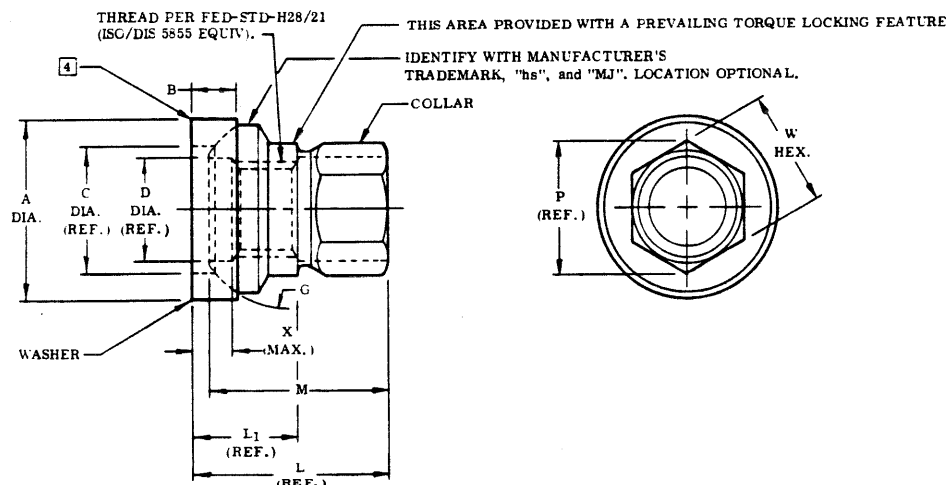


hi-shear
CORPORATION

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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. 56878
Hi-Shear Fasteners Europe Ltd., U.K. (Licensee).....CAGE No. 0LB68
Division of Hi-Shear Industries, Inc., U.S.A.

KAMAX-WERKE Germany.....(Licensee - EEC Countries)
Rudolf Kellerman GmbH & Co.
SIMMONDS S.A. France.....(Licensee-EEC Countries-Collars)
St.-Chamond Granat 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.)	L1 (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	4.7	5.1	10.80	5.58	9.84 9.33	5.54	5.00 4.78	1.7	1.7 - 2.9	8700
05	5	MJ5 x 0.8-4H6H	10.90 10.64	2.29 2.03	6.5	5.7	5.1	11.05	5.84	10.35 9.84	6.65	6.00 5.78	1.7	2.8 - 4.6	11400
06	6	MJ6 x 1.0-4H5H	12.80 12.54	2.67 2.41	8.1	6.7	6.7	13.09	6.60	12.33 11.82	7.82	7.00 6.78	2.3	5.6 - 9.1	18000
08	8	MJ8 x 1.0-4H5H	16.70 16.44	3.00 2.74	10.6	8.7	8.7	15.88	8.12	14.81 14.30	10.72	9.50 9.28	2.4	14.6 - 18.1	30000
10	10	MJ10 x 1.25-4H5H	20.60 20.34	3.94 3.68	13.0	10.8	11.4	17.65	9.52	16.32 15.81	13.54	12.00 11.73	2.7	23.7 - 28.3	44000

- 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 and 0.5mm oversize pins.
 - Break sharp edge.

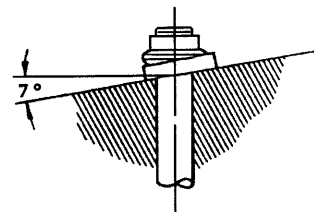
MATERIAL: Collar - A-286 high temperature alloy per AMS5731, AMS5734, AMS5736, or AMS5737.
Washer - 17-4PH stainless steel per AMS5643, or 17-7PH per AMS5528, or PH15-7Mo per AMS5520.

FINISH: Collar - HSTMJ1099AU-()A = Solid film lube per Electrofilm XSF-104, or equivalent.①
HSTMJ1099GZ-()A = Silver plate per AMS2410 plus cetyl alcohol lube per Hi-Shear Spec. 305.
HSTMJ1099TB-()A = Hi-Kote 2 solid film lube per Hi-Shear Spec. 292 plus cetyl alcohol lube per Hi-Shear Spec. 305.
Washer - HSTMJ1099-()WU = Passivate per Hi-Shear Spec. 258.
HSTMJ1099-()WAU = Solid film lube per Electrofilm XSF-104.

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.
Code letter "W" following dash number indicates self-aligning washer.
See finish note for explanation of code letters.

EXAMPLE: HSTMJ1099AU-08AWU = MJ8 x 1.0 Hi-Lite ST collar with HSTMJ1099-08WU self-aligning washer.
HSTMJ1099AU-08A = MJ8 x 1.0 Hi-Lite ST collar with XSF-104 solid film lube.
HSTMJ1099-08WU = 8 mm size self-aligning washer, passivated.



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

DRAWN	DATE	BY	TITLE HI-LITE® ST™ COLLAR (MJ METRIC SERIES) SELF-ALIGNING COLLAR ASSEMBLY A-286 HIGH TEMPERATURE ALLOY, SHEAR APPLICATION 1 mm GRIP VARIATION FOR USE ON STANDARD AND 0.5 mm OVERSIZE HI-LITE ST PINS	DRAWING NUMBER HSTMJ1099
	11-22-95	J.F.Obispo		
APPROVED	11-27-95	JGWilcox		
① REVISION	01-03-96	J.F.Obispo		