



# BICO STEEL

# A36

## Standard Low Carbon Steel, Without Advanced Alloying

### A36 Specifications

Specification	A36	A36	A36	A36	A36
<b>Type of Steel</b>	Carbon	Carbon	Carbon	Carbon	Carbon
<b>Requirements for Delivery</b>	A6	A6	A6	A6	A6
<b>Tensile Strength (ksi)</b>	58/80	58/80	58/80	58/80	58/80
<b>Yield Strength (Min. ksi) Yield point if designated YP)</b>	36 YP	36 YP	36 YP	36 YP	36 YP over 4-8" incl.; 32 YP over 8"
<b>Spec. Thickness (Max. in.)</b>	.75	> .75 to 1.5	> 1.5 to 2.5	> 2.5 to 4	over 4
<b>Thickness (Max. in.)</b>	.75	> .75 to 1.5	> 1.5 to 2.5	> 2.5 to 4	28
<b>Chemical Composition</b>	Unless a range is specified, individual values are maximums				
<b>Carbon</b>	.25	.25	.26	.27	.29
<b>Manganese</b>	-	.80 / 1.20*	.80 / 1.20*	.80 / 1.20*	.80 / 1.20*
<b>Phosphorus</b>	.04	.04	.04	.04	.04
<b>Sulfur</b>	.05	.05	.05	.05	.05
<b>Silicon</b>	.40	.40	.15 / .40	.15 / .40	.15 / .40
<b>Chromium</b>	-	-	-	-	-
<b>Nickel</b>	-	-	-	-	-
<b>Molybdenum</b>	-	-	-	-	-
<b>Copper</b>	.20 Min. when specified	.20 Min. when specified	.20 Min. when specified	.20 Min. when specified	.20 Min. when specified
<b>Other Elements</b>	-	-	-	-	-
<b>Remarks</b>	-	-	-	-	-

NOTE: \* For each reduction of 0.01% below the carbon maximum, an increase of 0.06% manganese above the specified maximum is permitted, up to 1.35%.