

FED. SUPPLY CLASS

4730

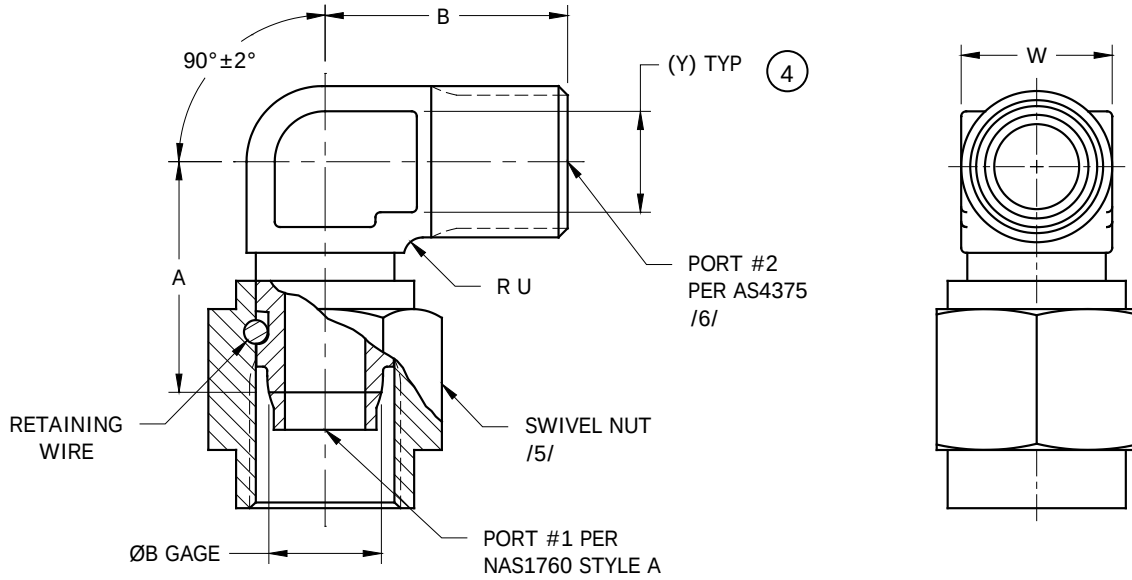


TABLE I – LEG LENGTH A

FORGING SIZE	A								
	TUBE SIZE FOR PORT #1								
	04	05	06	08	10	12	16	20	24
04	.745	--	--	--	--	--	--	--	--
05	.790	.842	--	--	--	--	--	--	--
06	.847	.899	.960	--	--	--	--	--	--
08	.932	.984	1.045	1.143	--	--	--	--	--
10	1.026	1.078	1.139	1.237	1.317	--	--	--	--
12	1.088	1.140	1.201	1.299	1.379	1.367	--	--	--
16	1.244	1.296	1.357	1.454	1.533	1.522	1.570	--	--
20	1.401	1.453	1.514	1.611	1.690	1.679	1.727	1.810	--
24	1.526	1.578	1.639	1.736	1.815	1.804	1.852	1.935	2.112

THIRD
ANGLE
PROJECTION

PROCUREMENT
SPECIFICATION

4 AS18280

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

**ELBOW REDUCER,
90°, FLARELESS TUBE TO SWIVEL**

REVISION

4

CLASSIFICATION
PART STANDARD

NAS1762

SHEET 1 OF 3

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE:

FORM 12-01

REVISION DATE: JULY 31, 2018

ISSUE DATE: OCTOBER 1973

TABLE II – LEG LENGTH B AND DIMENSIONS

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FORGING SIZE	B									U RADIUS	W	(Y) TUBE OD
	TUBE SIZE FOR PORT #2											
	04	05	06	08	10	12	16	20	24			
04	.883	--	--	--	--	--	--	--	--	.062	.438	.250
05	.799	.914	--	--	--	--	--	--	--	.062	.500	.312
06	.861	.861	1.003	--	--	--	--	--	--	.094	.563	.375
08	.955	.955	.971	1.204	--	--	--	--	--	.094	.750	.500
10	1.018	1.018	1.034	1.127	1.380	--	--	--	--	.094	.875	.625
12	1.111	1.111	1.127	1.220	1.283	1.560	--	--	--	.094	1.063	.750
16	1.267	1.267	1.283	1.376	1.439	1.502	1.684	--	--	.125	1.312	1.000
20	1.424	1.424	1.440	1.533	1.596	1.659	1.659	1.903	--	.125	1.625	1.250
24	1.549	1.549	1.565	1.658	1.721	1.784	1.784	1.784	2.028	.125	1.875	1.500

MATERIAL:

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BODY: ALLOY 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
- 7075-T73 (UNS A97075) PER AMS-QQ-A-225/9
CRES - 304 (UNS S30400), 316 (UNS S31600), OR 347 (UNS S34700) PER AMS-QQ-S-763
TITANIUM - 6AL-4V (UNS R56400) PER MIL-T-9047 AMS-T-9047 COND A AMS6931 OR AMS4928

NUT: ALLOY STEEL - 4130 (UNS G41300) PER MIL-S-6758 AMS-S-6758
- 1137 (UNS G11370) OR 1141 (UNS G11410) PER ASTM A108
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
- 7075-T73 (UNS A97075) PER AMS-QQ-A-225/9
CRES - 304 (UNS S30400), 316 (UNS S31600), OR 347 (UNS S34700) PER AMS-QQ-S-763
TITANIUM - 6AL-4V (UNS R56400) PER MIL-T-9047 AMS-T-9047 COND A AMS6931 OR AMS4928

RETAINING WIRE: CRES - 302 (UNS S30200) ANNEALED PER ASTM A493, OR 305 (UNS S30500) PER
AMS5685 AS5685

HEAT TREATMENT:

SEE PROCUREMENT SPECIFICATION.

FINISH:

4 ALLOY 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

CODE:

4 NAS1762 J 08 12
BASIC NUMBER ———— PORT #2 PER AS4375, STYLE E OR G /6/ /12/
MATERIAL: ———— PORT #1 PER NAS1760, STYLE A /12/

"-" = ALLOY STEEL
"D" = AL ALLOY, 2014 OR 2024 BODY AND NUT
"J" = CRES 304
"K" = CRES 316
"S" = CRES 347
"T" = TI ALLOY 6AL-4V
"W" = AL ALLOY, 7075 BODY AND NUT

REVISION

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NAS1762
SHEET 2



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