

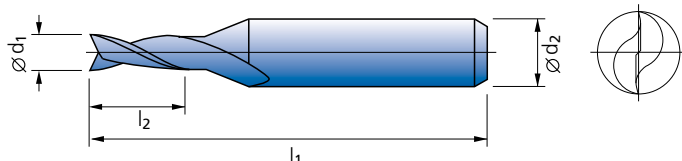
HAM 45-2031

Vollhartmetall-Fräser

2 Schneiden, rechtsschneidend, rechtsspiralgenutet, mit Schaft-Ø 1/8" (3,175 mm), Gesamtlänge 1 1/2" (38 mm), mit Fischeschwanz-Anschliff (Standard), Sonderanschliffe möglich

Solid carbide end routers

2 cutting edges, right-hand cut, right-hand spiral fluted, shank dia. 1/8" (3,175 mm), total length 1 1/2" (38 mm), with fishtail (standard), special cutting end possible

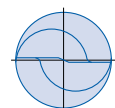
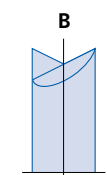


Konturenfräser für sämtliche bekannten Leiterplattenmaterialien. Besonders geeignet für:
– flexible Materialien
– lange Schlitzte

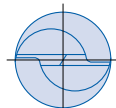
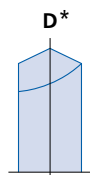
Routers for all known PCB-materials. Especially suited for:
– flexible materials
– long slots

VHM Solid Carbide	45-2031 (ehemals/previous HAM 423)			
	d1 mm	l2 mm	d2 mm	l1 mm
	0,20 *	1,5	3,175	38
	0,30 *	2,0	3,175	38
	0,40	2,5	3,175	38
	0,50	3,0	3,175	38
	0,60	3,0	3,175	38
	0,70	4,0	3,175	38
	0,80	4,0	3,175	38
	0,90	4,0	3,175	38
	1,00	5,0	3,175	38
	1,10	5,0	3,175	38
	1,20	5,0	3,175	38
	1,30	5,0	3,175	38
	1,40	5,0	3,175	38
	1,50	5,0	3,175	38
	1,60	6,0	3,175	38
	1,70 *	6,0	3,175	38
	1,80 *	6,0	3,175	38
	1,90 *	6,0	3,175	38

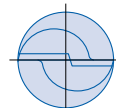
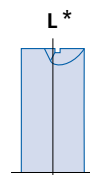
VHM Solid Carbide	45-2031 (ehemals/previous HAM 423)			
	d1 mm	l2 mm	d2 mm	l1 mm
	2,00	9,0	3,175	38
	2,10 *	9,0	3,175	38
	2,20 *	9,0	3,175	38
	2,30 *	9,0	3,175	38
	2,40	10,0	3,175	38
	2,50	10,0	3,175	38
	2,60	10,0	3,175	38
	2,70 *	10,0	3,175	38
	2,80 *	10,0	3,175	38
	2,90 *	10,0	3,175	38
	3,00	12,0	3,175	38
	3,10	12,0	3,175	38
	3,175	12,0	3,175	38
	Standard-Verpackung 10 Stück /standard packaging 10 pcs Bestellbeispiel /order example: 45-2031-03175-120-000			
	Euromagazin* /euromagazine* Bestellbeispiel /order example: 45-2031-03175-120-100			
	* auf Anfrage / *on request			
	Alle Abmessungen auch mit Schaft-Ø 3,00 mm erhältlich / all sizes also available with shank dia. 3,00 mm Bestellbeispiel /order example: 45-2033-03175-120-000			



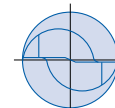
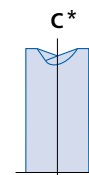
Standard/standard



* auf Anfrage / *on request
d2 = 3,175 mm: 45-2021
d2 = 3,000 mm: 45-2023



* auf Anfrage / *on request
d2 = 3,175 mm: 45-2041
d2 = 3,000 mm: 45-2043



* auf Anfrage / *on request
d2 = 3,175 mm: 45-2061
d2 = 3,000 mm: 45-2063