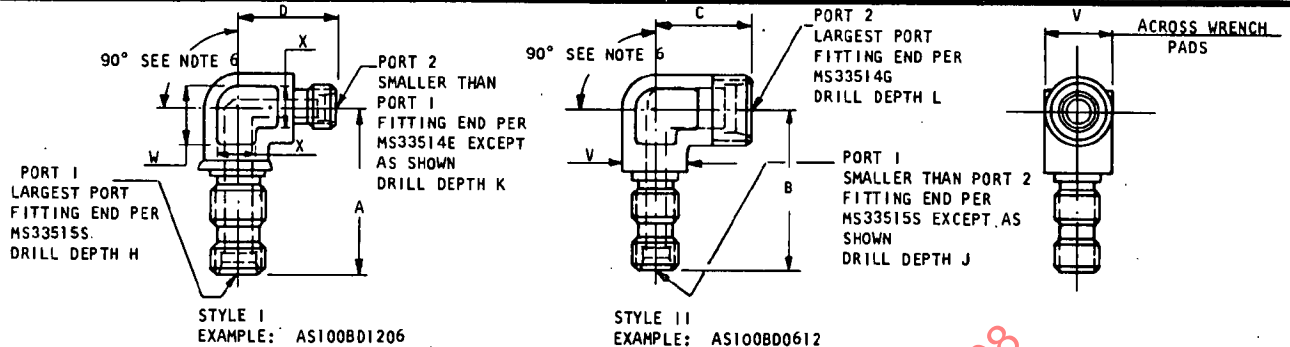


ELBOW, 90°, REDUCER, BULKHEAD, FLARELESS TUBE

Issued 3-15-66
Revised



FORGING SIZE	A ±.016	H ±.016	C ±.016	L ±.016	V ±.016	W APPROX	X APPROX
3	1.414	1.406	.930	.922	.375	.312	.250
4	1.523	1.531	.966	.969	.438	.375	.250
5	1.555	1.562	1.055	1.062	.500	.500	.312
6	1.711	1.734	1.086	1.109	.562	.500	.312
8	1.992	2.047	1.336	1.391	.750	.625	.438
10	2.273	2.344	1.524	1.594	.875	.750	.438
12	2.492	2.594	1.649	1.750	1.062	.875	.500
16	2.617	2.766	1.742	1.891	1.312	1.062	.625
20	2.898	3.094	2.023	2.219	1.625	1.250	.750
24	3.180	3.422	2.211	2.453	1.875	1.438	.875
32	3.773	4.109	2.398	2.734	2.562	1.938	1.188

LEG LENGTH B ±.016												
FORGING SIZE												
3	4	5	6	8	10	12	16	20	24	32		
1.367	1.413	1.445	1.555	1.664	1.804	1.914	2.039	2.320	2.602	2.992	2	PORT #1 SIZE
	1.460	1.492	1.602	1.711	1.851	1.961	2.086	2.367	2.649	3.039	3	
		1.555	1.665	1.774	1.914	2.024	2.149	2.430	2.712	3.102	4	
			1.665	1.774	1.914	2.024	2.149	2.430	2.712	3.102	5	
				1.820	1.960	2.070	2.195	2.476	2.758	3.148	6	
					2.132	2.242	2.367	2.648	2.930	3.320	8	
						2.383	2.508	2.789	3.071	3.461	10	
							2.617	2.898	3.180	3.570	12	
								2.898	3.180	3.570	16	
									3.180	3.570	20	
										3.570	24	

LEG LENGTH D ±.016											2,132	2
FORGING SIZE												2
3	4	5	6	8	10	12	16	20	24	32		
.883	.883	.977	.992	1.149	1.274	1.335	1.429	1.710	1.898	2.085	2	
	.930	1.024	1.039	1.196	1.320	1.383	1.476	1.757	1.945	2.132	3	
		1.055	1.070	1.227	1.352	1.414	1.507	1.788	1.976	2.163	4	
			1.070	1.227	1.352	1.414	1.507	1.788	1.976	2.163	5	
				1.243	1.368	1.430	1.523	1.804	1.992	2.179	6	
					1.461	1.523	1.616	1.897	2.085	2.272	8	
						1.586	1.679	1.960	2.148	2.335	10	
							1.742	2.023	2.211	2.398	12	
								2.023	2.211	2.398	16	
									2.211	2.398	20	
										2.398	24	

PORT #2 SIZE

DRILL DEPTH J ±.016													PDR# #1 SIZE
FORGING SIZE													
3	4	5	6	8	10	12	16	20	24	32			
1.344	1.438	1.500	1.641	1.797	1.984	2.172	2.406	2.797	3.203	3.828	2		
	1.484	1.531	1.672	1.844	2.031	2.219	2.453	2.844	3.250	3.875	3		
		1.578	1.719	1.891	2.078	2.266	2.500	2.891	3.297	3.922	4		
			1.703	1.875	2.062	2.250	2.484	2.875	3.281	3.906	5		
				1.906	2.093	2.281	2.516	2.891	3.312	3.922	6		
					2.219	2.406	2.641	3.031	3.438	4.062	8		
						2.531	2.766	3.156	3.562	4.188	10		
							2.828	3.219	3.625	4.250	12		
								3.141	3.547	3.172	16		
									3.500	4.125	20		
										4.047	24		

DRILL DEPTH K ±.016												FOR #2 SIZE
FORGING SIZE												
3	4	5	6	8	10	12	16	20	24	32		
.859	.906	1.031	1.078	1.297	1.453	1.594	1.797	2.188	2.500	2.922	2	
	.953	1.062	1.109	1.328	1.500	1.641	1.844	2.234	2.547	2.969	3	
		1.078	1.125	1.344	1.516	1.656	1.859	2.234	2.562	2.984	4	
			1.109	1.328	1.500	1.641	1.844	2.234	2.547	2.969	5	
				1.328	1.500	1.641	1.844	2.219	2.547	2.953	6	
					1.547	1.688	1.891	2.281	2.594	3.016	8	
						1.734	1.938	2.328	2.641	3.062	10	
							1.953	2.344	2.656	3.078	12	
								2.266	2.578	3.000	16	
									2.531	2.953	20	
										2.875	24	

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