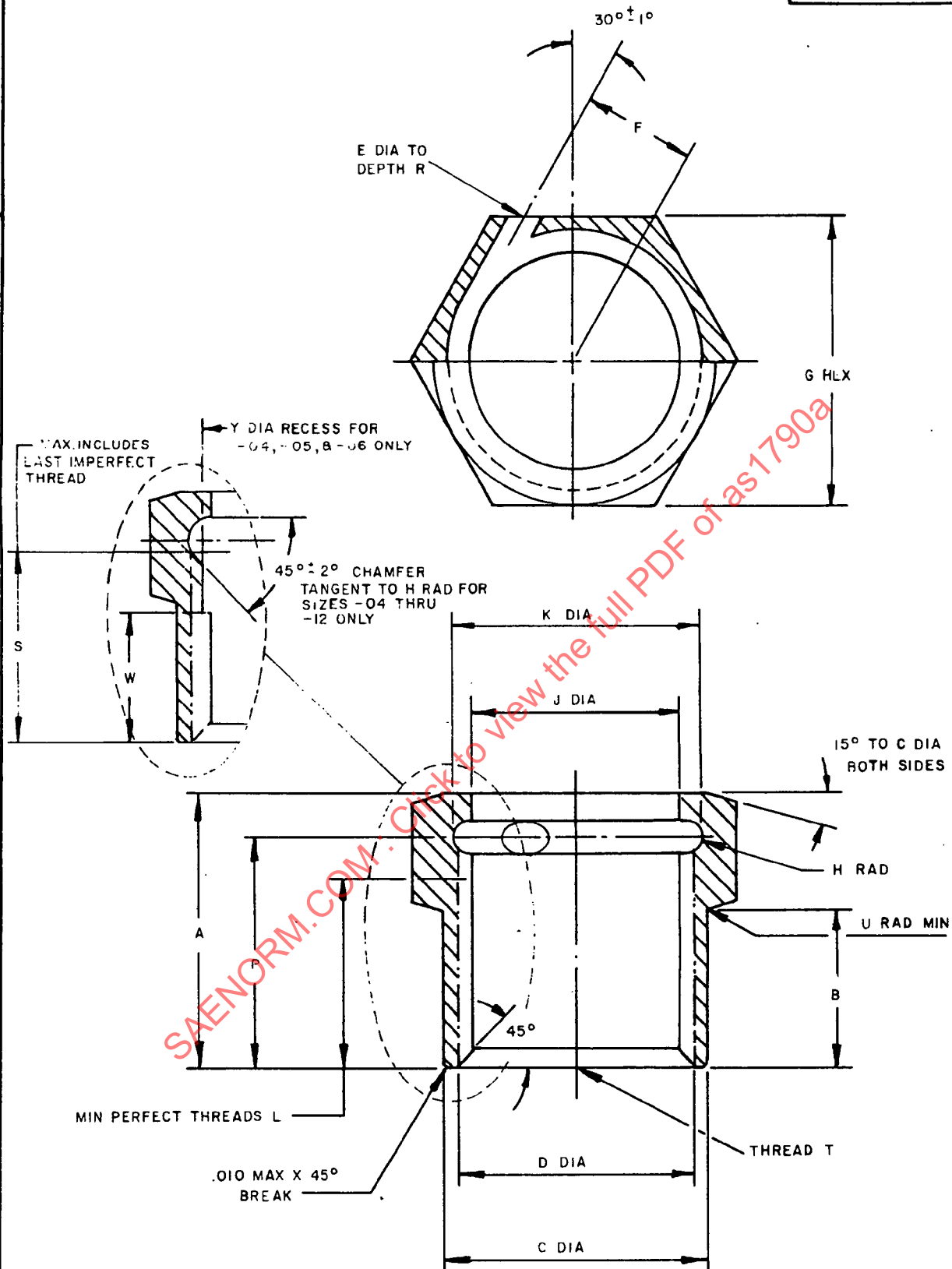




PREPARED BY SAE SUBCOMMITTEE G-3B, AEROSPACE FITTINGS, OF SAE COMMITTEE G-3, AEROSPACE FITTINGS, HOSE AND TUBING ASSEMBLIES

SAE The Engineering
Resource For
Advancing Mobility

400 Commonwealth Drive
Warrendale, PA 15096

AEROSPACE STANDARD

NUT - SWIVEL
WIRED ON, LIGHTWEIGHT

AS 1790

SHEET 1 OF 3

ISSUED MARCH 1983 REVISED (A) MAY 1984

NOTE: Angular tolerances are $\pm 5^\circ$ unless otherwise specified.

TUBE SIZE	* T THREAD PER MIL-S-8879	A $\pm .010$	B $\pm .010$	C $\pm .010$ - .000	D $\pm .020$ - .000	E $\pm .005$	F $\pm .005$	G HEX	H RAD $\pm .001$
-04	.4375-20UNJF-3B	.615	.304	.519	.446	.077	.194	.562	.038
-05	.5000-20UNJF-3B	.687	.376	.582	.509	.086	.224	.625	.043
-06	.5625-18UNJF-3B	.718	.407	.644	.571	.086	.252	.688	.043
-08	.7500-16UNJF-3B	.843	.500	.837	.759	.101	.341	.875	.050
-10	.8750-14UNJF-3B	.968	.625	.963	.884	.101	.396	1.000	.050
-12	1.0625-12UNJ -3B	1.015	.640	1.172	1.072	.131	.485	1.250	.065
-16	1.3125-12UNJ -3B	1.125	.750	1.422	1.322	.131	.610	1.500	.065
-20	1.6250-12UNJ -3B	1.168	.778	1.735	1.635	.131	.766	1.812	.065

TUBE SIZE	J DIAMETER	K $\pm .005$	L MIN	P $\pm .004$	R $\pm .015$	S MAX	U RAD MIN	W $\pm .015$	Y $\pm .015$
-04	.3888/ .3970	.461	.404	.500	.235	.500	.060	.328	.415
-05	.4513/ .4591	.531	.402	.550	.255	.542	.060	.344	.477
-06	.5084/ .5166	.588	.414	.573	.265	.569	.060	.344	.534
-08	.6892/ .5977	.781	.488	.660	.325	.647	.060		
-10	.8055/ .8152	.896	.544	.762	.365	.727	.070		
-12	.9814/ .9914	1.102	.550	.780	.465	.763	.085		
-16	1.2314/1.2414	1.352	.563	.875	.535	.813	.115		
-20	1.5439/1.5539	1.664	.589	.959	.735	.813	.115		

* NOTE: Thread gage must fit after application of "dry lube" when applicable.

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AEROSPACE STANDARD

NUT - SWIVEL
WIRED ON, LIGHTWEIGHT

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SHEET 2 OF 3