



INDENTED HEAD MARKING MAXIMUM DEPTH .010"
"H" or "Y" or no letter indicates HI-SHEAR trademark.
"YS" indicates YOKI-SHAN trademark.
"SPS" indicates STANDARD PRESSED STEEL trademark.
The number or numbers following the trademark indicate first dash number.

hi-lok® hi-tigue® PIN
SEE SPECIFICATION FOR INSPECTION

hi-lok® hi-tigue® PIN AND COLLAR AFTER ASSEMBLY

FIRST DASH NO.	NOM. DIA.	A DIA.	B REF.	D DIA.		TD DIA.	F	H	K REF.	R RAD.	Z	S CHAMFER REF.	THREAD	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM	
				WITHOUT HI-KOTE™ LUBE	WITH HI-KOTE™ LUBE									W HEX.	T DEPTH	Y DIA.			
-5	3/16			NOTE: Use HLT43-6															
-6	7/32	.3813 .3765	.360	.2182 .2177	.2182 .2172	.1840 .1810	.005		.0684 .0664	.022	.030 .020	.015 .005	1/32" x 45°	10-32UNJF-3A Modified	.0806 .0791	.100 .080	.119 .104	7,100	2,750
-8	9/32	.5066 .5018	.435	.2807 .2802	.2807 .2797	.2440 .2410	.006	.0948 .0928	.027	.030 .020	.015 .005	1/32" x 45°	1/4-28UNJF-3A Modified	.0967 .0947	.110 .090	.142 .122	11,800	5,820	
-10	11/32	.6335 .6287	.545	.3432 .3427	.3432 .3422	.3060 .3020	.007	.1218 .1198	.032	.040 .030	.015 .005	3/64" x 45°	5/16-24UNJF-3A Modified	.1295 .1270	.130 .110	.180 .160	17,600	9,200	
-12	13/32	.7804 .7556	.590	.4057 .4052	.4057 .4047	.3690 .3640	.008	.1488 .1468	.036	.040 .030	.015 .005	3/64" x 45°	3/8-24UNJF-3A Modified	.1617 .1582	.180 .140	.217 .197	24,600	14,000	
-14	15/32	.8884 .8812	.690	.4682 .4677	.4682 .4672	.4310 .4260	.009	.1763 .1733	.035	.050 .040	.022 .005	3/64" x 45°	7/16-20UNJF-3A Modified	.1930 .1895	.190 .170	.253 .233	32,700	18,900	
-16	17/32	1.0139 1.0068	.740	.5307 .5302	.5307 .5297	.4930 .4880	.010	.2027 .1997	.045	.050 .040	.022 .005	3/64" x 45°	1/2-20UNJF-3A Modified	.2242 .2207	.220 .200	.289 .269	42,000	25,500	
-18	19/32	1.1408 1.1337	.825	.5927 .5922	.5927 .5917	.5550 .5500	.010	.2300 .2270	.041	.050 .040	.022 .005	1/16" x 45°	9/16-18UNJF-3A Modified	.2555 .2520	.260 .240	.326 .306	52,400	32,400	

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

- GENERAL NOTES:**
- Head edge out of roundness shall not exceed "F."
 - Concentricity: Conical surface of head to "D" diameter within .005 FIR.
 - "H" is dimensioned from maximum "D" diameter.
 - Surface texture per ANSI-46.1.
 - Hole preparation per NAS618.

CODE: First dash number indicates nominal diameter in 1/32nds which HLT243 oversize pin replaces.
Second dash number indicates maximum grip length in 1/16ths. See "Finish" note for explanation of code letters.

HOW TO ORDER EXAMPLES:

Pin Part Number Only
HLT243-8-8
8/16 or 1/2 Maximum Grip Length
Replaces 8/32 or 1/4 Nominal Diameter Pin
Pin Part Number

Pin and Collar Assembly Part Number Combination
HLT243286-8-8
Size and Grip Length, See Above Example
Collar Part Number
Pin Part Number

U.S. Patents 2,882,773; 2,947,491; 2,940,495; 3,027,789; 3,138,987; 3,578,387; design patent 191,883; other U.S. and Foreign patents granted and pending; property of HI-SHEAR CORPORATION. "HI-LOK" and "HI-TIGUE" are Registered Trademarks. "HI-KOTE" is a trademark of HI-SHEAR CORPORATION.

DRAWN	DATE	hi-lok® HI-TIGUE® PIN	
VAN	6-19-77	100° FLUSH MS24694 TENSION HEAD	
APPROVED	DATE	A-286 HIGH TEMPERATURE ALLOY	
J & Wilson	6-20-78	1/16" GRIP VARIATION - 1/32" OVERSIZE	
REVISION	DATE	DRAWING NUMBER	
		HLT243	

HLT243