

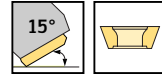
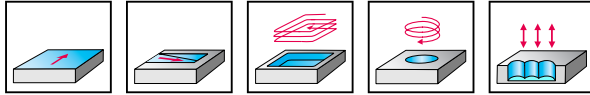
# High-feed face milling cutters

## M4002



C2

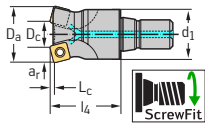
- 4 cutting edges per indexable insert



	P	M	K	N	S	H	0
M4002	●	●	●	●	●	●	●

### Tool

ScrewFit



Designation

 $D_c$   
mm

 $D_a$  \*  
mm

 $d_1$   
mm

 $l_4$   
mm

 $l_1$   
mm

 $L_c$   
mm

 $a_r$   
mm

Z

kg

 No. of  
inserts

Type

M4002-020-T18-02-01	8	20	T18	30		1	5.7	2	0.1	2	SDM . 06T2 ..
M4002-025-T22-02-01,5	8	25	T22	40		1.5	8.4	2	0.1	2	SDM . 09T3 ..
M4002-025-T22-03-01	13	25	T22	35		1	5.7	3	0.1	3	SDM . 06T2 ..
M4002-032-T28-03-01,5	15	32	T28	40		1.5	8.4	3	0.2	3	SDM . 09T3 ..
M4002-032-T28-04-01	20	32	T28	40		1	5.7	4	0.2	4	SDM . 06T2 ..
M4002-035-T28-03-01,5	18	35	T28	40		1.5	8.4	3	0.2	3	SDM . 09T3 ..
M4002-035-T28-03-01	23	35	T28	40		1	5.7	3	0.2	3	SDM . 06T2 ..
M4002-035-T28-04-01	23	35	T28	40		1	5.7	4	0.2	4	SDM . 06T2 ..
M4002-040-T36-04-01,5	23	40	T36	40		1.5	8.4	4	0.3	4	SDM . 09T3 ..
M4002-040-T36-05-01	28	40	T36	40		1	5.7	5	0.4	5	SDM . 06T2 ..
M4002-042-T36-03-01,5	25	42	T36	40		1.5	8.4	3	0.3	3	SDM . 09T3 ..
M4002-042-T36-04-01	30	42	T36	40		1	5.7	4	0.4	4	SDM . 06T2 ..
M4002-042-T36-05-01	30	42	T36	40		1	5.7	5	0.4	5	SDM . 06T2 ..
Cylindrical shank											
M4002-020-A20-02-01	8	20	20	30	200	1	5.7	2	0.5	2	
M4002-025-A25-03-01	13	25	25	35	200	1	5.7	3	0.8	3	SDM . 06T2 ..
M4002-032-A32-04-01	20	32	32	40	250	1	5.7	4	1.5	4	

\*Measured using SDM.06T204, SDM.09T308, SDM.120408  
Bodies and assembly parts are included in the scope of delivery

Assembly parts		SDM . 06T2 ..	SDM . 09T3 ..
	Type Clamping screw for indexable insert Torque	FS2084 (Torx 7IP) 0.9 Nm	FS2266 (Torx 10IP) 2.0 Nm

Accessories		SDM . 06T2 ..	SDM . 09T3 ..
	Type Torque screwdriver, analogue Torque	FS2001 0.4–1.2 Nm	FS2003 1.5–5.0 Nm
	Type Torque screwdriver, digital Torque		FS2248 1.0–6.0 Nm
	Type Interchangeable blade	FS2011 (Torx 7IP)	FS2268 (Torx 10IP)
	Type Screwdriver	FS2088 (Torx 7IP)	FS2267 (Torx 10IP)

C2

Designation	r in	b in	P			M			K				S			
			HC			HC			HC				HC			
			WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X
	SDMT06T2ZDR-D57	0.016	0.047	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMT09T3ZDR-D57	0.031	0.048	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMT06T204-D57	0.016		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMT06T204-F57	0.016		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMT06T212-F57	0.047		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMW06T204-A57	0.016		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMT09T308-D57	0.031		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMT09T308-F57	0.031		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMT09T320-F57	0.079		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	SDMW09T308-A57	0.031		☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉

For SD..120425 indexable inserts, the circumference of the body must be reworked.  
 $R_{(body)} = r_{(indexable\ insert)}$

HC = coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺  
Very good

☹  
Good

☹  
Moderate

●●  
Primary application

●  
Additional application

C 337

D 1

C 734

C 746

C 792

C 791

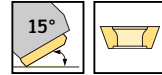
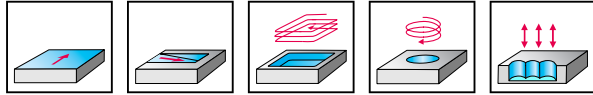
# High-feed face milling cutters

## M4002 mm



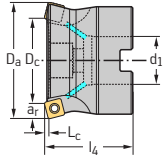
C2

– 4 cutting edges per indexable insert



	P	M	K	N	S	H	O
M4002	●	●	●	●	●	●	●

### Tool

 Shell mill mount  
 DIN 138 transverse keyway


Designation	Dc mm	Da * mm	d1 mm	l4 mm	l1 mm	Lc mm	ar mm	Z	kg	No. of inserts	Type
M4002-040-B16-05-01	28	40	16	40		1	5.7	5	0.2	5	SDM . 06T2 ..
M4002-042-B16-04-01,5	25	42	16	40		1.5	8.4	4	0.2	4	SDM . 09T3 ..
M4002-042-B16-04-01	30	42	16	40		1	5.7	4	0.2	4	SDM . 06T2 ..
M4002-042-B16-05-01	30	42	16	40		1	5.7	5	0.2	5	SDM . 06T2 ..
M4002-050-B22-04-02	27	50	22	40		2	11.4	4	0.3	4	SDM . 1204 ..
M4002-050-B22-05-02	27	50	22	40		2	11.4	5	0.3	5	SDM . 1204 ..
M4002-050-B22-05-01,5	33	50	22	40		1.5	8.4	5	0.3	5	SDM . 09T3 ..
M4002-050-B22-07-01	38	50	22	40		1	5.7	7	0.4	7	SDM . 06T2 ..
M4002-052-B22-03-02	29	52	22	40		2	11.4	3	0.4	3	SDM . 1204 ..
M4002-052-B22-04-02	29	52	22	40		2	11.4	4	0.3	4	SDM . 1204 ..
M4002-052-B22-05-02	29	52	22	40		2	11.4	5	0.4	5	SDM . 1204 ..
M4002-052-B22-04-01,5	35	52	22	40		1.5	8.4	4	0.4	4	SDM . 09T3 ..
M4002-052-B22-05-01,5	35	52	22	40		1.5	8.4	5	0.4	5	SDM . 09T3 ..
M4002-052-B22-06-01	40	52	22	40		1	5.7	6	0.4	6	SDM . 06T2 ..
M4002-052-B22-07-01	40	52	22	40		1	5.7	7	0.4	7	SDM . 06T2 ..
M4002-063-B22-05-02	40	63	22	40		2	11.4	5	0.6	5	SDM . 1204 ..
M4002-063-B22-06-02	40	63	22	40		2	11.4	6	0.5	6	SDM . 1204 ..
M4002-063-B22-06-01,5	46	63	22	50		1.5	8.4	6	0.8	6	SDM . 09T3 ..
M4002-063-B22-08-01	51	63	22	40		1	5.7	8	0.6	8	SDM . 06T2 ..
M4002-066-B27-04-02	43	66	27	50		2	11.4	4	0.8	4	SDM . 1204 ..
M4002-066-B27-05-02	43	66	27	50		2	11.4	5	0.8	5	SDM . 1204 ..
M4002-066-B27-06-02	43	66	27	50		2	11.4	6	0.8	6	SDM . 1204 ..
M4002-066-B27-05-01,5	49	66	27	50		1.5	8.4	5	0.8	5	SDM . 09T3 ..
M4002-066-B27-06-01,5	49	66	27	50		1.5	8.4	6	0.8	6	SDM . 09T3 ..
M4002-066-B27-07-01	54	66	27	50		1	5.7	7	0.9	7	SDM . 06T2 ..
M4002-066-B27-08-01	54	66	27	40		1	5.7	8	0.8	8	SDM . 06T2 ..
M4002-080-B27-06-02	57	80	27	50		2	11.4	6	1.3	6	SDM . 1204 ..
M4002-080-B27-08-02	57	80	27	50		2	11.4	8	1.3	8	SDM . 1204 ..
M4002-085-B27-05-02	62	85	27	50		2	11.4	5	1.5	5	SDM . 1204 ..
M4002-085-B27-06-02	62	85	27	50		2	11.4	6	1.4	6	SDM . 1204 ..
M4002-085-B27-08-02	62	85	27	50		2	11.4	8	1.5	8	SDM . 1204 ..
M4002-100-B32-07-02	77	100	32	60		2	11.4	7	2.6	7	SDM . 1204 ..
M4002-100-B32-09-02	77	100	32	60		2	11.4	9	2.6	9	SDM . 1204 ..
M4002-125-B40-08-02	102	125	40	60		2	11.4	8	3.0	8	SDM . 1204 ..

\*Measured using SDM.06T204, SDM.09T308, SDM.120408  
 Bodies and assembly parts are included in the scope of delivery

### Assembly parts

Type	SDM . 06T2 ..	SDM . 09T3 ..	SDM . 1204 ..
Clamping screw for indexable insert Torque	FS2084 (Torx 7IP) 0.9 Nm	FS2266 (Torx 10IP) 2.0 Nm	FS1453 (Torx 15IP) 3.5 Nm

### Accessories

Type	SDM . 06T2 ..	SDM . 09T3 ..	SDM . 1204 ..
Torque screwdriver, analogue Torque	FS2001 0.4–1.2 Nm	FS2003 1.5–5.0 Nm	FS2003 1.5–5.0 Nm
Torque screwdriver, digital Torque		FS2248 1.0–6.0 Nm	FS2248 1.0–6.0 Nm
Interchangeable blade	FS2011 (Torx 7IP)	FS2268 (Torx 10IP)	FS2014 (Torx 15IP)
Screwdriver	FS2088 (Torx 7IP)	FS2267 (Torx 10IP)	FS1485 (Torx 15IP)

C2

### Indexable inserts

Designation	r in	b in	P			M			K				S			
			HC			HC			HC				HC			
			WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X
SDMT06T2ZDR-D57	0.016	0.047	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT09T3ZDR-D57	0.031	0.048	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT1204ZDR-D57	0.031	0.071	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT06T204-D57	0.016		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT06T204-F57	0.016		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT06T212-F57	0.047		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMW06T204-A57	0.016		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT09T308-D57	0.031		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT09T308-F57	0.031		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT09T320-F57	0.079		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMW09T308-A57	0.031		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT120408-D57	0.031		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT120408-F57	0.031		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMT120425-F57	0.098		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞
SDMW120408-A57	0.031		☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞

For SD..120425 indexable inserts, the circumference of the body must be reworked.  
 $R_{(body)} = r_{(indexable\ insert)}$

HC = coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

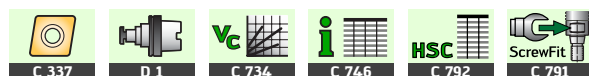
☺  
Very good

☹  
Good

☹  
Moderate

●●  
Primary application

●  
Additional application



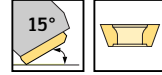
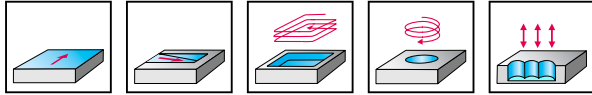
# High-feed face milling cutters

## M4002 inch



C2

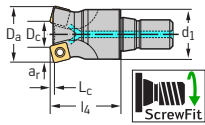
- 4 cutting edges per indexable insert
- 120° type chamfer milling cutters



	P	M	K	N	S	H	O
M4002	●	●	●	●	●	●	●

### Tool

#### ScrewFit

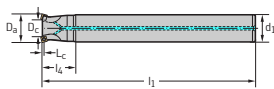


#### Designation

D <sub>c</sub> in	D <sub>a</sub> * in	d <sub>1</sub> in	l <sub>4</sub> in	l <sub>1</sub> in	L <sub>c</sub> in	a <sub>r</sub> in	Z	lbs	No. of inserts	Type
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M4002.019-T18-02-01	0.291	0.750	0.728	1.181		0.039	0.224	2	0.1	2	SDM . 06T2 ..
M4002.026-T22-02-01,5	0.339	1.000	0.866	1.575		0.059	0.331	2	0.0	2	SDM . 09T3 ..
M4002.026-T22-03-01	0.543	1.000	0.866	1.378		0.039	0.224	3	0.2	3	SDM . 06T2 ..
M4002.031-T28-03-01,5	0.593	1.250	1.102	1.575		0.059	0.331	3	0.4	3	SDM . 09T3 ..
M4002.031-T28-04-01	0.795	1.250	1.102	1.575		0.039	0.224	4	0.5	4	SDM . 06T2 ..
M4002.038-T36-04-01,5	0.843	1.500	1.417	1.575		0.059	0.331	4	0.6	4	SDM . 09T3 ..
M4002.038-T36-05-01	1.043	1.500	1.417	1.575		0.039	0.224	5	0.8	5	SDM . 06T2 ..

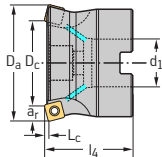
#### Cylindrical shank



M4002.019-A19-02-01	0.291	0.750	0.750	1.181	7.874	0.039	0.224	2	0.9	2	SDM . 06T2 ..
M4002.026-A26-03-01	0.543	1.000	1.000	1.378	7.874	0.039	0.224	3	1.7	3	
M4002.031-A31-04-01	0.795	1.250	1.250	1.575	9.843	0.039	0.224	4	3.2	4	

#### Shell mill mount

#### DIN 138 transverse keyway



M4002.038-B13-05-01	1.043	1.500	0.500	1.378		0.039	0.224	5	0.4	5	SDM . 06T2 ..
M4002.051-B19-04-02	1.094	2.000	0.750	1.575		0.079	0.449	4	0.8	4	SDM . 1204 ..
M4002.051-B19-05-01,5	1.337	2.000	0.750	1.575		0.059	0.331	5	0.8	5	SDM . 09T3 ..
M4002.051-B19-07-01	1.543	2.000	0.750	1.575		0.039	0.224	7	0.8	7	SDM . 06T2 ..
M4002.064-B19-05-02	1.594	2.500	0.750	1.969		0.079	0.449	5	1.3	5	SDM . 1204 ..
M4002.064-B19-06-01,5	1.843	2.500	0.750	1.969		0.059	0.331	6	1.8	6	SDM . 09T3 ..
M4002.064-B26-08-01	2.043	2.500	1.000	1.969		0.039	0.224	8	1.7	8	SDM . 06T2 ..
M4002.076-B26-06-02	2.094	3.000	1.000	1.969		0.079	0.449	6	2.6	6	SDM . 1204 ..
M4002.102-B38-07-02	3.094	4.000	1.500	2.480		0.079	0.449	7	5.8	7	

\*Measured using SDM.06T204, SDM.09T308, SDM.120408

Bodies and assembly parts are included in the scope of delivery

Assembly parts		SDM . 06T2 .. 0.291–0.795	SDM . 06T2 .. 1.043	SDM . 06T2 .. 1.543	SDM . 06T2 .. 2.043	SDM . 09T3 .. 0.339–0.843	SDM . 09T3 .. 1.337–1.843	SDM . 1204 .. 1.094–1.594	SDM . 1204 .. 2.094	SDM . 1204 .. 3.094
	Clamping screw for indexable insert Torque	FS2084 (Torx 7IP) 8 in lbs	FS2084 (Torx 7IP) 8 in lbs	FS2084 (Torx 7IP) 8 in lbs	FS2084 (Torx 7IP) 8 in lbs	FS2266 (Torx 10IP) 18 in lbs	FS2266 (Torx 10IP) 18 in lbs	FS1453 (Torx 15IP) 31 in lbs	FS1453 (Torx 15IP) 31 in lbs	FS1453 (Torx 15IP) 31 in lbs
	Clamping screw for arbor-mounted tools		FS1527	FS1523	FS1519		FS1523	FS1523	FS1519	FS1583

Accessories		SDM . 06T2 ..	SDM . 09T3 ..	SDM . 1204 ..
	Torque screwdriver, analogue Torque	FS2002 3.5–10.6 in lbs	FS2004 13.3–44 in lbs	FS2004 13.3–44 in lbs
	Torque screwdriver, digital Torque		FS2248 8.85–53.1 in lbs	FS2248 8.85–53.1 in lbs
	Interchangeable blade	FS2011 (Torx 7IP)	FS2268 (Torx 10IP)	FS2014 (Torx 15IP)
	Screwdriver	FS2088 (Torx 7IP)	FS2267 (Torx 10IP)	FS1485 (Torx 15IP)

### Indexable inserts

Designation	r in	b in	P				M			K				S		
			HC				HC			HC				HC		
			WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WK225S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X
SDMT06T2ZDR-D57	0.016	0.047	☒	☒	☒	☒										
SDMT09T3ZDR-D57	0.031	0.048	☒	☒	☒	☒										
SDMT1204ZDR-D57	0.031	0.071	☒	☒	☒	☒										
SDMT06T204-D57	0.016		☒	☒	☒	☒	☒									
SDMT06T204-F57	0.016		☒	☒	☒	☒	☒	☒								
SDMT06T212-F57	0.047		☒	☒	☒	☒	☒	☒								
SDMW06T204-A57	0.016		☒	☒												
SDMT09T308-D57	0.031		☒	☒	☒	☒		☒								
SDMT09T308-F57	0.031		☒	☒	☒	☒	☒									
SDMT09T320-F57	0.079		☒	☒	☒	☒										
SDMW09T308-A57	0.031		☒	☒												
SDMT120408-D57	0.031		☒	☒	☒	☒		☒								
SDMT120408-F57	0.031		☒	☒	☒	☒	☒									
SDMT120425-F57	0.098		☒	☒	☒	☒										
SDMW120408-A57	0.031		☒	☒												

For SD..120425 indexable inserts, the circumference of the body must be reworked.  
 $R_{(body)} = r_{(indexable\ insert)}$

HC = coated carbide

**WALTER SELECT**

Stability of machine, workpiece and clamping arrangement

Very good   
 Good   
 Moderate

●● Primary application  
 ● Additional application

C 337

D 1

C 734

C 746

C 792

ScrewFit  
C 791