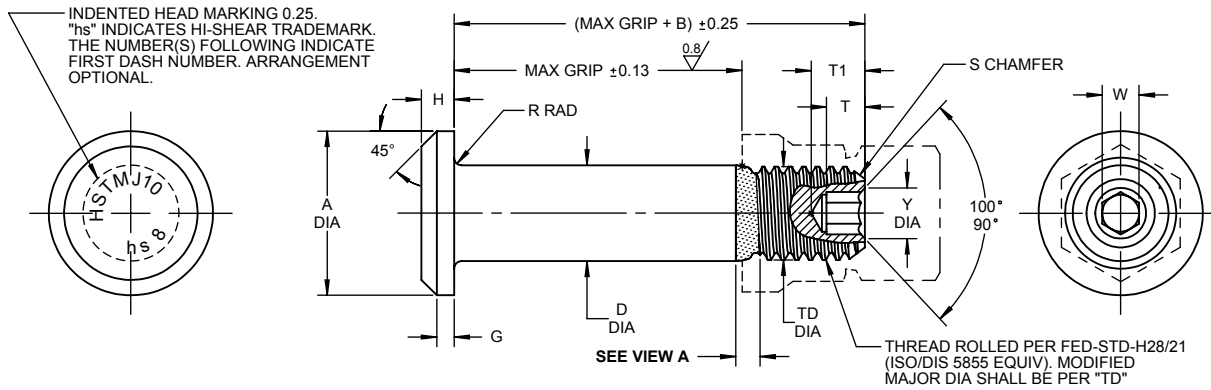
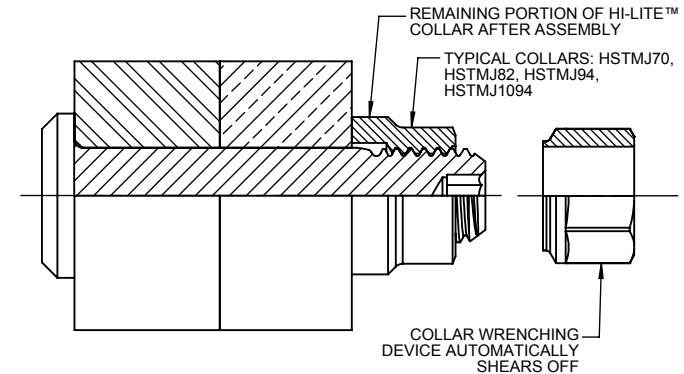




HI-LITE™ PIN (METRIC)



HI-LITE™ PIN AND COLLAR AFTER ASSEMBLY

FIRST DASH NO.	HEAD MARKING	PIN NOM DIA	A DIA	B REF	D DIA		TD DIA	G REF	H	R RAD	S CHAMFER REF	THREAD MODIFIED	SOCKET				DOUBLE SHEAR NEWTONS MINIMUM	TENSION NEWTONS MINIMUM
					HSTMJ10 AND HSTMJ10YY	HSTMJ10AZ							* W HEX	T HEX DEPTH MIN	T1 DEPTH MAX	Y DIA		
04	MJ10 hs 4	4	6.65 6.25	7.11	3.990 3.978	3.990 3.965	3.91 3.86	0.6	1.20 0.95	0.65 0.40	0.8 x 37°	MJ4 x 0.7-4h	1.64 1.61	1.63	2.90	2.30 1.90	16400	7800
05	MJ10 hs 5	5	8.15 7.65	7.65	4.990 4.978	4.990 4.965	4.90 4.84	0.8	1.40 1.15	0.65 0.40	0.8 x 37°	MJ5 x 0.8-4h	2.05 2.01	2.00	3.43	3.05 2.60	25700	11800
06	HSTMJ10 hs 6	6	10.20 9.70	8.65	5.990 5.978	5.990 5.965	5.88 5.81	0.9	1.75 1.50	0.65 0.40	0.8 x 37°	MJ6 x 1.0-4h	2.46 2.40	2.25	4.06	3.60 3.10	37000	18200
08	HSTMJ10 hs 8	8	12.85 12.25	9.65	7.987 7.972	7.987 7.962	7.88 7.80	1.0	2.20 1.95	0.75 0.50	1.2 x 37°	MJ8 x 1.0-4h	3.29 3.22	2.75	5.08	4.60 4.05	65800	31600
10	HSTMJ10 hs 10	10	16.20 15.40	11.82	9.987 9.972	9.987 9.962	9.88 9.80	1.3	2.65 2.40	0.75 0.50	1.2 x 37°	MJ10 x 1.25-4h	4.11 4.02	3.50	5.97	5.55 5.00	102900	48900
12	HSTMJ10 hs 12	12	18.80 18.00	13.33	11.984 11.966	11.984 11.959	11.87 11.76	1.5	2.95 2.70	0.75 0.50	1.2 x 37°	MJ12 x 1.25-4h	4.90 4.81	4.30	6.99	6.45 5.90	148100	66700

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

- GENERAL NOTES:**
1. Concentricity: "A" to "D" diameter within 0.25 FIM.
 2. Surface texture per ISO/R468.
 3. Dimensions are in millimeters and to be met after finish.
 - ④ As of revision 6 of this drawing, HI-KOTE™ 1 aluminum pigmented coating will be replaced by REACH compliant HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on fasteners coated in European Union.

MATERIAL: 6AL-4V titanium alloy per AMS4928 or AMS4967 for all sizes.

HEAT TREAT: 655 MPa shear minimum.

- FINISH:**
- HSTMJ10-()-() = Surface coating per Hi-Shear Spec. 306, Type I, color blue-violet (equivalent to LN9368 Blatt 4), with color black on thread end plus cetyl alcohol lube per Hi-Shear per Hi-Shear Spec. 305.
 - ④ HSTMJ10AZ()-() = HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294 with color black on thread end plus cetyl alcohol lube per Hi-Shear Spec. 305.
 - HSTMJ10YY()-() = HI-KOTE™ 2 solid film lube per Hi-Shear Spec. 292 on threads only, with color green on thread end and cetyl alcohol lube per Hi-Shear Spec. 305

SPECIFICATION: HI-LITE™ Product Specification M380, except thread as noted.

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

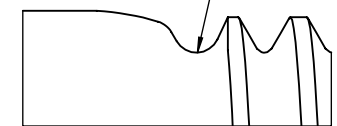
HOW TO ORDER EXAMPLE:

Pin Part Number
HSTMJ10AZ 04-8
└─ 8 mm Maximum Grip Length
└─ 4 mm Nominal Diameter Pin
└─ Finish Code
└─ Pin Basic Part Number

Pin and Collar Assembly Part Number Combination
HSTMJ1070-04-8

└─ 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.

"HI-LITE", "HST", AND "HI-KOTE" ARE TRADEMARKS OF HI-SHEAR CORPORATION		
DRAWN BY J.F. OBISPO	DATE 1988-02-17	TITLE HI-LITE™ PIN (MJ METRIC SERIES) PROTRUDING SHEAR HEAD TITANIUM 1 mm GRIP VARIATION
APPROVED E.E.B	DATE 1988-02-17	
REVISION 6	DATE F.CARINGELLA 2019-03-04	DRAWING NUMBER HSTMJ10