NEW PRODUCT
SF-End Mill

KANEFUSA

NEW

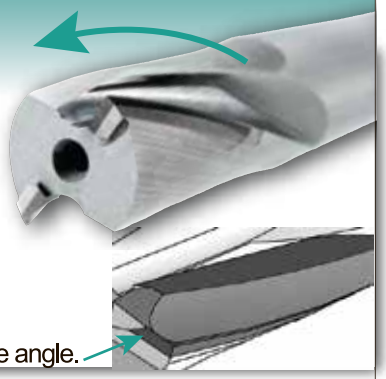
## PCD Helical End Mill
# SF-End Mill

Patent Pending

**Superior surface and longer tool life to compare to the carbide type.**

Our advanced design achieves longer and high helical edge with PCD.

The high helical edge improves surface roughness and processing accuracy.
PCD edge achieves longer tool life.



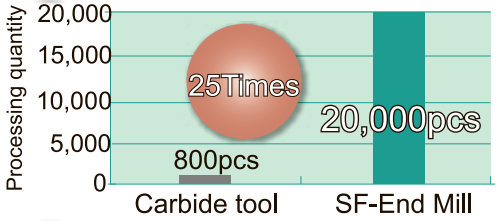
PCD edge implements a constant rake angle.

## Comparison

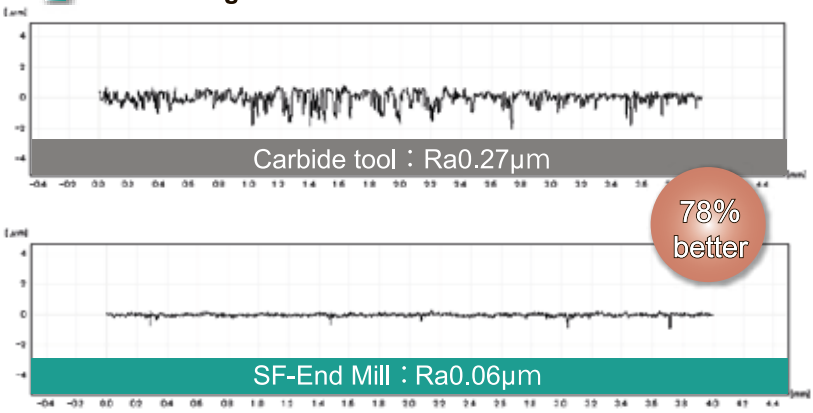
### Parameters

| | | | |
|---|---|---|---|
| Edge material | PCD | Specification | φ10×2z |
| Rotation speed | 9000 min-1 | Cutting speed | 283 m/min |
| Feeding speed | 1.8 m/min | Depth ap | 10 mm |
| Width ae | 0.5 mm | Cutting Material | ADC12 |
| Cutting process | Down cut | Lubrication | Yes |

### Tool life




### Surface roughness




### ADC12's Surface



## Standatd size

### Helix angle10°

| Model No | Edge diameter | Full-length | Cutting length | Number of Edge |
|---|---|---|---|---|
| ESF0615-2R | 6 | 70 | 15 | 2 |
| ESF0820-2R | 8 | 80 | 20 | |
| ESF1025-2R | 10 | 90 | 25 | |
| ESF1230-2R | 12 | 100 | 30 | |
| ESF1640-2R | 16 | 120 | 40 | |

### Helix angle 20°

| Model No | Edge diameter | Full-length | Cutting length | Number of Edge |
|---|---|---|---|---|
| ESF0607-2H | 6 | 70 | 7 | 2 |
| ESF0810-2H | 8 | 80 | 10 | |
| ESF1012-2H | 10 | 90 | 12 | |
| ESF1215-2H | 12 | 100 | 15 | |
| ESF1620-2H | 16 | 120 | 20 | |

* Due to the improvement and technical change purposes, there may be a change without notice.

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