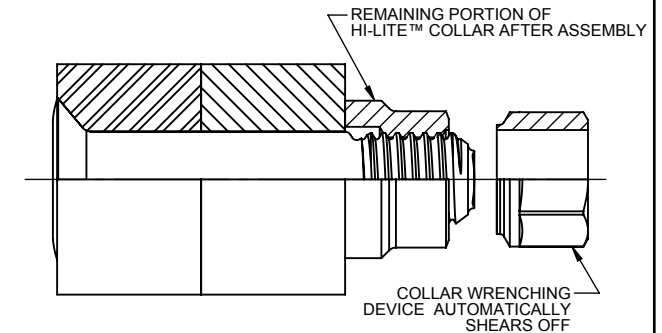
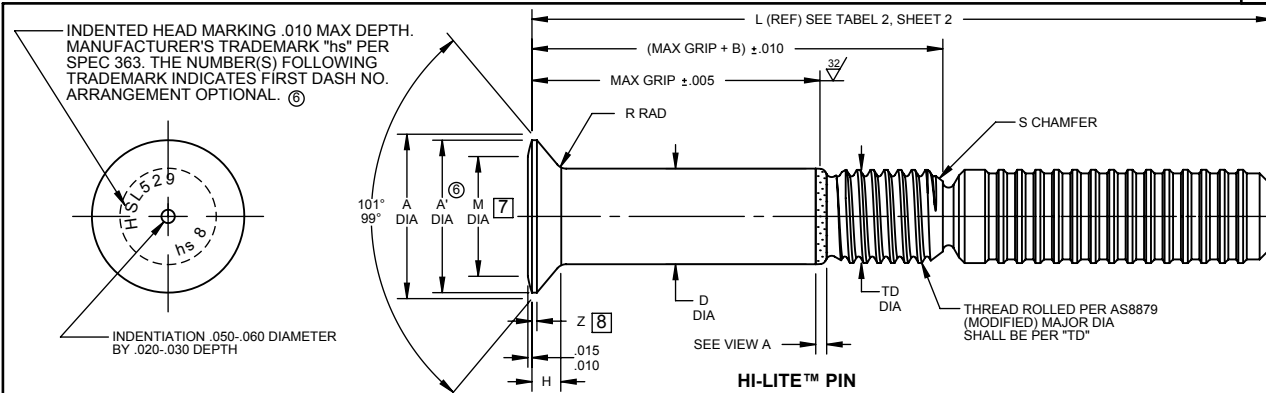




HI-LITE™ PIN AND COLLAR AFTER ASSEMBLY

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

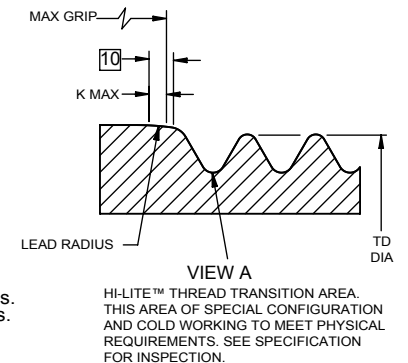
FIRST DASH NO.	PIN NOM DIA	A DIA	A' DIA	B REF	D DIA BEFORE FINISH	F	TD DIA	H	K MAX	M DIA FLAT	R RAD	Z MAX	S CHAMFER REF	THREAD MODIFIED	DOUBLE SHEAR POUNDS	TENSION POUNDS MINIMUM
5	5/32	.2922	.285	.312	.1640	.004	.1595	.0538	.013	.140	.025	.010	1/32 x 37°	.1640-32 UNJF-3A	4,600	1,730
6	3/16	.3536	.346	.325	.1895	.005	.1840	.0688	.016	.155	.030	.015	1/32 x 37°	.1900-32 UNJF-3A	6,200	2,590
8	1/4	.4732	.466	.395	.2495	.006	.2440	.0939	.021	.200	.030	.015	1/32 x 37°	.2500-28 UNJF-3A	10,600	4,760
10	5/16	.5619	.555	.500	.3120	.007	.3060	.1048	.026	.265	.040	.015	3/64 x 37°	.3125-24 UNJF-3A	16,600	7,100
12	3/8	.6912	.684	.545	.3745	.008	.3680	.1329	.030	.325	.040	.015	3/64 x 37°	.3750-24 UNJF-3A	23,900	10,600
14	7/16	.8041	.797	.635	.4370	.009	.4310	.1540	.035	.380	.050	.022	3/64 x 37°	.4375-20 UNJF-3A	32,500	14,450
16	1/2	.9166	.910	.685	.4995	.010	.4930	.1750	.039	.445	.050	.022	3/64 x 37°	.5000-20 UNJF-3A	42,400	19,550
		.9095	.885		.4990		.4880	.1720		.415	.040				37,300	

- GENERAL NOTES:**
- Head edge out of roundness shall not exceed "F".
 - Concentricity: Conical surface of head to "D" diameter within .005 FIM.
 - "H" is dimensioned from maximum "D" diameter.
 - Dimensions are in inches and to be met after finish, except as noted.
 - Surface texture per ASME B46.1.
 - Hole preparation per NAS618.
 - Flat permissible within "M" diameter.
 - Curved or flat edge manufacturer's option.
 - "D" diameter may increase by .0005" after application of solid film lube and .001" after application of aluminum coating.
 - Lead radius must be tangent to "D" diameter within "K" distance and be continuous within this area.
 - Use HSL629 for oversize replacement.
 - Shorter or longer grips than those listed may be available as specials.

CODE: First dash number indicates nominal diameter in 1/32nds. Second dash number indicates maximum grip in 1/16ths. See "Finish" note for explanation of code letters.

HOW TO ORDER
EXAMPLE:

Pin Part Number
HSL529AP8-8
└─ 8/16 or 1/2 Maximum Grip Length
└─ 8/32 or 1/4 Nominal Diameter Pin
└─ Finish Code
└─ Pin Basic Part Number



"HI-LITE", "HST", AND "HI-KOTE", ARE TRADEMARKS OF HI-SHEAR CORPORATION

DRAWN BY J.F.OBISPO	DATE 1991-11-27	TITLE HI-LITE™ PIN 100° FLUSH CROWN (MS20426) HEAD BREAK STEM, SPECIAL THREAD TITANIUM 1/16 GRIP VARIATION
APPROVED DAW	DATE 1991-12-09	
REVISION 6	DATE F.CARINGELLA 2017-12-12	
DRAWING NUMBER HSL529		1 OF 2

TABLE 2

SECOND DASH NUMBER	L (REF) ¹²						
	-5 DIA.	-6 DIA.	-8 DIA.	-10 DIA.	-12 DIA.	-14 DIA.	-16 DIA.
1	-	-	-	-	-	-	-
2	.835	.955	.940	-	-	-	-
3	.960	1.080	1.065	1.185	-	-	-
4	1.085	1.205	1.190	1.310	1.300	-	-
5	1.210	1.330	1.315	1.435	1.425	1.530	-
6	1.335	1.455	1.440	1.560	1.550	1.655	1.645
7	1.460	1.580	1.565	1.685	1.675	1.780	1.770
8	1.585	1.705	1.690	1.810	1.800	1.905	1.895
9	1.710	1.830	1.815	1.935	1.925	2.030	2.020
10	1.835	1.955	1.940	2.060	2.050	2.155	2.145
11	1.960	2.080	2.065	2.185	2.175	2.280	2.270
12	2.085	2.205	2.190	2.310	2.300	2.405	2.395
13	2.210	2.330	2.315	2.435	2.425	2.530	2.520
14	2.335	2.455	2.440	2.560	2.550	2.655	2.645
15	2.460	2.580	2.565	2.685	2.675	2.780	2.770
16	2.585	2.705	2.690	2.810	2.800	2.905	2.895
17	2.710	2.830	2.815	2.935	2.925	3.030	3.020
18	2.835	2.955	2.940	3.060	3.050	3.155	3.145
19	2.960	3.080	3.065	3.185	3.175	3.280	3.270
20	3.085	3.205	3.190	3.310	3.300	3.405	3.395
21	-	3.330	3.315	3.435	3.425	3.530	3.520
22	-	3.455	3.440	3.560	3.550	3.655	3.645
23	-	3.580	3.565	3.685	3.675	3.780	3.770
24	-	3.705	3.690	3.810	3.800	3.905	3.895
25	-	-	-	3.935	3.925	4.030	4.020
26	-	-	-	4.060	4.050	4.155	4.145
27	-	-	-	4.185	4.175	4.280	4.270
28	-	-	-	4.310	4.300	4.405	4.395
29	-	-	-	-	-	4.530	4.520
30	-	-	-	-	-	4.655	4.645
31	-	-	-	-	-	4.780	4.770
32	-	-	-	-	-	4.905	4.895

HSL529