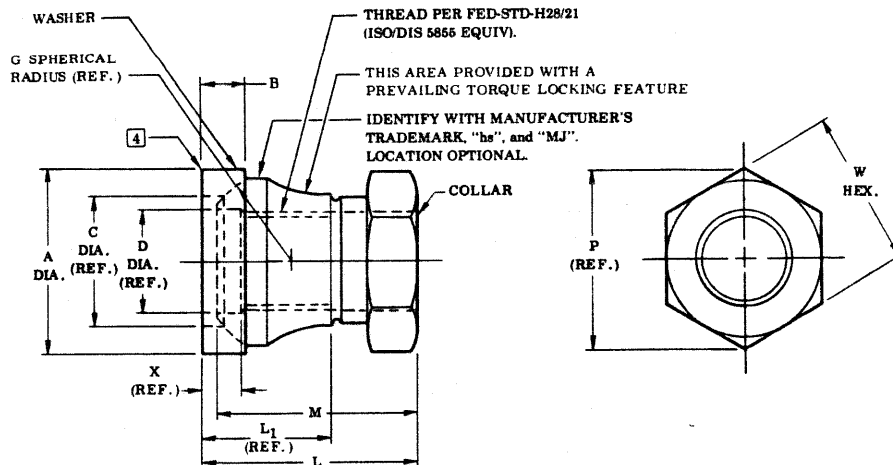


hi-shear
CORPORATION

2600 Skypark Drive
Torrance, California 90509 U.S.A.
Telephone (310) 326-8110
FAX (310) 784-4144

Hi-Shear Corporation, U.S.A. (Patent Holder).... CAGE No. 73197
Division of Hi-Shear Industries, Inc., U.S.A.
Air Industries Co. Inc. (Licensee - U.S.A. & Canada) CAGE No. 06725
SPS Technologies, U.S.A. (Licensee)..... CAGE No. 58878
Hi-Shear Fasteners Europe Ltd., U.K. (Licensee) CAGE No. 01868
Division of Hi-Shear Industries, Inc., U.S.A.
KAMAX-WERKE Germany (Licensee-EEC Countries)
Rudolph Kellerman GmbH & Co.
SIMMONDS S.A. France (Licensee-EEC Countries-Collars)
St. Chamond Granet S.A. France (Licensee-EEC Countries)
Tokyo Screw Company, Japan. (Licensee-Japan)



DASH NO. (METRIC)	PIN NOM. DIA.	THREAD	A DIA.	B	C DIA. (REF.)	D DIA. (REF.)	G SPHER. RAD. (REF.)	L (REF.)	L ₁ (REF.)	M	P (REF.)	W HEX.	X (REF.)	TORQUE-OFF NEWTON-METER	ULT TNSN STR NEWTONS MINIMUM
-04	4	MJ4 x 0.7-4H6H	9.27 9.01	1.99 1.72	6.0	4.2	5.1	9.90	5.58	8.94 8.43	8.87	8.00 7.78	1.7	1.7 - 2.9	9600
-05	5	MJ5 x 0.8-4H6H	10.90 10.64	2.29 2.03	6.5	5.2	5.1	10.16	5.84	9.45 8.94	11.10	10.00 9.78	1.7	2.8 - 4.6	12700
-06	6	MJ6 x 1.0-4H5H	12.80 12.54	2.67 2.41	8.1	6.2	6.7	11.68	6.60	10.92 10.41	12.12	11.00 10.73	2.3	5.6 - 9.1	20700
-08	8	MJ8 x 1.0-4H5H	16.70 16.44	3.00 2.74	10.6	8.2	8.7	13.97	8.12	12.90 12.39	14.40	13.00 12.73	2.4	14.6 - 18.1	36900
-10	10	MJ10 x 1.25-4H5H	20.60 20.34	3.94 3.68	13.0	10.2	11.4	16.13	9.52	14.80 14.29	15.56	14.00 13.73	2.7	23.7 - 28.3	62300
-12	10	MJ12 x 1.25-4H5H	24.40 24.14	4.58 4.32	15.7	12.2	13.0	18.54	10.92	16.72 16.21	18.90	17.00 16.73	2.7	36.1 - 43.0	97800

- NOTES:**
- Go thread gage penetration shall be 3/4 of one revolution minimum after thread lock.
 - Dimensions apply after finish.
 - For use on sloped surfaces up to 7° maximum on Hi-Lite ST standard pins.
 - Break sharp edge.

MATERIAL: Collar - 303 Se stainless steel per ASTM A-582 and AMS5640.
Washer - "W" = 17-4PH stainless steel per AMS5643, or 17-7PH per AMS5528, or PH15-7Mo per AMS5520.
"WA" = 4140 or 8740 alloy steel per MIL-S-5626 or MIL-S-6049.

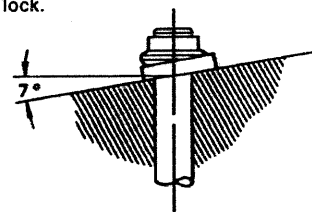
HEAT TREAT: Collar - None.
Washer - "W" = Age to H-1025 condition for 17-4PH, age to TH1050 condition for 17-7PH and 15-7Mo per MIL-H-6875.
"WA" = 180,000-200,000 psi tensile per MIL-H-6875.

FINISH: Collar - HSTMJ175DU-()A = Solid film lube per MIL-L-46010 Type I.
HSTMJ175PB-()A = Cadmium plate per QQ-P-416, Type II, Class 2, and cetyl alcohol lube per Hi-Shear Spec. 305.
Washer - HSTMJ175-()PBWA = Cadmium plate per QQ-P-416, Type II, Class 2.
HSTMJ175-()WU = Passivate per Hi-Shear Spec. 258.

SPECIFICATION: Hi-Lite Product Specification M381, except thread as noted.

CODE: Dash number indicates nominal thread size in 1 mm.
Code letter "A" following dash number indicates Hi-Lite collar only.
Code letter "W" or "WA" following dash number indicates self-aligning washer only.
See finish note for explanation of code letters.

EXAMPLE: HSTMJ175DU-08AWU = MJ8 x 1.0 Hi-Lite ST collar with HSTMJ175-08WU self-aligning washer.
HSTMJ175DU-08A = MJ8 x 1.0 Hi-Lite ST collar with Hi-Kote 2 solid film lube.
HSTMJ175-08WU = 8 mm size self-aligning washer.



U.S. Patents 4,326,825; 4,485,510 and 4,957,401. Other U.S. and foreign patents pending. "Hi-Lite" is a registered trademark and "Hi-Lite ST" is a trademark of Hi-Shear Corporation.

DRAWN	DATE	BY	TITLE	DRAWING NUMBER
	2-17-88	Dept. 104		
APPROVED	2-17-88	E.E.B.	HI-LITE® ST™ COLLAR (MJ METRIC SERIES) SELF-ALIGNING COLLAR ASSEMBLY (STAINLESS STEEL COLLAR - STAINLESS STEEL OR ALLOY STEEL WASHER) 1 mm GRIP VARIATION - SHEAR APPLICATION	HSTMJ175
④ REVISION	7-28-94	J.Obispo		