5331097	-
WMTS188I5P08PT	5	4,77	0,76	28,63	-	-	4118591	4118592	-
WMTS500M5P03PH	5	5,00	0,30	28,63	-	-	5346424	5346425	5346426
WMTS500M5P03PT	5	5,00	0,30	28,63	-	-	4116143	4116144	4116145
WMTS500M5P06PH	5	5,00	0,60	28,63	-	-	5346427	5346428	5346429
WMTS500M5P06PT	5	5,00	0,61	28,63	-	-	4116146	4116147	-
WMTS600M6P03PH	6	6,00	0,30	28,63	-	-	5346430	5346431	-
WMTS600M6P03PT	6	6,00	0,30	28,63	-	-	4117239	4117240	-
WMTS600M6P06PT	6	6,00	0,58	28,63	-	-	4117241	4117242	-
WMTS600M6P06PH	6	6,00	0,60	28,63	-	-	5346432	5346433	-
WMTS250I6P08PH	6	6,32	0,75	28,63	-	-	5345984	5327621	-

(continued)

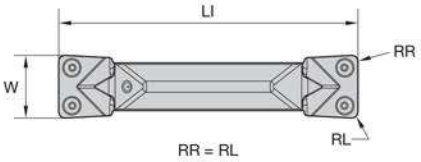
(WMT-P-PT • Precision — continued)



● 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	-	-	4118595	4118596	-
WMTS250I6P03PH	6	6,35	0,25	28,63	-	-	5345983	5327620	-
WMTS250I6P03PT	6	6,35	0,25	28,63	-	-	4118593	4118594	-
WMTS312I8P03PH	8	7,92	0,25	28,57	-	-	5345985	5345986	-
WMTS312I8P08PH	8	7,92	0,75	28,57	-	-	5345987	5345988	-
WMTS800M8P03PH	8	8,00	0,30	28,57	-	-	5346436	5346437	-
WMTS800M8P06PH	8	8,00	0,60	28,57	-	-	5346434	5346435	-
WMTS800M8P06PT	8	8,00	0,61	28,57	-	-	4117257	4117258	-
WMTS800M8P15PT	8	8,00	1,50	28,57	-	-	4117259	4117260	-

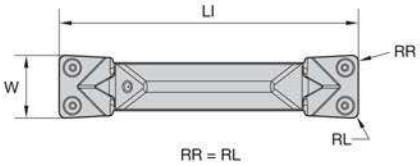


● first choice
○ alternate choice

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

■ WMT-U-PH • Moulded

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS305M3U03PH	3	3,05	0,30	25,81	-	-	5346392	5346393	-
WMTS305M3U06PH	3	3,05	0,60	25,81	-	-	5346394	5346395	-
WMTS405M4U03PH	4	4,05	0,30	25,53	-	-	5346396	5346397	-
WMTS405M4U06PH	4	4,05	0,60	25,53	-	-	5346398	5346399	-
WMTS505M5U03PH	5	5,05	0,30	28,76	-	-	5346400	5346401	-
WMTS505M5U06PH	5	5,05	0,60	28,76	-	-	5346402	5346403	-
WMTS605M6U03PH	6	6,05	0,30	28,76	-	-	5346404	5346405	-
WMTS605M6U06PH	6	6,05	0,60	28,76	-	-	5346406	5346407	-
WMTS805M8U03PH	8	8,05	0,30	28,70	-	-	5346410	5346411	-
WMTS805M8U06PH	8	8,05	0,60	28,70	-	-	5346408	5346409	-



● first choice
○ alternate choice

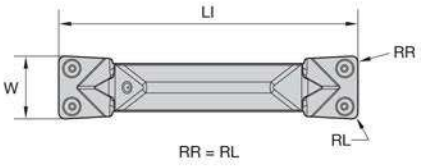
		WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
P		●	●	○	○	
M				●	●	○
K		●	●	○	○	
N				●	●	●
S				●	●	●
H				○		

■ WMT-P-PH • Precision

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS300M3P03PH	3	3,00	0,30	25,65	-	-	5346412	5346413	5346414
WMTS300M3P06PH	3	3,00	0,60	25,65	-	-	5346415	5346416	5346417
WMTS125I3P03PH	3	3,18	0,25	25,40	-	-	5345914	5291300	-
WMTS125I3P08PH	3	3,18	0,75	25,40	-	-	5345915	5331093	-
WMTS156I4P03PH	4	3,95	0,30	25,40	-	-	5345916	5345917	-
WMTS156I4P08PH	4	3,96	0,75	25,40	-	-	5345918	5345919	-
WMTS400M4P03PH	4	4,00	0,30	25,40	-	-	5346418	5346419	5346420
WMTS400M4P06PH	4	4,00	0,60	25,40	-	-	5346421	5346422	5346423
WMTS188I5P03PH	5	4,77	0,25	28,63	-	-	5345980	5331095	-
WMTS188I5P08PH	5	4,77	0,75	28,63	-	-	5345981	5331097	-

(continued)

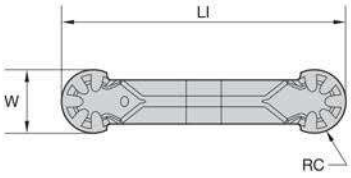
(WMT-P-PH • Precision — continued)



● first choice
○ alternate choice

		WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
P		●	●	○	○	
M				●	●	○
K		●	●	○	○	
N				●	●	●
S				●	●	●
H				○		

catalogue number	seat size	W	RR	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTS500M5P03PH	5	5,00	0,30	28,63	-	-	5346424	5346425	5346426
WMTS500M5P06PH	5	5,00	0,60	28,63	-	-	5346427	5346428	5346429
WMTS600M6P03PH	6	6,00	0,30	28,63	-	-	5346430	5346431	-
WMTS600M6P06PH	6	6,00	0,60	28,63	-	-	5346432	5346433	-
WMTS250I6P08PH	6	6,32	0,75	28,63	-	-	5345984	5327621	-
WMTS250I6P03PH	6	6,35	0,25	28,63	-	-	5345983	5327620	-
WMTS312I8P03PH	8	7,92	0,25	28,57	-	-	5345985	5345986	-
WMTS312I8P08PH	8	7,92	0,75	28,57	-	-	5345987	5345988	-
WMTS800M8P03PH	8	8,00	0,30	28,57	-	-	5346436	5346437	-
WMTS800M8P06PH	8	8,00	0,60	28,57	-	-	5346434	5346435	-

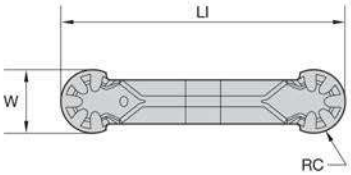


● first choice
○ alternate choice

		WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
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	-	4170172	4170173	-
WMTR405M4UPC	4	4,05	2,03	25,58	4170179	-	4170177	4170178	-
WMTR505M5UPC	5	5,05	2,53	29,01	4170184	-	4170182	4170183	-
WMTR605M6UPC	6	6,05	3,03	28,77	4170189	-	4170187	4170188	-
WMTR805M8UPC	8	8,05	4,03	29,22	4170194	-	4170192	4170193	-



● first choice
○ alternate choice

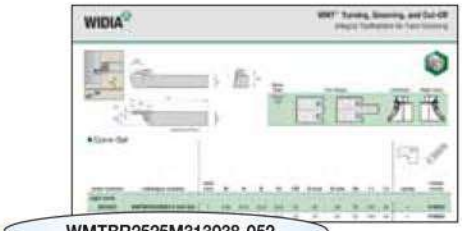
		WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
P		●	●	○	○	
M				●	●	○
K		●	●	○	○	
N				●	●	●
S				●	●	●
H				○		

■ WMT-P-PC • Precision

catalogue number	seat size	W	RC	LI	WP10CT	WP25CT	WU10PT	WU25PT	WU10HT
WMTR300M3PPC	3	3,00	1,50	25,40	-	-	4170170	4170171	4170195
WMTR400M4PPC	4	4,00	2,00	25,45	-	-	4170175	4170176	4170196
WMTR188I5PPC	5	4,78	2,39	28,65	-	-	4170119	4170120	-
WMTR500M5PPC	5	5,00	2,50	28,88	-	-	4170180	4170181	-
WMTR600M6PPC	6	6,00	3,00	28,65	-	-	4170185	4170186	-
WMTR250I6PPC	6	6,36	3,18	29,01	-	-	4170121	4170122	-
WMTR312I8PPC	8	7,94	3,96	29,00	-	-	4170163	4170164	-
WMTR800M8PPC	8	8,00	4,00	29,08	-	-	4170190	4170191	-

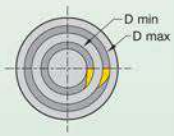
WMT System

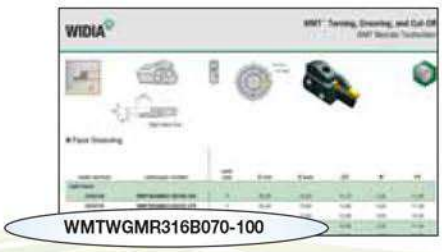
Our WMT toolholders now have a smart new naming system. Here are some examples of the improved nomenclature for our WMT Toolholders.



Integral Toolholders

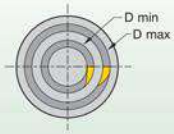
WMT	B	R	2525	M	3	13	—	038-052
Tooling System	Tool Style	Hand	Shank Size	Tool Length	Seat Size	Max Grooving Depth		Face Grooving Diameter
WMT = Groove and Turn (WMT Insert)	**S** = Straight **C** = Straight with circular support **E** = End mount **A** = Straight, face grooving, curve in **B** = Straight, 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



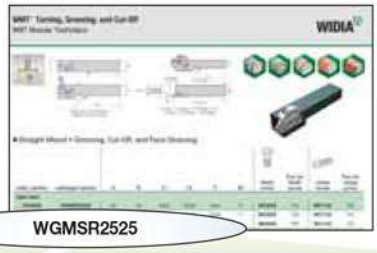


Modular Blades

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	



WIDIA VICTORY



WGMSR2525

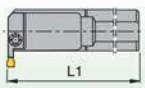
Modular Toolholders

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

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

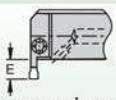


metric bars:	inch bars:
R = 200mm	R = 8"
S = 250mm	S = 10"
T = 300mm	T = 12"

E = End mounted (90°)

R = Right hand
L = Left hand

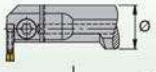
pocket seat size	cutting width (mm)
02	2,00–2,62
2B	2,39–2,62
03	3,0–3,05
04	4,0–4,05
05	5,0–5,05
06	6,0–6,05
08	8,0–8,05
10	10,0–10,05



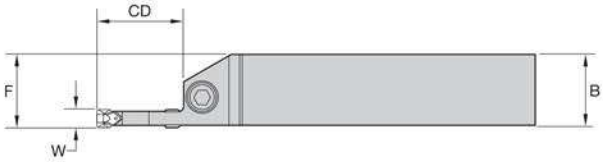
conversions:

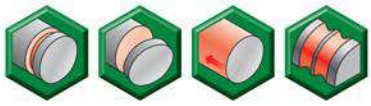
mm	inch
7mm	.28"
10mm	.39"
12mm	.47"
16mm	.63"

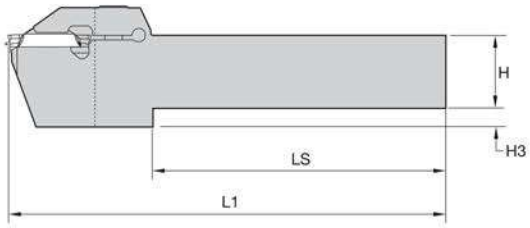
N = Inch
M = Metric



metric bars:	inch bars:
Bar diameter in millimetres	A two-digit number which indicates the bar diameter in 1/16" increments.







Right Hand Tool

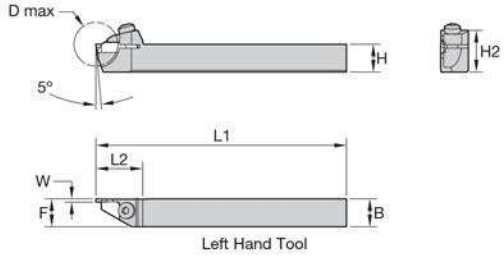
O.D. Grooving and Cut-Off

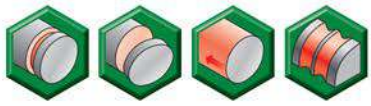
order number	catalogue number	seat size	W	H	B	CD	F	H3	L1	LS	clamp screw	clamp screw
right hand												
3650516	WMTSR2525M116	1	1,50	25,0	25,0	17	25,0	–	150	116	606249	–
3650456	WMTSR1616K216	2	2,00	16,0	16,0	17	16,0	6	125	101	606249	–
3650458	WMTSR2020K216	2	2,00	20,0	20,0	17	20,0	–	125	92	606249	–
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	WMTCR2525M2B19	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





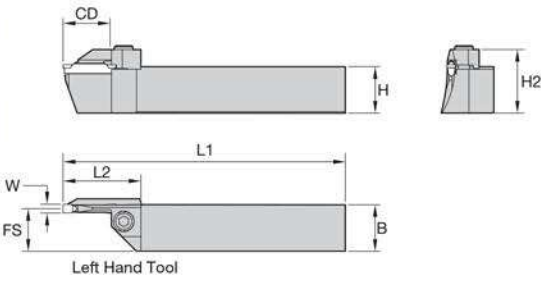
Swiss Grooving and Cut-Off • Metric

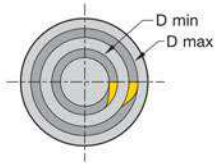
order number	catalogue number	seat size	W	H	B	F	D max	H2	L1	L2	clamp screw
right hand											
3650508	WMTCR1010H110	1	1,50	10,0	10,0	10,0	20	16	100	21	606249
3650510	WMTCR1212H110	1	1,50	12,0	12,0	12,0	20	18	100	21	606249
3650512	WMTCR1616K113	1	1,50	16,0	15,9	16,0	26	24	125	24	606266
3650514	WMTCR2020K113	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

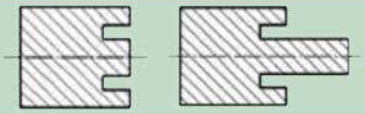
NOTE: Insert exterior edge in line with toolholder edge for 10mm and 12mm shank toolholders.

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



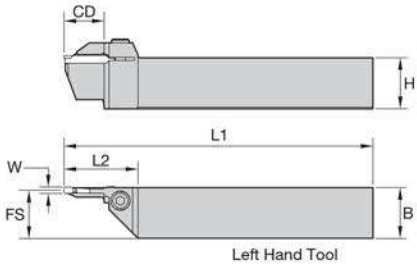


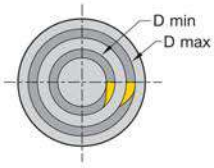
Blade Style	Part Shape	Left Hand	Right Hand
Curve Out			

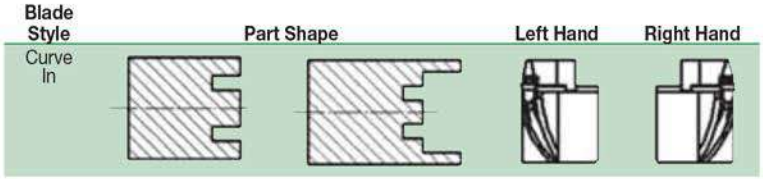
Curve Out


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

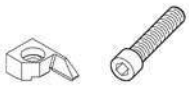
NOTE: Initial cut of tool must be between D min and D max. Due to the insert being positioned 0,75mm above centre, minimum diameter after initial cut is 12,6mm.
Toolholders that accept 3mm and 4mm width inserts have an integral clamp.
Toolholders that accept 5mm and 6mm width inserts are supplied with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





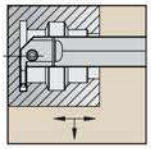


Curve In

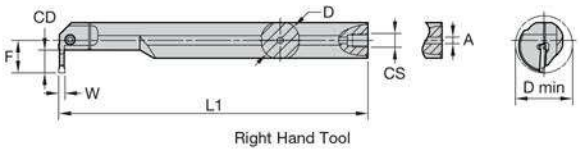


order number	catalogue number	seat size	W	H	B	FS	CD	D max	D min	H2	L1	L2	clamp	clamp screw
right hand														
3634282	**WMTAR2525M316-070-100**	3	3,00	24,8	24,8	23,5	16	100	70	32	150	34	–	**MS326**
3634284	**WMTAR2525M319-100-205**	3	3,00	24,8	24,8	23,5	19	205	100	32	150	37	–	**MS326**
3634290	**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.

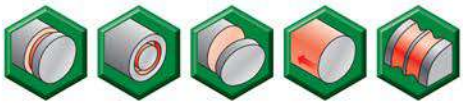


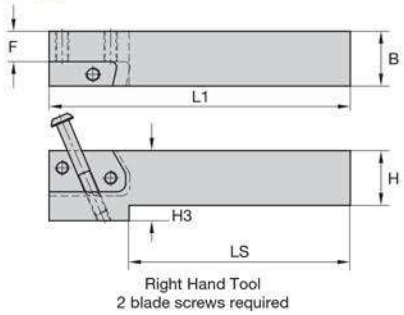
Right Hand Tool

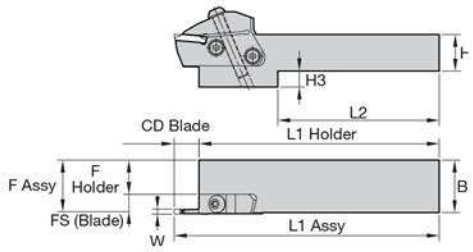
Right Hand Tool

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







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

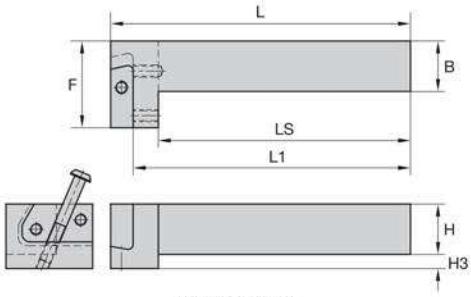
order number	catalogue number	H	B	L1	LS	F	H3	 blade screw	Torx for blade screw	 clamp screw	Torx for clamp screw
right hand											
5349628	**WGMSR2020**	20	20	108,0	68,00	8,84	12	**MS2002**	T25	**MS1162**	T25
5349629	**WGMSR2525**	25	25	126,0	95,78	13,84	7	**MS2002**	T25	**MS1162**	T25
5349641	**WGMSR3232**	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.

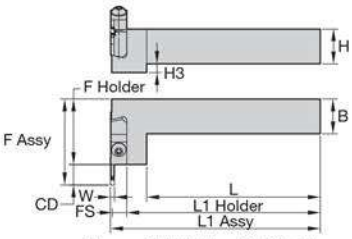
Toolholder Style	Hand of Holder	Hand of Blade
WGMS – Straight Mount	Right	Right
	Left	Left
WGME – End Mount	Right	Left
	Left	Right

Grooving and Cut-Off Blades found on page E38.

Face Grooving Blades found on page E39.



Right Hand Tool



F Assy = F (Holder) + CD (Blade)
L1 Assy = L1 (Holder) + FS (Blade) + W/2

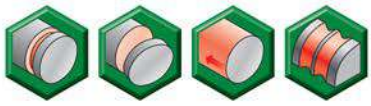
End Mount • Grooving, Cut-Off, and Face Grooving

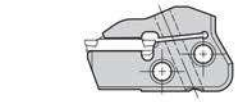
order number	catalogue number	H	B	L	L1	LS	F	H3
right hand								
5514979	**WGMER2525**	25	25	150,3	139,3	125,25	42,75	9
5515021	**WGMER3232**	32	32	170,3	159,3	145,25	42,75	–
left hand								
5514978	**WGMEL2525**	25	25	150,3	139,3	125,25	42,75	9
5515020	**WGMEL3232**	32	32	170,3	159,3	145,25	42,75	–

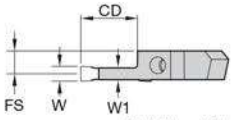
Toolholder Style	Hand of Holder	Hand of Blade
WGMS – Straight Mount	Right	Right
	Left	Left
WGME – End Mount	Right	Left
	Left	Right

Grooving and Cut-Off Blades found on page E38.

Face Grooving Blades found on page E39.







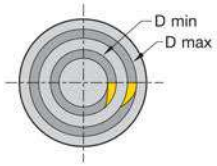
Right Hand Blade

Grooving and Cut-Off

order number	catalogue number	seat size	CD	W	FS	W1
right hand						
5359127	**WMTWGMR114S**	1	14,00	1,50	11,04	1,22
5359128	**WMTWGMR213S**	2	13,00	2,00	10,81	1,68
5359129	**WMTWGMR2B16S**	2B	16,50	2,39	10,71	1,88
5359130	**WMTWGMR319S**	3	19,00	3,00	10,38	2,54
5359131	**WMTWGMR419S**	4	19,00	4,00	10,00	3,30
5359132	**WMTWGMR522S**	5	22,00	5,00	9,82	3,66
5359133	**WMTWGMR622S**	6	22,00	6,00	9,26	4,78
left hand						
5359120	**WMTWGML114S**	1	14,00	1,50	11,04	1,22
5359121	**WMTWGML213S**	2	13,00	2,00	10,81	1,68
5359122	**WMTWGML2B16S**	2B	16,50	2,39	10,71	1,88
5359123	**WMTWGML319S**	3	19,00	3,00	10,38	2,54
5359124	**WMTWGML419S**	4	19,00	4,00	10,00	3,30
5359125	**WMTWGML522S**	5	22,00	5,00	9,82	3,66
5359126	**WMTWGML622S**	6	22,00	6,00	9,26	4,78

NOTE: Blade and clamp screw torque equals 8–10 Nm.

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



Face Grooving

order number	catalogue number	seat size	D min	D max	CD	W	FS
right hand							
5359150	WMTWGMR313B038-052	3	38,00	52,00	12,70	3,00	11,00
5359151	WMTWGMR316B052-070	3	52,00	70,00	15,88	3,00	11,00
5359154	WMTWGMR416B052-070	4	52,00	70,00	15,88	4,00	10,50
5359152	WMTWGMR316B070-100	3	70,00	100,00	15,88	3,00	11,00
5359155	WMTWGMR416B070-100	4	70,00	100,00	15,88	4,00	10,50
5359153	WMTWGMR319B100-205	3	100,00	205,00	19,05	3,00	11,00
5359156	WMTWGMR419B100-205	4	100,00	205,00	19,05	4,00	10,50
5359157	WMTWGMR522B100-205	5	100,00	205,00	22,00	5,00	10,00
5359158	WMTWGMR622B100-205	6	100,00	205,00	22,00	6,00	10,00
left hand							
5359146	WMTWGML616B030-052	6	30,00	52,00	15,88	6,00	10,00
5359134	WMTWGML313B038-052	3	38,00	52,00	12,70	3,00	11,00
5359138	WMTWGML413B038-052	4	38,00	52,00	12,70	4,00	10,50
5359142	WMTWGML516B038-052	5	38,00	52,00	15,88	5,00	10,00
5359135	WMTWGML316B052-070	3	52,00	70,00	15,88	3,00	11,00
5359139	WMTWGML416B052-070	4	52,00	70,00	15,88	4,00	10,50
5359143	WMTWGML519B052-070	5	52,00	70,00	19,05	5,00	10,00
5359147	WMTWGML619B052-070	6	52,00	70,00	19,05	6,00	10,00
5359136	WMTWGML316B070-100	3	70,00	100,00	15,88	3,00	11,00
5359140	WMTWGML416B070-100	4	70,00	100,00	15,88	4,00	10,50
5359144	WMTWGML519B070-100	5	70,00	100,00	19,05	5,00	10,00
5359148	WMTWGML619B070-100	6	70,00	100,00	19,05	6,00	10,00
5359137	WMTWGML319100-205	3	100,00	205,00	19,05	3,00	11,00
5359141	WMTWGML419B100-205	4	100,00	205,00	19,05	4,00	10,50
5359145	WMTWGML522B100-205	5	100,00	205,00	22,00	5,00	10,00
5359149	WMTWGML622B100-205	6	100,00	205,00	22,00	6,00	10,00

NOTE: Blade and clamp screw torque equals 8–10 Nm.

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