

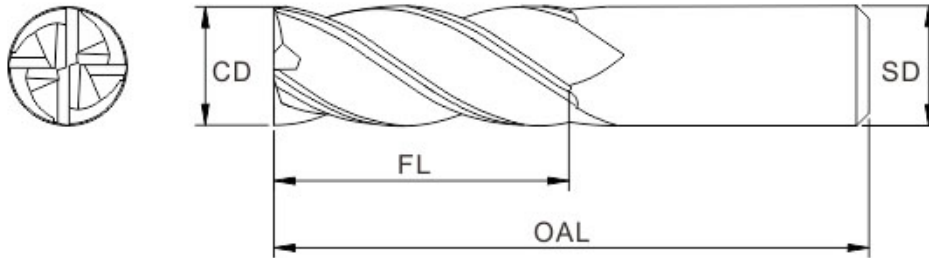
S-FIRE U2



CARBIDE, 4 FLUTE END MILLS

- Designed to machine high hardened materials.
- Suitable for dry & wet cutting high speed machine.
- Excellent workpiece finishing.
- Normal slotting is possible by reduced SPEED.
- Deep sharp edge to preventing the chipping in high speed machining.
- Strong wear-resistance. With S-FIRE coating technology double layers.

Helix angle	30° D Core
Coating	S-FIRE
Tolerance	Ø1~Ø6 ±0.015 Ø6~Ø8 ±0.030



4 Flute End Mills SFS44407 SERIES

STANDARD LENGTH SERIES

Model No.		Radius	Cutting Diameter	Flute Length	Shank Diameter	Over all Length	Effective Length	Neck Dia	Unit /Price
Code	EDP No.	R	CD mm	FL mm	SD mm	OAL mm	DL mm	ND mm	US\$
SFS44407	01034		1	3	3	39			
	01534		1,5	5	3	39			
	02034		2	7	3	39			
	02534		2,5	7	3	39			
	03034		3	10	3	39			
	04044		4	14	4	51			
	05054		5	16	5	51			
	06064		6	19	6	63			
	08084		8	21	8	63			
	10044		10	22	10	75			
12044		12	25	12	75				

4 Flute End Mills SFL44409 SERIES

LONG CUTTING LENGTH SERIES

Model No.		Radius	Cutting Diameter	Flute Length	Shank Diameter	Over all Length	Effective Length	Neck Dia	Unit /Price
Code	EDP No.	R	CD mm	FL mm	SD mm	OAL mm	DL mm	ND mm	US\$
SFL44409	030341		3	15	3	100			
	040441		4	20	4	100			
	050541		5	25	5	100			
	060641		6	30	6	100			
	080841		8	35	8	100			
	100441		10	40	10	100			
	120441		12	50	12	100			
	160441		16	60	16	100			

All above characteristics of S-FIRE coating technology available

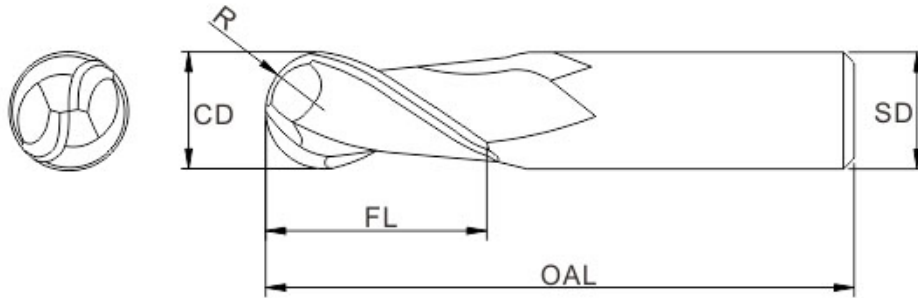
⊙ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels HRC 40~45 HRC 52~62	High Hardened Steels HRC 62~70	Copper	Graphite	Cast Iron	Aluminume
		○	○	⊙	○			

CARBIDE, 2 FLUTE BALLNOSE END MILLS

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Helix angle 30° D Core
Coating S-FIRE
Tolerance Ø1-Ø6 ±0.015
 Ø6-Ø8 ±0.030



2 Flute Ballnose End Mills SFB2220 SERIES

STANDARD LENGTH SERIES

Model No.		Radius	Cutting Diameter	Flute Length	Shank Diameter	Over all Length	Effective Length	Neck Dia	Unit /Price
Code	EDP No.	R	CD mm	FL mm	SD mm	OAL mm	DL mm	ND mm	US\$
SFB2220	01032	0,5	1	2	3	39			
	01532	0,75	1,5	3	3	39			
	02032	1,0	2	4	3	39			
	02532	1,25	2,5	6	3	39			
	03032	1,5	3	6	3	39			
	04042	2,0	4	8	4	51			
	05052	2,5	5	10	5	51			
	06062	3,0	6	12	6	63			
	08082	4,0	8	16	8	63			
	10042	5,0	10	20	10	75			
12042	6,0	12	24	12	75				

2 Flute Ballnose End Mills SFBL2903 SERIES

LONG CUTTING LENGTH SERIES

Model No.		Radius	Cutting Diameter	Flute Length	Shank Diameter	Over all Length	Effective Length	Neck Dia	Unit /Price
Code	EDP No.	R	CD mm	FL mm	SD mm	OAL mm	DL mm	ND mm	US\$
SFBL2903	030321	1,5	3	6	3	100			
	040421	2,0	4	8	4	100			
	050521	2,5	5	10	5	100			
	060621	3,0	6	12	6	100			
	080821	4,0	8	16	8	100			
	100421	5,0	10	20	10	100			
	120421	6,0	12	24	12	100			
	160421	8,0	16	32	16	100			

All above characteristics of S-FIRE coating technology available

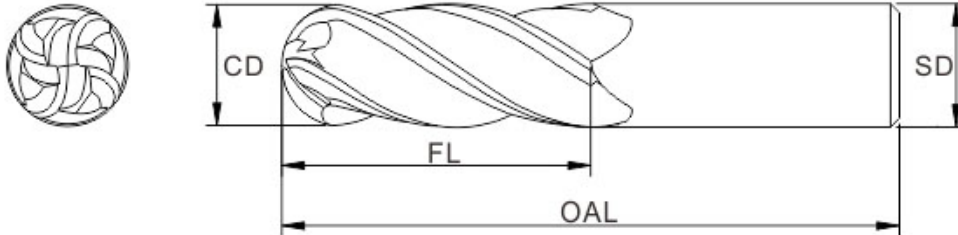
◎ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels HRC 40-45 HRC 52-62	High Hardened Steels HRC 62-70	Copper	Graphite	Cast Iron	Aluminum
		○	○	◎	○			

CARBIDE, 4 FLUTE BALLNOSE END MILLS

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- Excellent workpiece finishing.
- Normal slotting is possible by reduced SPEED.
- Deep sharp edge to preventing the chipping in high speed machining.
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Helix angle 30° D Core
Coating S-FIRE
Tolerance Ø1~Ø6 ±0.015
 Ø6~Ø8 ±0.030



4Flute Ballnose End Mills SFB2224 SERIES

STANDARD LENGTH SERIES

Model No.		Radius	Cutting Diameter	Flute Length	Shank Diameter	Over all Length	Effective Length	Neck Dia	Unit /Price
Code	EDP No.	R	CD mm	FL mm	SD mm	OAL mm	DL mm	ND mm	US\$
SFB2224	01034	0,5	1	3	3	39			
	01534	0,75	1,5	4	3	39			
	02034	1,0	2	7	3	39			
	02534	1,25	2,5	7	3	39			
	03034	1,5	3	10	3	39			
	04044	2,0	4	14	4	51			
	05054	2,5	5	15	5	51			
	06064	3,0	6	19	6	63			
	08084	4,0	8	21	8	63			
	10044	5,0	10	22	10	75			
12044	6,0	12	25	12	75				

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4Flute Ballnose End Mills SFBL2904 SERIES

LONG CUTTING LENGTH SERIES

Model No.		Radius	Cutting Diameter	Flute Length	Shank Diameter	Over all Length	Effective Length	Neck Dia	Unit /Price
Code	EDP No.	R	CD mm	FL mm	SD mm	OAL mm	DL mm	ND mm	US\$
SFBL2904	030341	1,5	3	15	3	100			
	040441	2,0	4	20	4	100			
	050541	2,5	5	25	5	100			
	060641	3,0	6	30	6	100			
	080841	4,0	8	35	8	100			
	100441	5,0	10	40	10	100			
	120441	6,0	12	45	12	100			
	160441	8,0	16	50	16	100			

All above characteristics of S-FIRE coating technology available

⊙ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels HRC 40~45 HRC 52~62	High Hardened Steels HRC 62~70	Copper	Graphite	Cast Iron	Aluminum
		○	○	⊙	○			