

DASH NO.	PIN NOM. DIA.	THREAD	A DIA.	B	C DIA. REF.	D DIA. REF.	L REF.	L ₁ REF.	M	P REF.	R SPHER. RAD.	W HEX.	X MAX.	UTS LBS. MIN.	TORQUE-OFF INCH-LBS.
-6	3/16	10-32UNJF-3B	.395 .385	.088 .078	.285	.225	.405	.240	.380 .360	.380	.24	.346 .332	.095	2,750	40-50
-8	1/4	1/4-28UNJF-3B	.515 .505	.123 .113	.365	.288	.475	.280	.445 .425	.484	.30	.440 .425	.100	5,000	115-130
-10	5/16	5/16-24UNJF-3B	.660 .650	.160 .150	.450	.348	.555	.325	.510 .490	.484	.38	.440 .425	.105	8,300	200-250
-12	3/8	3/8-24UNJF-3B	.790 .780	.180 .170	.525	.413	.625	.365	.590 .570	.557	.44	.503 .488	.105	12,700	360-440
-14	7/16	7/16-20UNJF-3B	.893 .883	.237 .227	.605	.478	.705	.415	.640 .620	.624	.50	.565 .550	.110	19,000	550-625
-16	1/2	1/2-20UNJF-3B	1.005 .995	.265 .255	.690	.540	.765	.445	.675 .655	.763	.56	.690 .675	.110	25,500	725-825

- GENERAL NOTES:**
1. Go thread gage penetration shall be 3/4 of one revolution minimum.
 2. For use on sloped surfaces up to 7° maximum on Hi-Lite ST tension head pins.
 3. Dimensions apply after finish.
 4. For -12, -14, and -16 washers, chamfer or radius .040 - .050.

MATERIAL: Collar - 303 Se stainless steel per ASTM A582 and AMS5640.
Washer - 17-4PH stainless steel per AMS5643, or 17-7PH per AMS5528, or PH15-7Mo per AMS5520.

HEAT TREAT: Collar - None.
Washer - Age to H1025 condition for 17-4PH, age to TH1050 condition for 17-7PH and 15-7Mo per MIL-H-6875.

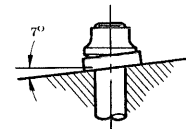
FINISH: Collar - HST175-()A = Cadmium plate per QQ-P-416, Type I, Class 2, with cetyl alcohol lube per Hi-Shear Spec. 305.
HST175DU-()A = Solid film lube per MIL-L-8937.
HST175PB-()A = Cadmium plate per QQ-P-416, Type II, Class 2, with cetyl alcohol lube per Hi-Shear Spec. 305.
HST175TF-()A = Hi-Kote 2 solid film lube per Hi-Shear Spec. 292.

Washer - HST175-()DW = Solid film lube per MIL-L-8937.
HST175-()PBW = Cadmium plate per QQ-P-416, Type II, Class 2.
HST175-()W = Cadmium plate per QQ-P-416, Type I, Class 2.
HST175-()WU = Passivate per Hi-Shear Spec. 258.

SPECIFICATION: Hi-Lite Product Specification 381.

CODE: Dash number indicates nominal thread size in 1/32nds.
Code letter "A" following dash number indicates Hi-Lite ST collar.
See finish note for explanation of other code letters.

EXAMPLE: HST175-8AW = Assembly of HST175-8A collar and HST175-8W washer.
HST175TF-8AWU = Assembly of HST175TF-8A collar and HST175-8WU 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.

DATE			BY			TITLE	DRAWING NUMBER
DRAWN	8-13-92	D.P.S.				HI-LITE® ST™ COLLAR SELF-ALIGNING COLLAR ASSEMBLY (303 STAINLESS STEEL COLLAR - STAINLESS STEEL WASHER) 1/16" GRIP VARIATION - TENSION APPLICATION FOR USE ON STANDARD AND 1/32" OVERSIZE HI-LITE ST PINS	HST175
APPROVED							
REVISION							