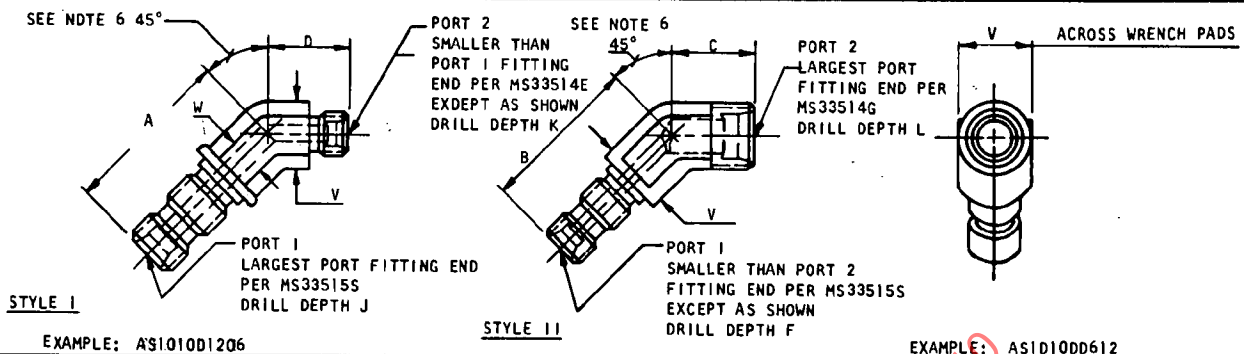


ELBOW, 45° REDUCER, FLARELESS TUBE

Issued 3-15-66
Revised



FORGING SIZE	A ±.016	C ±.016	V ±.016	W APPROX	J ±.016	L ±.016
3	1.352	.680	.375	.219	1.344	.672
4	1.477	.711	.438	.312	1.469	.703
5	1.477	.742	.500	.312	1.484	.750
6	1.586	.836	.562	.375	1.609	.859
8	1.836	.992	.750	.500	1.875	1.031
10	2.070	1.086	.875	.625	2.125	1.141
12	2.273	1.273	1.062	.625	2.359	1.359
16	2.398	1.367	1.312	1.000	2.531	1.500
20	2.430	1.461	1.625	1.250	2.609	1.641
24	2.445	1.555	1.875	1.500	2.672	1.781
32	2.602	1.836	2.562	2.000	2.922	2.156

LEG LENGTH B ±.016											
FORGING SIZE											
3	1.305	1.367	1.367	1.430	1.508	1.601	1.695	1.820	1.852	1.867	1.821
4	1.414	1.414	1.477	1.555	1.648	1.742	1.867	1.899	1.914	1.868	1.821
5	1.477	1.540	1.618	1.711	1.805	1.930	1.962	1.977	1.931	1.931	1.821
6	1.540	1.618	1.711	1.805	1.930	1.962	1.977	1.931	1.931	1.931	1.821
8	1.664	1.757	1.851	1.976	2.008	2.023	2.023	2.023	2.023	2.023	1.977
10	1.929	2.023	2.148	2.180	2.195	2.195	2.195	2.195	2.195	2.195	2.149
12	2.164	2.289	2.321	2.386	2.290	2.290	2.290	2.290	2.290	2.290	2.290
16	2.398	2.430	2.445	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399
20	2.430	2.445	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399
24	2.445	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399
32	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399	2.399

LEG LENGTH D ±.016											
FORGING SIZE											
3	.633	.664	.742	.805	.836	.960	1.054	1.148	1.242	1.523	2
4	.680	.711	.789	.852	.883	1.007	1.101	1.195	1.289	1.570	3
5	.742	.820	.883	.914	1.038	1.132	1.226	1.320	1.601	1.601	4
6	.820	.883	.914	1.038	1.132	1.226	1.320	1.601	1.601	1.601	5
8	.899	.930	1.054	1.148	1.242	1.336	1.617	1.617	1.617	1.617	6
10	1.023	1.147	1.241	1.335	1.429	1.710	1.710	1.710	1.710	1.710	8
12	1.210	1.304	1.398	1.492	1.773	1.773	1.773	1.773	1.773	1.773	10
16	1.367	1.461	1.555	1.836	1.836	1.836	1.836	1.836	1.836	1.836	12
20	1.461	1.555	1.836	1.836	1.836	1.836	1.836	1.836	1.836	1.836	16
24	1.555	1.836	1.836	1.836	1.836	1.836	1.836	1.836	1.836	1.836	20
32	1.836	1.836	1.836	1.836	1.836	1.836	1.836	1.836	1.836	1.836	24

DRILL DEPTH F ±.016											
FORGING SIZE											
3	1.312	1.406	1.453	1.547	1.719	1.859	2.062	2.344	2.531	2.719	3.000
4	1.438	1.500	1.578	1.750	1.891	2.094	2.125	2.562	2.750	3.031	3
5	1.516	1.609	1.781	1.922	2.125	2.406	2.594	2.781	3.062	3.062	4
6	1.594	1.734	1.906	2.109	2.391	2.578	2.766	3.000	3.000	3.000	5
8	1.766	1.922	2.125	2.406	2.594	2.781	3.016	3.016	3.016	3.016	6
10	2.031	2.234	2.516	2.703	2.891	3.172	3.172	3.172	3.172	3.172	8
12	2.328	2.609	2.797	2.984	3.272	3.272	3.272	3.272	3.272	3.272	10
16	2.641	2.828	2.969	3.297	3.297	3.297	3.297	3.297	3.297	3.297	12
20	2.719	2.906	3.188	3.188	3.188	3.188	3.188	3.188	3.188	3.188	16
24	2.797	3.078	3.078	3.078	3.078	3.078	3.078	3.078	3.078	3.078	20
32	2.953	3.078	3.078	3.078	3.078	3.078	3.078	3.078	3.078	3.078	24

Section 8.3 of the SAE Technical Board rules provides that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE standard or recommended practice, and no commitment to conform to or be guided by any technical report, in formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."