

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.	
3003 / O	.006 - .007	14	19	5	----	14
	.008 - .012	14	19	5	----	18
	.013 - .031	14	19	5	----	20
	.032 - .050	14	19	5	----	23
	.050 - .249	14	19	5	----	25
	.250 - 3.000	14	19	5	----	23
3003 / H12	.017 - .019	17	23	12	----	3
	.020 - .031	17	23	12	----	4
	.032 - .050	17	23	12	----	5
	.051 - .113	17	23	12	----	6
	.114 - .161	17	23	12	----	7
	.162 - .249	17	23	12	----	8
	.250 - .499	17	23	12	----	9
	.500 - 2.000	17	23	12	----	10
3003 / H14	.009 - .012	20	26	17	----	1
	.013 - .019	20	26	17	----	2
	.020 - .031	20	26	17	----	3
	.032 - .050	20	26	17	----	4
	.051 - .113	20	26	17	----	5
	.114 - .161	20	26	17	----	6
	.162 - .249	20	26	17	----	7
	.250 - .499	20	26	17	----	8
	.500 - 1.000	20	26	17	----	10
3003 / H16	.006 - .019	24	30	21	----	1
	.020 - .031	24	30	21	----	2
	.032 - .050	24	30	21	----	3
	.051 - .162	24	30	21	----	4
3003 / H18	.006 - .019	27	----	24	----	1
	.020 - .031	27	----	24	----	2
	.032 - .050	27	----	24	----	3
	.051 - .128	27	----	24	----	4

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		Min.	Max.	Min.	Max.	
3003 / H19	.006 - .063	29	----	----	----	1
3003 / H112	.250 - .499	17	----	10	----	8
	.500 - 2.000	15	----	6	----	12
	2.001 - 3.000	14.5	----	6	----	18

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	0	1/2t	1t	1t	1 1/2t
H12	0	0	0	1/2t	1t	1t	1 1/2t	2t
H14	0	0	0	1t	1t	1 1/2t	2t	2 1/2t
H16	1/2t	1t	1t	1 1/2t	2 1/2t	3t	3 1/2t	4t
H18	1t	1 1/2t	2t	2 1/2t	3 1/2t	4 1/2t	5 1/2t	6 1/2t