RATIONALE

AS1012 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

FEDERAL SUPPLY CLASS

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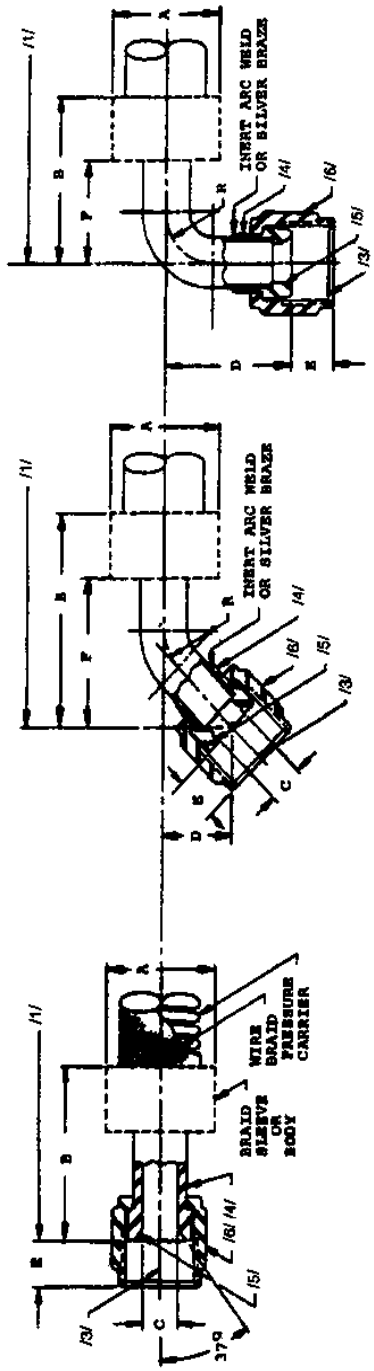
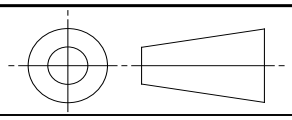


45° ELBOW STYLE

FIGURE 1

STRAIGHT STYLE

THIRD ANGLE PROJECTION



ISSUED 1960-07 REAFFIRMED 2014-10

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AEROSPACE STANDARD

FITTING END; ATTACHABLE, SWIVEL FEMALE 37° MACHINED FLARE, FLEXIBLE METAL HOSE - STRAIGHT 45° ELBOW AND 90° ELBOW STYLES

AS1012

SHEET 1 OF 3

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TABLE 1

BASIC DIMENSIONS - SWIVEL FEMALE, 37° MACHINED FLARE								STRAIGHT STYLE		45° ELBOW STYLE					
SIZE DASH NO.	HOSE ID TUBE OD	A TURN DIA.	C ID	E		R		B		B		D		F	
	REF.	MAX.	MIN.	DIM.	TOL.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
3	3/16	.725	.089	.337	±.016	.172	.203	.910	1.690	.656	1.656	.250	.453	.391	1.000
4	1/4	.798	.146	.375	±.036	.234	.266	1.020	1.690	.750	1.844	.286	.563	.422	1.047
5	5/16	.870	.177	.375	±.030	.297	.328	1.050	2.000	.828	1.938	.328	.625	.516	1.141
6	3/8	.943	.271	.375	±.030	.359	.391	1.070	2.000	.891	1.984	.359	.672	.594	1.266
8	1/2	1.160	.365	.438	±.030	.484	.516	1.180	2.125	1.109	2.438	.453	.750	.719	1.469
10	5/8	1.303	.455	.515	±.030	.609	.641	1.350	2.375	1.281	2.563	.516	.828	.844	1.656
12	3/4	1.592	.568	.562	±.030	.734	.766	1.430	2.500	1.500	2.781	.563	.844	.938	1.922
16	1	1.895	.778	.620	±.030	.969	1.031	1.690	2.641	1.703	3.094	.656	.969	1.125	2.281
20	1-1/4	2.329	1.031	.620	±.030	1.219	1.281	1.830	2.808	2.141	3.484	.781	1.094	1.375	2.500
24	1-1/2	2.622	1.276	.765	±.030	1.469	1.531	2.060	3.340	2.406	4.250	.906	1.219	1.578	3.313
32	2	3.344	1.745	.937	±.030	1.969	2.031	2.703	3.500	2.859	4.375	1.234	1.469	2.047	3.313

SIZE DASH NO.	90° ELBOW STYLE					
	B		D		F	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
3	.484	1.328	.484	.875	.172	.578
4	.547	1.438	.547	.938	.234	.641
5	.609	1.500	.656	1.063	.297	.703
6	.672	1.547	.750	1.172	.359	.828
8	.891	1.984	.938	1.359	.484	1.016
10	1.078	2.109	1.109	1.531	.609	1.203
12	1.297	2.375	1.266	1.641	.734	1.516
16	1.531	2.734	1.531	1.969	.969	1.906
20	2.016	3.141	1.859	2.297	1.219	2.156
24	2.281	3.500	2.172	2.609	1.469	3.031
32	2.781	4.094	2.906	3.250	1.969	3.031

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