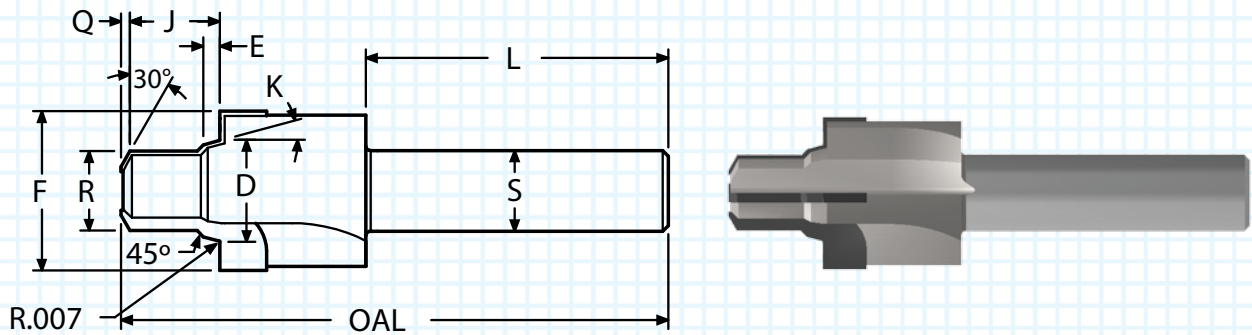


# ISO6149-1 (SAEJ2244-1) METRIC PORT TOOL WITH LARGE SPOTFACE - CARBIDE TIPPED



- Metric port without identification notch
- Polished flute face for optimum performance
- Precision ground for maximum concentricity
- ALTiN+ coating extends tool life

K (deg)	D (mm)	E (mm)	F (mm)	R (mm)	J (mm)	Q (inch)	L (inch)	S (inch)	OAL (inch)	FLUTES	THREAD	ORDER #	
												UNCOATED	ALTiN+
12°	9.15	1.8	17.1	7.0	11.6	0.032	1.75	0.500	3.00	3	M8X1	6149-M8X1-F17	6149-M8X1-F17A
12°	11.15	1.8	20.1	9.0	11.6	0.045	1.75	0.500	3.00	3	M10X1	6149-M10X1-F20	6149-M10X1-F20A
15°	13.85	2.6	23.1	10.5	14.1	0.045	1.88	0.500	3.12	3	M12X1.5	6149-M12X1.5-F23	6149-M12X1.5-F23A
15°	15.85	2.6	25.1	12.5	14.1	0.055	1.88	0.500	3.38	4	M14X1.5	6149-M14X1.5-F25	6149-M14X1.5-F25A
15°	17.85	2.6	28.1	14.5	15.6	0.060	1.88	0.500	3.38	4	M16X1.5	6149-M16X1.5-F28	6149-M16X1.5-F28A
15°	19.85	2.6	30.1	16.5	17.1	0.070	2.12	0.750	3.70	4	M18X1.5	6149-M18X1.5-F30	6149-M18X1.5-F30A
15°	21.85	2.6	32.1	18.5	17.5	0.080	2.12	0.750	3.75	4	M20X1.5	6149-M20X1.5-F32	6149-M20X1.5-F32A
15°	23.85	2.6	34.1	20.5	18.1	0.080	2.12	0.750	3.80	4	M22X1.5	6149-M22X1.5-F34	6149-M22X1.5-F34A
15°	29.45	3.3	40.1	25.0	22.1	0.080	2.12	0.750	3.94	4	M27X2.0	6149-M27X2.0-F40	6149-M27X2.0-F40A
15°	35.45	3.3	49.1	31.0	22.1	0.090	2.25	1.000	4.25	4	M33X2.0	6149-M33X2.0-F49	6149-M33X2.0-F49A

Thread mills available. See pages 25-31.

Larger sizes are available upon request. It will be quoted as a special order.