

The Cutting Edge Source
For Your Metal Needs

Alloy / Temper	Specified Thickness Range	Ultimate		Yield		Elongation Percent Min. in 2 in. or 4D
		Min.	Max.	Min.	Max.	
3004 / O	.006 - .007	22	29	8.5	----	----
	.008 - .019	22	29	8.5	----	10
	.020 - .031	22	29	8.5	----	14
	.032 - .050	22	29	8.5	----	16
	.051 - .249	22	29	8.5	----	18
	.250 - 3.000	22	29	8.5	----	16
3004 / H32	.017 - .019	28	35	21	----	1
	.020 - .031	28	35	21	----	3
	.032 - .050	28	35	21	----	4
	.051 - .113	28	35	21	----	5
	.114 - 2.000	28	35	21	----	6
3004 / H34	.009 - .019	32	38	25	----	1
	.020 - .050	32	38	25	----	3
	.051 - .113	32	38	25	----	4
	.114 - 1.000	32	38	25	----	5
3004 / H36	.006 - .007	35	41	28	----	----
	.008 - .019	35	41	28	----	1
	.020 - .031	35	41	28	----	2
	.032 - .050	35	41	28	----	3
	.051 - .162	35	41	28	----	4
3004 / H38	.006 - .007	38	----	31	----	----
	.008 - .019	38	----	31	----	1
	.020 - .031	38	----	31	----	2
	.032 - .050	38	----	31	----	3
	.051 - .128	38	----	31	----	4
3004 / H112	.250 - 3.000	23	----	9	----	7

Recommended Minimum Bend Radii for 90-Degree Cold Forming of Sheet & Plate

Temper	1/64 in.	1/32 in.	1/16 in.	1/8 in.	3/16 in.	1/4 in.	3/8 in.	1/2 in.
O	0	0	0	1/2t	1t	1t	1t	1 1/2t
H32	0	0	1/2t	1t	1t	1 1/2t	1 1/2t	2t
H34	0	1t	1t	1 1/2t	1 1/2t	2 1/2t	2 1/2t	3t
H36	1t	1t	1 1/2t	2 1/2t	3t	3 1/2t	4t	4 1/2t
H38	1t	1 1/2t	2 1/2t	3t	4t	5t	5 1/2t	6 1/2t