





PM HSS-E high performance end mills





M42 universal end mills

Tool illustration				Tool material	Gühring no.
Standard	Type	Surface	Shank design	Diameter range	

RF 40 - Ratio end mills







				HSS-E-PM	3429
DIN 844 K	N	○	B	8.000 - 20.000	
				HSS-E-PM	3705
DIN 844 K	N	Ⓢ	B	8.000 - 20.000	
				HSS-E-PM	3432
DIN 844 L	N	○	B	16.000 - 30.000	
				HSS-E-PM	3706
DIN 844 L	N	Ⓢ	B	16.000 - 30.000	

GS 40 - roughing end mills with fine teeth







				HSS-E-PM	3322
DIN 844 K	NRf	○	B	6.000 - 20.000	
				HSS-E-PM	3668
DIN 844 K	NRf	Ⓢ	B	6.000 - 20.000	
				HSS-E-PM	3340
DIN 844 K	NRf	○	B	6.000 - 32.000	
				HSS-E-PM	3660
DIN 844 K	NRf	Ⓢ	B	6.000 - 32.000	

Tool illustration				Tool material	Gühring no.
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Slot drills (2-fluted)

				M42	3451
DIN 327 D	N	○	B	1.000 - 25.000	
				M42	3663
DIN 327 D	N	Ⓢ	B	1.000 - 25.000	
				M42	3452
DIN 844 K	N	○	B	3.000 - 20.000	
				M42	3694
DIN 844 K	N	Ⓢ	B	3.000 - 20.000	
				M42	3453
DIN 844 L	N	○	B	3.000 - 20.000	
				M42	3695
DIN 844 L	N	Ⓢ	B	3.000 - 20.000	

Slot drills (3-fluted)

				M42	3458
DIN 327 D	N	○	B	2.800 - 30.000	
				M42	3651
DIN 327 D	N	Ⓢ	B	2.800 - 30.000	
				M42	3459
DIN 844 K	N	○	B	2.800 - 20.000	
				M42	3664
DIN 844 K	N	Ⓢ	B	2.800 - 20.000	
				M42	3460
DIN 844 L	N	○	B	3.000 - 20.000	
				M42	3836
DIN 844 L	N	Ⓢ	B	3.000 - 20.000	

○ bright	● steam tempered	● nitrided lands	● nitrided	● golden brown	● TiAlN
Ⓢ AlTiN	Ⓢ TiCN	Ⓢ FIRE	Ⓢ AlCrN	Ⓢ TiN	Ⓢ MolyGlide

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Mini slot drills (3-fluted)

	M42	3142			
Gühring std.	N	○	B	3.000 - 10.000	
	M42	3144			
Gühring std.	N	●	B	3.000 - 10.000	
	M42	3143			
Gühring std.	N	○	B	3.000 - 10.000	
	M42	3145			
Gühring std.	N	●	B	3.000 - 10.000	

Ball nose slot drills (2-fluted)

	M42	3466			
DIN 327 D	N	○	B	2.000 - 28.000	
	M42	3703			
DIN 327 D	N	●	B	2.000 - 30.000	
	M42	3467			
Gühring std.	N	○	B	3.000 - 30.000	
	M42	3704			
Gühring std.	N	●	B	3.000 - 20.000	

End mills

	M42	3428			
DIN 844 K	N	○	B	2.000 - 32.000	
	M42	3670			
DIN 844 K	N	●	B	2.000 - 32.000	
	M42	3431			
DIN 844 L	N	○	B	3.000 - 40.000	
	M42	3692			
DIN 844 L	N	●	B	3.000 - 32.000	

Tool illustration				Tool material	Gühring no.
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End mills

	M42	3433			
Gühring std.	N	○	B	6.000 - 20.000	

Roughing end mills

	M42	3346			
DIN 844 K	NR	○	B	6.000 - 50.000	
	M42	3690			
DIN 844 K	NR	●	B	6.000 - 50.000	
	M42	3347			
DIN 844 L	NR	○	B	6.000 - 36.000	
	M42	3650			
DIN 844 L	NR	●	B	6.000 - 36.000	

Roughing/finishing end mills

	M42	3343			
DIN 844 K	NF	○	B	6.000 - 50.000	
	M42	3669			
DIN 844 K	NF	●	B	6.000 - 40.000	
	M42	3342			
DIN 844 L	NF	○	B	6.000 - 36.000	
	M42	3698			
DIN 844 L	NF	●	B	6.000 - 32.000	

Morse taper end mills




	HSCO	3117			
DIN 845 K	NR	○	MK	10.000 - 50.000	
	HSCO	3118			
DIN 845 K	NF	○	MK	10.000 - 50.000	

○ bright	● steam tempered	● nitrided lands	● nitrided	● golden brown	● TiAlN
● A TiN	● C TiCN	● F FIRE	● P AlCrN	● S TiN	● M MolyGlide





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Morse taper end mills

				HSCO	3440
DIN 845 K	N	○	MK	14.000 - 45.000	
				HSCO	3121
DIN 845 L	NR	○	MK	16.000 - 40.000	
				HSCO	3120
DIN 845 L	N	○	MK	16.000 - 63.000	




End mills with international taper

				HSCO	3130
DIN 2328 K	N	○	SK	32.000 - 80.000	
				HSCO	3133
DIN 2328 L	N	○	SK	32.000 - 80.000	
				HSCO	3131
DIN 2328 K	NR	○	SK	32.000 - 80.000	
				HSCO	3134
DIN 2328 L	NR	○	SK	32.000 - 80.000	

Side and face cutters



				HSCO	3530
DIN 885	N	○		50.000 - 200.000	

Shell end mills


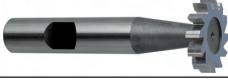
				M42	3504
DIN 1880	N	○		40.000 - 100.000	
				M42	3654
DIN 1880	N	⊙		40.000 - 100.000	
				M42	3187
DIN 1880	NF	○		40.000 - 160.000	

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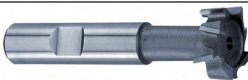
Shell end mills

				M42	3185
DIN 1880	NR	○		40.000 - 160.000	
				M42	3749
DIN 1880	NR	⊙		40.000 - 100.000	


Woodruff cutters

				HSCO	3580
DIN 850 D	N	○	B	4.500 - 45.500	
				HSCO	3579
DIN 850 C	H	○	A	4.500 - 45.500	


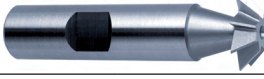


T-slot end mills

				HSCO	3570
DIN 851	N	○	B	12.500 - 32.000	

Corner rounding cutters

				HSCO	3176
DIN 6518	N	○	$r < 10,0$ B/D	10.000 - 56.000	

Dovetail cutters

				HSCO	3572
DIN 1833 C	H	○	B	16.000 - 32.000	
				HSCO	3576
DIN 1833 D	H	○	B	16.000 - 25.000	
				HSCO	3574
DIN 1833 C	H	○	B	16.000 - 32.000	
				HSCO	3577
DIN 1833 D	H	○	B	16.000 - 32.000	

○ bright	● steam tempered	● nitrided lands	● nitrided	● golden brown	● TiAlN
● A AlTiN	● C TiCN	● F FIRE	● P AlCrN	● S TiN	● M MolyGlide