

Fraises à angler

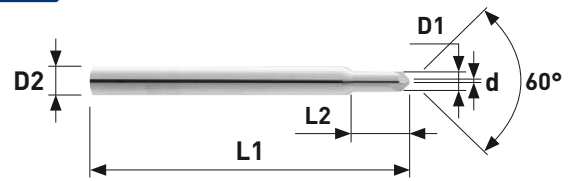
Kegelsenker

Chamfering tools

MD
VHM
HM $\lambda \ 0^\circ$ 

Z = 3

60°



Art. N°	D1 +0.01 -0.01	L2	D2 h4	L1	d	N	TiAlN	STF
4611-0.5	0.50	3.00	3.00	39	0.10	●	●	●
4611-0.6	0.60	3.00	3.00	39	0.10	●	●	●
4611-0.7	0.70	3.00	3.00	39	0.10	●	●	●
4611-0.8	0.80	3.00	3.00	39	0.10	●	●	●
4611-0.9	0.90	3.00	3.00	39	0.10	●	●	●
4611-1.0	1.00	3.00	3.00	39	0.10	●	●	●
4611-1.5	1.50	4.50	3.00	39	0.10	●	●	●
4611-2.0	2.00	6.00	3.00	39	0.10	●	●	●
4611-2.5	2.50	7.50	3.00	39	0.10	●	●	●
4611-3.0	3.00	-	3.00	39	0.10	●	●	●



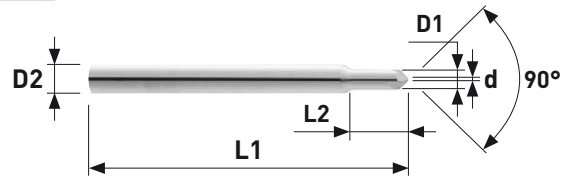
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VHM
HM $\lambda \ 0^\circ$ 

Z = 3

 90° 

Art. N°	D1 +0.010 -0.010	L2	D2 h4	L1	d	N	TiAlN	STF
4911-0.30	0.30	2.00	3.00	39	0.05	●	●	●
4911-0.40	0.40	2.00	3.00	39	0.05	●	●	●
4911-0.50	0.50	3.00	3.00	39	0.10	●	●	●
4911-0.60	0.60	3.00	3.00	39	0.10	●	●	●
4911-0.70	0.70	3.00	3.00	39	0.10	●	●	●
4911-0.80	0.80	3.00	3.00	39	0.10	●	●	●
4911-0.90	0.90	3.00	3.00	39	0.10	●	●	●
4911-1.00	1.00	3.00	3.00	39	0.10	●	●	●
4911-1.10	1.10	3.00	3.00	39	0.10	●	●	●
4911-1.20	1.20	3.00	3.00	39	0.10	●	●	●
4911-1.30	1.30	3.00	3.00	39	0.10	●	●	●
4911-1.40	1.40	3.00	3.00	39	0.10	●	●	●
4911-1.50	1.50	4.50	3.00	39	0.10	●	●	●
4911-2.00	2.00	6.00	3.00	39	0.10	●	●	●
4911-2.50	2.50	7.50	3.00	39	0.10	●	●	●
4911-3.00	3.00	-	3.00	39	0.10	●	●	●



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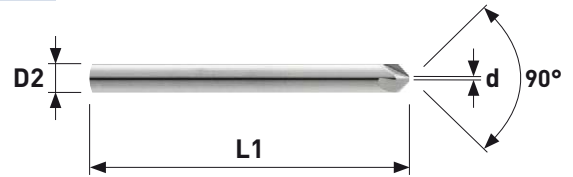
MD
VHM
HM

λ 0°



Z = 4

90°



Art. N°	D2 Ø3h4 Ø6h5 Ø8h6	d	L1	N	TiAlN	STF
4901-3.0	3.00	0.30	39	•	•	•
4901-6.0	6.00	0.70	50	•	•	•
4901-8.0	8.00	1.20	59	•	•	•



Informations techniques et symboles

Technische Informationen und Symbole

Technical information and symbols

 60° 90° 120°	Angle Winkel Angle	 Sharp Corner	Coin vif Scharfkantige Ecke Sharp corner
 λ 25°	Angle d'hélice Spiralwinkel Helix angle		Fraises hémisphériques Radiusfräser End mills with ball nose
 λ 36° λ 38° λ 40°	Hélice différente Unterschiedliche Spirale Different helix	 Radius Corner	Rayon de coin Eckradius Corner radius
 λ 35°/38°	Hélice progressive Progressive Spirale Progressive helix		Dents avec coupe centrale Zähne Zentrumschnitt Teeth center cutting
 Z	Nombre de dents Anzahl der Zähne Number of teeth		Denture décalée Versetzte Verzahnung Alternated teeth
 2xD1	Rapport longueur-diamètre Länge-Durchmesser Verhältnis Length to diameter ratio	 DHD	Denture à pas irrégulier, hélice différente Ungleiche Teilung, unterschiedliche Spirale Uneven tooth pitch, different helix
	Lèvres, affûtage à facettes Schneiden, Facettenschärfen Flutes, sharpening with facets	 DHP	Denture à pas irrégulier, hélice progressive Ungleiche Teilung, progressive Spirale Uneven tooth pitch, progressive helix
	Taillage demi-lune Kanonenbohrer Spitze Gundrills tip		Usinage torique Torusbearbeitung Toroidal machining
	Taillage renforcé 3/4 3/4 genuteter Fräser 3/4 straight fluted	 CW	Sens horaire Uhrzeigersinn Clockwise
	Usinage radial, diagonal et axial Radiale, diagonale und axiale Bearbeitung Radial, diagonal and axial machining	 CCW	Sens antihoraire Gegenuhrzeigersinn Counterclockwise
	Usinage radial et axial Radiale und axiale Bearbeitung Radial and axial machining	 MD VHM HM	Métal dur Vollhartmetall Hard metal
 45° E	Chanfrein Fase Chamfer		