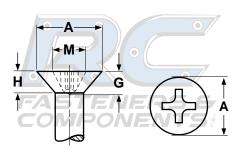


Screw Size	D	В	P	Pilot Hole Flexural Mod	Minimum Torsional Strength,	
	High Thread Diameter	Low Thread Diameter	Point Diameter	Up to 200,000 P.S.I.	200,000-400,000 P.S.I.	lb. in. (STEEL SCREWS ONLY)
2-32	.084090	.069	.050058	.0670	.0700	-
4-24	.105115	.086	.061070	.0810	.0860	4
5-20	.119125	.100	.073082	.0935	.0995	9
6-19	.135145	.108	.080090	.1015	.1100	13
8-18	.160170	.130	.095105	.1200	.1285	18
10-16	0.185195	5 ½ .145	.099110	.1360	.1440	30 0 //
12-16	.210220	.167	.125137	.1570	.1660	39
1/4-15	.250260	.200	.161175	.1890	.2010	56

Description	A thread forming screw with a double-lead, consisting of a high and low thread. The lower thread varies in height from 1/3 to 1/2 that of the higher thread, which is sharper and flatter than a standard thread.								
Applications/ Advantages	For use in plastic, nylon, wood or other low-density materials. Thread design reduces driving torques, enhances resistance to thread stripping, improves pullout strength and lessens risk of cracking the work piece.								
Material	Steel: 1019-1022 or equivalent steel. Stainless: 410 martensitic stainless steel								
Heat Treatment	Steel: Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum. Stainless: Screws shall be annealed by heating to 1850-1950°F, held at least 1/2 hour and rapid air- or oil-quenched then eheating to 525°F minimum for at least 1 hour and air cooled to provide the required tensile, yield and hardness properties.								
Case Hardness	Steel: Rockwell C45 - 50								
Case Depth (steel)	No. 2 thru 6 diameter: .002007 No. 8 thru 12 diameter: .004009 1/4" diameter: .005011								
Core Hardness (after tempering)	Steel: Rockwell C28 - 36 Stainless: Rockwell C38 - 42								
Plating	ERS & See Appendix-A								

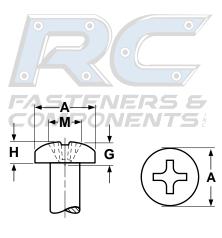
^{*}Elco is the original writer of high-low screw dimensions.

FASTENERS &

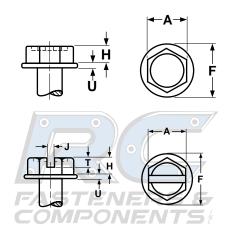


HEAD & DRIVE DIMENSIONS FOR PHILLIPS FLAT HIGH-LOW											
Nominal Size	<i>A</i>	4	н м			(
	Head Diameter		Head Height	Recess I	Diameter	Recess Pe Gaging	Driver Size				
	Max	Min	Ref	Max	Min	Max	Min				
4	.225	.195	.062	.128 .115		.082 .066		1			
6	.279	.244	.075	.174	.161	.095	.072	2			
8	.332	.292	.091	.189	.176	.110	.087	2			
10	.385	.340	.112	.204	.191	.125	.102	2			
12	.438	.389	.122	.268	.255	.139	.116	3			
1/4	.507	.452	.139	.283	.270	.154	.131	3			

Undercut Flat head High-Low screws conform to ASME B 18.6.4 specifications (see page 8).







HEAD & DRIVE DIMENSIONS FOR PHILLIPS PAN HIGH-LOW											
Nominal Size	A	4	н		N	/	(
	Head Diameter		Head Height		Recess Diameter		Recess Penetration Gaging Depth		Driver Size		
	Max	Min	Max	Min	Max	Min	Max	Min	7		
2	.167	.155	.062	.053	.104	.091	.052	.034	1		
4	.193	.180	.071	.062	.112	.099	.061	.043	1		
5	.219	.205	.080	.070	.122	.109	.071	.053	1		
6	.254	.240	.097	.087	.158	.145	.072	.046	2		
8	.270	.256	.097	.087	.166	.153	.080	.055	2		
10	.322	.306	.115	.105	.182	.169	.097	.071	2		
12	.373	.357	.133	.122	.199	.186	.113	.089	2		
1/4	.492	.473	.175	.162	.281	.268	.144	.118	3		

HEAD & DRIVE DIMENSIONS FOR HEX WASHER HIGH-LOW												
	Α		Т		J /		Н		F		U	
Nominal Size	Acr	dth oss ats	Slot Depti		Slot Width		Height of Head		Diameter of Washer		Thickness of Washer	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
4	.125	.120	-	-	-	-	.055	.044	.177	.163	.016	.010
6	.187	.181	.049	.030	.043	.035	.070	.058	.260	.240	.025	.015
8	.250	.244	.053	.033	.048	.039	.093	.080	.328	.302	.025	.015
10	.250	.244	.074	.052	.054	.045	.110	.096	.348	.322	.031	.019
12	.312	.305	.103	.077	.067	.056	.155	.139	.432	.398	.039	.022
1/4	.375	.367	.111	.083	.075	.064	.190	.172	.520	.480	.050	.030