


New tools catalog 2016




Thread tools

		Page
5200	Thread mill - ISO 60°	257
	For machining internal and external threads	
5300	Helical thread mill - ISO 60°	259
	For machining internal and external threads	
5700	Double profile whirling tool	263
	Less burrs compared to thread mills. Enables machining of the full profile (bottom and top of the thread)	




Drills

300	EXPERT drill for composite materials	161
	The reference for drilling panels made of carbon and glass fiber reinforced polymers	
342	Micro twist drill - helix 34° - shank Ø3	177
	Ideal drill to use with a shrink fit chuck. Same tool as reference 343 but with a shank of ø 3 mm	
344	Twist drill with coolant holes	209
	Available from ø 0.7 mm. Smaller diameters available upon request	
370	EXPERT drill - stainless steel	193
	Best for drilling in stainless steel. Tool life up to 4 times longer than a standard drill. More precise hole and less burr	
331-90	Pyramid center drill	162
	Ideal for hard materials and materials with short chips (e.g.: hardened steel, cast iron, brass)	

Engraving mills




119-5	Engraving mill 4 facets - with flat tip	156
	Recommended for hard materials, typically hardened steel and cast iron	
119-5R	Engraving mill 4 facets - radius on tip	157
	Recommended for hard materials, typically hardened steel and cast iron	
119E	Engraving mill 180° - rough version	158
	Raw tool, to be finalized by the customer	

End mills








1120	Multi-uses end mill	87
	Multi-purpose tool: centering, drilling, chamfering and milling in one tool	
1210	Micro end mill 2 teeth $l_1=1xd_1$	98
	Performant micro end mill with cutting length equal to diameter	
1620	End mill Z4 - variable helix & pitch	109
	high productivity end mill, thanks to a huge reduction of machining vibrations. High surface quality.	

1621	End mill Z3 - variable helix & pitch	110
	Similar to reference 1620, but can also be used for face milling (more space for chips)	
1820	EXPERT end mill for brass	111
	Special end mill for machining brass, with or without lead. Tool life doubled compared to a standard end mill. Excellent surface quality and high productivity. For roughing and finishing operations.	
107-1	Universal end mill Z1	123
	Recommended for machining soft plastics (PVC, ...), wood, or for contour milling of aluminium plates	

PCD tools

4120	Countersink in PCD 90°	80
	Recommended for high throughput applications. Excellent surface quality, thanks to a laser sharpening process. Works in any non ferrous material	
45200	PCD thread mill	84
	Any thread profile made possible in any non ferrous material	
4119-3	Engraving mill in PCD - ¾ - flat tip	79
	Very performant end mill for precious materials and «mother of pearl». Flat tip from ø 0.02 mm	

Tools on the W&M 701S machine

7010	End mill for 701S machine	18
	End mill Z2 for drilling by helical interpolation	
7102	Micro end mill 2 teeth for 701S machine	22
	The reference 102 adapted to the W&M 701S machine requirements	
7119	Engraving mill for 701S machine	19
	The reference 119 adapted to the W&M 701S machine requirements	
7339	Twist drill helix 24° for 701S machine	21
	The reference 339 adapted to the W&M 701S machine requirements	
7111-1	Straight cut end mill Z1 - for 701S machine	23
	The reference 111-1 adapted to the W&M 701S machine requirements	
7111-3	Straight cut end mill Z3 - for 701S machine	24
	The reference 111-3 adapted to the W&M 701S machine requirements	
74119-3	Engraving mill in PCD for 701S machine	20
	The reference 4119-3 adapted to the W&M 701S machine requirements	