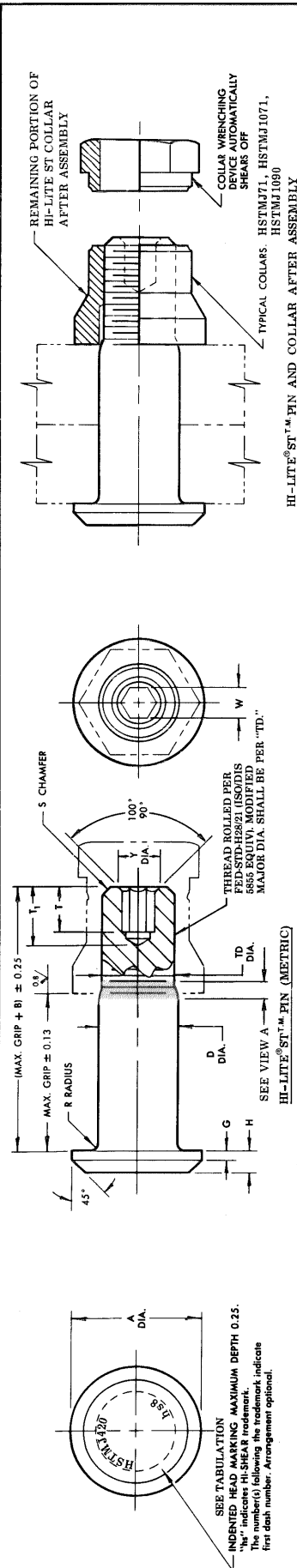


“CASE” – Commercial and Government Entity

hi-shear
CORPORATION

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HISHEAR CORPORATION, U.S.A. (Patent Holder) CASE No. 73197 KAMAX-WERKE GERMANY (Licenses-EEC Countries)
DIVISION OF HISHEAR INDUSTRIES, INC. U.S.A. (Licenses-EEC Countries)
RUDOLPH KILIMMER SMITH & CO. (Licenses-EEC Countries)
HISHEAR INDUSTRIES CO., INC. (Licenses-EEC Countries) CASE No. 87275 SIMMONDS S.A. FRANCE (Licenses-EEC Countries)
SPS TECHNOLOGIES, U.S.A. (Licenses-EEC Countries) CASE No. 88778 BI-CHAMOND GRAMAT S.A. FRANCE (Licenses-EEC Countries)
HISHEAR PATENTERS EUROPE LTD., U.K. (Licenses-EEC Countries) CASE No. 01388 TOKYO SCREW COMPANY, JAPAN (Licenses-Japan)
DIVISION OF HISHEAR INDUSTRIES, INC. U.S.A. (Licenses-EEC Countries)



SEE COLLAR STANDARDS FOR COLLAR STRENGTHS. LOWER STRENGTH (PIN OR COLLAR) DETERMINES SYSTEM STRENGTH.

FIRST DASH NO.	HEAD MARKING	NOM. DIA.	A DIA.	B REF.	D DIA.	TD DIA.	G REF.	H RAD.	R RAD.	S CHAMFER REF.	THREAD (MODIFIED)	* W HEX.	SOCKET			DOUBLE SHEAR TENSION NEWTONS MINIMUM	TENSION NEWTONS MINIMUM
													T HEX DEPTH MIN.	T ₁ DEPTH MAX.	Y DIA.		
-04	MJ420 hs4	4	6.65	7.11	3.990	3.990	0.6	1.20	0.65	0.8 x 37°	MJ4 x 0.7-4h	1.64	1.63	2.90	2.30	21600	10300
-05	MJ420 hs5	5	8.15	7.65	4.990	4.990	0.8	1.40	0.65	0.8 x 37°	MJ5 x 0.8-4h	2.05	2.00	3.43	3.05	33800	15500
-06	HSTMJ420 hs6	6	10.20	8.65	5.990	5.990	0.9	1.75	0.65	0.8 x 37°	MJ6 x 1.0-4h	2.46	2.25	4.06	3.60	48600	23900
-08	HSTMJ420 hs8	8	12.55	9.65	7.987	7.987	1.0	2.20	0.75	1.2 x 37°	MJ8 x 1.0-4h	3.29	2.75	5.08	4.60	86500	41500
-10	HSTMJ420 hs10	10	16.20	11.82	9.987	9.987	1.3	2.65	0.75	1.2 x 37°	MJ10 x 1.25-4h	4.11	3.50	5.97	5.50	135100	64200
			15.40		9.972	9.962		2.40	0.50			4.02					

GENERAL NOTES:

1. Concentricity: "A" to "D" diameter within 0.25 FIR.
2. Surface texture per ISO/R468.
3. Dimensions to be met after finish.

MATERIAL: Nickel base alloy per AMS5662.

HEAT TREAT: 860 MPa shear minimum.

- ① FINISH: HSTMJ420-() = Passivate per Hi-Shear Spec. 258, and cetyl alcohol lube per Hi-Shear Spec. 305.
HSTMJ420A2-() = Hi-Kote 1 aluminum coating per Hi-Shear Spec. 284, with color code black on thread end, plus cetyl alcohol lube per Hi-Shear Spec. 305.

SPECIFICATION: Hi-Lite Product Specification No. M380 except thread as noted.

CODE: First dash number indicates nominal diameter in 1mm.
Second dash number indicates maximum grip in 1mm.
See finish note for explanation of code letters.

HOW TO ORDER
EXAMPLES:

Pin Part Number Only
HSTMJ420-04-8

8 mm Maximum Grip Length
4 mm Nominal Diameter Pin
Pin Part Number

Pin and Collar Assembly Part Number Combination
HSTMJ42071-04-8

Size and Grip Length, see above example
Collar Part Number
Pin Part Number

THIS AREA OF SPECIAL CONFIGURATION AND COLD WORKING TO MEET PHYSICAL REQUIREMENTS.



VIEW A

HI-LITE THREAD TRANSITION AREA. SEE SPECIFICATION FOR INSPECTION.

★ INCH STANDARD HEX.

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		TITLE	
D.P.S.	10-13-89	D.P.S.	10-13-89	HI-LITE ST™ PIN (MJ METRIC SERIES)	
APPROVED	DATE	APPROVED	DATE	PROTRUDING SHEAR HEAD	
10-17-89		10-17-89		INCONEL 718 NICKEL ALLOY	
REVISION	DATE	REVISION	DATE	1 mm GRIP VARIATION	
1	7-1-92	1	7-1-92	DRAWING NUMBER	
				HSTMJ420	

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2-1599136

HSTMJ420