

Outils pour machine **WM 701S**
Werkzeuge für Maschine **WM 701S**
Executions for machine **WM 701S**



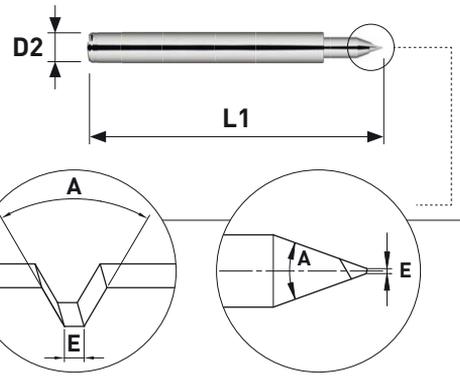
**Tous les outils de notre catalogue sont réalisables
pour la machine WM 701S sur demande.**

**Alle Werkzeuge unseres Katalogs sind machbar
für die Maschine WM 701S auf Anfrage.**

**All tools of our catalogue can be produced for
the machine WM 701S on request.**

Fraises à graver avec plat - WM 701S
 Gravierfräser mit Fläche - WM 701S
 Engraving mills with flat - WM 701S

MD
 VHM
 HM



Art. N°	A	E	D2 h4	L1	N	TiAlN	STF	ALFA-TOP
701S2330-P_(E)	30°	0.02-0.10* / 0.10-0.30**	6.00	33	●	●	●	●
701S2335-P_(E)	35°	0.02-0.10* / 0.10-0.30**	6.00	33	●	●	●	●
701S2340-P_(E)	40°	0.02-0.10* / 0.10-0.30**	6.00	33	●	●	●	●
701S2350-P_(E)	50°	0.02-0.10* / 0.10-0.30**	6.00	33	●	●	●	●
701S2360-P_(E)	60°	0.02-0.10* / 0.10-0.30**	6.00	33	●	●	●	●

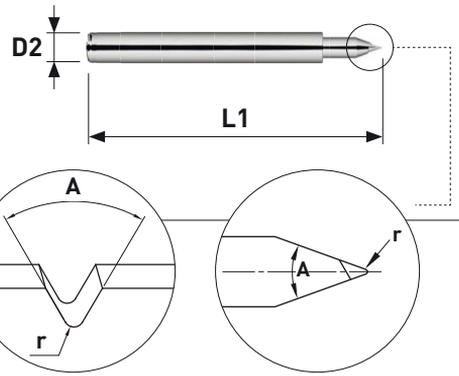
* tous les 0.01 mm
 alle 0.01 mm
 every 0.01 mm

** tous les 0.05 mm
 alle 0.05 mm
 every 0.05 mm



Fraises à graver à rayon - WM 701S
 Gravierfräser mit Radius - WM 701S
 Engraving mills with radius - WM 701S

MD
 VHM
 HM



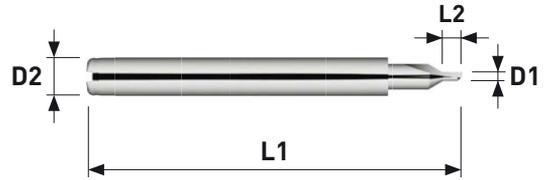
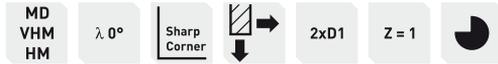
Art. N°	A	r	D2 h4	L1	N	TiAlN	STF	ALFA-TOP
701S2330-R_(r)	30°	0.04-0.10* / 0.10-0.30**	6.00	33	●	●	●	●
701S2335-R_(r)	35°	0.04-0.10* / 0.10-0.30**	6.00	33	●	●	●	●
701S2340-R_(r)	40°	0.04-0.10* / 0.10-0.30**	6.00	33	●	●	●	●
701S2350-R_(r)	50°	0.04-0.10* / 0.10-0.30**	6.00	33	●	●	●	●
701S2360-R_(r)	60°	0.04-0.10* / 0.10-0.30**	6.00	33	●	●	●	●

* tous les 0.01 mm
 alle 0.01 mm
 every 0.01 mm

** tous les 0.05 mm
 alle 0.05 mm
 every 0.05 mm



Fraises en bout - WM 701S
 Schaftfräser - WM 701S
 End mills - WM 701S



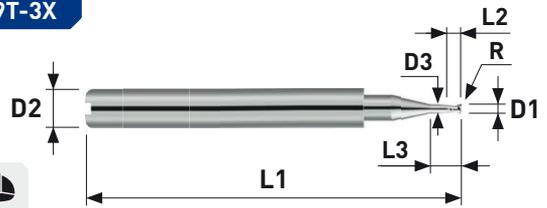
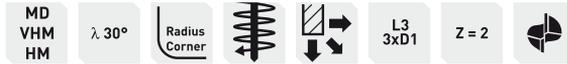
Art. N°	D1 +0.005 -0.010	L2	D2 ^{h4}	L1	N	TiAlN	STF	ALFA- TOP
701S4170R-2-0.50	0.50	1.00	6.00	33	●	●	●	●
701S4170R-2-1.00	1.00	2.00	6.00	33	●	●	●	●
701S4170R-2-1.50	1.50	3.00	6.00	33	●	●	●	●
701S4170R-2-2.00	2.00	4.00	6.00	33	●	●	●	●
701S4170R-2-2.50	2.50	5.00	6.00	33	●	●	●	●
701S4170R-2-3.00	3.00	6.00	6.00	33	●	●	●	●



Fraises en bout toriques - WM 701S

Torische Schaftfräser - WM 701S

Toric end mills - WM 701S



Art. N°	D1 +0.005 -0.010	R +/-0.020	L2	L3	D3	D2 h4	L1	N	TiAlN	STF	ALFA- TOP
701S4279T-3X-0.30	0.30	0.05	0.30	0.90	0.27	6.00	33	●	●	●	●
701S4279T-3X-0.40	0.40	0.05	0.40	1.20	0.45	6.00	33	●	●	●	●
701S4279T-3X-0.50	0.50	0.05	0.50	1.50	0.45	6.00	33	●	●	●	●
701S4279T-3X-0.60	0.60	0.05	0.60	1.80	0.55	6.00	33	●	●	●	●
701S4279T-3X-0.80	0.80	0.05	0.80	2.40	0.75	6.00	33	●	●	●	●
701S4279T-3X-1.00	1.00	0.10	1.00	3.00	0.95	6.00	33	●	●	●	●
701S4279T-3X-1.20	1.20	0.10	1.20	3.60	1.15	6.00	33	●	●	●	●
701S4279T-3X-1.50	1.50	0.20	1.50	4.50	1.45	6.00	33	●	●	●	●
701S4279T-3X-1.80	1.80	0.20	1.80	5.40	1.75	6.00	33	●	●	●	●
701S4279T-3X-2.00	2.00	0.20	2.00	6.00	1.95	6.00	33	●	●	●	●
701S4279T-3X-2.50	2.50	0.20	2.50	7.50	2.45	6.00	33	●	●	●	●
701S4279T-3X-3.00	3.00	0.20	3.00	9.00	2.95	6.00	33	●	●	●	●



Fraises en bout - WM 701S
Schafftfräser - WM 701S
End mills - WM 701S

MD
VHM
HM

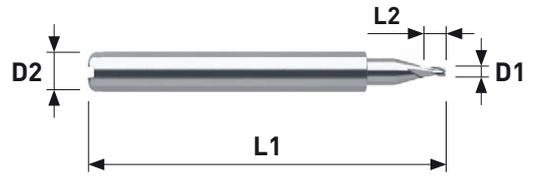
λ 36°
 λ 37°
 λ 38°

Sharp
Corner



1xD1

Z = 3



Art. N°	D1 +0.005 -0.010	L2	D2 h4	L1	N	TiAlN	TiCN	ALFA- TOP
701S4370-1-0.30	0.30	0.30	6.00	33	●	●	●	●
701S4370-1-0.40	0.40	0.40	6.00	33	●	●	●	●
701S4370-1-0.50	0.50	0.50	6.00	33	●	●	●	●
701S4370-1-0.60	0.60	0.60	6.00	33	●	●	●	●
701S4370-1-0.80	0.80	0.80	6.00	33	●	●	●	●
701S4370-1-1.00	1.00	1.00	6.00	33	●	●	●	●
701S4370-1-1.20	1.20	1.20	6.00	33	●	●	●	●
701S4370-1-1.50	1.50	1.50	6.00	33	●	●	●	●
701S4370-1-1.80	1.80	1.80	6.00	33	●	●	●	●
701S4370-1-2.00	2.00	2.00	6.00	33	●	●	●	●
701S4370-1-2.50	2.50	2.50	6.00	33	●	●	●	●
701S4370-1-3.00	3.00	3.00	6.00	33	●	●	●	●
701S4370-1-3.20	3.20	3.20	6.00	33	●	●	●	●



Fraises en bout - WM 701S
Schafftfräser - WM 701S
End mills - WM 701S

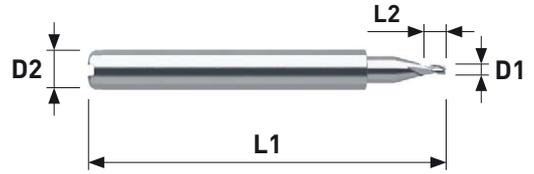
MD
VHM
HM

λ 36°
 λ 37°
 λ 38°



2xD1

Z = 3



Art. N°	D1 +0.005 -0.010	L2	D2 h4	L1	N	TiAlN	TiCN	ALFA- TOP
701S4370-2-0.30	0.30	0.60	6.00	33	●	●	●	●
701S4370-2-0.40	0.40	0.80	6.00	33	●	●	●	●
701S4370-2-0.50	0.50	1.00	6.00	33	●	●	●	●
701S4370-2-0.60	0.60	1.20	6.00	33	●	●	●	●
701S4370-2-0.80	0.80	1.60	6.00	33	●	●	●	●
701S4370-2-1.00	1.00	2.00	6.00	33	●	●	●	●
701S4370-2-1.20	1.20	2.40	6.00	33	●	●	●	●
701S4370-2-1.50	1.50	3.00	6.00	33	●	●	●	●
701S4370-2-1.80	1.80	3.60	6.00	33	●	●	●	●
701S4370-2-2.00	2.00	4.00	6.00	33	●	●	●	●
701S4370-2-2.50	2.50	5.00	6.00	33	●	●	●	●
701S4370-2-3.00	3.00	6.00	6.00	33	●	●	●	●



Fraises en bout - WM 701S
Schafftfräser - WM 701S
End mills - WM 701S

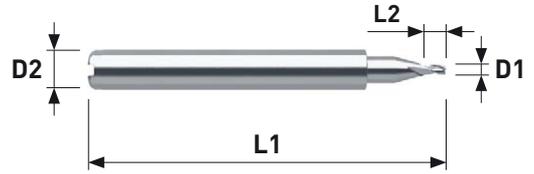
MD
VHM
HM

λ 36°
 λ 37°
 λ 38°



3xD1

Z = 3



Art. N°	D1 +0.005 -0.010	L2	D2 h4	L1	N	TiAlN	TiCN	ALFA- TOP
701S4370-3-0.30	0.30	0.90	6.00	33	●	●	●	●
701S4370-3-0.40	0.40	1.20	6.00	33	●	●	●	●
701S4370-3-0.50	0.50	1.50	6.00	33	●	●	●	●
701S4370-3-0.60	0.60	1.80	6.00	33	●	●	●	●
701S4370-3-0.80	0.80	2.40	6.00	33	●	●	●	●
701S4370-3-1.00	1.00	3.00	6.00	33	●	●	●	●
701S4370-3-1.20	1.20	3.60	6.00	33	●	●	●	●
701S4370-3-1.50	1.50	4.50	6.00	33	●	●	●	●
701S4370-3-1.80	1.80	5.40	6.00	33	●	●	●	●
701S4370-3-2.00	2.00	6.00	6.00	33	●	●	●	●
701S4370-3-2.50	2.50	7.50	6.00	33	●	●	●	●



701S4379T-3X

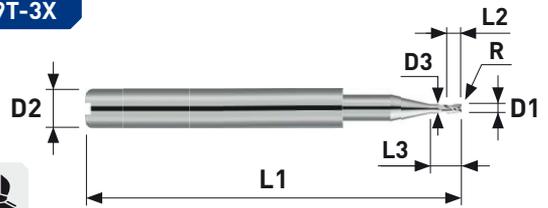
Fraises en bout toriques - WM 701S

Torische Schaftfräser - WM 701S

Toric end mills - WM 701S

MD
VHM
HM λ 30°Radius
CornerL3
3xD1

Z = 3



Art. N°	D1 +0.005 -0.010	R +/-0.020	L2	L3	D3	D2 h4	L1	N	TiAlN	STF	ALFA- TOP
701S4379T-3X-1.00	1.00	0.10	2.00	3.00	0.95	6.00	33	●	●	●	●
701S4379T-3X-1.50	1.50	0.20	3.00	4.50	1.45	6.00	33	●	●	●	●
701S4379T-3X-2.00	2.00	0.20	4.00	6.00	1.95	6.00	33	●	●	●	●



Fraises à angler - WM 701S
Kegelsenker - WM 701S
Chamfering tools - WM 701S

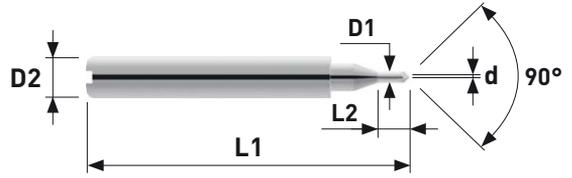
MD
VHM
HM

λ 0°



Z = 3

90°



Art. N°	D1 +0.010 -0.010	L2	D2 h4	L1	d +/-0.020	N	TiAlN	STF	ALFA- TOP
701S4911-0.40	0.40	2.00	6.00	33	0.05	●	●	●	●
701S4911-0.50	0.50	2.50	6.00	33	0.05	●	●	●	●
701S4911-0.60	0.60	2.50	6.00	33	0.05	●	●	●	●
701S4911-1.00	1.00	3.00	6.00	33	0.05	●	●	●	●
701S4911-1.50	1.50	4.50	6.00	33	0.05	●	●	●	●
701S4911-2.00	2.00	4.50	6.00	33	0.05	●	●	●	●



Informations techniques et symboles

Technische Informationen und Symbole

Technical information and symbols

	<p>Angle Winkel Angle</p>		<p>Coin vif Scharfkantige Ecke Sharp corner</p>
	<p>Angle d'hélice Spiralwinkel Helix angle</p>		<p>Fraises hémisphériques Radiusfräser End mills with ball nose</p>
	<p>Hélice différente Unterschiedliche Spirale Different helix</p>		<p>Rayon de coin Eckradius Corner radius</p>
	<p>Hélice progressive Progressive Spirale Progressive helix</p>		<p>Dents avec coupe centrale Zähne Zentrumschnitt Teeth center cutting</p>
	<p>Nombre de dents Anzahl der Zähne Number of teeth</p>		<p>Denture décalée Versetzte Verzahnung Alternated teeth</p>
	<p>Rapport longueur-diamètre Länge-Durchmesser Verhältnis Length to diameter ratio</p>		<p>Denture à pas irrégulier, hélice différente Ungleiche Teilung, unterschiedliche Spirale Uneven tooth pitch, different helix</p>
	<p>Lèvres, affûtage à facettes Schneiden, Facettenschärfen Flutes, sharpening with facets</p>		<p>Denture à pas irrégulier, hélice progressive Ungleiche Teilung, progressive Spirale Uneven tooth pitch, progressive helix</p>
	<p>Taillage demi-lune Kanonenbohrer Spitze Gundrills tip</p>		<p>Usinage torique Torusbearbeitung Toroidal machining</p>
	<p>Taillage renforcé 3/4 3/4 genuteter Fräser 3/4 straight fluted</p>		<p>Sens horaire Uhrzeigersinn Clockwise</p>
	<p>Usinage radial, diagonal et axial Radiale, diagonale und axiale Bearbeitung Radial, diagonal and axial machining</p>		<p>Sens antihoraire Gegenuhrzeigersinn Counterclockwise</p>
	<p>Usinage radial et axial Radiale und axiale Bearbeitung Radial and axial machining</p>		<p>Métal dur Vollhartmetall Hard metal</p>
	<p>Chanfrein Fase Chamfer</p>		