

FED. SUPPLY CLASS

4730

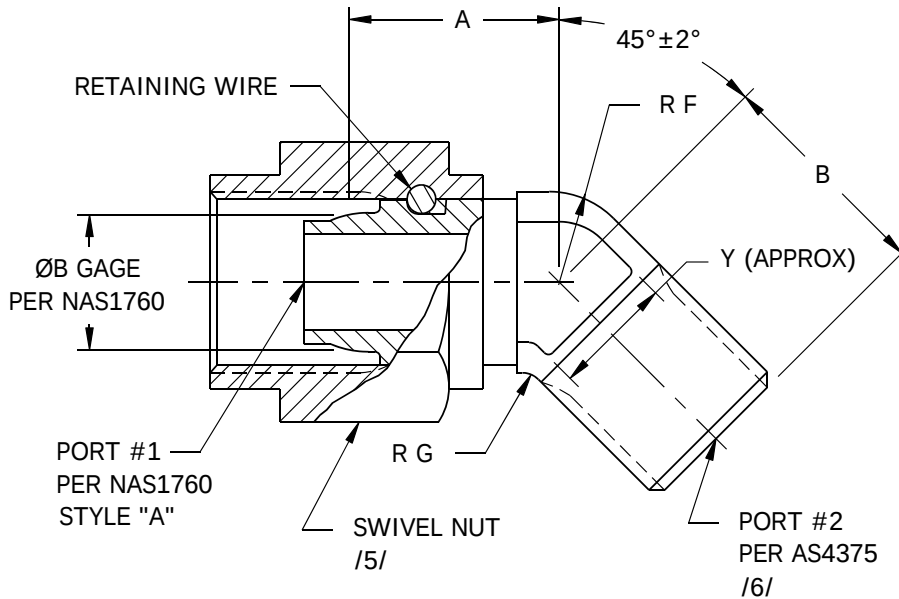


TABLE I – LEG LENGTH A

FORGING SIZE	A								
	TUBE SIZES FOR PORT #1								
	04	05	06	08	10	12	16	20	24
04	.581	--	--	--	--	--	--	--	--
05	.607	.659	--	--	--	--	--	--	--
06	.629	.681	.742	--	--	--	--	--	--
08	.658	.710	.771	.869	--	--	--	--	--
10	.715	.767	.828	.926	1.006	--	--	--	--
12	.723	.775	.836	.934	1.014	1.002	--	--	--
16	.788	.840	.901	.998	1.077	1.066	1.114	--	--
20	.853	.905	.966	1.063	1.142	1.131	1.179	1.262	--
24	.950	.957	1.018	1.115	1.194	1.183	1.231	1.314	1.491

③ COMPLETELY REVISED

THIRD
ANGLE
PROJECTION

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION
3

PROCUREMENT
SPECIFICATION

TITLE

CLASSIFICATION
PART STANDARD

NOTED

**ELBOW, REDUCER,
45°, FLARELESS TUBE TO SWIVEL**



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SHEET 1 OF 4

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TABLE II – LEG LENGTH B AND DIMENSIONS

FORGING SIZE	B									F RADIUS	G RADIUS	W	Y
	TUBE SIZES FOR PORT #2												
	04	05	06	08	10	12	16	20	24				
04	.703	--	--	--	--	--	--	--	--	.219	.062	.438	.31
05	.616	.719	--	--	--	--	--	--	--	.250	.062	.500	.31
06	.643	.659	.770	--	--	--	--	--	--	.281	.094	.563	.38
08	.681	.697	.697	.916	--	--	--	--	--	.375	.094	.750	.50
10	.707	.723	.723	.816	1.026	--	--	--	--	.437	.094	.875	.63
12	.746	.762	.762	.855	.918	1.148	--	--	--	.531	.094	1.063	.75
16	.811	.811	.827	.920	.983	1.046	1.213	--	--	.656	.125	1.312	1.00
20	.876	.876	.892	.985	1.048	1.111	1.111	1.278	--	.813	.125	1.625	1.25
24	.928	.928	.944	1.037	1.100	1.163	1.163	1.163	1.330	.938	.125	1.875	1.50

MATERIAL:

BODY: STEEL - 4130 (UNS G41300) PER ~~MIL-S-6758~~ AMS-S-6758
ALUMINUM - 2014-T6 (UNS A92014) OR 7075-T73 (UNS A97075) PER AMS-QQ-A-367; 2024-T6, -T62 OR -T851 (UNS A92024) PER AMS-QQ-A-225/6; OR 7075-T73 (UNS A97075) PER AMS-QQ-A-225/9
CRES - 304 (UNS S30400), 316 (UNS SS31600), OR 347 (UNS S34700) PER AMS-QQ-S-763
TITANIUM - 6AL-4V (UNS R56400) PER ~~MIL-T-9047~~ AMS-T-9047 COND A OR AMS4928

NUT: STEEL - 4130 (UNS G41300) PER ~~MIL-S-6758~~ AMS-S-6758; 1137 (UNS G11370); OR 1141 (UNS G11410) PER ASTM A 108
ALUMINUM - 2014-T6 (UNS A92014) OR 7075-T73 (UNS A97075) PER AMS-QQ-A-367; 2024-T6, -T62 OR -T851 (UNS A92024) PER AMS-QQ-A-225/6; OR 7075-T73 (UNS A97075) PER AMS-QQ-A-225/9
CRES - 304 (UNS S30400), 316 (UNS SS31600), OR 347 (UNS S34700) PER AMS-QQ-S-763
TITANIUM - 6AL-4V (UNS R56400) PER ~~MIL-T-9047~~ AMS-T-9047 COND A OR AMS4928

RETAINING WIRE: CRES - TYPE 302 (UNS S30200) ANNEALED PER ASTM A 493 OR CLASS 305 (UNS S30500) PER ~~AMS5685~~ AS5685

HEAT TREATMENT:

SEE PROCUREMENT SPECIFICATION.

FINISH:

CARBON STEEL - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
CRES - PASSIVATE PER AMS2700, METHOD 1, CLASS 4
ALUMINUM ALLOY - ANODIZE PER MIL-A-8625, AS SPECIFIED IN AS18280.
TITANIUM ALLOY - FLUORIDE CONVERSION COAT PER AMS2486

MARKING:

PER AS18280 EXCEPT NAME, TRADEMARK OR FEDERAL CODE IDENTIFICATION OF FORGING SOURCE SHALL BE INCLUDED. OMISSION OF THE LETTERS "MS" ON THE PART SHALL NOT BE CAUSE FOR REJECTION.

REVISION

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SHEET 2

③ COMPLETELY REVISED