

# SAE PORT CONTOUR CUTTERS INTERNAL STRAIGHT THREAD O-RING BOSS

CARBIDE TIPPED  
EXTRA LONG REAMER  
TAPER SHANK

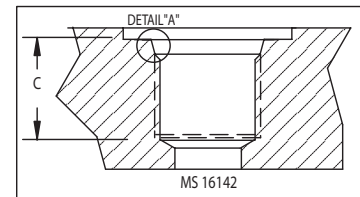
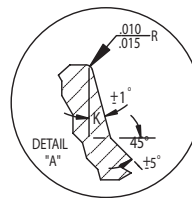
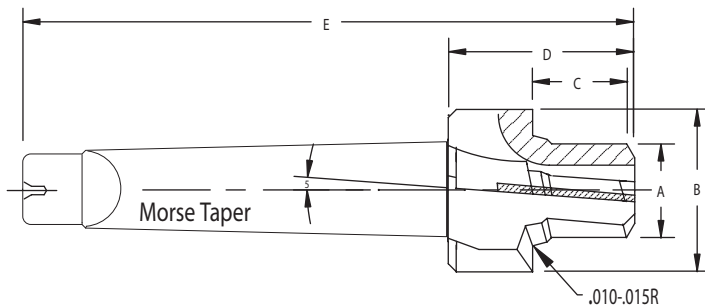
**MS16142/J514/J1926**



Reamer pilot series porting tools profile the MS16142/J514F/J1926 contour. The reamer pilot also sizes the minor diameter per class 2B thread specification. Cutters are heat treated for toughness and durability. All tolerances are held within applicable Mil Specs. All grinding is done between centers to insure concentricity.

### COATINGS AVAILABLE

TITANIUM NITRIDE-TIN  
TITANIUM CARBONITRIDE-TICN  
TITANIUM ALUMINUM NITRIDE-TIALN  
AL TITANIUM NITRIDE-ALTN



### COOLANT THRU AVAILABLE

TOOL NUMBER	TUBE NO.	TUBE SIZE	THREAD SIZE	A REAMER DIA.	B SPOTFACE DIA.	C REAMER LENGTH	D HEAD LENGTH	E OAL LENGTH	K ANGLE	SHANK DIMENSIONS	
										MORSE TAPER NO.	SHANK LENGTH
TSAE-02TL	2	1/8	5/16-24	.272	.682	.580	1-3/4	4-7/8	12	2MT	3-1/8
TSAE-03TL	3	3/16	3/8-24	.335	.760	.580	1-3/4	4-7/8	12	2MT	3-1/8
TSAE-04TL	4	1/4	7/16-20	.389	.838	.690	1-3/4	4-7/8	12	2MT	3-1/8
TSAE-05TL	5	5/16	1/2-20	.452	.916	.690	1-3/4	4-7/8	12	2MT	3-1/8
TSAE-06TL	6	3/8	9/16-18	.509	.979	.750	1-3/4	4-7/8	12	2MT	3-1/8
TSAE-08TL	8	1/2	3/4-16	.689	1.198	.840	2-0	5-7/8	15	3MT	3-7/8
TSAE-10TL	10	5/8	7/8-14	.806	1.354	.970	2-0	5-7/8	15	3MT	3-7/8
TSAE-12TL	12	3/4	1-1/16-12	.981	1.635	1.125	2-1/4	6-1/8	15	3MT	3-7/8
TSAE-14TL	14	7/8	1-3/16-12	1.106	1.775	1.125	2-1/4	6-1/8	15	3MT	3-7/8
TSAE-16TL	16	1"	1-5/16-12	1.231	1.920	1.125	2-1/4	6-1/8	15	3MT	3-7/8
TSAE-20TL	20	1-1/4	1-5/8-12	1.544	2.280	1.125	2-1/2	7-3/8	15	4MT	4-7/8
TSAE-24TL	24	1-1/2	1-7/8-12	1.794	2.570	1.125	2-1/2	7-3/8	15	4MT	4-7/8
TSAE-32TL	32	2	2-1/2-12	2.419	3.490	1.125	2-1/2	7-3/8	15	4MT	4-7/8

