


SE45



SE 45 STANDARD ENDMILLS


≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

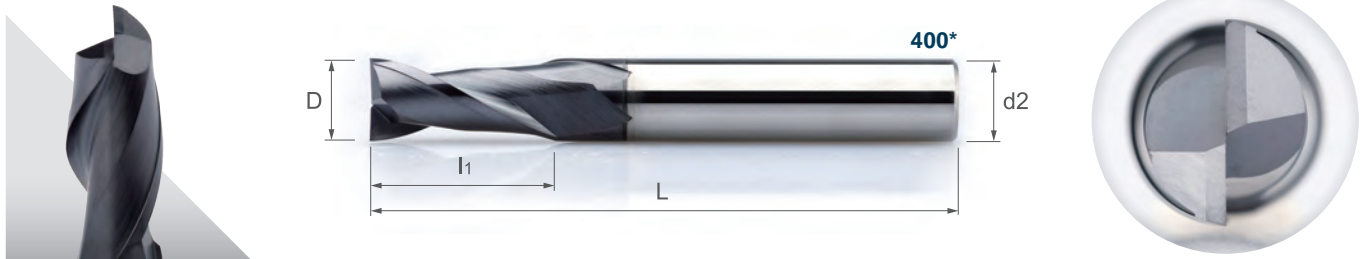
 Solid Carbide SE 45 Standard Endmills, 2 Flutes

 Fraises 2 tailles SE 45 Standard en carbure monobloc, 2 dents

 整体硬质合金 SE 45 系列 立铣刀 2 刃 - 标准长度

 VHM SE 45 Standard Fräser, 2 Zähne

 Frese standard SE 45 in metallo duro integrale, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)					848*	400*
	D	L1	L2	L	d2 (h6)	G6110	B0819
0100 040 03	1	3		40	3	●	●
0100 040 04	1	3		40	4	●	●
0150 040 03	1.5	4.5		40	3	●	●
0150 040 04	1.5	4.5		40	4	●	●
0200 040 03	2	6.5		40	3	●	●
0200 040 04	2	6.5		40	4	●	●
0250 040 03	2.5	6.5		40	3	●	●
0250 040 04	2.5	6.5		40	4	●	●
0300	3	9		40	3	●	●
0300 050 06	3	9		50	6	●	●
0400	4	12		50	4	●	●
0400 050 06	4	12		50	6	●	●
0500	5	15		50	5	●	●
0500 050 06	5	15		50	6	●	●
0600 050	6	16		50	6	●	●
0600 060	6	20		60	6	●	●
0800	8	20		64	8	●	●
1000 070	10	22		70	10	●	●
1000 075	10	22		75	10	●	●
1200	12	25		75	12	●	●
1400	14	32		90	14	●	●
1600	16	32		90	16	●	●
1800	18	38		100	18	●	●
2000	20	38		100	20	●	●
2200	22	40		100	22	●	●
2500	25	40		100	25	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter


576

234

MODIFICHE TECNICHE POSSIBILI SENZA PREAVVISO

SE 45 STANDARD ENDMILLS


≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

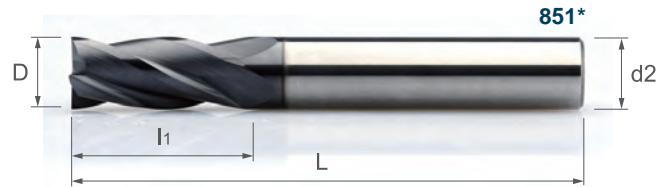
 Solid Carbide SE 45 Standard Endmills, 4 Flutes

 Fraises 2 tailles SE 45 Standard en carbure monobloc, 4 dents

 整体硬质合金 SE 45 系列 立铣刀 4 刃 - 标准长度

 VHM SE 45 Standard Fräser, 4 Zähne

 Frese standard SE 45 in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)					850*	851*
	D	L1	L2	L	d2 (h6)	G6110	B0819
0100 040 03	1	3		40	3	●	●
0100 040 04	1	3		40	4	●	●
0150 040 03	1.5	4.5		40	3	●	●
0150 040 04	1.5	4.5		40	4	●	●
0200 040 03	2	6.5		40	3	●	●
0200 040 04	2	6.5		40	4	●	●
0250 040 03	2.5	6.5		40	3	●	●
0250 040 04	2.5	6.5		40	4	●	●
0300	3	9		40	3	●	●
0300 050 06	3	9		50	6	●	●
0400	4	12		50	4	●	●
0400 050 06	4	12		50	6	●	●
0500	5	15		50	5	●	●
0500 050 06	5	15		50	6	●	●
0600 050	6	16		50	6	●	●
0600 060	6	20		60	6	●	●
0800	8	20		64	8	●	●
1000 070	10	22		70	10	●	●
1000 075	10	22		75	10	●	●
1200	12	25		75	12	●	●
1400	14	32		90	14	●	●
1600	16	32		90	16	●	●
1800	18	38		100	18	●	●
2000	20	38		100	20	●	●
2200	22	40		100	22	●	●
2500	25	40		100	25	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236

若有技术规格变更，恕不事先通知

SE 45 ENDMILLS - LONG

≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

 Solid Carbide SE 45 Endmills - Long 4 Flutes

 Fraises 2 tailles SE 45 longues en carbure monobloc, 4 dents

 整体硬质合金 SE 45 系列 立铣刀 4 刃 - 中长

 VHM SE 45 Fräser, lang, 4 Zähne

 Frese SE 45 lunghe in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					854*		855*	
	D	L1	L2	L	d2 (h6)	G6110	B0819		
0300	3	19		60	3	●	●		
0300 075 06	3	19		75	6	●	●		
0400	4	19		60	4	●	●		
0400 075 06	4	19		75	6	●	●		
0500	5	19		60	5	●	●		
0500 075 06	5	19		75	6	●	●		
0600	6	31		75	6	●	●		
0800	8	31		75	8	●	●		
1000 075	10	31		75	10	●	●		
1000 100	10	50		100	10	●	●		
1200	12	50		100	12	●	●		
1400	14	57		125	14	●	●		
1600	16	57		125	16	●	●		
1800	18	57		125	18	●	●		
2000	20	57		125	20	●	●		

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

238



SE 45 ENDMILLS - EXTRA-LONG

≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

Solid Carbide SE 45 Endmills - extra-long 4 Flutes

Fraises 2 tailles SE 45 extra-longues en carbure monobloc, 4 dents

整体硬质合金 SE 45 系列 立铣刀 4 刃 - 加长

VHM SE 45 Fräser, extra-lang, 4 Zähne

Frese SE 45 extra-lunghe in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					858*	859*
	D	l1	l2	L	d2 (h6)	G6110	B0819
0300	3	25		100	3	●	●
0300 100 06	3	25		100	6	●	●
0400	4	31		100	4	●	●
0400 100 06	4	31		100	6	●	●
0500	5	31		100	5	●	●
0500 100 06	5	31		100	6	●	●
0600	6	38		100	6	●	●
0800	8	41		100	8	●	●
1000	10	57		125	10	●	●
1200	12	75		150	12	●	●
1400	14	75		150	14	●	●
1600	16	75		150	16	●	●
1800	18	75		150	18	●	●
2000	20	75		150	20	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

240

SE 45 STANDARD ENDMILLS

≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

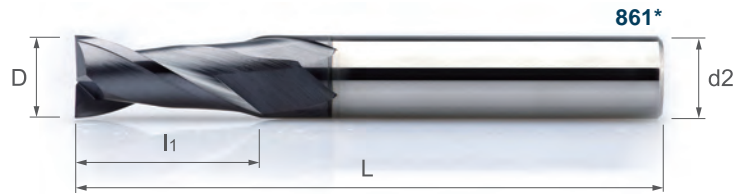
 Solid Carbide SE 45 Standard Endmills, 2 Flutes

 Fraises 2 tailles SE 45 Standard en carbure monobloc, 2 dents

 整体硬质合金 SE 45 系列 立铣刀 2 刃 - 标准长度

 VHM SE 45 Standard Fräser, 2 Zähne

 Frese standard SE 45 in metallo duro integrale, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)					860*	861*
	D	L1	L2	L	d2 (h6)	G6110	B0819
0100 040 03	1	3		40	3	●	●
0100 040 04	1	3		40	4	●	●
0150 040 03	1.5	4.5		40	3	●	●
0150 040 04	1.5	4.5		40	4	●	●
0200 040 03	2	6.5		40	3	●	●
0200 040 04	2	6.5		40	4	●	●
0250 040 03	2.5	6.5		40	3	●	●
0250 040 04	2.5	6.5		40	4	●	●
0300	3	9		40	3	●	●
0300 040 04	3	9		40	4	●	●
0300 050 06	3	9		50	6	●	●
0400	4	12		50	4	●	●
0400 050 06	4	12		50	6	●	●
0500	5	15		50	5	●	●
0500 050 06	5	15		50	6	●	●
0600 050	6	16		50	6	●	●
0600 060	6	20		60	6	●	●
0800	8	20		64	8	●	●
1000 070	10	22		70	10	●	●
1000 075	10	22		75	10	●	●
1200	12	25		75	12	●	●
1400	14	32		90	14	●	●
1600	16	32		90	16	●	●
1800	18	38		100	18	●	●
2000	20	38		100	20	●	●
2200	22	40		100	22	●	●
2500	25	40		100	25	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

234

SE 45 STANDARD ENDMILLS


≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

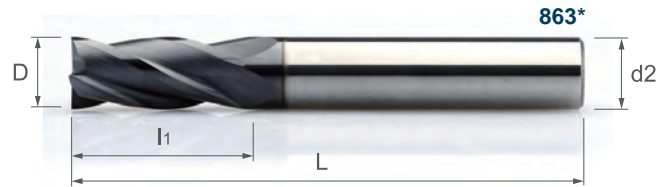
 Solid Carbide SE 45 Standard Endmills, 4 Flutes

 Fraises 2 tailles SE 45 Standard en carbure monobloc, 4 dents

 整体硬质合金 SE 45 系列 立铣刀 4 刃 - 标准长度

 VHM SE 45 Standard Fräser, 4 Zähne

 Frese standard SE 45 in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)					862*	863*
	D	L1	L2	L	d2 (h6)	G6110	B0819
0100 040 03	1	3		40	3	●	●
0100 040 04	1	3		40	4	●	●
0150 040 03	1.5	4.5		40	3	●	●
0150 040 04	1.5	4.5		40	4	●	●
0200 040 03	2	6.5		40	3	●	●
0200 040 04	2	6.5		40	4	●	●
0250 040 03	2.5	6.5		40	3	●	●
0250 040 04	2.5	6.5		40	4	●	●
0300	3	9		40	3	●	●
0300 040 04	3	9		40	4	●	●
0300 050 06	3	9		50	6	●	●
0400	4	12		50	4	●	●
0400 050 06	4	12		50	6	●	●
0500	5	15		50	5	●	●
0500 050 06	5	15		50	6	●	●
0600 050	6	16		50	6	●	●
0600 060	6	20		60	6	●	●
0800	8	20		64	8	●	●
1000 070	10	22		70	10	●	●
1000 075	10	22		75	10	●	●
1200	12	25		75	12	●	●
1400	14	32		90	14	●	●
1600	16	32		90	16	●	●
1800	18	38		100	18	●	●
2000	20	38		100	20	●	●
2200	22	40		100	22	●	●
2500	25	40		100	25	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236

MODIFICHE TECNICHE POSSIBILI SENZA PREAVVISO

SE 45 ENDMILLS - LONG

≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

United Kingdom Solid Carbide SE 45 Endmills - Long 4 Flutes

France Fraises 2 tailles SE 45 longues en carbure monobloc, 4 dents

China 整体硬质合金 SE 45 系列 立铣刀 4 刃 - 中长

Germany VHM SE 45 Fräser, lang, 4 Zähne

Italy Frese SE 45 lunghe in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					866*		867*	
	D	L1	L2	L	d2 (h6)	G6110	B0819	G6110	B0819
0300	3	19		60	3	●	●	●	●
0300 075 06	3	19		75	6	●	●	●	●
0400	4	19		60	4	●	●	●	●
0400 075 06	4	19		75	6	●	●	●	●
0500	5	19		60	5	●	●	●	●
0500 075 06	5	19		75	6	●	●	●	●
0600	6	31		75	6	●	●	●	●
0800	8	31		75	8	●	●	●	●
1000 075	10	31		75	10	●	●	●	●
1000 100	10	50		100	10	●	●	●	●
1200	12	50		100	12	●	●	●	●
1400	14	57		125	14	●	●	●	●
1600	16	57		125	16	●	●	●	●
1800	18	57		125	18	●	●	●	●
2000	20	57		125	20	●	●	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

238

若有技术规格变更，恕不事先通知



SE 45 ENDMILLS - EXTRA-LONG

≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

Solid Carbide SE 45 Endmills - extra-long 4 Flutes

Fraises 2 tailles SE 45 extra-longues en carbure monobloc, 4 dents

整体硬质合金 SE 45 系列 立铣刀 4 刃 - 加长

VHM SE 45 Fräser, extra-lang, 4 Zähne

Frese SE 45 extra-lunghe in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					870*	871*
	D	L1	L2	L	d2 (h6)	G6110	B0819
0300	3	25		100	3	●	●
0300 100 06	3	25		100	6	●	●
0400	4	31		100	4	●	●
0400 100 06	4	31		100	6	●	●
0500	5	31		100	5	●	●
0500 100 06	5	31		100	6	●	●
0600	6	38		100	6	●	●
0800	8	41		100	8	●	●
1000	10	57		125	10	●	●
1200	12	75		150	12	●	●
1400	14	75		150	14	●	●
1600	16	75		150	16	●	●
1800	18	75		150	18	●	●
2000	20	75		150	20	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

240



SE 45R STANDARD TORUS ENDMILLS

≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

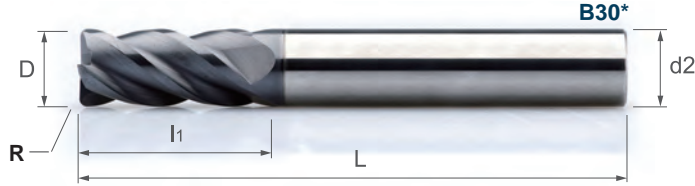
Solid Carbide SE 45R Standard Torus Endmills, 4 flutes

Fraises 2 tailles SE 45R toriques Standard en carbure monobloc, 4 dents

整体硬质合金 SE 45R 系列 圆鼻 立铣刀 4 刃 - 标准长度

VHM SE 45R Standard Torusfräser, 4 Zähne

Frese SE 45R toroidali Standard, in metallo duro integrale, 4 taglienti



VHM	R±0.010	3°	λ=40°	HPT	HPT	DIN 6535 HA HB HE

EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						B59*	B30*
	D	I1	I2	L	d2 (h6)	R	G6110	B0819
0100 040 0400 020	1	3		40	4	0.2	●	●
0100 050 0600 020	1	3		50	6	0.2	●	●
0150 040 0400 020	1.5	4.5		40	4	0.2	●	●
0150 050 0600 020	1.5	4.5		50	6	0.2	●	●
0200 040 0400 020	2	6.5		40	4	0.2	○	○
0200 040 0400 030	2	6.5		40	4	0.3	●	●
0200 050 0600 020	2	6.5		50	6	0.2	○	○
0200 050 0600 030	2	6.5		50	6	0.3	●	●
0250 040 0400 020	2.5	6.5		40	4	0.2	○	○
0250 040 0400 030	2.5	6.5		40	4	0.3	●	●
0250 040 0400 050	2.5	6.5		40	4	0.5	●	●
0250 050 0600 020	2.5	6.5		50	6	0.2	○	○
0250 050 0600 030	2.5	6.5		50	6	0.3	●	●
0250 050 0600 050	2.5	6.5		50	6	0.5	●	●
0300 040 0300 020	3	9		40	3	0.2	○	○
0300 040 0300 030	3	9		40	3	0.3	●	●
0300 040 0300 050	3	9		40	3	0.5	●	●
0300 040 0400 020	3	9		40	4	0.2	○	○
0300 040 0400 030	3	9		40	4	0.3	●	●
0300 040 0400 050	3	9		40	4	0.5	●	●
0300 050 0600 020	3	9		50	6	0.2	○	○
0300 050 0600 030	3	9		50	6	0.3	●	●
0300 050 0600 050	3	9		50	6	0.5	●	●
0400 050 0400 020	4	12		50	4	0.2	○	○
0400 050 0400 030	4	12		50	4	0.3	●	●
0400 050 0400 050	4	12		50	4	0.5	●	●
0400 050 0400 100	4	12		50	4	1	●	●
0400 050 0600 020	4	12		50	6	0.2	○	○
0400 050 0600 030	4	12		50	6	0.3	●	●
0400 050 0600 050	4	12		50	6	0.5	●	●
0400 050 0600 100	4	12		50	6	1	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236

SE 45R STANDARD TORUS ENDMILLS

≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

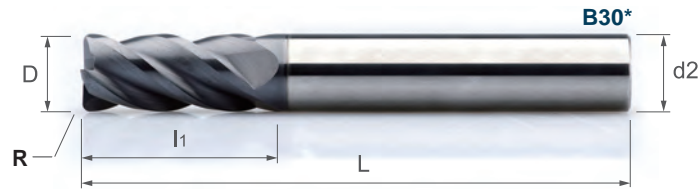
United Kingdom Solid Carbide SE 45R Standard Torus Endmills, 4 flutes

France Fraises 2 tailles SE 45R toriques Standard en carbure monobloc, 4 dents

China 整体硬质合金 SE 45R 系列 圆鼻 立铣刀 4 刃 - 标准长度

Germany VHM SE 45R Standard Torusfräser, 4 Zähne

Italy Frese SE 45R toroidali Standard, in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)						B59*	B30*
	D	I1	I2	L	d2 (h6)	R	G6110	B0819
0500 050 0500 020	5	15		50	5	0.2	○	○
0500 050 0500 030	5	15		50	5	0.3	●	●
0500 050 0500 050	5	15		50	5	0.5	●	●
0500 050 0500 100	5	15		50	5	1	●	●
0500 050 0600 020	5	15		50	6	0.2	○	○
0500 050 0600 030	5	15		50	6	0.3	●	●
0500 050 0600 050	5	15		50	6	0.5	●	●
0500 050 0600 100	5	15		50	6	1	●	●
0600 050 0600 020	6	16		50	6	0.2	○	○
0600 050 0600 030	6	16		50	6	0.3	●	●
0600 050 0600 050	6	16		50	6	0.5	●	●
0600 050 0600 100	6	16		50	6	1	●	●
0600 060 0600 020	6	20		60	6	0.2	○	○
0600 060 0600 030	6	20		60	6	0.3	●	●
0600 060 0600 050	6	20		60	6	0.5	●	●
0600 060 0600 100	6	20		60	6	1	●	●
0800 064 0800 020	8	20		64	8	0.2	○	○
0800 064 0800 030	8	20		64	8	0.3	●	●
0800 064 0800 050	8	20		64	8	0.5	●	●
0800 064 0800 100	8	20		64	8	1	●	●
0800 064 0800 150	8	20		64	8	1.5	●	●
0800 064 0800 200	8	20		64	8	2	●	●
1000 070 1000 030	10	22		70	10	0.3	●	●
1000 070 1000 050	10	22		70	10	0.5	●	●
1000 070 1000 100	10	22		70	10	1	●	●
1000 070 1000 150	10	22		70	10	1.5	●	●
1000 070 1000 200	10	22		70	10	2	●	●
1000 075 1000 030	10	22		75	10	0.3	●	●
1000 075 1000 050	10	22		75	10	0.5	●	●
1000 075 1000 100	10	22		75	10	1	●	●
1000 075 1000 150	10	22		75	10	1.5	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236

SE 45R STANDARD TORUS ENDMILLS


≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

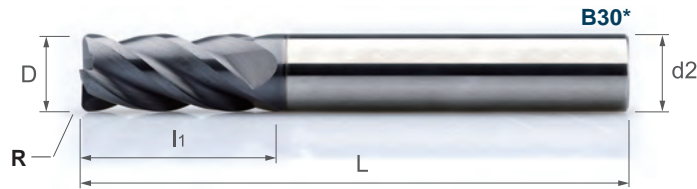
 Solid Carbide SE 45R Standard Torus Endmills, 4 flutes

 Fraises 2 tailles SE 45R toriques Standard en carbure monobloc, 4 dents

 整体硬质合金 SE 45R 系列 圆鼻 立铣刀 4 刃 - 标准长度

 VHM SE 45R Standard Torusfräser, 4 Zähne

 Frese SE 45R toroidali Standard, in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						B59*	B30*
	D	L1	L2	L	d2 (h6)	R	G6110	B0819
1000 075 1000 200	10	22		75	10	2	●	●
1200 075 1200 030	12	25		75	12	0.3	●	●
1200 075 1200 050	12	25		75	12	0.5	●	●
1200 075 1200 100	12	25		75	12	1	●	●
1200 075 1200 150	12	25		75	12	1.5	●	●
1200 075 1200 200	12	25		75	12	2	●	●
1200 075 1200 300	12	25		75	12	3	●	●
1400 090 1400 050	14	32		90	14	0.5	●	●
1400 090 1400 100	14	32		90	14	1	●	●
1400 090 1400 150	14	32		90	14	1.5	●	●
1400 090 1400 200	14	32		90	14	2	●	●
1400 090 1400 300	14	32		90	14	3	●	●
1600 090 1600 050	16	32		90	16	0.5	●	●
1600 090 1600 100	16	32		90	16	1	●	●
1600 090 1600 150	16	32		90	16	1.5	●	●
1600 090 1600 200	16	32		90	16	2	●	●
1600 090 1600 300	16	32		90	16	3	●	●
1800 100 1800 050	18	38		100	18	0.5	○	○
1800 100 1800 100	18	38		100	18	1	○	○
1800 100 1800 150	18	38		100	18	1.5	○	○
1800 100 1800 200	18	38		100	18	2	○	○
1800 100 1800 300	18	38		100	18	3	○	○
2000 100 2000 050	20	38		100	20	0.5	●	●
2000 100 2000 100	20	38		100	20	1	●	●
2000 100 2000 150	20	38		100	20	1.5	●	●
2000 100 2000 200	20	38		100	20	2	●	●
2000 100 2000 300	20	38		100	20	3	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236

MODIFICHE TECNICHE POSSIBILI SENZA PREAVVISO

SE 45 MINIATURE ENDMILLS

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

UK Solid Carbide SE 45 Miniature Endmills, 2 Flutes

FR Micro-Fraises 2 tailles SE 45 en carbure monobloc, 2 dents

CN 整体硬质合金 SE 45 系列 微型 立铣刀 2 刃

DE VHM SE 45 Kleinstfräser, 2 Zähne

IT Micro-frese SE 45 in metallo duro integrale, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)						799*	883*	A01*
	D	l1	l2	L	d2 (h6)	G6110	B0819	B0909	
0010 03	0.1	0.2		40	3	●	●	●	
0010 04	0.1	0.2		40	4	●	●	●	
0020 03	0.2	0.4		40	3	●	●	●	
0020 04	0.2	0.4		40	4	●	●	●	
0030 03	0.3	0.6		40	3	●	●	●	
0030 04	0.3	0.6		40	4	●	●	●	
0040 03	0.4	0.8		40	3	●	●	●	
0040 04	0.4	0.8		40	4	●	●	●	
0050 03	0.5	1.0		40	3	●	●	●	
0050 04	0.5	1.0		40	4	●	●	●	
0060 03	0.6	1.2		40	3	●	●	●	
0060 04	0.6	1.2		40	4	●	●	●	
0070 03	0.7	1.4		40	3	●	●	●	
0070 04	0.7	1.4		40	4	●	●	●	
0080 03	0.8	1.6		40	3	●	●	●	
0080 04	0.8	1.6		40	4	●	●	●	
0090 03	0.9	1.8		40	3	●	●	●	
0090 04	0.9	1.8		40	4	●	●	●	
0100 03	1.0	2		40	3	●	●	●	
0110 03	1.1	2.2		40	3	●	●	●	
0120 03	1.2	2.4		40	3	●	●	●	
0130 03	1.3	2.6		40	3	●	●	●	
0140 03	1.4	2.8		40	3	●	●	●	
0150 03	1.5	3		40	3	●	●	●	
0160 03	1.6	3.2		40	3	●	●	●	
0170 03	1.7	3.4		40	3	●	●	●	
0180 03	1.8	3.6		40	3	●	●	●	
0190 03	1.9	3.8		40	3	●	●	●	
0200 03	2.0	4		40	3	●	●	●	

D mm	Tol. μm
0.1 ~ 0.7	0 / -12
0.7 ~ 4.0	0 / -20

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

若有技术规格变更, 恕不事先通知

SE 45 MINIATURE ENDMILLS - with Long Neck

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

United Kingdom Solid Carbide SE 45 Miniature Endmills with long neck, 2 flutes

France Micro-fraises SE 45 2 tailles en carbure monobloc avec cou long, 2 dents

China 整体硬质合金 SE 45 系列 长颈短刃 立铣刀 2 刃

Germany VHM SE 45 Kleinfräser mit langem Hals, 2 Zähne

Italy Micro-fresa SE 45 in metallo duro integrale con collo lungo, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)						162*	884*	A02*
	D	l1	l2	L	d2 (h6)	G6110	B0819	B0909	
0020 050 0300 010	0.2	0.3	1	50	3	●	●	●	
0020 050 0300 015	0.2	0.3	1.5	50	3	●	●	●	
0030 050 0300 010	0.3	0.4	1	50	3	●	●	●	
0030 050 0300 020	0.3	0.4	2	50	3	●	●	●	
0030 050 0300 030	0.3	0.4	3	50	3	●	●	●	
0040 050 0300 020	0.4	0.6	2	50	3	●	●	●	
0040 050 0300 030	0.4	0.6	3	50	3	●	●	●	
0040 050 0300 040	0.4	0.6	4	50	3	●	●	●	
0040 050 0300 050	0.4	0.6	5	50	3	●	●	●	
0050 050 0300 020	0.5	1	2	50	3	●	●	●	
0050 050 0300 040	0.5	1	4	50	3	●	●	●	
0050 050 0300 060	0.5	1	6	50	3	●	●	●	
0060 050 0300 020	0.6	1	2	50	3	●	●	●	
0060 050 0300 040	0.6	1	4	50	3	●	●	●	
0060 050 0300 060	0.6	1	6	50	3	●	●	●	
0070 050 0400 040	0.7	1.4	4	50	4	●	●	●	
0070 050 0400 060	0.7	1.4	6	50	4	●	●	●	
0080 050 0400 040	0.8	1.5	4	50	4	●	●	●	
0080 050 0400 060	0.8	1.5	6	50	4	●	●	●	
0080 050 0400 080	0.8	1.5	8	50	4	●	●	●	
0090 050 0400 060	0.9	1.8	6	50	4	●	●	●	
0090 050 0400 080	0.9	1.8	8	50	4	●	●	●	
0090 050 0400 100	0.9	1.8	10	50	4	●	●	●	
0100 060 0400 050	1	1.5	5	60	4	●	●	●	
0100 060 0400 100	1	1.5	10	60	4	●	●	●	
0150 060 0400 075	1.5	1.5	7.5	60	4	●	●	●	
0150 060 0400 150	1.5	1.5	15	60	4	●	●	●	
0200 060 0400 100	2	2	10	60	4	●	●	●	
0200 060 0400 150	2	2	15	60	4	●	●	●	
0200 060 0400 200	2	2	20	60	4	●	●	●	
0250 060 0400 125	2.5	2.5	12.5	60	4	●	●	●	

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

SE 45 MINIATURE ENDMILLS - with Long Neck

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

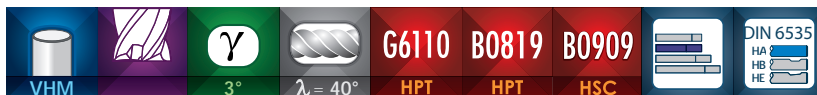
United Kingdom Solid Carbide SE 45 Miniature Endmills with long neck, 2 flutes

France Micro-fraises SE 45 2 tailles en carbure monobloc avec cou long, 2 dents

China 整体硬质合金 SE 45 系列 长颈短刃 立铣刀 2 刃

Germany VHM SE 45 Kleinstfräser mit langem Hals, 2 Zähne

Italy Micro-fresa SE 45 in metallo duro integrale con collo lungo, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						162*	884*	A02*
	D	l1	l2	L	d2 (h6)	G6110	B0819	B0909	
0250 060 0400 185	2.5	2.5	18.5	60	4	●	●	●	
0250 060 0400 250	2.5	2.5	25	60	4	●	●	●	
0300 075 0600 150	3.0	3.0	15	75	6	●	●	●	
0300 075 0600 200	3.0	3.0	20	75	6	●	●	●	
0300 075 0600 300	3.0	3.0	30	75	6	●	●	●	
0400 075 0600 200	4.0	4.0	20	75	6	●	●	●	
0400 075 0600 300	4.0	4.0	30	75	6	●	●	●	
0400 075 0600 400	4.0	4.0	40	75	6	●	●	●	

D mm	Tol. µm
0.1 ~ 0.7	0 / -12
0.7 ~ 4.0	0 / -20

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

SE 45 MINIATURE ENDMILLS - with Long Neck

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

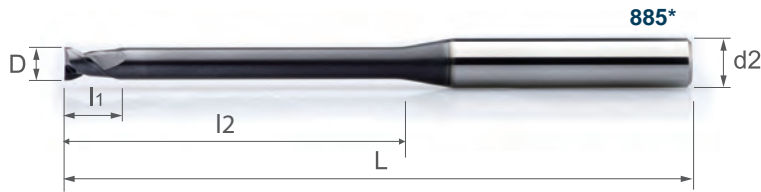
 Solid Carbide SE 45 Miniature Endmills with long neck, 2 flutes

 Micro-fraises SE 45 2 tailles en carbure monobloc avec cou long, 2 dents

 整体硬质合金 SE 45 系列 长颈短刃 立铣刀 2 刃

 VHM SE 45 Kleinstfräser mit langem Hals, 2 Zähne

 Micro-frese SE 45 in metallo duro integrale con collo lungo, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)						724*	885*	A03*
	D	l1	l2	L	d1	d2 (h6)	G6110	B0819	B0909
0020 050 0400 005	0.2	0.3	0.5	50	0.16	4	●	●	●
0020 050 0400 010	0.2	0.3	1	50	0.16	4	●	●	●
0020 050 0400 015	0.2	0.3	1.5	50	0.16	4	●	●	●
0030 050 0400 010	0.3	0.4	1	50	0.26	4	●	●	●
0030 050 0400 020	0.3	0.4	2	50	0.26	4	●	●	●
0030 050 0400 030	0.3	0.4	3	50	0.26	4	●	●	●
0040 050 0400 020	0.4	0.6	2	50	0.37	4	●	●	●
0040 050 0400 030	0.4	0.6	3	50	0.37	4	●	●	●
0040 050 0400 040	0.4	0.6	4	50	0.37	4	●	●	●
0040 050 0400 050	0.4	0.6	5	50	0.37	4	●	●	●
0050 050 0400 020	0.5	0.7	2	50	0.45	4	●	●	●
0050 050 0400 040	0.5	0.7	4	50	0.45	4	●	●	●
0050 050 0400 060	0.5	0.7	6	50	0.45	4	●	●	●
0050 050 0400 080	0.5	0.7	8	50	0.45	4	●	●	●
0060 050 0400 020	0.6	0.9	2	50	0.55	4	●	●	●
0060 050 0400 040	0.6	0.9	4	50	0.55	4	●	●	●
0060 050 0400 060	0.6	0.9	6	50	0.55	4	●	●	●
0060 050 0400 080	0.6	0.9	8	50	0.55	4	●	●	●
0060 050 0400 100	0.6	0.9	10	50	0.55	4	●	●	●
0070 050 0400 020	0.7	1.0	2	50	0.65	4	●	●	●
0070 050 0400 040	0.7	1.0	4	50	0.65	4	●	●	●
0070 050 0400 060	0.7	1.0	6	50	0.65	4	●	●	●
0070 050 0400 080	0.7	1.0	8	50	0.65	4	●	●	●
0070 050 0400 100	0.7	1.0	10	50	0.65	4	●	●	●
0080 050 0400 040	0.8	1.2	4	50	0.75	4	●	●	●
0080 050 0400 060	0.8	1.2	6	50	0.75	4	●	●	●
0080 050 0400 080	0.8	1.2	8	50	0.75	4	●	●	●
0080 050 0400 100	0.8	1.2	10	50	0.75	4	●	●	●
0080 050 0400 120	0.8	1.2	12	50	0.75	4	●	●	●
0090 050 0400 060	0.9	1.4	6	50	0.85	4	●	●	●
0090 050 0400 080	0.9	1.4	8	50	0.85	4	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

SE 45 MINIATURE ENDMILLS - with Long Neck

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

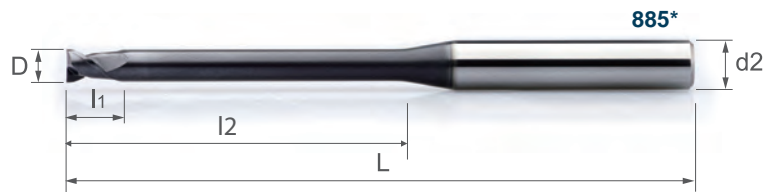
UK Solid Carbide SE 45 Miniature Endmills with long neck, 2 flutes

FR Micro-fraises SE 45 2 tailles en carbure monobloc avec cou long, 2 dents

CN 整体硬质合金 SE 45 系列 长颈短刃 立铣刀 2 刃

DE VHM SE 45 Kleinstfräser mit langem Hals, 2 Zähne

IT Micro-fresa SE 45 in metallo duro integrale con collo lungo, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						724*	885*	A03*
	D	l1	l2	L	d1	d2 (h6)	G6110	B0819	B0909
0090 050 0400 100	0.9	1.4	10	50	0.85	4	●	●	●
0090 050 0400 150	0.9	1.4	15	50	0.85	4	●	●	●
0100 050 0400 060	1.0	1.5	6	50	0.95	4	●	●	●
0100 050 0400 080	1.0	1.5	8	50	0.95	4	●	●	●
0100 050 0400 100	1.0	1.5	10	50	0.95	4	●	●	●
0100 050 0400 120	1.0	1.5	12	50	0.95	4	●	●	●
0100 050 0400 140	1.0	1.5	14	50	0.95	4	●	●	●
0100 050 0400 160	1.0	1.5	16	50	0.95	4	●	●	●
0120 050 0400 060	1.2	1.8	6	50	1.15	4	●	●	●
0120 050 0400 080	1.2	1.8	8	50	1.15	4	●	●	●
0120 050 0400 100	1.2	1.8	10	50	1.15	4	●	●	●
0120 050 0400 120	1.2	1.8	12	50	1.15	4	●	●	●
0140 050 0400 060	1.4	2.1	6	50	1.35	4	●	●	●
0140 050 0400 080	1.4	2.1	8	50	1.35	4	●	●	●
0140 050 0400 100	1.4	2.1	10	50	1.35	4	●	●	●
0140 050 0400 120	1.4	2.1	12	50	1.35	4	●	●	●
0140 050 0400 140	1.4	2.1	14	50	1.35	4	●	●	●
0140 050 0400 160	1.4	2.1	16	50	1.35	4	●	●	●
0150 050 0400 060	1.5	2.3	6	50	1.45	4	●	●	●
0150 050 0400 080	1.5	2.3	8	50	1.45	4	●	●	●
0150 050 0400 100	1.5	2.3	10	50	1.45	4	●	●	●
0150 050 0400 120	1.5	2.3	12	50	1.45	4	●	●	●
0150 050 0400 140	1.5	2.3	14	50	1.45	4	●	●	●
0150 050 0400 160	1.5	2.3	16	50	1.45	4	●	●	●
0150 060 0400 180	1.5	2.3	18	60	1.45	4	●	●	●
0150 060 0400 200	1.5	2.3	20	60	1.45	4	●	●	●
0160 050 0400 060	1.6	2.4	6	50	1.55	4	●	●	●
0160 050 0400 080	1.6	2.4	8	50	1.55	4	●	●	●
0160 050 0400 100	1.6	2.4	10	50	1.55	4	●	●	●
0160 050 0400 120	1.6	2.4	12	50	1.55	4	●	●	●
0160 050 0400 140	1.6	2.4	14	50	1.55	4	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

MODIFICHE TECNICHE POSSIBILI SENZA PREAVVISO

SE 45 MINIATURE ENDMILLS - with Long Neck

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

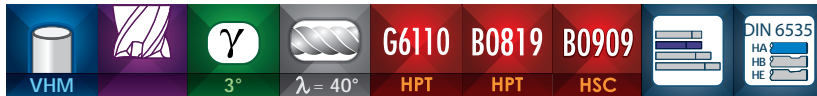
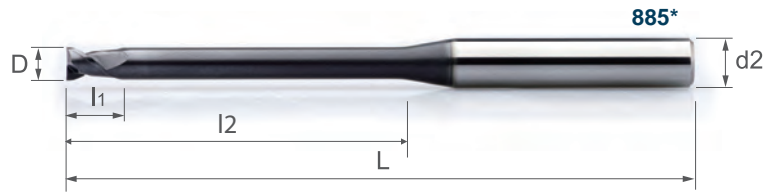
United Kingdom Solid Carbide SE 45 Miniature Endmills with long neck, 2 flutes

France Micro-fraises SE 45 2 tailles en carbure monobloc avec cou long, 2 dents

China 整体硬质合金 SE 45 系列 长颈短刃 立铣刀 2 刃

Germany VHM SE 45 Kleinstfräser mit langem Hals, 2 Zähne

Italy Micro-fresa SE 45 in metallo duro integrale con collo lungo, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						724*	885*	A03*
	D	l1	l2	L	d1	d2 (h6)	G6110	B0819	B0909
0160 050 0400 160	1.6	2.4	16	50	1.55	4	●	●	●
0160 060 0400 180	1.6	2.4	18	60	1.55	4	●	●	●
0160 060 0400 200	1.6	2.4	20	60	1.55	4	●	●	●
0180 050 0400 060	1.8	2.7	6	50	1.75	4	●	●	●
0180 050 0400 080	1.8	2.7	8	50	1.75	4	●	●	●
0180 050 0400 100	1.8	2.7	10	50	1.75	4	●	●	●
0180 050 0400 120	1.8	2.7	12	50	1.75	4	●	●	●
0180 050 0400 140	1.8	2.7	14	50	1.75	4	●	●	●
0180 050 0400 160	1.8	2.7	16	50	1.75	4	●	●	●
0180 060 0400 180	1.8	2.7	18	60	1.75	4	●	●	●
0180 060 0400 200	1.8	2.7	20	60	1.75	4	●	●	●
0200 050 0400 060	2	3	6	50	1.95	4	●	●	●
0200 050 0400 080	2	3	8	50	1.95	4	●	●	●
0200 050 0400 100	2	3	10	50	1.95	4	●	●	●
0200 050 0400 120	2	3	12	50	1.95	4	●	●	●
0200 050 0400 140	2	3	14	50	1.95	4	●	●	●
0200 050 0400 160	2	3	16	50	1.95	4	●	●	●
0200 060 0400 180	2	3	18	60	1.95	4	●	●	●
0200 060 0400 200	2	3	20	60	1.95	4	●	●	●
0200 075 0400 250	2	3	25	75	1.95	4	●	●	●
0200 075 0400 300	2	3	30	75	1.95	4	●	●	●
0250 050 0400 080	2.5	3.7	8	50	2.4	4	●	●	●
0250 050 0400 100	2.5	3.7	10	50	2.4	4	●	●	●
0250 050 0400 120	2.5	3.7	12	50	2.4	4	●	●	●
0250 050 0400 140	2.5	3.7	14	50	2.4	4	●	●	●
0250 050 0400 160	2.5	3.7	16	50	2.4	4	●	●	●
0250 060 0400 180	2.5	3.7	18	60	2.4	4	●	●	●
0250 060 0400 200	2.5	3.7	20	60	2.4	4	●	●	●
0250 060 0400 250	2.5	3.7	25	60	2.4	4	●	●	●
0250 075 0400 300	2.5	3.7	30	75	2.4	4	●	●	●
0300 050 0600 080	3	4.5	8	50	2.85	6	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

若有技术规格变更, 恕不事先通知

SE 45 MINIATURE ENDMILLS - with Long Neck


≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

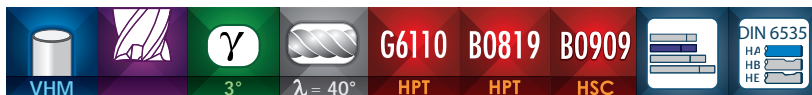
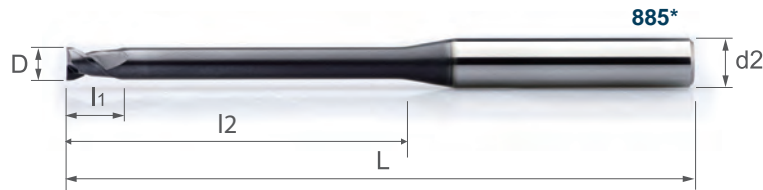
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 整体硬质合金 SE 45 系列 长颈短刃 立铣刀 2 刃

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EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)						724*	885*	A03*
	D	l1	l2	L	d1	d2 (h6)	G6110	B0819	B0909
0300 050 0600 100	3	4.5	10	50	2.85	6	●	●	●
0300 050 0600 120	3	4.5	12	50	2.85	6	●	●	●
0300 050 0600 140	3	4.5	14	50	2.85	6	●	●	●
0300 060 0600 160	3	4.5	16	60	2.85	6	●	●	●
0300 060 0600 180	3	4.5	18	60	2.85	6	●	●	●
0300 060 0600 200	3	4.5	20	60	2.85	6	●	●	●
0300 075 0600 250	3	4.5	25	75	2.85	6	●	●	●
0400 060 0600 100	4	4.5	10	60	3.85	6	●	●	●
0400 060 0600 150	4	4.5	15	60	3.85	6	●	●	●
0400 060 0600 200	4	4.5	20	60	3.85	6	●	●	●
0400 075 0600 250	4	4.5	25	75	3.85	6	●	●	●
0400 075 0600 300	4	4.5	30	75	3.85	6	●	●	●
0400 075 0600 400	4	4.5	40	75	3.85	6	●	●	●

D mm	Tol. μm
0.1 ~ 0.7	0 / -12
0.7 ~ 4.0	0 / -20

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
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Working Material | Cutting Parameter

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≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

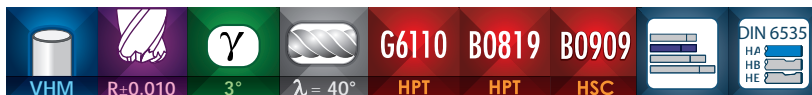
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China 整体硬质合金 SE 45R 系列 长颈短刃 立铣刀 2 刃

Germany VHM SE 45R Torus-Kleinstfräser mit langem Hals, 2 Zähne

Italy Micro-frese SE 45R toroidali in metallo duro integrale con collo lungo, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)							787*	B66*	A79*
	D	l1	l2	L	d1	d2 (h6)	R	G6110	B0819	B0909
0020 050 0400 005	0.2	0.3	0.5	50	0.16	4	0.02	●	●	●
0020 050 0400 010	0.2	0.3	1	50	0.16	4	0.02	●	●	●
0020 050 0400 015	0.2	0.3	1.5	50	0.16	4	0.02	●	●	●
0030 050 0400 010	0.3	0.4	1	50	0.26	4	0.03	●	●	●
0030 050 0400 020	0.3	0.4	2	50	0.26	4	0.03	●	●	●
0030 050 0400 030	0.3	0.4	3	50	0.26	4	0.03	●	●	●
0040 050 0400 020	0.4	0.6	2	50	0.37	4	0.03	●	●	●
0040 050 0400 030	0.4	0.6	3	50	0.37	4	0.03	●	●	●
0040 050 0400 040	0.4	0.6	4	50	0.37	4	0.03	●	●	●
0040 050 0400 050	0.4	0.6	5	50	0.37	4	0.03	●	●	●
0050 050 0400 020	0.5	0.7	2	50	0.45	4	0.05	●	●	●
0050 050 0400 040	0.5	0.7	4	50	0.45	4	0.05	●	●	●
0050 050 0400 060	0.5	0.7	6	50	0.45	4	0.05	●	●	●
0050 050 0400 080	0.5	0.7	8	50	0.45	4	0.05	●	●	●
0060 050 0400 020	0.6	0.9	2	50	0.55	4	0.05	●	●	●
0060 050 0400 040	0.6	0.9	4	50	0.55	4	0.05	●	●	●
0060 050 0400 060	0.6	0.9	6	50	0.55	4	0.05	●	●	●
0060 050 0400 080	0.6	0.9	8	50	0.55	4	0.05	●	●	●
0060 050 0400 100	0.6	0.9	10	50	0.55	4	0.05	●	●	●
0070 050 0400 020	0.7	1.0	2	50	0.65	4	0.08	●	●	●
0070 050 0400 040	0.7	1.0	4	50	0.65	4	0.08	●	●	●
0070 050 0400 060	0.7	1.0	6	50	0.65	4	0.08	●	●	●
0070 050 0400 080	0.7	1.0	8	50	0.65	4	0.08	●	●	●
0070 050 0400 100	0.7	1.0	10	50	0.65	4	0.08	●	●	●
0080 050 0400 040	0.8	1.2	4	50	0.75	4	0.08	●	●	●
0080 050 0400 060	0.8	1.2	6	50	0.75	4	0.08	●	●	●
0080 050 0400 080	0.8	1.2	8	50	0.75	4	0.08	●	●	●
0080 050 0400 100	0.8	1.2	10	50	0.75	4	0.08	●	●	●
0080 050 0400 120	0.8	1.2	12	50	0.75	4	0.08	●	●	●
0090 050 0400 060	0.9	1.4	6	50	0.85	4	0.08	●	●	●
0090 050 0400 080	0.9	1.4	8	50	0.85	4	0.08	●	●	●

cont'd ▶

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M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

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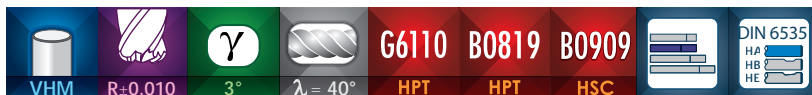
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EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)							787*	B66*	A79*
	D	l1	l2	L	d1	d2 (h6)	R	G6110	B0819	B0909
0090 050 0400 100	0.9	1.4	10	50	0.85	4	0.08	●	●	●
0090 050 0400 150	0.9	1.4	15	50	0.85	4	0.08	●	●	●
0100 050 0400 060	1.0	1.5	6	50	0.95	4	0.1	●	●	●
0100 050 0400 080	1.0	1.5	8	50	0.95	4	0.1	●	●	●
0100 050 0400 100	1.0	1.5	10	50	0.95	4	0.1	●	●	●
0100 050 0400 120	1.0	1.5	12	50	0.95	4	0.1	●	●	●
0100 050 0400 140	1.0	1.5	14	50	0.95	4	0.1	●	●	●
0100 050 0400 160	1.0	1.5	16	50	0.95	4	0.1	●	●	●
0120 050 0400 060	1.2	1.8	6	50	1.15	4	0.1	●	●	●
0120 050 0400 080	1.2	1.8	8	50	1.15	4	0.1	●	●	●
0120 050 0400 100	1.2	1.8	10	50	1.15	4	0.1	●	●	●
0120 050 0400 120	1.2	1.8	12	50	1.15	4	0.1	●	●	●
0140 050 0400 060	1.4	2.1	6	50	1.35	4	0.15	●	●	●
0140 050 0400 080	1.4	2.1	8	50	1.35	4	0.15	●	●	●
0140 050 0400 100	1.4	2.1	10	50	1.35	4	0.15	●	●	●
0140 050 0400 120	1.4	2.1	12	50	1.35	4	0.15	●	●	●
0140 050 0400 140	1.4	2.1	14	50	1.35	4	0.15	●	●	●
0140 050 0400 160	1.4	2.1	16	50	1.35	4	0.15	●	●	●
0150 050 0400 060	1.5	2.3	6	50	1.45	4	0.15	●	●	●
0150 050 0400 080	1.5	2.3	8	50	1.45	4	0.15	●	●	●
0150 050 0400 100	1.5	2.3	10	50	1.45	4	0.15	●	●	●
0150 050 0400 120	1.5	2.3	12	50	1.45	4	0.15	●	●	●
0150 050 0400 140	1.5	2.3	14	50	1.45	4	0.15	●	●	●
0150 050 0400 160	1.5	2.3	16	50	1.45	4	0.15	●	●	●
0150 060 0400 180	1.5	2.3	18	60	1.45	4	0.15	●	●	●
0150 060 0400 200	1.5	2.3	20	60	1.45	4	0.15	●	●	●
0160 050 0400 060	1.6	2.4	6	50	1.55	4	0.15	●	●	●
0160 050 0400 080	1.6	2.4	8	50	1.55	4	0.15	●	●	●
0160 050 0400 100	1.6	2.4	10	50	1.55	4	0.15	●	●	●
0160 050 0400 120	1.6	2.4	12	50	1.55	4	0.15	●	●	●
0160 050 0400 140	1.6	2.4	14	50	1.55	4	0.15	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

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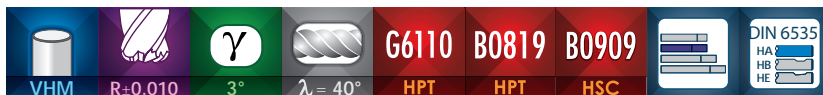
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EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)							787*	B66*	A79*
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0160 050 0400 160	1.6	2.4	16	50	1.55	4	0.15	●	●	●
0160 060 0400 180	1.6	2.4	18	60	1.55	4	0.15	●	●	●
0160 060 0400 200	1.6	2.4	20	60	1.55	4	0.15	●	●	●
0180 050 0400 060	1.8	2.7	6	50	1.75	4	0.2	●	●	●
0180 050 0400 080	1.8	2.7	8	50	1.75	4	0.2	●	●	●
0180 050 0400 100	1.8	2.7	10	50	1.75	4	0.2	●	●	●
0180 050 0400 120	1.8	2.7	12	50	1.75	4	0.2	●	●	●
0180 050 0400 140	1.8	2.7	14	50	1.75	4	0.2	●	●	●
0180 050 0400 160	1.8	2.7	16	50	1.75	4	0.2	●	●	●
0180 060 0400 180	1.8	2.7	18	60	1.75	4	0.2	●	●	●
0180 060 0400 200	1.8	2.7	20	60	1.75	4	0.2	●	●	●
0200 050 0400 060	2	3	6	50	1.95	4	0.2	●	●	●
0200 050 0400 080	2	3	8	50	1.95	4	0.2	●	●	●
0200 050 0400 100	2	3	10	50	1.95	4	0.2	●	●	●
0200 050 0400 120	2	3	12	50	1.95	4	0.2	●	●	●
0200 050 0400 140	2	3	14	50	1.95	4	0.2	●	●	●
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0200 060 0400 180	2	3	18	60	1.95	4	0.2	●	●	●
0200 060 0400 200	2	3	20	60	1.95	4	0.2	●	●	●
0200 075 0400 250	2	3	25	75	1.95	4	0.2	●	●	●
0200 075 0400 300	2	3	30	75	1.95	4	0.2	●	●	●
0250 050 0400 080	2.5	3.7	8	50	2.4	4	0.3	●	●	●
0250 050 0400 100	2.5	3.7	10	50	2.4	4	0.3	●	●	●
0250 050 0400 120	2.5	3.7	12	50	2.4	4	0.3	●	●	●
0250 050 0400 140	2.5	3.7	14	50	2.4	4	0.3	●	●	●
0250 050 0400 160	2.5	3.7	16	50	2.4	4	0.3	●	●	●
0250 060 0400 180	2.5	3.7	18	60	2.4	4	0.3	●	●	●
0250 060 0400 200	2.5	3.7	20	60	2.4	4	0.3	●	●	●
0250 060 0400 250	2.5	3.7	25	60	2.4	4	0.3	●	●	●
0250 075 0400 300	2.5	3.7	30	75	2.4	4	0.3	●	●	●
0300 050 0600 080	3	4.5	8	50	2.85	6	0.3	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

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0300 050 0600 120	3	4.5	12	50	2.85	6	0.3	●	●	●
0300 050 0600 140	3	4.5	14	50	2.85	6	0.3	●	●	●
0300 060 0600 160	3	4.5	16	60	2.85	6	0.3	●	●	●
0300 060 0600 180	3	4.5	18	60	2.85	6	0.3	●	●	●
0300 060 0600 200	3	4.5	20	60	2.85	6	0.3	●	●	●
0300 075 0600 250	3	4.5	25	75	2.85	6	0.3	●	●	●
0400 060 0600 100	4	4.5	10	60	3.85	6	0.4	●	●	●
0400 060 0600 150	4	4.5	15	60	3.85	6	0.4	●	●	●
0400 060 0600 200	4	4.5	20	60	3.85	6	0.4	●	●	●
0400 075 0600 250	4	4.5	25	75	3.85	6	0.4	●	●	●
0400 075 0600 300	4	4.5	30	75	3.85	6	0.4	●	●	●
0400 075 0600 400	4	4.5	40	75	3.85	6	0.4	●	●	●

D mm	Tol. µm
0.1 ~ 0.7	0 / -12
0.7 ~ 4.0	0 / -20

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

若有技术规格变更，恕不事先通知

SE 45R MINIATURE TORUS ENDMILLS - with Long Neck and 6,00 mm shank Ø

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

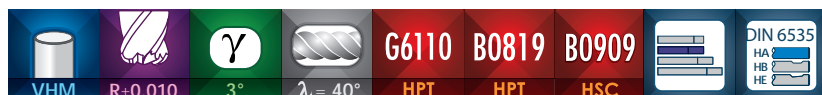
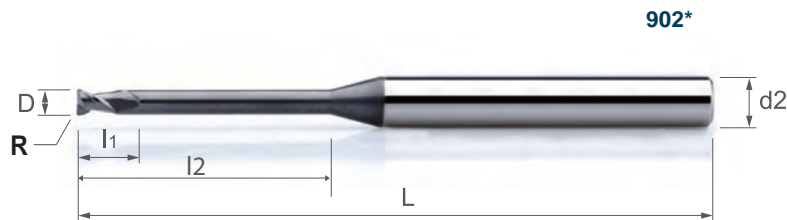
UK Solid Carbide SE 45R Miniature Torus
Endmills with long neck, 2 flutes, shank-Ø 6,00 mm

DE VHM SE 45R Torus-Kleinstfräser mit langem
Hals, 2 Zähne, Schaft-Ø 6,00 mm

FR Micro-fraises SE 45R 2 tailles toriques
en carbure monobloc avec cou long, 2 dents, Ø queue: 6,00 mm

IT Micro-frese toroidali SE 45R con collo lungo
in metallo duro integrale, 2 taglianti Ø gambo: 6,00 mm

CN 整体硬质合金 SE 45R 系列 圆鼻长颈短刃 立铣刀
2刃 - Ø6柄



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)							612*	902*	A24*
	D	l1	l2	L	d1	d2 (h6)	R	G6110	B0819	B0909
0050 060 0600 025	0.5	0.7	2.5	60	0.5	6	0.2	●	●	●
0050 060 0600 040	0.5	0.7	4	60	0.5	6	0.2	●	●	●
0060 060 0600 030	0.6	0.9	3	60	0.6	6	0.2	●	●	●
0070 060 0600 040	0.7	1.0	4	60	0.7	6	0.2	●	●	●
0080 060 0600 040	0.8	1.2	4	60	0.8	6	0.2	●	●	●
0080 060 0600 080	0.8	1.2	8	60	0.8	6	0.2	●	●	●
0100 060 0600 060	1.0	1.5	6	60	1.0	6	0.2	●	●	●
0100 060 0600 080	1.0	1.5	8	60	1.0	6	0.2	●	●	●
0100 060 0600 100	1.0	1.5	10	60	1.0	6	0.2	●	●	●
0100 060 0600 120	1.0	1.5	12	60	1.0	6	0.2	●	●	●
0120 060 0600 060	1.2	1.8	6	60	1.2	6	0.2	●	●	●
0120 060 0600 080	1.2	1.8	8	60	1.2	6	0.2	●	●	●
0120 060 0600 100	1.2	1.8	10	60	1.2	6	0.2	●	●	●
0120 060 0600 120	1.2	1.8	12	60	1.2	6	0.2	●	●	●
0140 060 0600 070	1.4	2.1	7	60	1.4	6	0.2	●	●	●
0140 060 0600 080	1.4	2.1	8	60	1.4	6	0.2	●	●	●
0140 060 0600 100	1.4	2.1	10	60	1.4	6	0.2	●	●	●
0140 060 0600 120	1.4	2.1	12	60	1.4	6	0.2	●	●	●
0140 060 0600 140	1.4	2.1	14	60	1.4	6	0.2	●	●	●
0140 060 0600 160	1.4	2.1	16	60	1.4	6	0.2	●	●	●
0150 060 0600 060	1.5	2.3	6	60	1.5	6	0.2	●	●	●
0150 060 0600 080	1.5	2.3	8	60	1.5	6	0.2	●	●	●
0150 060 0600 100	1.5	2.3	10	60	1.5	6	0.2	●	●	●
0150 060 0600 120	1.5	2.3	12	60	1.5	6	0.2	●	●	●
0150 060 0600 140	1.5	2.3	14	60	1.5	6	0.2	●	●	●
0150 060 0600 160	1.5	2.3	16	60	1.5	6	0.2	●	●	●
0150 060 0600 180	1.5	2.3	18	60	1.5	6	0.2	●	●	●
0150 075 0600 200	1.5	2.3	20	75	1.5	6	0.2	●	●	●
0160 060 0600 060	1.6	2.4	6	60	1.6	6	0.2	●	●	●
0160 060 0600 080	1.6	2.4	8	60	1.6	6	0.2	●	●	●
0160 060 0600 100	1.6	2.4	10	60	1.6	6	0.2	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

SE 45R MINIATURE TORUS ENDMILLS - with Long Neck and 6,00 mm shank Ø

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

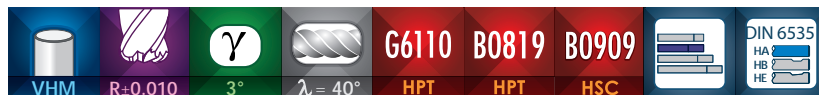
 Solid Carbide SE 45R Miniature Torus
Endmills with long neck, 2 flutes, shank-Ø 6,00 mm

 VHM SE 45R Torus-Kleinstfräser mit langem
Hals, 2 Zähne, Schaft-Ø 6,00 mm

 Micro-fraises SE 45R 2 tailles toriques
en carbure monobloc avec cou long, 2 dents, Ø queue: 6,00 mm

 Micro-frese toroidali SE 45R con collo lungo
in metallo duro integrale, 2 taglianti Ø gambo: 6,00 mm

 整体硬质合金 SE 45R 系列 圆鼻长颈短刃 立铣刀
2刃 - 6柄



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)							612*	902*	A24*
	D	l1	l2	L	d1	d2 (h6)	R	G6110	B0819	B0909
0160 060 0600 120	1.6	2.4	12	60	1.6	6	0.2	●	●	●
0160 060 0600 140	1.6	2.4	14	60	1.6	6	0.2	●	●	●
0160 060 0600 160	1.6	2.4	16	60	1.6	6	0.2	●	●	●
0160 060 0600 180	1.6	2.4	18	60	1.6	6	0.2	●	●	●
0160 060 0600 200	1.6	2.4	20	60	1.6	6	0.2	●	●	●
0180 060 0600 060	1.8	2.7	6	60	1.8	6	0.2	●	●	●
0180 060 0600 080	1.8	2.7	8	60	1.8	6	0.2	●	●	●
0180 060 0600 100	1.8	2.7	10	60	1.8	6	0.2	●	●	●
0180 060 0600 120	1.8	2.7	12	60	1.8	6	0.2	●	●	●
0180 060 0600 140	1.8	2.7	14	60	1.8	6	0.2	●	●	●
0180 060 0600 160	1.8	2.7	16	60	1.8	6	0.2	●	●	●
0180 075 0600 180	1.8	2.7	18	75	1.8	6	0.2	●	●	●
0180 075 0600 200	1.8	2.7	20	75	1.8	6	0.2	●	●	●
0190 060 0600 100	1.9	2.8	10	60	1.9	6	0.2	●	●	●
0190 060 0600 120	1.9	2.8	12	60	1.9	6	0.2	●	●	●
0190 060 0600 140	1.9	2.8	14	60	1.9	6	0.2	●	●	●
0190 060 0600 160	1.9	2.8	16	60	1.9	6	0.2	●	●	●
0190 075 0600 200	1.9	2.8	20	75	1.9	6	0.2	●	●	●
0200 060 0600 060	2	3	6	60	1.95	6	0.2	●	●	●
0200 060 0600 080	2	3	8	60	1.95	6	0.2	●	●	●
0200 060 0600 100	2	3	10	60	1.95	6	0.2	●	●	●
0200 060 0600 120	2	3	12	60	1.95	6	0.2	●	●	●
0200 060 0600 140	2	3	14	60	1.95	6	0.2	●	●	●
0200 060 0600 160	2	3	16	60	1.95	6	0.2	●	●	●
0200 075 0600 180	2	3	18	75	1.95	6	0.2	●	●	●
0200 075 0600 200	2	3	20	75	1.95	6	0.2	●	●	●
0200 075 0600 250	2	3	25	75	1.95	6	0.2	●	●	●
0200 075 0600 300	2	3	30	75	1.95	6	0.2	●	●	●
0250 060 0600 080	2.5	3.7	8	60	2.4	6	0.2	●	●	●
0250 060 0600 100	2.5	3.7	10	60	2.4	6	0.2	●	●	●
0250 060 0600 120	2.5	3.7	12	60	2.4	6	0.2	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

SE 45R MINIATURE TORUS ENDMILLS - with Long Neck and 6,00 mm shank Ø

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

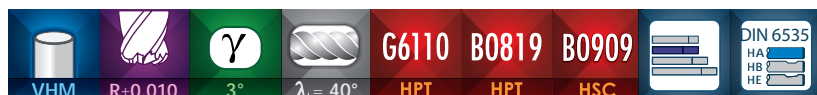
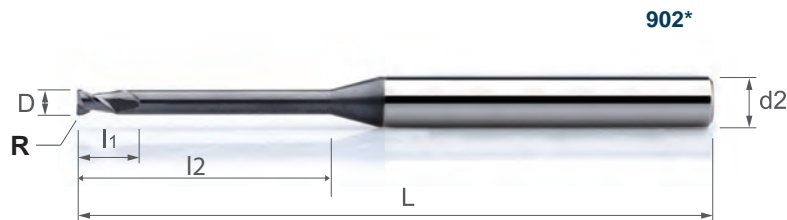
UK Solid Carbide SE 45R Miniature Torus
Endmills with long neck, 2 flutes, shank-Ø 6,00 mm

DE VHM SE 45R Torus-Kleinstfräser mit langem
Hals, 2 Zähne, Schaft-Ø 6,00 mm

FR Micro-fraises SE 45R 2 taillées toriques
en carbure monobloc avec cou long, 2 dents, Ø queue: 6,00 mm

IT Micro-frese toroidali SE 45R con collo lungo
in metallo duro integrale, 2 taglienti Ø gambo: 6,00 mm

CN 整体硬质合金 SE 45R 系列 圆鼻长颈短刃 立铣刀
2刃 - 6柄



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)							612*	902*	A24*
	D	l1	l2	L	d1	d2 (h6)	R	G6110	B0819	B0909
0250 060 0600 140	2.5	3.7	14	60	2.4	6	0.2	●	●	●
0250 060 0600 160	2.5	3.7	16	60	2.4	6	0.2	●	●	●
0250 075 0600 180	2.5	3.7	18	75	2.4	6	0.2	●	●	●
0250 075 0600 200	2.5	3.7	20	75	2.4	6	0.2	●	●	●
0250 075 0600 250	2.5	3.7	25	75	2.4	6	0.2	●	●	●
0250 075 0600 300	2.5	3.7	30	75	2.4	6	0.2	●	●	●
0300 060 0600 080	3	4.5	8	60	2.85	6	0.2	●	●	●
0300 060 0600 100	3	4.5	10	60	2.85	6	0.2	●	●	●
0300 060 0600 120	3	4.5	12	60	2.85	6	0.2	●	●	●
0300 060 0600 140	3	4.5	18	60	2.85	6	0.2	●	●	●
0300 060 0600 160	3	4.5	16	60	2.85	6	0.2	●	●	●
0300 075 0600 180	3	4.5	18	75	2.85	6	0.2	●	●	●
0300 075 0600 200	3	4.5	20	75	2.85	6	0.2	●	●	●
0300 075 0600 250	3	4.5	25	75	2.85	6	0.2	●	●	●
0300 075 0600 300	3	4.5	30	75	2.85	6	0.2	●	●	●
0400 060 0600 100	4	4.5	10	60	3.85	6	0.2	●	●	●
0400 060 0600 150	4	4.5	15	60	3.85	6	0.2	●	●	●
0400 075 0600 200	4	4.5	20	75	3.85	6	0.2	●	●	●
0400 075 0600 250	4	4.5	25	75	3.85	6	0.2	●	●	●
0400 075 0600 300	4	4.5	30	75	3.85	6	0.2	●	●	●
0400 075 0600 400	4	4.5	40	75	3.85	6	0.2	●	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

245

SE 45R TORUS ENDMILLS - with Taper Neck

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

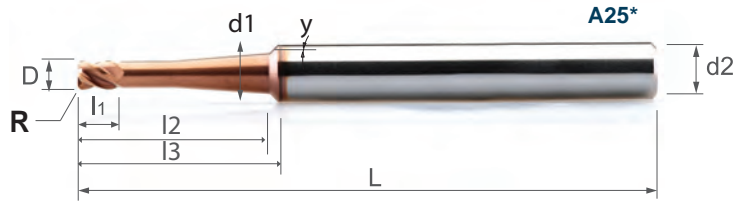
United Kingdom Solid Carbide SE 45R Torus Endmills with taper neck, 2 flutes

France Fraises 2 tailles SE 45R toriques avec cou conique en carbure monobloc, 2 dents

China 整体硬质合金 SE 45R 系列 圆锥颈位 立铣刀 2 刃

Germany VHM SE 45R Torusfräser mit konischem Hals, 2 Zähne

Italy Frese toroidali SE 45R con collo conico in metallo duro integrale, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)								214*	903*	A25*
	D	l1	l2	l3	L	d2 (h6)	y	R	G6110	B0819	B0909
0100 020 06 080	1.0	1.5	4.0	20	60	6	8°	0.2	●	●	●
0100 040 06 040	1.0	1.5	4.0	40	75	6	4.0°	0.2	●	●	●
0150 020 06 070	1.5	2.3	7.5	20	60	6	7°	0.2	●	●	●
0150 040 06 035	1.5	2.3	7.5	40	75	6	3.5°	0.2	●	●	●
0200 020 06 057	2.0	3.0	8.0	20	60	6	5.7°	0.5	●	●	●
0200 040 06 029	2.0	3.0	8.0	40	75	6	2.9°	0.5	●	●	●
0200 040 06 010	2.0	3.0	8.0	40	75	6	1°	0.5	●	●	●
0300 020 06 043	3.0	3.5	10.0	20	60	6	4.3°	0.5	●	●	●
0300 040 06 021	3.0	3.5	12.0	40	75	6	2.1°	0.5	●	●	●
0300 045 06 010	3.0	3.5	12.0	45	75	6	1°	0.5	●	●	●
0400 020 06 029	4.0	4.0	12.0	20	60	6	2.9°	1	●	●	●
0400 040 06 014	4.0	4.0	20.0	40	75	6	1.4°	1	●	●	●
0400 060 06 010	4.0	4.0	20.0	60	100	6	1°	0.5	●	●	●
0600 020 06 000	6.0	6.0	20.0	20	60	6	-	2	●	●	●
0600 040 06 000	6.0	6.0	40.0	40	75	6	-	1	●	●	●
0600 060 08 010	6.0	6.0	25.0	60	100	8	1°	2	●	●	●
0600 080 08 010	6.0	6.0	25.0	80	125	8	1°	1	●	●	●
0800 025 08 000	8.0	7.0	25.0	25	64	8	-	2	●	●	●
0800 060 08 000	8.0	7.0	60.0	60	100	8	-	2	●	●	●
0800 075 10 008	8.0	7.0	30.0	75	125	10	0.8°	1	●	●	●
0800 105 10 006	8.0	7.0	20.0	105	150	10	0.6°	1	●	●	●
1000 030 10 000	10.0	8.0	30.0	30	75	10	-	3	●	●	●
1000 075 10 000	10.0	8.0	75.0	75	125	10	-	3	●	●	●
1000 070 12 008	10.0	8.0	30.0	70	125	12	0.8°	3	●	●	●
1200 035 12 000	12.0	10.0	35.0	35	100	12	-	4	●	●	●
1200 070 12 000	12.0	10.0	70.0	70	125	12	-	4	●	●	●
1200 100 16 012	12.0	10.0	35.0	100	150	16	1.2°	4	●	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter



SE 45 STANDARD ENDMILLS, SHORT FLUTE

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

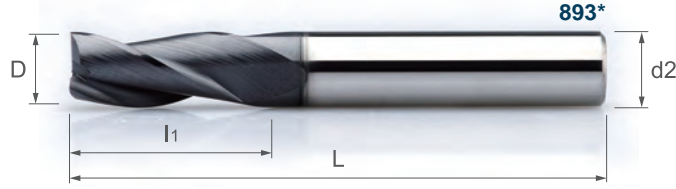
United Kingdom Solid Carbide SE 45 Standard Endmills, with short flute, 3 flutes

France Fraises 2 tailles SE 45 Standard à hélices courtes en carbure monobloc, 3 dents

China 整体硬质合金 SE 45 系列 立铣刀 3 刃 - 标准长度-短刃

Germany VHM SE 45 Standard Fräser mit kuezten Nuten, 3 Zähne

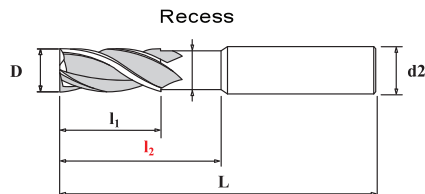
Italy Frese SE 45 Standard con gole corte in metallo duro integrale, 3 taglienti



VHM
3°
λ_v = 40°
G6110
B0819
B0909
HPT
HPT
HSC
DIN 6535
HA
HB
HE

EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)					535*	893*	A14*
	D	l1	l2	L	d2 (h6)	G6110	B0819	B0909
0100 040 03	1	3		40	3	○	●	●
0100 040 04	1	3		40	4	○	●	●
0150 040 03	1.5	4.5		40	3	○	●	●
0150 040 04	1.5	4.5		40	4	○	●	●
0200 040 03	2	6.5		40	3	○	●	●
0200 040 04	2	6.5		40	4	○	●	●
0250 040 03	2.5	6.5		40	3	○	●	●
0250 040 04	2.5	6.5		40	4	○	●	●
0300	3	7	15	40	3	○	●	●
0300 050 06	3	7	15	50	6	○	●	●
0350 050 04	3.5	8	20	50	4	○	●	●
0400	4	8	20	50	4	○	●	●
0400 050 06	4	8	20	50	6	○	●	●
0450 050 05	4.5	10	20	50	5	○	●	●
0500	5	10	20	50	5	○	●	●
0500 050 06	5	10	20	50	6	○	●	●
0550 050 06	5.5	10	20	50	6	○	●	●
0600 050	6	10	20	50	6	○	●	●
0600 060	6	13	30	60	6	○	●	●
0700 064 08	7	16	30	64	8	○	●	●
0800	8	16	30	64	8	○	●	●
0900 070 10	9	19	32	70	10	○	●	●
1000 070	10	19	32	70	10	○	●	●
1000 075	10	19	32	75	10	○	●	●
1100 075 12	11	22	37	75	12	○	●	●
1200	12	22	37	75	12	○	●	●
1400	14	22	44	90	14	○	●	●
1600	16	26	46	90	16	○	●	●
1800	18	26	53	100	18	○	●	●
2000	20	32	58	100	20	○	●	●
2200	22	32	58	100	22	○	●	●
2500	25	36	58	100	25	○	●	●

630* A15*



United Kingdom Tools with recess upon request

Germany Fräser mit Freistellung auf Bestellung

France Outils avec dégagement sur demande

Italy Utensilli con riduzione gambo su richiesta

China 密齿 立铣刀 带颈位 特别要求

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material Cutting Parameter

576

234

若有技术规格变更, 恕不事先通知

SE 45 STANDARD ENDMILLS

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

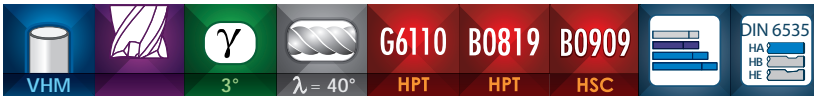
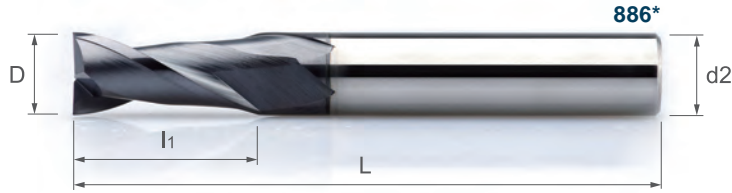
United Kingdom Solid Carbide SE 45 Standard Endmills, 2 Flutes

France Fraises 2 tailles SE 45 Standard en carbure monobloc, 2 dents

China 整体硬质合金 SE 45 系列 立铣刀 2 刃 - 标准长度

Germany VHM SE 45 Standard Fräser, 2 Zähne

Italy Frese standard SE 45 in metallo duro integrale, 2 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)					578*	886*	A04*
	D	L1	L2	L	d2 (h6)	G6110	B0819	B0909
0100 040 03	1	3		40	3	○	●	●
0100 040 04	1	3		40	4	○	●	●
0150 040 03	1.5	4.5		40	3	○	●	●
0150 040 04	1.5	4.5		40	4	○	●	●
0200 040 03	2	6.5		40	3	○	●	●
0200 040 04	2	6.5		40	4	○	●	●
0250 040 03	2.5	6.5		40	3	○	●	●
0250 040 04	2.5	6.5		40	4	○	●	●
0300	3	9	15	40	3	○	●	●
0300 050 06	3	9	15	50	6	○	●	●
0350 050 06	3.5	12	20	50	6	○	●	●
0400	4	12	20	50	4	○	●	●
0400 050 06	4	12	20	50	6	○	●	●
0450 050 06	4.5	15	20	50	6	○	●	●
0500	5	15	20	50	5	○	●	●
0500 050 06	5	15	20	50	6	○	●	●
0550 050 06	5.5	15	20	50	6	○	●	●
0600 050	6	16	20	50	6	○	●	●
0600 060	6	20	30	60	6	○	●	●
0700 064 08	7	20	30	64	8	○	●	●
0800	8	20	30	64	8	○	●	●
0900 070 10	9	22	32	70	10	○	●	●
1000 070	10	22	32	70	10	○	●	●
1000 075	10	22	32	75	10	○	●	●
1100 075 12	11	25	37	75	12	○	●	●
1200	12	25	37	75	12	○	●	●
1400	14	32	44	90	14	○	●	●
1600	16	32	46	90	16	○	●	●
1800	18	38	53	100	18	○	●	●
2000	20	38	58	100	20	○	●	●
2200	22	40	58	100	22	○	●	●
2500	25	40	58	100	25	○	●	●

B31*

A05*

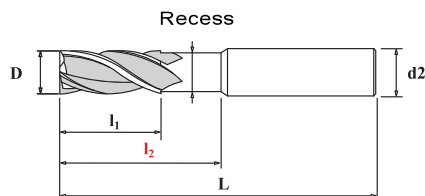
United Kingdom Tools with recess upon request

Germany Fräser mit Freistellung auf Bestellung

France Outils avec dégagement sur demande

Italy Utensilli con riduzione gambo su richiesta

China 密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

234

SE 45 STANDARD ENDMILLS

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

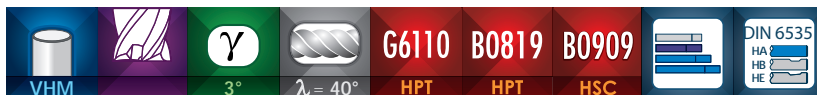
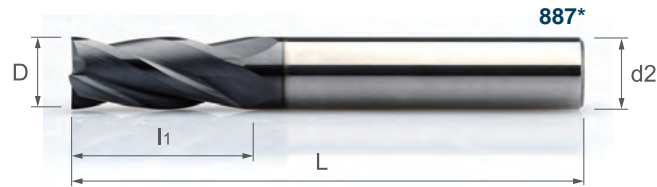
United Kingdom Solid Carbide SE 45 Standard Endmills, 4 Flutes

France Fraises 2 tailles SE 45 Standard en carbure monobloc, 4 dents

China 整体硬质合金 SE 45 系列 立铣刀 4 刃 - 标准长度

Germany VHM SE 45 Standard Fräser, 4 Zähne

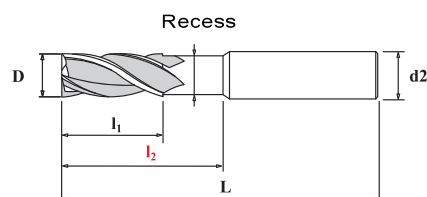
Italy Frese standard SE 45 in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)					543*	887*	A06*
	D	L1	L2	L	d2 (h6)	G6110	B0819	B0909
0100 040 03	1	3		40	3	○	●	●
0100 040 04	1	3		40	4	○	●	●
0150 040 03	1.5	4.5		40	3	○	●	●
0150 040 04	1.5	4.5		40	4	○	●	●
0200 040 03	2	6.5		40	3	○	●	●
0200 040 04	2	6.5		40	4	○	●	●
0250 040 03	2.5	6.5		40	3	○	●	●
0250 040 04	2.5	6.5		40	4	○	●	●
0300	3	9	15	40	3	○	●	●
0300 050 06	3	9	15	50	6	○	●	●
0350 050 06	3.5	12	20	50	6	○	●	●
0400	4	12	20	50	4	○	●	●
0400 050 06	4	12	20	50	6	○	●	●
0450 050 06	4.5	15	20	50	6	○	●	●
0500	5	15	20	50	5	○	●	●
0500 050 06	5	15	20	50	6	○	●	●
0550 050 06	5.5	15	20	50	6	○	●	●
0600 050	6	16	20	50	6	○	●	●
0600 060	6	20	30	60	6	○	●	●
0700 064 08	7	20	30	64	8	○	●	●
0800	8	20	30	64	8	○	●	●
0900 070 10	9	22	32	70	10	○	●	●
1000 070	10	22	32	70	10	○	●	●
1000 075	10	22	32	75	10	○	●	●
1100 075 12	11	25	37	75	12	○	●	●
1200	12	25	37	75	12	○	●	●
1400	14	32	44	90	14	○	●	●
1600	16	32	46	90	16	○	●	●
1800	18	38	53	100	18	○	●	●
2000	20	38	58	100	20	○	●	●
2200	22	40	58	100	22	○	●	●
2500	25	40	58	100	25	○	●	●

635*

A07*



United Kingdom Tools with recess upon request

Germany Fräser mit Freistellung auf Bestellung

France Outils avec dégagement sur demande

Italy Utensilli con riduzione gambo su richiesta

China 密齿 立铣刀 带颈位 特别要求

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236

SE 45 ENDMILLS - LONG

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

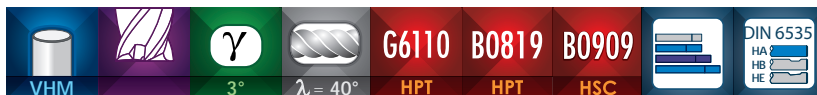
United Kingdom Solid Carbide SE 45 Endmills - Long, 4 Flutes

France Fraises 2 tailles SE 45 longues en carbure monobloc, 4 dents

China 整体硬质合金 SE 45 系列 立铣刀 4 刃 - 中长

Germany VHM SE 45 Fräser, lang, 4 Zähne

Italy Frese SE 45 lunghe in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)						186*	889*	A09*
	D	L1	L2	L	d2 (h6)	G6110	B0819	B0909	
0300	3	19		60	3	○	●	●	
0300 075 06	3	19		75	6	○	●	●	
0400	4	19		60	4	○	●	●	
0400 075 06	4	19		75	6	○	●	●	
0500	5	19		60	5	○	●	●	
0500 075 06	5	19		75	6	○	●	●	
0600	6	31		75	6	○	●	●	
0800	8	31		75	8	○	●	●	
1000 075	10	31		75	10	○	●	●	
1000 100	10	50		100	10	○	●	●	
1200	12	50		100	12	○	●	●	
1400	14	57		125	14	○	●	●	
1600	16	57		125	16	○	●	●	
1800	18	57		125	18	○	●	●	
2000	20	57		125	20	○	●	●	

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

238

SE 45 ENDMILLS - EXTRA-LONG

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

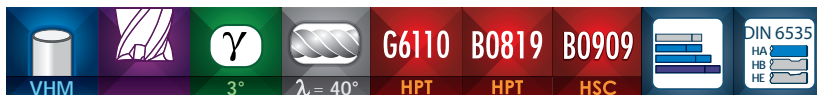
UK Solid Carbide SE 45 Endmills - extra-long, 4 Flutes

FR Fraises 2 tailles SE 45 extra-longues en carbure monobloc, 4 dents

CN 整体硬质合金 SE 45 系列 立铣刀 4 刃 - 加长

DE VHM SE 45 Fräser, extra-lang, 4 Zähne

IT Frese SE 45 extra-lunghe in metallo duro integrale, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					202*	891*	A11*
	D	I1	I2	L	d2 (h6)	G6110	B0819	B0909
0300	3	25		100	3	○	●	●
0300 100 06	3	25		100	6	○	●	●
0400	4	31		100	4	○	●	●
0400 100 06	4	31		100	6	○	●	●
0500	5	31		100	5	○	●	●
0500 100 06	5	31		100	6	○	●	●
0600	6	38		100	6	○	●	●
0800	8	41		100	8	○	●	●
1000	10	57		125	10	○	●	●
1200	12	75		150	12	○	●	●
1400	14	75		150	14	○	●	●
1600	16	75		150	16	○	●	●
1800	18	75		150	18	○	●	●
2000	20	75		150	20	○	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter




576

240

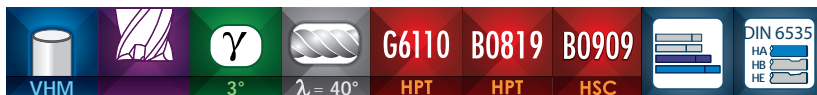
MODIFICHE TECNICHE POSSIBILI SENZA PREAVVISO

SE 45 SHORT FLUTES LONG REACH ENDMILLS - LONG






≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

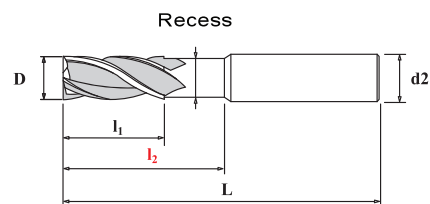
 Solid Carbide SE 45 long LONG REACH
Endmills with short flutes, 4 flutes
 Fraises 2 tailles SE 45 LONG REACH longues
à hélices courtes en carbure monobloc, 4 dents
 整体硬质合金 SE 45 系列 短刃 立铣刀
4 刃 - 中长

 VHM SE 45 lange LONG REACH Fräser mit
kurzen Nuten, 4 Zähne
 Frese SE 45 LONG REACH lunghe in metallo
duro integrale, con gole corte, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						113*	895*	A18*
	D	l1	l2	L	d2 (h6)	G6110	B0819	B0909	
0300	3	5	30	60	3	●	●	●	
0300 075 06	3	5	30	75	6	●	●	●	
0400	4	8	32	60	4	●	●	●	
0400 075 06	4	8	32	75	6	●	●	●	
0500	5	9	32	60	5	●	●	●	
0500 075 06	5	9	32	75	6	●	●	●	
0600	6	10	40	75	6	●	●	●	
0800	8	12	40	75	8	●	●	●	
1000 075	10	14	40	75	10	●	●	●	
1000 100	10	14	60	100	10	●	●	●	
1200	12	16	60	100	12	●	●	●	
1400	14	22	85	125	14	●	●	●	
1600	16	22	85	125	16	●	●	●	
1800	18	26	85	125	18	●	●	●	
2000	20	26	85	125	20	●	●	●	
						114*	897*	A19*	

 Tools with **recess** upon request
 Fräser mit **Freistellung** auf Bestellung
 Outils avec **dégagement** sur demande
 Utensilli con **riduzione gambo** su richiesta
 密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

238

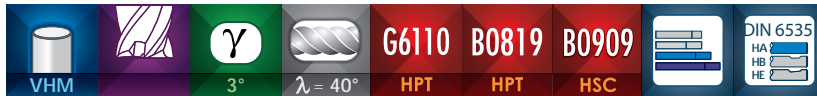
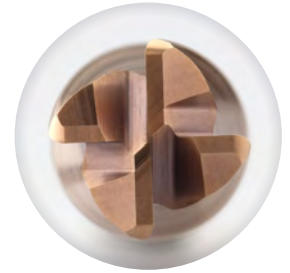
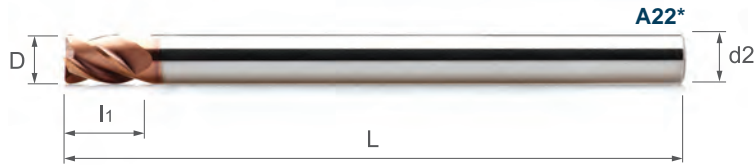
若有技术规格变更，恕不事先通知

SE 45 SHORT FLUTES LONG REACH ENDMILLS - EXTRA-LONG






≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

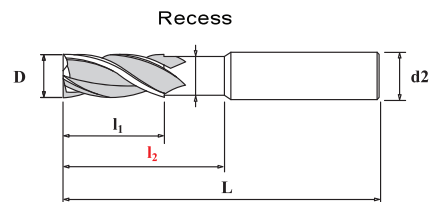
 Solid Carbide SE 45 extra-long LONG REACH Endmills, with short flutes, 4 flutes
 Fraises 2 tailles SE 45 LONG REACH extra-longues à hélices courtes en carbure monobloc, 4 dents
 整体硬质合金 SE 45 系列 短刃 立铣刀 4刃 - 加长

 VHM SE 45 extra-lange LONG REACH Fräser mit kurzen Nuten, 4 Zähne
 Frese SE 45 LONG REACH extra-lunghe in metallo duro integrale, con gole corte, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP	Dimension (mm)						121*	899*	A22*
	D	l1	l2	L	d2 (h6)	G6110	B0819	B0909	
0300	3	5	60	100	3	●	●	●	
0300 100 06	3	5	60	100	6	●	●	●	
0400	4	8	60	100	4	●	●	●	
0400 100 06	4	8	60	100	6	●	●	●	
0500	5	9	60	100	5	●	●	●	
0500 100 06	5	9	60	100	6	●	●	●	
0600	6	10	60	100	6	●	●	●	
0800	8	12	60	100	8	●	●	●	
1000	10	14	85	125	10	●	●	●	
1200	12	16	110	150	12	●	●	●	
1400	14	22	110	150	14	●	●	●	
1600	16	22	110	150	16	●	●	●	
1800	18	26	110	150	18	●	●	●	
2000	20	26	110	150	20	●	●	●	
						122*	901*	A23*	

 Tools with **recess** upon request
 Fräser mit **Freistellung** auf Bestellung
 Outils avec **dégagement** sur demande
 Utensilli con **riduzione gambo** su richiesta
 密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

240



SE 45R STANDARD TORUS ENDMILLS

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

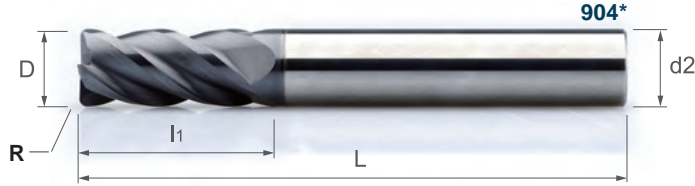
Solid Carbide SE 45R Standard Torus Endmills, 4 flutes

Fraises 2 tailles SE 45R toriques Standard en carbure monobloc, 4 dents

整体硬质合金 SE 45R 系列 圆鼻 立铣刀 4 刃 - 标准长度

VHM SE 45R Standard Torusfräser, 4 Zähne

Frese SE 45R toroidali Standard, in metallo duro integrale, 4 taglienti



G6110 **B0819** **B0909**

EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						311*	904*	A26*
	D	I1	I2	L	d2 (h6)	R	G6110	B0819	B0909
0100 040 0400 020	1	3		40	4	0.2	●	●	●
0100 050 0600 020	1	3		50	6	0.2	●	●	●
0150 040 0400 020	1.5	4.5		40	4	0.2	●	●	●
0150 050 0600 020	1.5	4.5		50	6	0.2	●	●	●
0200 040 0400 020	2	6.5		40	4	0.2	○	○	○
0200 040 0400 030	2	6.5		40	4	0.3	●	●	●
0200 050 0600 020	2	6.5		50	6	0.2	○	○	○
0200 050 0600 030	2	6.5		50	6	0.3	●	●	●
0250 040 0400 020	2.5	6.5		40	4	0.2	○	○	○
0250 040 0400 030	2.5	6.5		40	4	0.3	●	●	●
0250 040 0400 050	2.5	6.5		40	4	0.5	●	●	●
0250 050 0600 020	2.5	6.5		50	6	0.2	○	○	○
0250 050 0600 030	2.5	6.5		50	6	0.3	●	●	●
0250 050 0600 050	2.5	6.5		50	6	0.5	●	●	●
0300 040 0300 020	3	9		40	3	0.2	○	○	○
0300 040 0300 030	3	9		40	3	0.3	●	●	●
0300 040 0300 050	3	9		40	3	0.5	●	●	●
0300 040 0400 020	3	9		40	4	0.2	○	○	○
0300 040 0400 030	3	9		40	4	0.3	●	●	●
0300 040 0400 050	3	9		40	4	0.5	●	●	●
0300 050 0600 020	3	9		50	6	0.2	○	○	○
0300 050 0600 030	3	9		50	6	0.3	●	●	●
0300 050 0600 050	3	9		50	6	0.5	●	●	●
0400 050 0400 020	4	12		50	4	0.2	○	○	○
0400 050 0400 030	4	12		50	4	0.3	●	●	●
0400 050 0400 050	4	12		50	4	0.5	●	●	●
0400 050 0400 100	4	12		50	4	1	●	●	●
0400 050 0600 020	4	12		50	6	0.2	○	○	○
0400 050 0600 030	4	12		50	6	0.3	●	●	●
0400 050 0600 050	4	12		50	6	0.5	●	●	●
0400 050 0600 100	4	12		50	6	1	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236



SE 45R STANDARD TORUS ENDMILLS

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

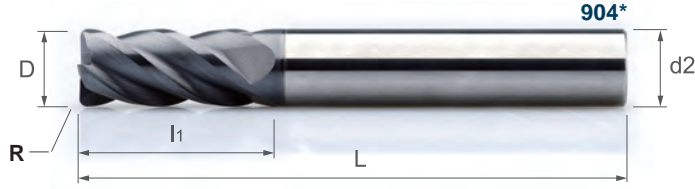
Solid Carbide SE 45R Standard Torus Endmills, 4 flutes

Fraises 2 tailles SE 45R toriques Standard en carbure monobloc, 4 dents

整体硬质合金 SE 45R 系列 圆鼻 立铣刀 4 刃 - 标准长度

VHM SE 45R Standard Torusfräser, 4 Zähne

Frese SE 45R toroidali Standard, in metallo duro integrale, 4 taglienti



				G6110	B0819	B0909	
VHM	R=0.010	3°	λ _v = 40°	HPT	HPT	HSC	DIN 6535 HA HB HE

EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						311*	904*	A26*
	D	I1	I2	L	d2 (h6)	R	G6110	B0819	B0909
0500 050 0500 020	5	15		50	5	0.2	○	○	○
0500 050 0500 030	5	15		50	5	0.3	●	●	●
0500 050 0500 050	5	15		50	5	0.5	●	●	●
0500 050 0500 100	5	15		50	5	1	●	●	●
0500 050 0600 020	5	15		50	6	0.2	○	○	○
0500 050 0600 030	5	15		50	6	0.3	●	●	●
0500 050 0600 050	5	15		50	6	0.5	●	●	●
0500 050 0600 100	5	15		50	6	1	●	●	●
0600 050 0600 020	6	16		50	6	0.2	○	○	○
0600 050 0600 030	6	16		50	6	0.3	●	●	●
0600 050 0600 050	6	16		50	6	0.5	●	●	●
0600 050 0600 100	6	16		50	6	1	●	●	●
0600 060 0600 020	6	20		60	6	0.2	○	○	○
0600 060 0600 030	6	20		60	6	0.3	●	●	●
0600 060 0600 050	6	20		60	6	0.5	●	●	●
0600 060 0600 100	6	20		60	6	1	●	●	●
0800 064 0800 020	8	20		64	8	0.2	○	○	○
0800 064 0800 030	8	20		64	8	0.3	●	●	●
0800 064 0800 050	8	20		64	8	0.5	●	●	●
0800 064 0800 100	8	20		64	8	1	●	●	●
0800 064 0800 150	8	20		64	8	1.5	●	●	●
0800 064 0800 200	8	20		64	8	2	●	●	●
1000 070 1000 030	10	22		70	10	0.3	●	●	●
1000 070 1000 050	10	22		70	10	0.5	●	●	●
1000 070 1000 100	10	22		70	10	1	●	●	●
1000 070 1000 150	10	22		70	10	1.5	●	●	●
1000 070 1000 200	10	22		70	10	2	●	●	●
1000 075 1000 030	10	22		75	10	0.3	●	●	●
1000 075 1000 050	10	22		75	10	0.5	●	●	●
1000 075 1000 100	10	22		75	10	1	●	●	●
1000 075 1000 150	10	22		75	10	1.5	●	●	●

cont'd ▶

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236



SE 45R STANDARD TORUS ENDMILLS

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

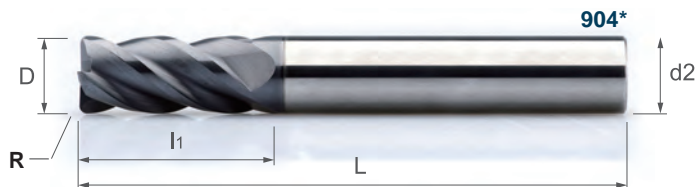
Solid Carbide SE 45R Standard Torus Endmills, 4 flutes

Fraises 2 tailles SE 45R toriques Standard en carbure monobloc, 4 dents

整体硬质合金 SE 45R 系列 圆鼻 立铣刀 4 刃 - 标准长度

VHM SE 45R Standard Torusfräser, 4 Zähne

Frese SE 45R toroidali Standard, in metallo duro integrale, 4 taglienti



				G6110	B0819	B0909	
VHM	R±0.010	3°	λ _v = 40°	HPT	HPT	HSC	HA HB HE

EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)						311*	904*	A26*
	D	I1	I2	L	d2 (h6)	R	G6110	B0819	B0909
1000 075 1000 200	10	22		75	10	2	●	●	●
1200 075 1200 030	12	25		75	12	0.3	●	●	●
1200 075 1200 050	12	25		75	12	0.5	●	●	●
1200 075 1200 100	12	25		75	12	1	●	●	●
1200 075 1200 150	12	25		75	12	1.5	●	●	●
1200 075 1200 200	12	25		75	12	2	●	●	●
1200 075 1200 300	12	25		75	12	3	●	●	●
1400 090 1400 030	14	32		90	14	0.3	●	●	●
1400 090 1400 050	14	32		90	14	0.5	●	●	●
1400 090 1400 100	14	32		90	14	1	●	●	●
1400 090 1400 150	14	32		90	14	1.5	●	●	●
1400 090 1400 200	14	32		90	14	2	●	●	●
1400 090 1400 300	14	32		90	14	3	●	●	●
1600 090 1600 050	16	32		90	16	0.5	●	●	●
1600 090 1600 100	16	32		90	16	1	●	●	●
1600 090 1600 150	16	32		90	16	1.5	●	●	●
1600 090 1600 200	16	32		90	16	2	●	●	●
1600 090 1600 300	16	32		90	16	3	●	●	●
1800 100 1800 050	18	38		100	18	0.5	○	○	○
1800 100 1800 100	18	38		100	18	1	○	○	○
1800 100 1800 150	18	38		100	18	1.5	○	○	○
1800 100 1800 200	18	38		100	18	2	○	○	○
1800 100 1800 300	18	38		100	18	3	○	○	○
2000 100 2000 050	20	38		100	20	0.5	●	●	●
2000 100 2000 100	20	38		100	20	1	●	●	●
2000 100 2000 150	20	38		100	20	1.5	●	●	●
2000 100 2000 200	20	38		100	20	2	●	●	●
2000 100 2000 300	20	38		100	20	3	●	●	●

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236

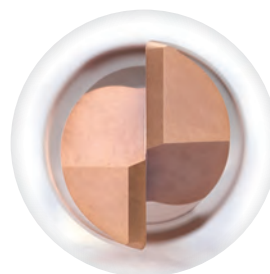
MODIFICHE TECNICHE POSSIBILI SENZA PREAVVISO






SE 45R SHORT FLUTES LONG REACH TORUS ENDMILLS - LONG

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC






-  Solid Carbide SE 45R long LONG REACH Torus Endmills, short flutes, 2 flutes
-  Fraises 2 tailles SE 45R LONG REACH toriques longues, goujures courtes, 2 dents
-  整体硬质合金 SE 45R 系列 圆鼻短刃 立铣刀 2刃 - 中长

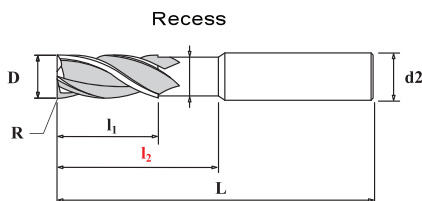
-  VHM SE 45R lange LONG REACH Torusfräser, kurze Nuten, 2 Zähne
-  Frese toroidali SE 45R LONG REACH lunghe in metallo duro integrale, gole corte, 2 taglienti



				G6110	B0819	B0909	
VHM	R=0.010	3°	λ _v = 40°	HPT	HPT	HSC	DIN 6535 HA HB HE

EDPNo./EDV-Nr./ CODEusine/CodiceDP =*+Ødata	Dimension (mm)						255*	906*	A28*
	D	l1	l2	L	d2 (h6)	R	G6110	B0819	B0909
0200 075 0600 030	2	4	30	75	6	0.3	●	●	●
0300 075 0600 030	3	5	30	75	6	0.3	●	●	●
0300 075 0600 050	3	5	30	75	6	0.5	●	●	●
0400 075 0600 030	4	8	32	75	6	0.3	●	●	●
0400 075 0600 050	4	8	32	75	6	0.5	●	●	●
0500 075 0600 030	5	9	32	75	6	0.3	●	●	●
0500 075 0600 050	5	9	32	75	6	0.5	●	●	●
0600 075 0600 030	6	10	40	75	6	0.3	●	●	●
0600 075 0600 050	6	10	40	75	6	0.5	●	●	●
0600 075 0600 100	6	10	40	75	6	1	●	●	●
0800 075 0800 030	8	12	40	75	8	0.3	●	●	●
0800 075 0800 050	8	12	40	75	8	0.5	●	●	●
0800 075 0800 100	8	12	40	75	8	1	●	●	●
1000 075 1000 050	10	14	40	75	10	0.5	●	●	●
1000 075 1000 100	10	14	40	75	10	1	●	●	●
1000 075 1000 200	10	14	40	75	10	2	●	●	●
1000 100 1000 050	10	14	60	100	10	0.5	●	●	●
1000 100 1000 100	10	14	60	100	10	1	●	●	●
1000 100 1000 200	10	14	60	100	10	2	●	●	●
1200 100 1200 050	12	16	60	100	12	0.5	●	●	●
1200 100 1200 100	12	16	60	100	12	1	●	●	●
1200 100 1200 200	12	16	60	100	12	2	●	●	●
1600 125 1600 050	16	22	85	125	16	0.5	●	●	●
1600 125 1600 100	16	22	85	125	16	1	●	●	●
1600 125 1600 200	16	22	85	125	16	2	●	●	●
1600 125 1600 300	16	22	85	125	16	3	●	●	●
							256*	786*	A99*

-  Tools with **recess** upon request
-  Fräser mit **Freistellung** auf Bestellung
-  Outils avec **dégagement** sur demande
-  Utensilli con **riduzione gambo** su richiesta
-  密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

SE 45R SHORT FLUTES LONG REACH TORUS ENDMILLS - LONG

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

- UK Solid Carbide SE 45R long LONG REACH Torus Endmills, short flutes, 4 flutes
- FR Fraises 2 tailles SE 45R LONG REACH toriques longues, goujures courtes, 4 dents
- CN 整体硬质合金 SE 45R 系列 圆鼻短刃 立铣刀 4刃 - 中长

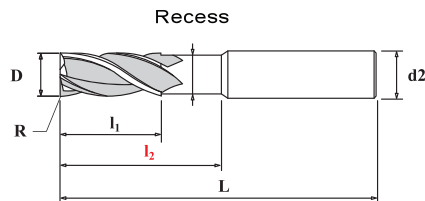
- DE VHM SE 45R lange LONG REACH Torusfräser, kurze Nuten, 4 Zähne
- IT Frese toroidali SE 45R LONG REACH lunghe in metallo duro integrale, gole corte, 4 taglienti



G6110 **B0819** **B0909**

EDPNo./EDV-Nr./ CODEusine/CodiceEDP =*+Ødata	Dimension (mm)						263*	907*	A29*
	D	l1	l2	L	d2 (h6)	R	G6110	B0819	B0909
0200 075 0600 030	2	4	30	75	6	0.3	●	●	●
0300 075 0600 030	3	5	30	75	6	0.3	●	●	●
0300 075 0600 050	3	5	30	75	6	0.5	●	●	●
0400 075 0600 030	4	8	32	75	6	0.3	●	●	●
0400 075 0600 050	4	8	32	75	6	0.5	●	●	●
0500 075 0600 030	5	9	32	75	6	0.3	●	●	●
0500 075 0600 050	5	9	32	75	6	0.5	●	●	●
0600 075 0600 030	6	10	40	75	6	0.3	●	●	●
0600 075 0600 050	6	10	40	75	6	0.5	●	●	●
0600 075 0600 100	6	10	40	75	6	1	●	●	●
0800 075 0800 030	8	12	40	75	8	0.3	●	●	●
0800 075 0800 050	8	12	40	75	8	0.5	●	●	●
0800 075 0800 100	8	12	40	75	8	1	●	●	●
1000 075 1000 050	10	14	40	75	10	0.5	●	●	●
1000 075 1000 100	10	14	40	75	10	1	●	●	●
1000 075 1000 200	10	14	40	75	10	2	●	●	●
1000 100 1000 050	10	14	60	100	10	0.5	●	●	●
1000 100 1000 100	10	14	60	100	10	1	●	●	●
1000 100 1000 200	10	14	60	100	10	2	●	●	●
1200 100 1200 050	12	16	60	100	12	0.5	●	●	●
1200 100 1200 100	12	16	60	100	12	1	●	●	●
1200 100 1200 200	12	16	60	100	12	2	●	●	●
1600 125 1600 050	16	22	85	125	16	0.5	●	●	●
1600 125 1600 100	16	22	85	125	16	1	●	●	●
1600 125 1600 200	16	22	85	125	16	2	●	●	●
1600 125 1600 300	16	22	85	125	16	3	●	●	●

264* 813* A1B*



- UK Tools with recess upon request
- DE Fräser mit Freistellung auf Bestellung
- FR Outils avec dégagement sur demande
- IT Utensilli con riduzione gambo su richiesta
- CN 密齿 立铣刀 带颈位 特别要求

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material Cutting Parameter

SE 45R SHORT FLUTES LONG REACH TORUS ENDMILLS - EXTRA-LONG

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

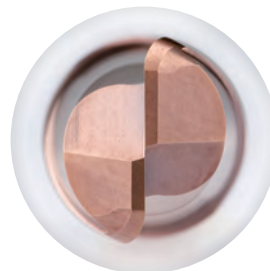
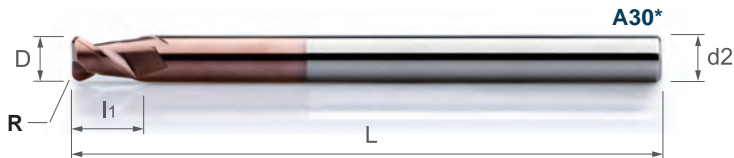
UK Solid Carbide SE 45R extra-long LONG REACH
Torus Endmills, short flutes, 2 flutes

FR Fraises 2 tailles SE 45R LONG REACH toriques
extra-longues, goujures courtes, 2 dents

CN 整体硬质合金 SE 45R 系列 圆鼻短刃 立铣刀
2刃 - 加长

DE VHM SE 45R extra-lange LONG REACH
Torusfräser, kurze Nuten, 2 Zähne

IT Frese toroidali SE 45R LONG REACH
extra-lunghe in metallo duro integrale, gole corte, 2 taglienti



VHM R±0.010 3° λv = 40° G6110 B0819 B0909 HPT HPT HSC DIN 6535 HA HB HE

EDPNo./EDV-Nr./ CODEusine/CodiceDP =*+Ødata	Dimension (mm)						283*	908*	A30*
	D	l1	l2	L	d2 (h6)	R	G6110	B0819	B0909
0200 100 0600 030	2	4	60	100	6	0.3	●	●	●
0300 100 0600 030	3	5	60	100	6	0.3	●	●	●
0300 100 0600 050	3	5	60	100	6	0.5	●	●	●
0400 100 0600 030	4	8	60	100	6	0.3	●	●	●
0400 100 0600 050	4	8	60	100	6	0.5	●	●	●
0500 100 0600 030	5	9	60	100	6	0.3	●	●	●
0500 100 0600 050	5	9	60	100	6	0.5	●	●	●
0600 100 0600 030	6	10	60	100	6	0.3	●	●	●
0600 100 0600 050	6	10	60	100	6	0.5	●	●	●
0600 100 0600 100	6	10	60	100	6	1	●	●	●
0800 100 0800 030	8	12	60	100	8	0.3	●	●	●
0800 100 0800 050	8	12	60	100	8	0.5	●	●	●
0800 100 0800 100	8	12	60	100	8	1	●	●	●
1000 125 1000 050	10	14	85	125	10	0.5	●	●	●
1000 125 1000 100	10	14	85	125	10	1	●	●	●
1000 125 1000 200	10	14	85	125	10	2	●	●	●
1200 150 1200 050	12	16	110	150	12	0.5	●	●	●
1200 150 1200 100	12	16	110	150	12	1	●	●	●
1200 150 1200 200	12	16	110	150	12	2	●	●	●
1600 150 1600 050	16	22	110	150	16	0.5	●	●	●
1600 150 1600 100	16	22	110	150	16	1	●	●	●
1600 150 1600 200	16	22	110	150	16	2	●	●	●
1600 150 1600 300	16	22	110	150	16	3	●	●	●

284* B32* A31*

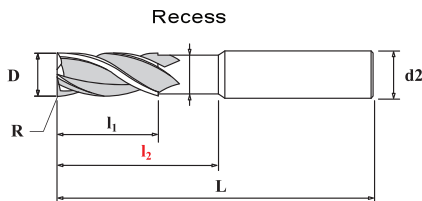
UK Tools with recess upon request

DE Fräser mit Freistellung auf Bestellung

FR Outils avec dégagement sur demande

IT Utensilli con riduzione gambo su richiesta

密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material Cutting Parameter

576

240

SE 45R SHORT FLUTES LONG REACH TORUS ENDMILLS - EXTRA-LONG

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

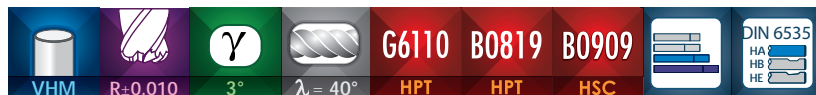
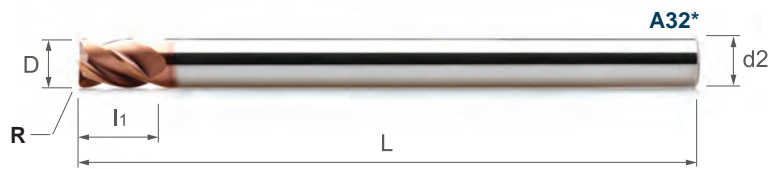
United Kingdom Solid Carbide SE 45R extra-long LONG REACH
Torus Endmills, short flutes, 4 flutes

France Fraises 2 tailles SE 45R LONG REACH toriques
extra-longues, goujures courtes, 4 dents

China 整体硬质合金 SE 45R 系列 圆鼻短刃 立铣刀
4刃 - 加长

Germany VHM SE 45R extra-lange LONG REACH
Torusräser, kurze Nuten, 4 Zähne

Italy Frese toroidali SE 45R LONG REACH
extra-lunghe in metallo duro integrale, gole corte, 4 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceDP = *+Ødata	Dimension (mm)						291*	909*	A32*
	D	l1	l2	L	d2 (h6)	R	G6110	B0819	B0909
0200 100 0600 030	2	4	60	100	6	0.3	●	●	●
0300 100 0600 030	3	5	60	100	6	0.3	●	●	●
0300 100 0600 050	3	5	60	100	6	0.5	●	●	●
0400 100 0600 030	4	8	60	100	6	0.3	●	●	●
0400 100 0600 050	4	8	60	100	6	0.5	●	●	●
0500 100 0600 030	5	9	60	100	6	0.3	●	●	●
0500 100 0600 050	5	9	60	100	6	0.5	●	●	●
0600 100 0600 030	6	10	60	100	6	0.3	●	●	●
0600 100 0600 050	6	10	60	100	6	0.5	●	●	●
0600 100 0600 100	6	10	60	100	6	1	●	●	●
0800 100 0800 030	8	12	60	100	8	0.3	●	●	●
0800 100 0800 050	8	12	60	100	8	0.5	●	●	●
0800 100 0800 100	8	12	60	100	8	1	●	●	●
1000 125 1000 050	10	14	85	125	10	0.5	●	●	●
1000 125 1000 100	10	14	85	125	10	1	●	●	●
1000 125 1000 200	10	14	85	125	10	2	●	●	●
1200 150 1200 050	12	16	110	150	12	0.5	●	●	●
1200 150 1200 100	12	16	110	150	12	1	●	●	●
1200 150 1200 200	12	16	110	150	12	2	●	●	●
1600 150 1600 050	16	22	110	150	16	0.5	●	●	●
1600 150 1600 100	16	22	110	150	16	1	●	●	●
1600 150 1600 200	16	22	110	150	16	2	●	●	●
1600 150 1600 300	16	22	110	150	16	3	●	●	●

292* B33* A33*

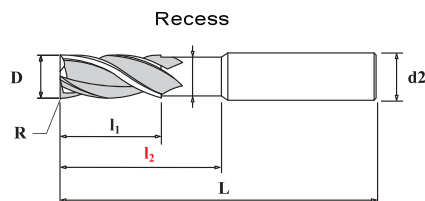
United Kingdom Tools with recess upon request

Germany Fräser mit Freistellung auf Bestellung

France Outils avec dégagement sur demande

Italy Utensilli con riduzione gambo su richiesta

China 密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material Cutting Parameter

576

240



SE 45 MULTIFLUTE ENDMILLS

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

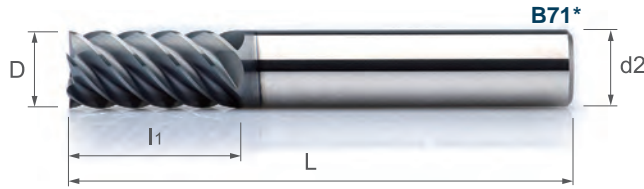
United Kingdom Solid Carbide SE 45 Multiflute Endmills, 6 respectively 8 Flutes

France Fraises 2 tailles Multident SE 45 en carbure monobloc, 6 respectivement 8 dents

China 整体硬质合金 SE 45 系列 密齿 立铣刀 6 - 8 刃 - 标准长度

Germany VHM Mehrzahnfräser SE 45 - 6 bzw. 8 Zähne

Italy Frese multi-taglienti SE 45 in metallo duro integrale, 6 rispettivamente 8 taglienti



VHM
3°
λ = 50°
G6110
B0819
B0909
HPT
HPT
HSC
DIN 6535
HA
HB
HE

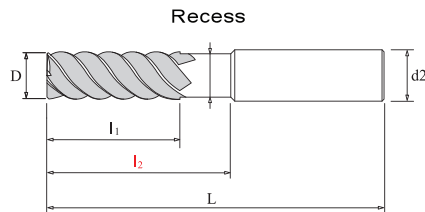
EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					d2 (h6)	125*	B71*	A89*
	D	I1	I2	L	G6110		B0819	B0909	
0300 050 06	3	8	20	50	6	●	●	●	
0400 050 06	4	11	20	50	6	●	●	●	
0500 050 06	5	13	20	50	6	●	●	●	
0600 050	6	15	20	50	6	●	●	●	
0600 060	6	20	30	60	6	●	●	●	
0800	8	20	30	64	8	●	●	●	
1000	10	22	32	70	10	●	●	●	
1200	12	25	37	75	12	●	●	●	
1400	14	30	44	90	14	●	●	●	



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					d2 (h6)	125*	B71*	A89*
	D	I1	I2	L	G6110		B0819	B0909	
1600	16	30	46	90	16	●	●	●	
1800	18	35	53	100	18	●	●	●	
2000	20	38	58	100	20	●	●	●	

365* C14* A94*

- United Kingdom Tools with **recess** upon request
- Germany Fräser mit **Freistellung** auf Bestellung
- France Outils avec **dégagement** sur demande
- Italy Utensilli con **riduzione gambo** su richiesta
- China 密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material Cutting Parameter

576

242

MODIFICHE TECNICHE POSSIBILI SENZA PREAVVISO

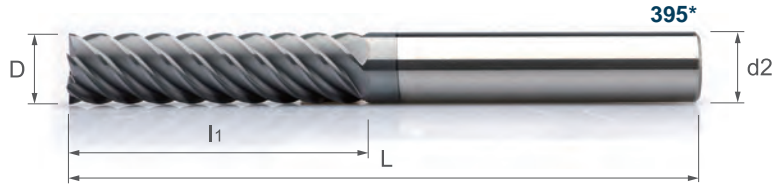


SE 45 MULTIFLUTE ENDMILLS - LONG

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

- Solid Carbide SE 45 Long Multiflute Endmills, 6 respectively 8 Flutes
- Fraises 2 tailles Multidentés SE 45 longues en carbure monobloc, 6 respectivement 8 dents
- 整体硬质合金 SE 45 系列 密齿 立铣刀 6 - 8 刃 - 中长

- VHM lange Mehrzahnfräser SE 45 - 6 bzw. 8 Zähne
- Frese multi-taglienti SE 45 lunghe in metallo duro integrale, 6 rispettivamente 8 taglienti



				G6110	B0819	B0909	
VHM		3°	λ = 50°	HPT	HPT	HSC	

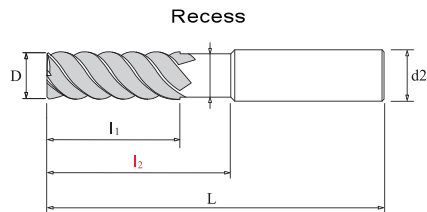
EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					395*		
	D	I1	I2	L	d2 (h6)	G6110	B0819	A90*
0300 075 06	3	19	30	75	6	●	●	●
0400 075 06	4	19	32	75	6	●	●	●
0500 075 06	5	19	32	75	6	●	●	●
0600	6	31	40	75	6	●	●	●
0800	8	31	40	75	8	●	●	●
1000	10	45	60	100	10	●	●	●
1200	12	50	60	100	12	●	●	●
1400	14	57	85	125	14	●	●	●



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					395*		
	D	I1	I2	L	d2 (h6)	G6110	B0819	A90*
1600	16	57	85	125	16	●	●	●
1800	18	57	85	125	18	●	●	●
2000	20	57	85	125	20	●	●	●

397* C15* A95*

- Tools with **recess** upon request
- Fräser mit **Freistellung** auf Bestellung
- Outils avec **dégagement** sur demande
- Utensilli con **riduzione gambo** su richiesta
- 密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material Cutting Parameter

576

243

若有技术规格变更，恕不事先通知

SE 45 MULTIFLUTE ENDMILLS - EXTRA-LONG

≤ 1.300 N/mm² + B0819/B0909 ≤ 36 - 52 HRC

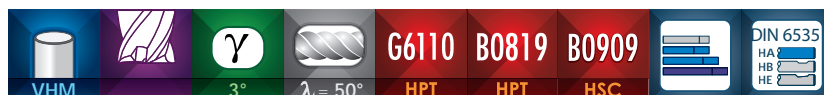
🇬🇧 Solid Carbide SE 45 Extra-Long Multiflute Endmills, 6 respectively 8 Flutes

🇫🇷 Fraises 2 tailles Multidentés SE 45 extra-longues en carbure monobloc, 6 respectivement 8 dents

🇨🇳 整体硬质合金 SE 45 系列 密齿 立铣刀 6 - 8 刃 - 加长

🇩🇪 VHM extra-lange Mehrzahnfräser SE 45 - 6 bzw. 8 Zähne

🇮🇹 Frese multi-taglienti SE 45 extra-lunghe in metallo duro integrale, 6 rispettivamente 8 taglienti



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					d2 (h6)	431*	B78*	A91*
	D	I1	I2	L	G6110		B0819	B0909	
0300 100 06	3	25	60	100	6	●	●	●	
0400 100 06	4	31	60	100	6	●	●	●	
0500 100 06	5	31	60	100	6	●	●	●	
0600	6	38	60	100	6	●	●	●	
0800	8	41	60	100	8	●	●	●	
1000	10	57	85	125	10	●	●	●	
1200	12	75	110	150	12	●	●	●	
1400	14	75	110	150	14	●	●	●	

EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)					d2 (h6)	431*	B78*	A91*
	D	I1	I2	L	G6110		B0819	B0909	
1600	16	75	110	150	16	●	●	●	
1800	18	75	110	150	18	●	●	●	
2000	20	75	110	150	20	●	●	●	

433* C16* A96*

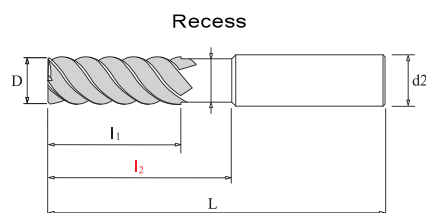
🇬🇧 Tools with recess upon request

🇩🇪 Fräser mit Freistellung auf Bestellung

🇫🇷 Outils avec dégagement sur demande

🇮🇹 Utensilli con riduzione gambo su richiesta

🇨🇳 密齿 立铣刀 带颈位 特别要求



Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material Cutting Parameter

576

244

SE 45 RF ROUGHING - FINISHING ENDMILLS

≤ 1.300 N/mm² + B0819 ≤ 36 - 52 HRC

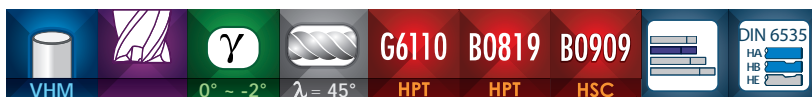
🇬🇧 Solid Carbide SE 45 RF Roughing and Finishing Endmills 4 Flutes

🇫🇷 Fraises ébauches et finitions 2 tailles SE 45 RF en carbure monobloc, 4 dents, queue Weldon

🇨🇳 整体硬质合金 SE 45 RF 系列 粗皮 立铣刀 4刃 - 标准长度, 柄部标准 DIN 6535HB

🇩🇪 VHM SE 45 RF Schlicht- Schruppfräser, 4 Zähne, Weldon Schaft

🇮🇹 Frese per sgrossare e finitura SE 45 RF in metallo duro integrale, 4 taglienti, codolo Weldon



EDPNo./EDV-Nr./ CODEusine/CodiceEDP = *+Ødata	Dimension (mm)							994*	840*	A82*
	D	L1	L2	L	d2 (h6)	C	G6110	B0819	B0909	
0600	6	14	20	66	6	0.2	●	●	●	
0800	8	18	26	66	8	0.2	●	●	●	
1000	10	22	32	82	10	0.2	●	●	●	
1200	12	26	38	82	12	0.2	●	●	●	
1400	14	30	42	82	14	0.3	●	●	●	
1600	16	34	50	82	16	0.3	●	●	●	
1800	18	38	50	100	18	0.3	●	●	●	
2000	20	42	60	110	20	0.3	●	●	●	

Material group - Material-Gruppe - Groupe matière - Gruppo materiali - 材质主类

M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M18	M22	M25	M31	M16	M20	M17	M19	M21	M23	M24	M32
M26	M27	M28	M33	M01	M29	M30																			

Working Material | Cutting Parameter

576

236