

New Product



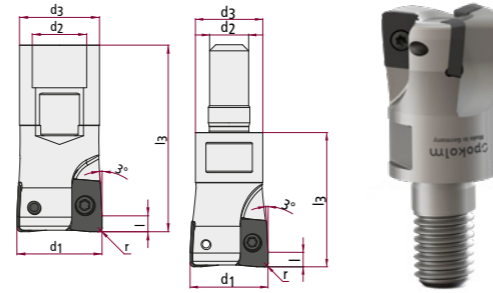
SLOTWORX[®] VF

Multifunctional indexable cutter
for finishing operation.

SLOTWORX® VF

Diam. 16 - 42 mm | size M

The new **SLOTWORX® VF** is a cutter specially designed for finishing. Due to the special geometry of the indexable insert, the tool can be used for both wall and face finishing. The robust embedded insert seat in the cutter ensures a high degree of accuracy of the indexable insert and smooth running of the tool.



- Finishing wall or face surfaces
- High number of teeth for higher feed
- Available as screw-in type or DuoPlug® connection interface
- Corner radius R0.8 on the insert reduces the cutting pressure

	Catalogue no.	d ₁	l	r	l ₃	l ₂	l ₁	d ₂	d ₃	z	Accessories	Features
Screw-in type	VF09-016-E08-02	16	9.52	0.8	27.5	-	-	M 8	13.8	2	A, B, C, D, E	🔧🔧🔧
	VF09-020-E10-03	20	9.52	0.8	27.5	-	-	M 10	18	3	A, B, C, D, E	🔧🔧🔧
	VF09-025-E12-04	25	9.52	0.8	32.5	-	-	M 12	21	4	A, B, C, D, E	🔧🔧🔧
	VF09-032-E16-05	32	9.52	0.8	32.5	-	-	M 16	29	5	A, B, C, D, E	🔧🔧🔧
	VF09-035-E16-06	35	9.52	0.8	32.5	-	-	M 16	29	6	A, B, C, D, E	🔧🔧🔧
	VF09-042-E16-07	42	9.52	0.8	32.5	-	-	M 16	29	7	A, B, C, D, E	🔧🔧🔧

	Catalogue no.	DIN description	Carbide Grade	Coating	l/d	s	r	Torx-screw
DuoPlug®	VF09-016-D10-02	BPHX 090308 PER-1.5	HSC 05	PPTi	9.52	2.38	0.8	M 2.5
	VF09-020-D12-03	BPHX 090308 PER-1.5	HSC 05	PPTi	9.52	2.38	0.8	M 2.5
	VF09-025-D16-04	BPHX 090308 PER-1.5	HSC 05	PPTi	9.52	2.38	0.8	M 2.5

Indexable inserts	Catalogue no.	DIN description	Carbide Grade	Coating	l/d	s	r	Torx-screw
	VF09-8035-R08-LH-2	BPHX 090308 PER-1.5	HSC 05	PPTi	9.52	2.38	0.8	M 2.5

Accessories	A	B	C	D	E
	25 500	POKOLM 07 500	TV 04-1	T7 500	T7 502
Torque 0,9 Nm					

Feed per tooth (fz) | d.o.c. (ap)

Carbide Grade Coating	Feed per tooth d.o.c.	steel	stainless steel	cast iron	non-ferrous materials	high-temperature alloys	hardened steel
HSC 05 PPTi	f _z (mm) a _p (mm)	0,05-0,2 0,5-2,8	0,05-0,12 0,5-2	0,05-0,15 0,5-2,5	0,05-0,3 0,3-2	0,05-0,12 0,5-2	0,05-0,17 0,5-2,5

Cutting speed (Vc in m/min)

Carbide Grade Coating	Application	steel	stainless steel	cast iron	non-ferrous materials	high-temperature alloys	hardened steel
HSC 05 PPTi	roughing semifinishing finishing	- ▽135 225 450	- ▽110 165 220	- ▽160 225 290	- ▽200 500 800	- ▽60 110 160	- ▽120 180 250

▽ finishing major application ▽ finishing minor application 📦 stock item ■ internal coolant supply 🔄 incorporated inserts 🛠 DuoPlug®

SLOTWORX® VF in field testing

Processing task in ST52, unalloyed constructional steel

Milling cutter:	VF09-025-E12-04
D _c :	25 mm
Cooling:	air outside
Indexable insert:	VF09-8035-R08-LH-2
V _c (speed):	400 m/min
n (revolutions):	5093 min ⁻¹
f _z (feed per tooth):	0,25 mm
V _f (feed rate):	5093 mm/min
a _p (depth of cut):	1 mm
a _e (width of cut):	1,5 mm



Processing task in 1.2312

Milling cutter:	VF09-025-E12-04
D _c :	25 mm
Cooling:	air outside
Indexable insert:	VF09-8035-R08-LH-2
V _c (speed):	400 m/min
n (revolutions):	6366 min ⁻¹
f _z (feed per tooth):	0,25 mm
V _f (feed rate):	4775 mm/min
a _p (depth of cut):	0,5 mm
a _e (width of cut):	0,3 mm



Accessories	Catalogue no.	Description				
Torx®-Screws						
	25 500	Torx®-Screw	M 2,5	L 5,0	T 7	0,9 Nm
Torx® wrench						
	07 500	Torx®-Wrench	T 7			
Torque screwdriver						
	TV 04-1	Torque screwdriver Vario®-S	from 0,4 Nm	to 1,0 Nm	with scale, inc. Setter	
Torx® interchangeable blades, standard						
	T7 500	Torx® interchangeable blade for Torque Vario®	T 7	L 175	max. 0,9 Nm	
Torx® interchangeable blades with retaining spring						
	T7 502	Torx® MagicSpring compatible bit f. Torque Vario®	T 7	L 175	max. 0,9 Nm	



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