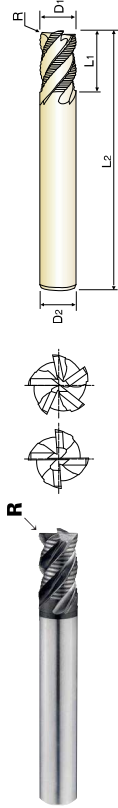




## CARBIDE, 4&5 FLUTE MULTIPLE HELIX LONG LENGTH CORNER RADIUS

- Unique flute design for excellent chip evacuation and vibration reduction.
- Optimal roughing tooth profile to reduce cutting forces.
- Special tool geometry for high feed rate and heavy cutting.
- Strong end tooth design for plunge and pocket milling.
- Custom engineered coating to allow long tool life and excellent chip evacuation.



### G9D76 / PLAIN SHANK



P13

MILL DIA. TOLERANCE (mm)	SHANK DIA. TOLERANCE
0--0.05	h6

Unit : mm

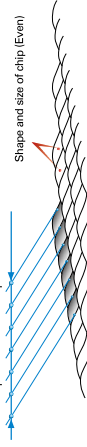
EDP NO.	CORNER RADIUS	MILL DIAMETER	SHANK DIAMETER	LENGTH OF CUT	OVERALL LENGTH	NO. OF FLUTE
PLAIN	R	D <sub>1</sub>	D <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>
G9D76060	R0.5	6.0	6	12	57	4
G9D76080	R0.5	8.0	8	16	63	4
G9D76100	R0.5	10.0	10	20	72	4
G9D76120	R0.5	12.0	12	24	83	4
G9D76160	R1.0	16.0	16	32	92	5
G9D76200	R1.0	20.0	20	40	104	5

► Flat shank is available on your request.

### CHIP THICKNESS AND SHAPE

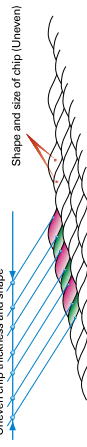
#### ► Conventional Roughing End Mills

Even chip thickness and shape



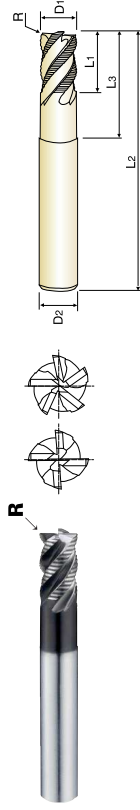
#### ► X-SPEED Rougher

Uneven chip thickness and shape



## CARBIDE, 4&5 FLUTE MULTIPLE HELIX LONG REACH CORNER RADIUS

- Unique flute design for excellent chip evacuation and vibration reduction.
- Optimal roughing tooth profile to reduce cutting forces.
- Special tool geometry for high feed rate and heavy cutting.
- Strong end tooth design for plunge and pocket milling.
- Custom engineered coating to allow long tool life and excellent chip evacuation.



### G9D77 / PLAIN SHANK



P13

MILL DIA. TOLERANCE (mm)	SHANK DIA. TOLERANCE
0--0.05	h6

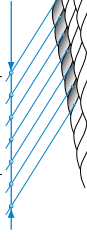
Unit : mm

EDP NO.	CORNER RADIUS	MILL DIAMETER	SHANK DIAMETER	LENGTH OF CUT	LENGTH BELOW SHANK	OVERALL LENGTH	NO. OF FLUTE
PLAIN	R	D <sub>1</sub>	D <sub>2</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	L <sub>4</sub>
G9D77060	R0.5	6.0	6	9	18	57	4
G9D77080	R0.5	8.0	8	12	24	63	4
G9D77100	R0.5	10.0	10	15	30	72	4
G9D77120	R0.5	12.0	12	18	36	83	4
G9D77160	R1.0	16.0	16	24	48	100	5
G9D77200	R1.0	20.0	20	30	60	110	5

### CHIP THICKNESS AND SHAPE

#### ► Conventional Roughing End Mills

Even chip thickness and shape



#### ► X-SPEED Rougher

Uneven chip thickness and shape

