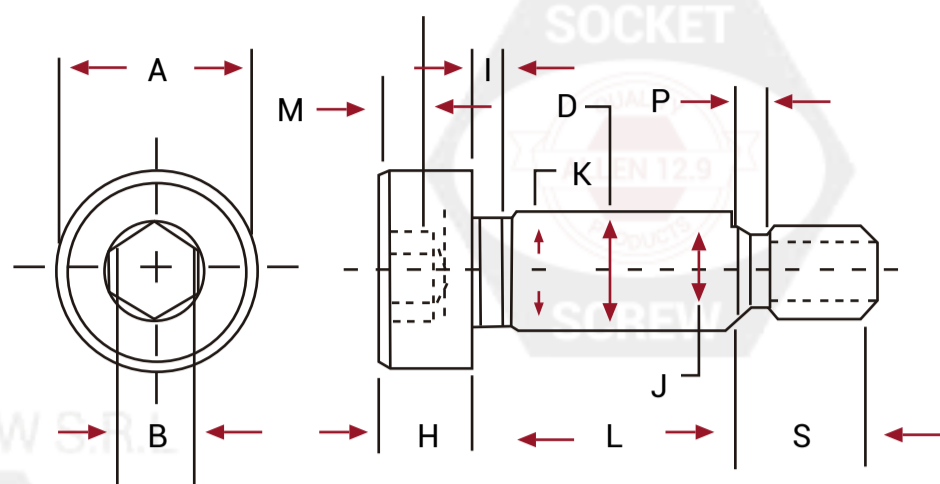


ALLEN GUÍA ESPACIADOR CALIDAD 12.9 MÉTRICO



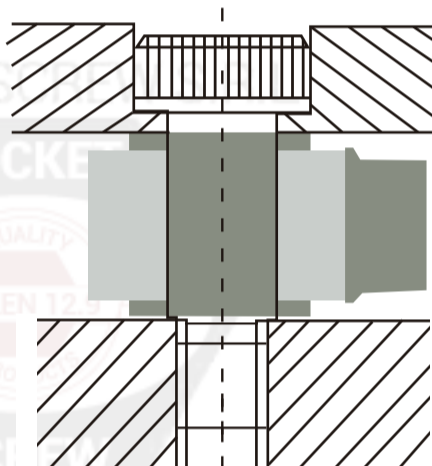
Dimensiones (mm)

Nom. Size	A	H	D	B	M min.	S
M6	9.78 - 10.22	4.32 - 4.50	5.951 - 5.987	3.020 - 3.050	2.40	9.25 - 9.75
M6.5	9.78 - 10.22	4.32 - 4.50	6.451 - 6.467	3.020 - 3.050	2.40	9.25 - 9.75
M8	12.73 - 13.27	5.32 - 5.50	7.951 - 7.967	4.020 - 4.095	3.30	10.75 - 11.25
M10	15.73 - 16.27	6.78 - 7.00	9.951 - 9.987	5.020 - 5.095	4.20	12.75 - 13.25
M12	17.73 - 18.27	7.78 - 8.00	11.941 - 11.984	6.020 - 6.095	4.90	15.60 - 16.40
M13	17.73 - 18.27	8.78 - 9.00	12.941 - 12.984	6.020 - 6.095	4.90	15.60 - 16.40
M16	23.67 - 24.33	10.73 - 11.00	15.941 - 15.984	8.025 - 8.115	6.60	17.60 - 18.40
M20	29.67 - 30.33	13.73 - 14.00	19.928 - 19.980	10.025 - 10.115	8.80	21.60 - 22.40
M25	35.61 - 36.39	15.73 - 16.00	24.924 - 24.980	12.032 - 10.142	10.00	26.60 - 27.40

Nom. Size	K min.	J	I max.	P max.	RS Torque (NM)
M6	5.42	3.68 - 3.86	2.50	2.00	5.6
M6.55	5.92	3.68 - 3.86	2.50	2.00	5.6
M8	7.42	4.40 - 4.58	2.50	2.50	9.6
M10	9.42	6.03 - 6.25	2.50	3.10	25
M12	11.42	7.69 - 7.91	2.50	3.70	51
M13	12.42	7.69 - 7.91	2.50	3.70	51
M16	15.42	9.35 - 9.57	2.50	4.40	92
M20	19.42	12.96 - 13.33	2.50	5.00	245
M25	24.42	16.30 - 16.57	3.00	6.30	485

Typical Application Fixture

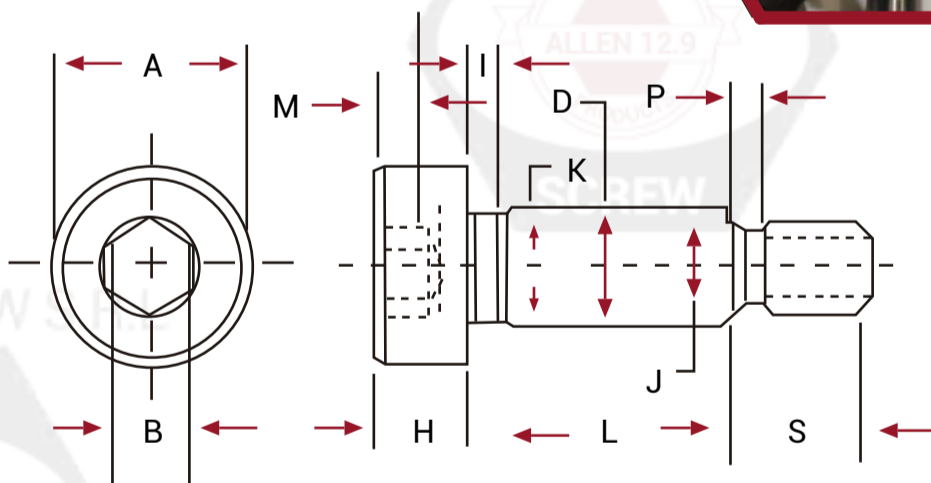
Also called Stripper Bales in the U.S the shoukler on these parts allow them to can be used in applications where maning parts need to be ajusted, slide, on pivot without removing the fastener.



Mechanical Properties

Property Class	12.9
Hardness (HRC)	39.44
Tensile Strenght (psi)	1100 min
Descarburization and Carburization	E=3/4H1

ALLEN GUÍA ESPACIADOR CALIDAD 12.9 PULGADA



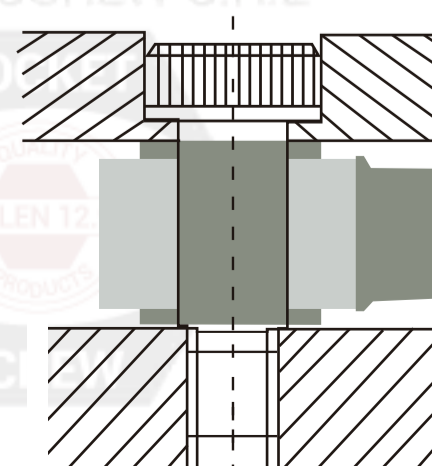
Dimensiones (inch)

Nom. Size	A	H	D	B nom	M min.	S
1/4	9.78 - 0.375	0.177 - 0.188	0.2460 - 0.2480	1/8 0.125	0.094	0.355 - 0.375
5/16	9.78 - 0.438	0.209 - 0.219	0.3085 - 0.3105	5/32 0.156	0.117	0.418 - 0.438
3/8	12.73 - 0.562	0.240 - 0.250	0.3710 - 0.3730	3/16 0.188	0.141	0.480 - 0.500
1/2	15.73 - 0.750	0.302 - 0.312	0.4960 - 0.4980	1/4 0.250	0.188	0.595 - 0.625
5/8	17.73 - 0.875	0.365 - 0.375	0.6210 - 0.6230	5/16 0.312	0.234	0.720 - 0.750
3/4	17.73 - 1.000	0.490 - 0.500	0.7460 - 0.7450	3/8 0.375	0.281	0.845 - 0.875
1	23.67 - 1.312	0.610 - 0.625	0.9960 - 0.9950	1/2 0.500	0.375	0.970 - 1.000
1-1/4	29.67 - 1.750	0.735 - 0.750	1.2460 - 1.2450	5/8 0.625	0.469	1.095 - 1.125
1-1/2	35.61 - 2.125	0.980 - 1.000	1.4960 - 1.4980	7/8 0.875	0.656	1.470 - 1.500

Nom. Size	K min.	J	I max.	P max.	RS Torque (NM)
1/4	0.227	0.133 - 0.142	0.093	0.083	35
5/16	0.289	0.182 - 0.193	0.093	0.100	90
3/8	0.352	0.257 - 0.249	0.093	0.111	200
1/2	0.477	0.291 - 0.304	0.093	0.125	353
5/8	0.602	0.397 - 0.414	0.093	0.154	922
3/4	0.727	0.502 - 0.521	0.093	0.152	1864
1	0.977	0.616 - 0.638	0.125	0.200	3443
1-1/4	1.227	0.726 - 0.750	1.125	0.222	5637
1-1/2	1.478	0.934 - 0.964	1.125	0.266	12002

Typical Application Fixture

Also called Stripper Bales in the U.S the shoukler on these parts allow them to can be used in applications where maning parts need to be ajusted, slide, on pivot without removing the fastener.



Mechanical Properties

Hardness (HRC)	39-43
Tensile Strenght (psi)	140.000
Descarburization and Carburization	E=3/4H1