






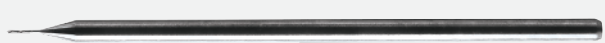









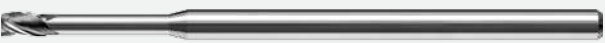





TOOL SELECTION & APPLICATION GUIDE

TOOL TYPE	REF. PAGE	SERIES	FEATURES	SHAPE (Not Actual Tool Size)	NO. OF FLUTES	CUTTING DIAMETER RANGE
DRILLS	18 19	080 / 081	1/8" & 3.00mm Shank Micro Spotting Drill		2	0.0050" - 0.1250" 0.15mm - 3.00mm
	20	105	1/8" Shank Micro Drill		2	0.0040" - 0.1250"
	26	155	1/8" Shank Inverse Diameter Micro Drill		2	0.1260" - 0.2638"
	30 31	160 / 165	Inch & Metric Shank ORION Drills (Match with Series 860 / 865)		2	0.1250" - 0.5000" 3.00mm - 12.00mm
	35	226	3.00mm Shank Micro Drill		2	0.04mm - 3.00mm
	48	226L	3.00mm Shank Left Hand Micro Drill		2	0.04mm - 3.00mm
	55	390	1/8" Shank Ultra Precision Micro Drill Macor® / Vespel® Drilling		2	0.0015" - 0.0040"
	56	392	1.00mm Shank Ultra Precision Micro Drill Fuel Injector Nozzle Drill		2	0.12mm - 0.60mm
	57	813	3.00mm - 4.0mm Shank Coolant Fed Micro Drill Deep Hole Drilling Priority		2	1.50mm - 4.00mm
	61 62	860 / 865	Inch & Metric Shank HYDROS Coolant Fed Deep Drill (Match with Series 160 / 165)		2	0.1250" - 0.5000" 3.00mm - 12.00mm
	66	885	3.00mm Shank Micro Drill for Brass		1	0.30mm - 2.00mm
SQUARE END MILLS	69	1610	Standard Length 2 Flute for General Purpose Machining		2	0.0040" - 0.3750" 0.10mm - 6.00mm
	73	1620	Stub Length 2 Flute for General Purpose Machining		2	0.0040" - 0.2500" 0.10mm - 6.00mm
	77	1640	Extended Reach 2 Flute for Deep Reach Milling		2	0.0100" - 0.1250" 0.40mm - 6.00mm
	80	TITAN-AX TITAN-AXM	Reinforced Shank Square End for Tough Machining Applications		3	0.0312" - 0.2500" 1.00mm - 8.00mm
	82	1710	Standard Length 3 Flute for General Purpose Machining		3	0.0100" - 0.1250"
	84	1740	Extended Reach 3 Flute for Deep Reach Milling		3	0.0100" - 0.2500"
	86	1742	Extended Reach Stub Length for Deep Reach Milling		3	0.0100" - 0.2500"
	91	1810	Standard Length 4 Flute for General Purpose Machining		4	0.0050" - 0.2500" 0.10mm - 6.00mm
	95	1820	Stub Length 4 Flute for General Purpose Machining		4	0.0050" - 0.2500" 0.10mm - 6.00mm
98	1840	Extended Reach 4 Flute for Deep Reach Milling		4	0.0100" - 0.1250" 0.40mm - 6.00mm	