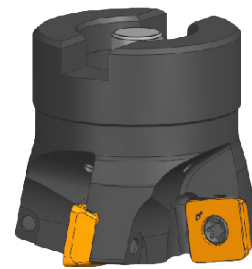
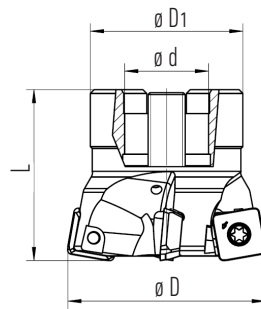


HFC mill F4160



SQUARE STANDARD

- excellent milling performance for stronger machines
- positive inserts with 4 edges
- for a wide range of milling operations
- optimized body with surface treatment
- internal cooling

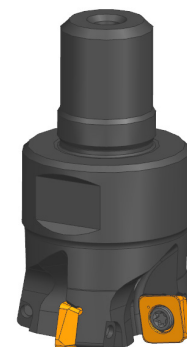
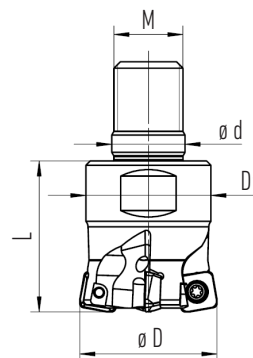


Arbor mounting



Order code	Dimensions (mm)					Ap max. (mm)	Insert	Insert screw	Key	Torque value (Nm)	Stock
	D	d	D ₁	L	z						
F4160.42.N16.40.1,5.Z4.C	42	16	32	40	4	1,5	SDKW 13M510 SDKT 13M520	PT009291	XT15	3,0	●
F4160.50.N22.45.1,5.Z4.C	50	22	40	45	4						●
F4160.52.N22.45.1,5.Z4.C	52	22	40	45	4						●
F4160.52.N22.45.1,5.Z5.C	52	22	40	45	5						●
F4160.63.N27.50.1,5.Z5.C	63	27	48	50	5						●
F4160.66.N27.50.1,5.Z5.C	66	27	48	50	5						●
F4160.80.N27.50.1,5.Z6.C	80	27	60	50	6						●
F4160.100.N32.50.1,5.Z8.C	100	32	70	50	8						●

● = stock item



Threaded coupling

Order code	Dimensions (mm)					Ap max. (mm)	Insert	Insert screw	Key	Torque value (Nm)	Stock
	D	d	M	L	z						
F4160.35.M16.35.1,5.Z3.C	35	17	M16	35	3	1,5	SDKW 13M510 SDKT 13M520	PT009291	XT15	3,0	●
F4160.42.M16.35.1,5.Z3.C	42	17	M16	35	3						●

● = stock item

HFC mill F4160



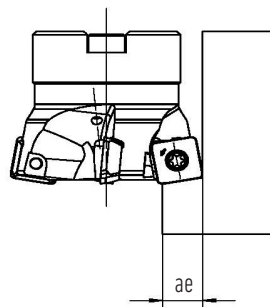
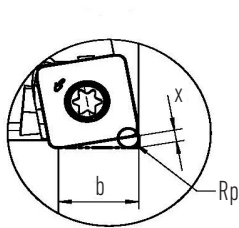
SQUARE STANDARD

Overview of suitable inserts

Order code	P	M	K	S
SDKW 13M510-JG P19	●		●	
SDKT 13M520-IK M19		●		●

● = stock item

Insert reference	Program			
	Rp	X	b	ae
SDKW	2,5	1,1	10,5	10
SDKT				



Insert reference
SDKW

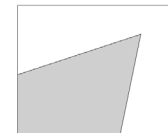
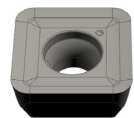
Blade shape



solid cutting edge for roughing steel, alloy steel and hardened steel

Insert reference
SDKT

Blade shape



low cutting force for medium machining of stainless steel and high-temperature alloys

Recommended cutting conditions

	HB	Coating		Sharper type		
		P19	M19	SDKW	SDKT	
		Cutting speed Vc (m/min.)		Feed fz (mm/t)		
P	Unalloyed steel	125 - 220	180 - 250	-	0,50 - 2,20	-
	Low-alloyed steel	220 - 280	160 - 230	-	0,50 - 2,20	-
	High-alloyed steel	280 - 380	140 - 220	-	0,50 - 2,10	-
M	SS - Ferritic / Martensitic	200 - 330	-	140 - 210	-	0,50 - 1,80
	SS - Austenitic	200 - 330	-	120 - 170	-	0,50 - 1,80
	SS - austenitic - ferritic (Duplex)	230 - 260	-	100 - 150	-	0,50 - 1,50
K	Grey cast iron	180 - 245	140 - 250	-	0,50 - 2,20	-
	Superalloys	130 - 230	160 - 270	-	0,50 - 2,20	-
S	Hard materials (+40 HRC)	200 - 320	120 - 210	-	0,50 - 2,20	-
				30 - 110	-	0,40 - 1,30

Cutting conditions ae/D=60%