

LUDEADO AND MOINTO FOR LVDE 23 LUDEAD CULTURO SODEWO											ASME B18.6.3-2010				
Nominal Size or Ba- sic Screw Diameter		Threads Per Inch	D Major Diameter		Р	S				L					
					Point Diameter	Point Taper Length				Determinant		Minimum Practical		Minimum Torsional	
						Short Screws		Long Screws		Length for Point Taper		Nominal Screw Lengths		Strength, lbin. (STEEL	
			Max	Min	Ref	Max	Min	Max	Min	90° Heads	Csk Heads	90° Heads	Csk Heads	parts only)	
2	.0860	56	.0860	.0813	.068	.062	.045	.080	.062	5/32	3/16	5/32	3/16	5	
3	.0990	48	.0990	.0938	.078	.073	.052	.094	.073	3/16	7/32	5/32	7/32	9	
4	.1120	40	.1120	.1061	.087	.088	.062	.112	.088	7/32	1/4	3/16	1/4	13	
5	.1250	40	.1250	.1191	.100	.088	.062	.112	.088	7/32	9/32	3/16	1/4	18	
6	.1380	32	.1380	.1312	.107	.109	.078	.141	.109	1/4	5/16	1/4	5/16	23	
8	.1640	32	.1640	.1571	.132	.109	.078	.141	.109	1/4	11/32	1/4	5/16	42	
10	.1900	24	.1900	.1818	.148	.146	.104	.188	.146	11/32	7/16	5/16	13/32	56	
10	.1900	32	.1900	.1831	.158	.109	.078	.141	.109	1/4	11/32	1/4	5/16	74	
12	.2160	24	.2160	.2078	.174	.146	.104	.188	.146	11/32	7/16	5/16	13/32	93	
1/4	.2500	20	.2500	.2408	.200	.175	.125	.225	.175	13/32	17/32	3/8	1/2	140	
5/16	.3125	18	.3125	.3026	.257	.194	.139	.250	.194	15/32	19/32	7/16	9/16	306	
3/8	.3750	16	.3750	.3643	.312	.219	.156	.281	.219	1/2	11/16	15/32	5/8	560	
Tole	Tolerance on Length Up to 3/4 in., Incl.: -0.03							Over 3/4 to 1-1/2 in., Incl.: -0.05					Over 1-1/2 in.: -0.06		

Description	A thread cutting screw with machine screw thread pitch, a blunt point, tapered entering threads, a single wide cutting edge, and a chip cavity.							
Applications/ Advantages	Steel type-23's are well-suited for cast iron and zinc, aluminum die castings, and plastics. The type-23 design provides excellent chip clearing with minimum tightening torques. 18-8 stainless screws offer additional resistance to corrosion. When using any thread-cutting screw, the material in which the threads are cut should have a lower hardness by at least 10 to 20 Rockwell hardness points.							
Material	Steel: AISI 1016 - 1024 or equivalent steel; Stainless:18-8 stainless steel.							
Heat Treatment	Steel: Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.							
Surface Hardness	Steel: Rockwell C45° minimum							
Case Depth (steel)	No. 2 thru 6 diameter: .002007 No. 8 thru 12 diameter: .004009 1/4" diameter and larger: .005011							
Core Hardness	Steel (after tempering): Rockwell C28 - 38 Stainless: Rockwell B90 - C20							
Plating	See Appendix-A for plating of steel thread-cutting screws.							