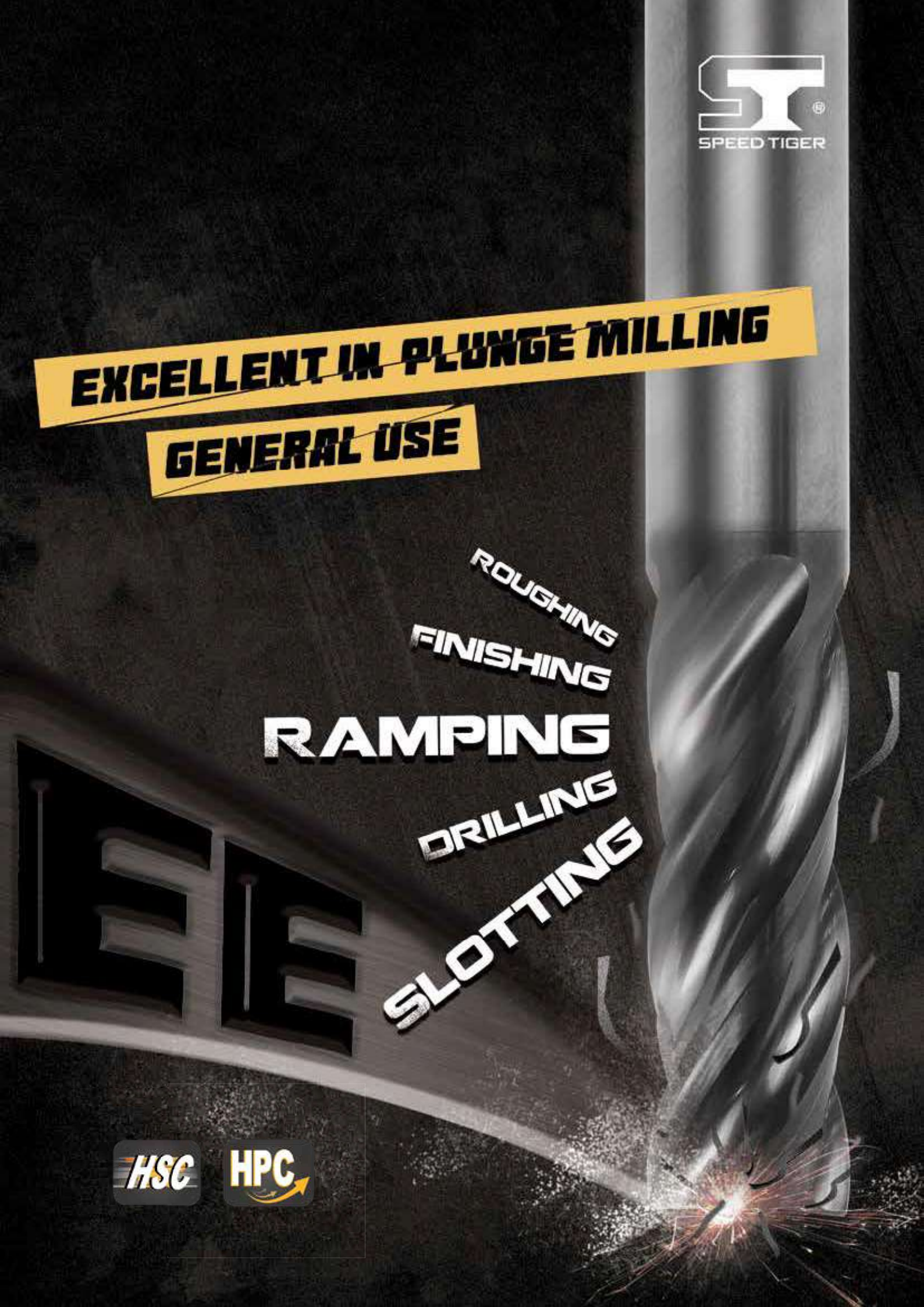

SPEED TIGER
EXCELLENT IN PLUNGE MILLING
GENERAL USE
ROUGHING
FINISHING
RAMPING
DRILLING
SLOTTING
EE
HSC
HPC

EE SERIES INDEX

Shape	Flute	Type	Mode	Photo	Coating	Spec.	Cutting Condition
Square	4	d x 1.5	EES		nACRo	37	149-150
Square	4	d x 2~2.5	EE		nACRo	38	149-150



What's special?

Drill-type Groove And Unequal Helix Angle

Drill-type groove and unequal helix angle design have excellent chip removal and anti-vibration effects for high-speed and high-efficiency machining.

Eccentric Relief Angle

The eccentric relief angle improves the strength of the cutting edge, the surface optimization of the cutting edge can stabilize high-efficiency feed and life.

Geometric Design

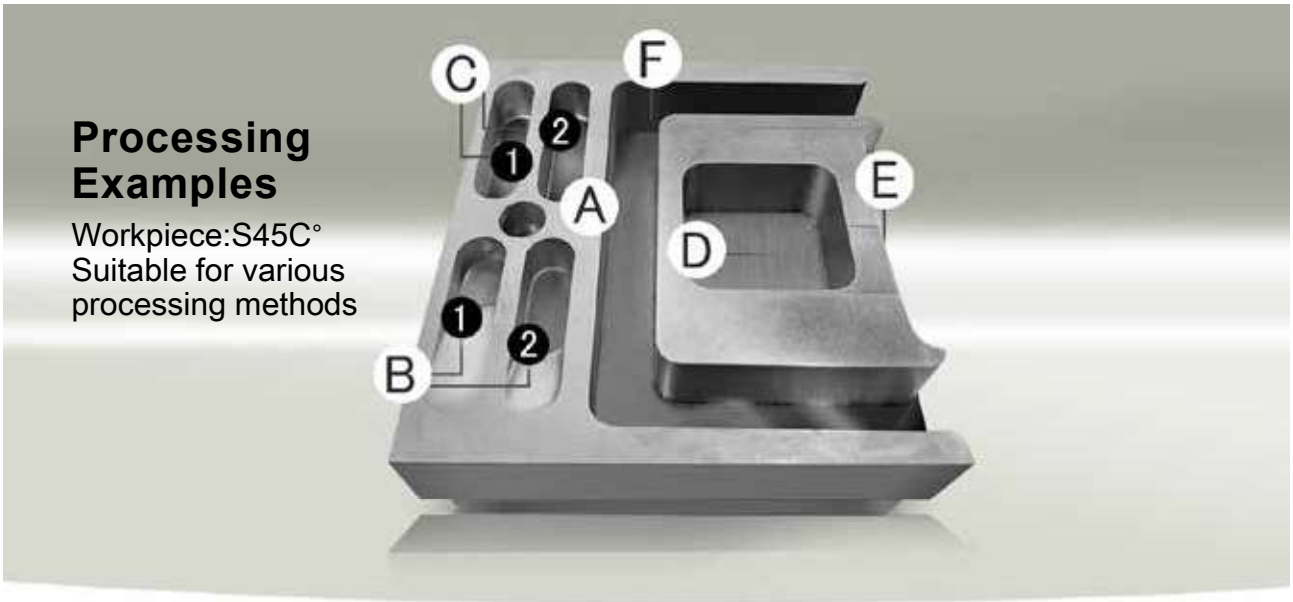
Large space for chip removal in the center of the end face and end teeth. Good geometric design can be used for drilling and milling.

Unequal Flute Spacing Design

Unequal flute spacing design can reduce the vibration and prolong life.

Processing Examples

Workpiece:S45C°
Suitable for various processing methods





A. Drilling

B1. Ramping 15°
B2. Ramping 30°

C1. Ramping 45°
C2. Plunging

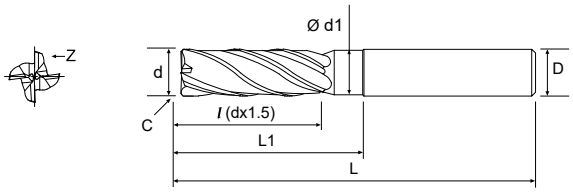
D. Slotting and Pocket

E. Trochoidal Milling

F. Grooving and Roughing

EES - d x 1.5

Cutting Condition P149-150





MODE	Diameter	Flute Length	Efficient Length	Neck Diameter	Shank Diameter	Chamfer	Full Length	Flute
	d	l	L1	d1	D	C	L	Z
EES0304	3	4.5	7.5	2.8	6	0.05	50	4
EES0354	3.5	5.3	8.8	3.3	6	0.05	50	4
EES0404	4	6.0	10.0	3.7	6	0.06	50	4
EES0454	4.5	6.8	11.3	4.2	6	0.07	50	4
EES0504	5	7.5	12.5	4.6	6	0.08	50	4
EES0554	5.5	8.3	13.8	5.1	6	0.08	50	4
EES0604	6	9.0	15.0	5.5	6	0.09	50	4
EES0654	6.5	9.8	16.3	6	8	0.10	60	4
EES0704	7	10.5	17.5	6.4	8	0.11	60	4
EES0754	7.5	11.3	18.8	6.9	8	0.11	60	4
EES0804	8	12.0	20.0	7.4	8	0.12	60	4
EES0854	8.5	12.8	21.3	7.9	10	0.13	75	4
EES0904	9	12.2	22.5	8.3	10	0.14	75	4
EES0954	9.5	14.3	23.8	8.8	10	0.14	75	4
EES1004	10	15.0	25.0	9.2	10	0.15	75	4
EES1204	12	18.0	30.0	11.2	12	0.18	75	4

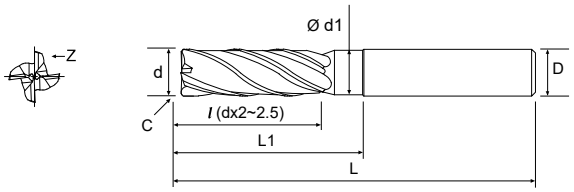
Application :

★ Perfect ◎ Excellent ○ Good

Coating	Carbon steel, Alloy steel	Pre-harden steel	High-hardened				Stainless steel	Titanium alloy	Nickel/Inconel alloy	Copper alloy	Aluminum alloy
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
nACRo	◎	◎	○				○				

EE - d x 2~2.5

Cutting Condition P149-150





MODE	Diameter	Flute Length	Efficient Length	Neck Diameter	Shank Diameter	Chamfer	Full Length	Flute
	d	*l*	L1	d1	D	C	L	Z
EE0304	3	7.0	10	2.8	6	0.05	50	4
EE0404	4	10.0	14	3.7	6	0.06	50	4
EE0504	5	12.0	17	4.6	6	0.08	50	4
EE0554	5.5	12.0	17	5.1	6	0.08	50	4
EE0604	6	13.0	20	5.5	6	0.09	50	4
EE0654	6.5	13.0	20	6	8	0.10	60	4
EE0704	7	16.0	23	6.4	8	0.11	60	4
EE0754	7.5	16.0	23	6.9	8	0.11	60	4
EE0804	8	19.0	25	7.4	8	0.12	60	4
EE0854	8.5	19.0	25	7.9	10	0.13	75	4
EE0904	9	21.0	28	8.3	10	0.14	75	4
EE0954	9.5	21.0	28	8.8	10	0.14	75	4
EE1004	10	22.0	30	9.2	10	0.15	75	4
EE1204	12	26.0	32	11.2	12	0.18	75	4

Application :

★ Perfect ◎ Excellent ○ Good

Coating	Carbon steel, Alloy steel	Pre-harden steel	High-hardened				Stainless steel	Titanium alloy	Nickel/Inconel alloy	Copper alloy	Aluminum alloy
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
nACRo	◎	◎	○				○				

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