

CoroMill® Plura composite Assortment and application



Composite machining

Machining composite materials is a battle of unpredictable forces, heat sensitivity and rapid tool wear. For successful machining, sharp and controlled cutting is required to avoid delamination and vibration.

CoroMill® Plura composite offers a range of tools optimized for these challenging materials. Grades are specialized for each application area and optimized for long tool life and high productivity.

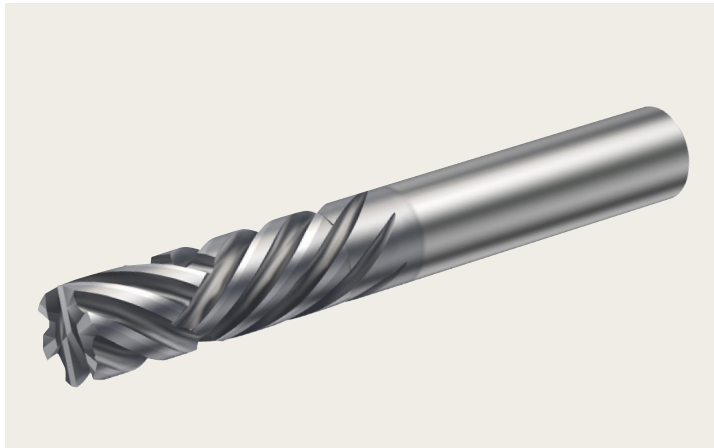


CoroMill® Plura composite portfolio



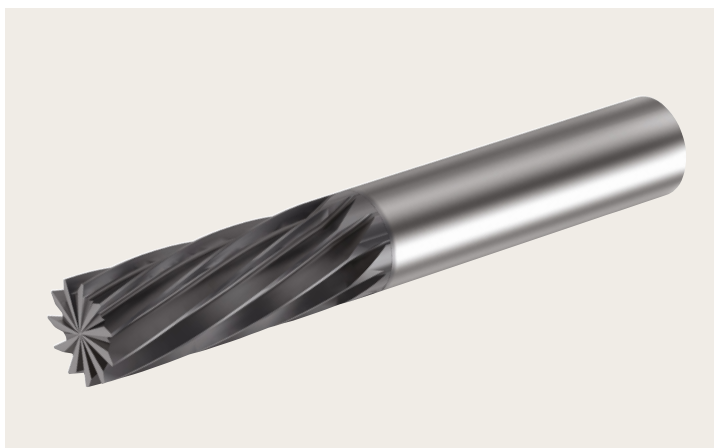
CoroMill® Plura composite 2P350 Serrated router

- Ideal when high material removal is required
- The patented geometry has dual cutting action, reducing delamination, vibration and sound
- Designed as a one-pass solution for various operations such as slotting, ramping and edging



CoroMill® Plura composite 2P460 Compression router

- Ideal for woven glass layers on both sides of the component
- Optimal for thicker materials, overlap between compressed flutes reduces material vibrations
- Material thickness variations may limit machining due to the optimal flute overlap working area



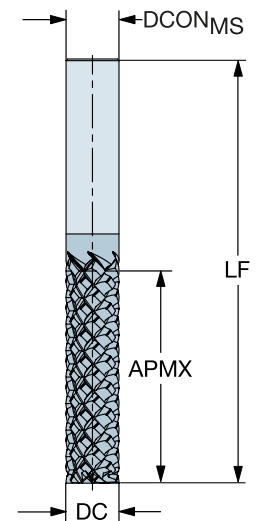
CoroMill® Plura composite 2P050/051 Low-helix router

- Ideal for smooth and burr-free finishing passes in composites and CFRPs
- Right/left (2P050/2P051) helix options provide flexibility where fixture stability is critical
- High number of flutes enables high feed cutting

CoroMill® Plura composite 2P350

Serrated router

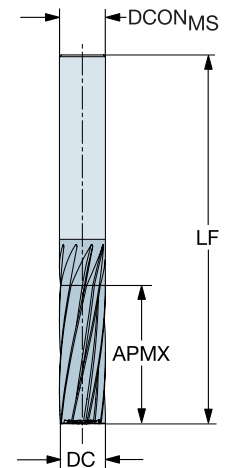
Code	Grade	DC/DCON	APMX	LU	LF	ZEFP	RMPX
2P350-0600-OA	O12M/O2AD	6	18.0	18.0	60.0	5	30
2P350-0635-OA	O12M/O2AD	6.35	19.1	19.1	63.5	5	30
2P350-0794-OA	O12M/O2AD	7.9375	19.1	19.1	63.5	6	30
2P350-0800-OA	O12M/O2AD	8	20.0	20.0	70.0	6	30
2P350-0953-OA	O12M/O2AD	9.525	28.5	28.5	76.2	6	30
2P350-1000-OA	O12M/O2AD	10	30.0	30.0	80.0	6	30
2P350-1200-OA	O12M/O2AD	12	31.8	31.8	82.5	6	30
2P350-1270-OA	O12M/O2AD	12.7	31.8	31.8	82.5	6	30
2P350-1600-OA	O12M/O2AD	16	48.0	48.0	108.0	8	30



CoroMill® Plura composite 2P050

Low-helix router, right-hand

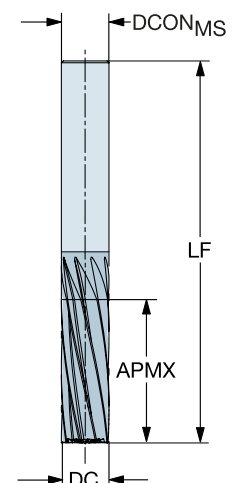
Code	Grade	DC/DCON	APMX	LU	LF	ZEFP	RMPX
2P050-0400-OA	O10A	4.0	12.0	12.0	40.0	5	5
2P050-0600-OA	O10A	6.0	18.0	18.0	60.0	7	5
2P050-0635-OA	O10A	6.35	19.1	19.1	63.5	7	5
2P050-0794-OA	O10A	7.9375	19.1	19.1	63.5	7	5
2P050-0800-OA	O10A	8.0	20.0	20.0	70.0	9	5
2P050-0953-OA	O10A	9.525	28.5	28.5	76.2	9	5
2P050-1000-OA	O10A	10.0	30.0	30.0	80.0	9	5
2P050-1200-OA	O10A	12.0	31.8	31.8	82.5	11	5
2P050-1270-OA	O10A	12.7	31.8	31.8	82.5	11	5



CoroMill® Plura composite 2P051

Low-helix router, left-hand

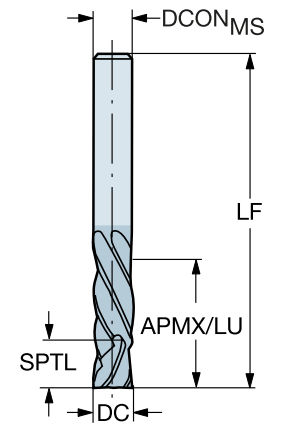
Code	Grade	DC/DCON	APMX	LU	LF	ZEFP	RMPX
2P051-0400-OA	O10A	4.0	12.0	12.0	40.0	5	5
2P051-0600-OA	O10A	6.0	18.0	18.0	60.0	7	5
2P051-0635-OA	O10A	6.35	19.1	19.1	63.5	7	5
2P051-0794-OA	O10A	7.9375	19.1	19.1	63.5	7	5
2P051-0800-OA	O10A	8.0	20.0	20.0	70.0	9	5
2P051-0953-OA	O10A	9.525	28.5	28.5	76.2	9	5
2P051-1000-OA	O10A	10.0	30.0	30.0	80.0	9	5
2P051-1200-OA	O10A	12.0	31.8	31.8	82.5	11	5
2P051-1270-OA	O10A	12.7	31.8	31.8	82.5	11	5



CoroMill® Plura composite 2P460

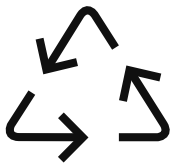
Compression router

Code	Grade	DC/DCON	APMX	LU	LF	ZEFP	RMPX	SPTL
2P460-0600-OA	O10M	6	18.0	18.0	60.0	6	5	5.0
2P460-0635-OA	O10M	6.35	19.1	19.1	63.5	6	5	5.0
2P460-0794-OA	O10M	7.9375	19.1	19.1	63.5	6	5	5.0
2P460-0800-OA	O10M	8	20.0	20.0	70.0	6	5	5.0
2P460-0953-OA	O10M	9.525	28.5	28.5	76.2	6	5	5.0
2P460-1000-OA	O10M	10	30.0	30.0	80.0	6	5	5.0
2P460-1200-OA	O10M	12	31.8	31.8	82.5	6	5	10.0
2P460-1270-OA	O10M	12.7	31.8	31.8	82.5	6	5	10.0
2P460-1588-OA	O10M	15.875	38.1	38.1	101.6	6	5	10.0
2P460-1600-OA	O10M	16.0	38.1	38.1	100.0	6	5	10.0

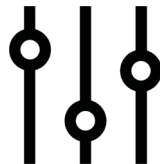


Parameter	Definition
DC	Cutting diameter
DCON	Connection diameter
APMX	Maximum depth of cut
LU	Usable length
LF	Functional length
ZEFP	Peripheral effective cutting edge count
RMPX	Maximum ramping angle
SPTL	Length where flute helix hand changes direction

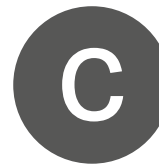
Service offer



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