SPEED TIGER



DE

GOOD IN PROFILING

MULTI-FUNCTIONING

DE SERIES

INDEX

Shape	Flute	Type	Mode	Photo	Coating	Spec.	Cutting Condition
Square	4	d x 2.5	DE		nACRo	42	147
Square	4	d x 3	DEL		TiSiN	43	147
Square	4	d x 4.5	DEVL		ZrN-A	44	147

DE SERIES

Characteristics

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

An unique helical geometry design. Improve the traditional on tools which have poor cutting.

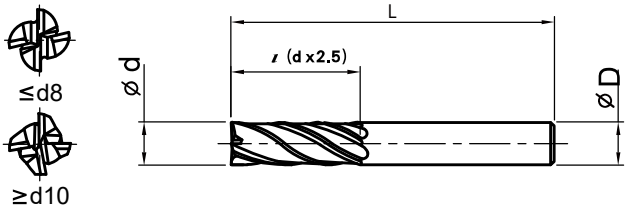


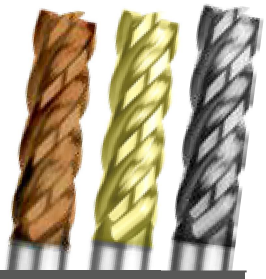
40 degree of helix angle can be used as rough machining and finish machining as well as performed excellent on processing.

The eccentric type relief angle can increase the strength of the blade and stabilize the high efficiency feed and life.

DE - d x 2.5

Cutting Condition P147





MODE	Diameter	Flute Length	Full Length	Shank Diameter	Flute	Coating		
	d	ℓ	L	D	Z	TiSiN	ZrN-A	nACRo
DE0104	1	2.5	50	4	4	.02	.03	.08
DE0154	1.5	3.8	50	4	4	.02	.03	.08
DE0204	2	5	50	4	4	.02	.03	.08
DE0304	3	7.5	50	4	4	.02	.03	.08
DE0404	4	10	50	4	4	.02	.03	.08
DE0504	5	12.5	50	6	4	.02	.03	.08
DE0604	6	15	50	6	4	.02	.03	.08
DE0804	8	20	60	8	4	.02	.03	.08
DE1004	10	25	75	10	4	.02	.03	.08
DE1204	12	30	75	12	4	.02	.03	.08
DE1604	16	40	100	16	4	.02	.03	.08
DE2004	20	50	100	20	4	.02	.03	.08

Application :

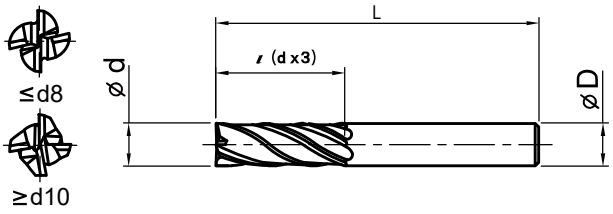
★ Perfect ◎ Excellent ○ Good

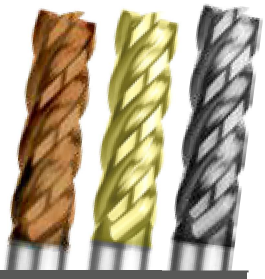
Coating	Carbon steel, Alloy steel	Pre-harden steel	High-hardened				Stainless steel	Titanium alloy	Nickel/Inconel alloy	Copper alloy	Aluminum alloy
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
nACRo	◎	◎	◎	○			◎				
TiSiN	○	○	◎	◎							
ZrN-A	◎	◎	○	○			◎				

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DEL - d x 3

Cutting Condition P147





MODE	Diameter	Flute Length	Full Length	Shank Diameter	Flute	Coating		
	d	ℓ	L	D	Z	TiSiN	ZrN-A	nACRo
DEL0404	4	12	50	4	4	.02	.03	.08
DEL0604	6	18	60	6	4	.02	.03	.08
DEL0804	8	24	75	8	4	.02	.03	.08
DEL1004	10	30	75	10	4	.02	.03	.08
DEL1204	12	36	100	12	4	.02	.03	.08
DEL1604	16	48	100	16	4	.02	.03	.08
DEL2004	20	60	150	20	4	.02	.03	.08

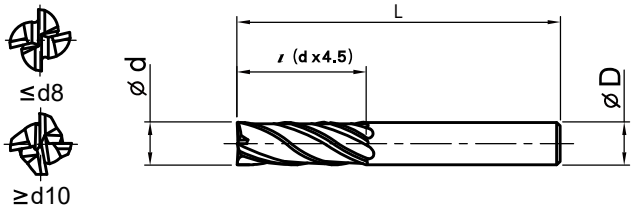
Application :

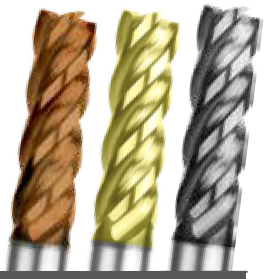
★ Perfect ◎ Excellent ○ Good

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	◎	◎	◎	○			◎				
TiSiN	○	○	◎	◎							
ZrN-A	◎	◎	○	○			◎				

DEVL - d x 4.5

Cutting Condition **P147**





MODE	Diameter	Flute Length	Full Length	Shank Diameter	Flute	Coating		
	d	ℓ	L	D	Z	TiSiN	ZrN-A	nACRo
DEVL0604	6	27	75	6	4	.02	.03	.08
DEVL0804	8	36	100	8	4	.02	.03	.08
DEVL1004	10	45	100	10	4	.02	.03	.08
DEVL1204	12	54	115	12	4	.02	.03	.08
DEVL1604	16	72	150	16	4	.02	.03	.08
DEVL2004	20	90	150	20	4	.02	.03	.08

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	◎	◎	◎	○			◎				
TiSiN	○	○	◎	◎							
ZrN-A	◎	◎	○	○			◎				

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