

ALCAN CONTINUOUS CAST ROD

DELIVERING ON TIME - WORLDWIDE

STANDARD COIL DIMENSIONS - DOMESTIC

Weight lbs / kg	Inner Diameter in. / mm	Outer Diameter in. / mm	Width in. / mm
4630 / 2100	30 / 770	60 / 1500	33 / 840
5400 / 2450	30 / 770	62 / 1575	33 / 840

STANDARD COIL DIMENSIONS – EXPORT

Weight lbs / kg	Inner Diameter in. / mm	Outer Diameter in. / mm	Width in. / mm
4300 / 1950	30 / 770	57 / 1450	33 / 840
5400 / 2450	30 / 770	62 / 1575	33 / 840

STANDARD NOMINAL ROD DIAMETERS

Diameter in. / mm	Tolerances in. / mm
0.375 / 9.5	+/- 0.008 / +/- 0.20
0.472 / 12.0	+/- 0.008 / +/- 0.20

MECHANICAL PROPERTIES

Alloy & Temper Designation	Ultimate Tensile Strength Range ksi / MPa		Various Applications
1080-F	15.0 – 20.0	103 – 138	Mechanical wire
1100-H14	16.0 – 21.0	110 – 145	Cold heading, metallizing wire
1188-F	15.0 – 20.0	103 – 138	Metallizing
1350-O	8.5 – 14.0	59 – 97	Electrical cable
1350-H12	12.0 – 17.0	83 – 117	
1350-H14	15.0 – 20.0	103 – 138	
1350-H16	17.0 – 22.0	117 – 152	
5005-H12	17.0 – 23.0	117 – 159	
5005-H16	24.0 – 30.0	165 - 207	
5052	31.0 – 37.0	230 – 260	Chain link fence, nail, cold heading, strip
5154-F	39.0 – 45.0	269 – 310	Nail wire
5154A-F	35.0 – 42.0	245 – 290	Insect screen, braid wire, strip
6061-T1	25.0 – 32.0	179 – 221	Armour rod stock, cold heading, nail
6061-F	25.0 – 30.0	172 – 207	
6101-T4	26.0 – 33.5	179 – 231	Electrical cable
6201-T4	26.0 – 33.5	179 – 231	Electrical cable
8030	16.0 – 21.0	110 – 145	Electrical cable
8176-H12	16.0 – 21.0	110 – 145	Electrical cable

PRODUCT IDENTIFICATION

Each coil has a tag showing the following:

- Supplier's name or identification
- Production plant
- Alloy designation and temper
- Tensile range
- Rod diameter
- Batch number
- Coil number
- Net weight
- Date of production

The bar code on each tag identifies:

- Specification number
- Rod diameter
- Net weight
- Coil number

Release notes and certificates for each shipment include:

- Coil numbers
- Batch number
- Actual mechanical properties