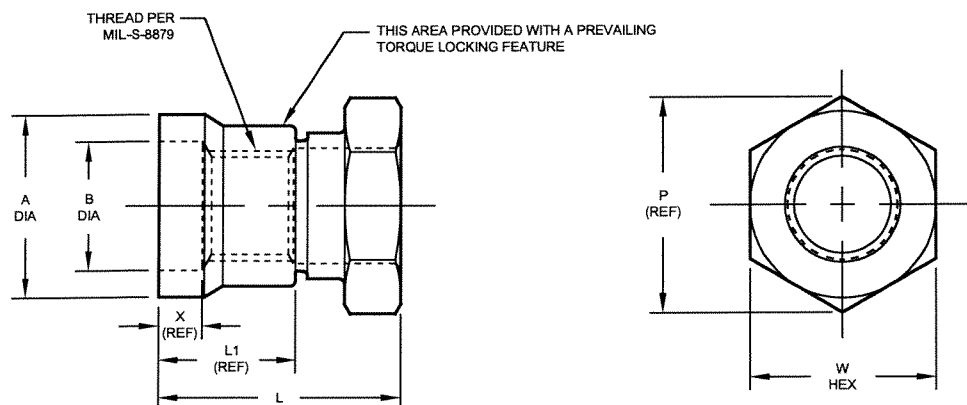


hi-shear
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HI-SHEAR CORPORATION, U.S.A. (Patent Holder) CAGE No. 73197
a GFI AEROSPACE Company
AIR INDUSTRIES CO., INC., U.S.A. (Licensee - U.S.A. & Canada) CAGE No. 06725
SPS TECHNOLOGIES, U.S.A. (Licensee) CAGE No. 56878
FAIRCHILD - SIMMONDS S.A. France (Licensee) CAGE No. 92215

BLANC AERO INDUSTRIES UK LIMITED (Licensee) CAGE No. 0LB68
a GFI AEROSPACE Company
BLANC AERO S.A. France (Licensee - ECC Countries)
a GFI AEROSPACE Company
TOKYO SCREW COMPANY, Japan (Licensee - Japan)



DASH NO.	PIN NOM DIA	THREAD	A DIA	B DIA	L	L1 (REF)	P (REF)	W HEX	X (REF)	UTS LBS. MIN	TORQUE-OFF INCH-POUNDS
5	5/32	8-32UNJC-3B	NOTE: USE HST78-6								
6	13/64	10-32UNJF-3B	.332 .328	.228 .223	.405 .385	.230	.344	.314 .302	.095	2,750	40-50
8	17/64	1/4-28UNJF-3B	.427 .423	.288 .283	.475 .455	.270	.484	.440 .425	.100	5,000	110-130
10	21/64	5/16-24UNJF-3B	.560 .554	.350 .345	.555 .535	.315	.624	.565 .550	.105	8,300	200-250
12	25/64	3/8-24UNJF-3B	.683 .675	.413 .407	.625 .605	.355	.715	.628 .613	.105	12,700	360-420
14	29/64	7/16-20UNJF-3B	.748 .740	.476 .470	.705 .685	.405	.840	.753 .736	.110	19,000	525-675
16	33/64	1/2-20UNJF-3B	.870 .860	.538 .532	.765 .745	.435	.970	.878 .861	.110	25,500	725-1000

- NOTES:**
- Go thread gage penetration shall be 3/4 of one revolution minimum.
 - Dimensions apply after finish.
 - Non-lubed collars must be used with lubed pins.

MATERIAL: Collar - A-286 high temperature alloy per AMS5731.

FINISH: Collar - HST378- () = Silver plate per AMS2410 (to .0002" minimum thick on surfaces which can be touched by a .75 inch ball; threads shall show evidence of plate but thickness requirements are waived), and cetyl alcohol lube per Hi-Shear Spec. 305.

② HST378DU () = Solid film lube per AS5272, Type I.

HST378PB () = Cadmium plate per AMS-QQ-P-416, Type II, Class 2, and cetyl alcohol lube per Hi-Shear Spec. 305.

③ HST378GU () = Silver plate per AMS2410 (to .0002" minimum thick on surfaces which can be touched by a .75 inch ball; threads shall show evidence of plate but thickness requirements are waived).

SPECIFICATION: Hi-Lite Product Specification 381.

CODE: Dash number indicates nominal thread size in 1/32nds.
See Finish note for explanation of other code letters.

EXAMPLE: HST378PB8 = 1/4-28 Hi-Lite ST oversize collar, finish is Type II cadmium plate plus cetyl alcohol lube per Hi-Shear Spec. 305.

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

			TITLE	DRAWING NO.
DATE	BY		HI-LITE® ST™ COLLAR A-286 HIGH TEMPERATURE ALLOY 1/16 GRIP VARIATION, TENSION APPLICATION FOR USE ON 1/64" AND 1/32" OVERSIZE HI-LITE PINS	HST378
DRAWN	12-20-83	D.P.S.		
APPROVED	12-20-83	E.E.Beeles		
② REVISION	3-22-01	J.F.Obispo		