



TOLERANCE  
+0-0.03 0.5" TO 1"  
+0-0.06 1" TO 3"

THREAD SIZE	P nominal	H max.	Flats max.	RECOM. CLEAR. HOLE		DEPTH		TYPICAL CLEARANCE HOLE DETAIL
				min.	max.	min.	max.	
1/4-28 UNF-2A	0.508	0.163	0.440	0.265	0.269	0.100	0.150	
1/4-20 UNC-2A	0.508	0.163	0.440	0.265	0.269	0.100	0.150	
5/16-24 UNF-2A	0.580	0.211	0.502	0.332	0.336	0.110	0.160	
5/16-18 UNC-2A	0.580	0.211	0.502	0.332	0.336	0.110	0.160	
3/8-24 UNF-2A	0.652	0.243	0.565	0.395	0.399	0.120	0.160	
3/8-16 UNC-2A	0.652	0.243	0.565	0.395	0.399	0.120	0.190	
7/16-20 UNF-2A	0.724	0.291	0.627	0.467	0.471	0.140	0.190	
7/16-14 UNC-2A	0.724	0.291	0.627	0.467	0.471	0.140	0.210	
1/2-20 UNF-2A	0.868	0.323	0.752	0.530	0.534	0.150	0.210	
1/2-13 UNF-2A	0.868	0.323	0.752	0.530	0.534	0.150	0.230	
9/16-18 UNF-2A	0.939	0.359	0.813	0.592	0.596	0.180	0.230	
5/8-18 UNF-2A	1.085	0.403	0.940	0.660	0.665	0.180	0.230	
5/8-11 UNC-2A	1.085	0.403	0.940	0.660	0.665	0.180	0.270	
3/4-16 UNF-2A	0.652	0.243	0.565	0.785	0.790	0.200	0.270	
3/4-10 UNC-2A	1.301	0.483	1.127	0.785	0.790	0.200	0.300	
1-8 UNC-2A	1.732	0.609	1.500	1.080	1.142	0.250	0.380	
1-1/4-7 UNC-2A	2.165	0.781	1.875	1.312	1.375	0.290	0.430	

NOTES:  
1. ALL DIMENSIONS IN INCHES  
2. TOLERANCE: PER ASME/ANSI B18.2.1

**STANDARD SPECIFICATIONS & COMMON OPTIONS (HOW TO ORDER)**  
 STD. SCREW MATERIAL: TYPE 18/8 STAINLESS STEEL PER DFARS (OTHER MATERIALS AVAILABLE)  
 STD. SCREW FINISH: NATURAL (PASSIVATED PER AMS2700 UNLESS OTHERWISE SPECIFIED)  
 STD. O-RING MATERIAL: SILICONE RUBBER (SEE TABLE FOR O-RING OPTIONS)  
 REACH & RoHS COMPLIANT

SAMPLE CATALOG NO.		ST1/4-20X1/2-2701-BLKOX		AVAILABLE O-RING MATERIALS			COMMON OPTIONS	
SCREW TYPE	ST	HEXAGON HEAD SEELBOLT		Compound Suffix	Material	Service Temp.	SUFFIX	DESCRIPTION
THREAD	1/4-20	ENTER BASIC THREAD SIZE		-2701	Silicone Rubber	-150° F to 500° F -101° C to 260° C	-BLKOX	BLACK OXIDE PER MIL-C-13924, CLASS 4
	X			-2615	FluoroSilicone Rubber	-78° F to 450° F -61° C to 232° C	-NY	LOCKING NYLON PELLET
LENGTH	1/2	ENTER LENGTH		-5701	Viton A	-20° F to 400° F -29° C to 204° C	-LY	LOCKING NYLON STRIP
O-RING SUFFIX	-2701	ENTER FROM TABLE		-4601	Buna N (NBR)	-65° F to 250° F -54° C to 121° C	-TP	LOCKING NYLON STD. PATCH
OPTIONS	-BLKOX	ENTER FROM TABLE		-3701	Neoprene (EPR)	-65° F to 300° F -54° C to 149° C	-HTP	HIGH TEMP. LOCKING NYLON PATCH
				-7601	Ethylene Propylene (EPDM)	-65° F to 300° F -54° C to 149° C		

N	UPDATED TABLE TO NEW FORMATING, ADDED 9/16-18	DWN: DAN LAW	CHKD: FK 04/25/19	10.16.18
M	ECO-16-0043: ADDED 5/8-18 INSTANCE, 1-8 and 1-1/4-7.	DWN: DAN LAW	CHKD: KF/FK 05/10/16	04.19.16
REV.	DESCRIPTION			DATE

<b>TOLERANCES UNLESS OTHERWISE NOTED</b> .X ±0.1 .XXX ±0.005 .XX ±0.01 < ±1.0° <b>RUBBER: RMA "A3" COMMERCIAL</b>	<b>TITLE:</b> <b>SEELBOLT®, HEX HEAD THREAD TO HEAD</b>		<b>ENG.</b> M. MORSE <b>06.23.60</b>
			<b>DWN.</b> FRUMENTI <b>06.23.60</b>
			<b>CHKD.</b>
<b>MAT'L:</b> SEE SPECIFICATIONS & COMMON OPTIONS			<b>SCALE</b> NTS <b>DWG. NO.</b> ST-0-0-00-0
<b>FINISH:</b> SEE SPECIFICATIONS & COMMON OPTIONS			

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