Download Catalog Pages (PDF)

			Dimension	Ø5	Ø6	Ø8	Ø10	Ø12	Ø16	Ø20			
			Infeed in mm	ae= 0.15xD ap= L2 max	ae= 0.15xD ap= L2 max	ae= 0.15xD ap= L2 max	ae= 0.15xD ap= L2 max	ae= 0.15xD ap= L2 max	ae= 0.15xD ap= L2 max	ae= 0.15xD ap= L2 max			
			Application										
	Material	**Strength (N/mm²)**	**Feed (mm/Z)**	fz	fz	fz	fz	fz	fz	fz			
N			**Vc (m/min)**										
1.1	Aluminium, alloyed	<500	520	0.045	0.055	0.075	0.09	0.11	0.15	0.18			
1.2	Aluminium, alloyed	<600	500	0.045	0.055	0.075	0.09	0.11	0.15	0.18			
2.1-2.3	Aluminium, casted	<600	480	0.04	0.05	0.07	0.08	0.1	0.14	0.17			
3.1-3.3	Cooper, alloyed	<650	220	0.03	0.04	0.06	0.07	0.09	0.13	0.16			
4.1	Magnesium, alloyed	<250	520	0.045	0.055	0.075	0.09	0.11	0.15	0.18			
5.1	Thermoplastic	<100											
5.2	Duroplastic	<150											

NOTE | From Ø 10 we recommend the use of HB shank and side lock arbor (EXN1-M03-0034).

STILL CAN'T FIND A SUITABLE MILLING CUTTER?

No problem – simply customize an existing tool. Using our configurator for special milling cutters, you can customize existing tools to your needs in an instant or create your own tools based on predefined types.

WE WILL RESPOND TO ALL REQUESTS SUBMITTED VIA THE CONFIGURATOR WITHIN ONE WORKING DAY AT THE LATEST

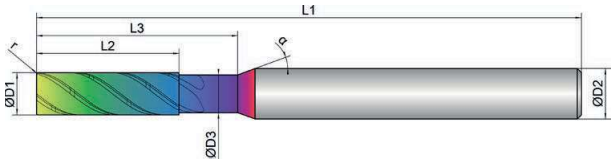
Cooling	
Tolerance	h6
Coating	AlphaSlide Rainbow
Strategy	ETC
Application	
Features	HA, 3xD

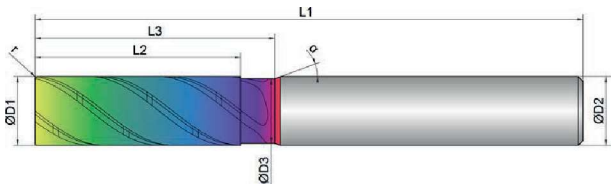
Expert

- Chip breaker for short, defined chip length
- Unequal tooth pitch combined with variable helical pitch for smooth running
- Reinforced face with 2 cutting edges to the center

- For roughing and finishing under ETC conditions
- For process reliable, helical diving and immersion

- Ideal chip evacuation, even with high radial depth of cutting





Roughing

inappropriate — optimal

Finishing

inappropriate — optimal

EXN1-M03-0033	D1 mm ø	D3 mm ø	L2 mm	L3 mm	L1 mm	D2 mm ø	z #	r mm	°	α °
5	5.0	4.5	17.0	24.0	65.0	6.0	4	0.15	38	20
6	6.0	5.5	18.0	25.0	65.0	6.0	4	0.15	38	20
8	8.0	7.5	24.0	30.0	70.0	8.0	4	0.20	38	20
10	10.0	9.4	30.0	35.0	80.0	10.0	4	0.20	38	20
12	12.0	11.4	36.0	45.0	93.0	12.0	4	0.20	38	20
16	16.0	15.4	48.0	55.0	110.0	16.0	4	0.30	38	20
20	20.0	19.4	60.0	70.0	125.0	20.0	4	0.30	38	20