

HISTORY OF STEEL GRADES (Canam Canada)



YEAR	DESCRIPTION
1961	<p><i>Start of production at the St. Gédéon de Beauce plant (Quebec)</i></p> <ul style="list-style-type: none"> • Steel A6 • $F_y = 36$ ksi
1970	<ul style="list-style-type: none"> • Round bar: $F_y = 44$ ksi (equivalent to G40.21 44W steel) • Coils used for cold-formed angles: $F_y = 50$ ksi (equivalent to G40.21 50W steel) • Hot-rolled angles: $F_y = 50$ ksi (equivalent to G40.21 50W steel)
1974	<ul style="list-style-type: none"> • Introduction of cold-formed U-shaped sections • Thicknesses of 0.090" and 0.118"
1975	<ul style="list-style-type: none"> • Higher steel grades for angles and U-shaped sections • Hot-rolled angles: $F_y = 55$ ksi when < 4" otherwise $F_y = 44$ ksi • Cold-formed angles and U-shaped sections (ASTM A607 Grade 50): $F_y = 50$ ksi • Round bar: $F_y = 44$ ksi (equivalent to G40.21 44W steel)
1978	<ul style="list-style-type: none"> • New coil thicknesses: 0.157", 0.197" and 0.236"
1984	<p><i>Start of production at the Mississauga plant (Ontario)</i></p>
1984 - 1987	<p>Mississauga only:</p> <ul style="list-style-type: none"> • Hot-rolled angles: $F_y = 50$ ksi when < 4" otherwise $F_y = 44$ ksi • Round bar: $F_y = 44$ ksi
May 1987	<p>St. Gédéon de Beauce and Mississauga only:</p> <ul style="list-style-type: none"> • Higher steel grade for round bar: $F_y = 50$ ksi (equivalent to G40.21 50W steel) <p>Mississauga only:</p> <ul style="list-style-type: none"> • Higher steel grade for hot-rolled angles: $F_y = 55$ ksi when < 4" otherwise $F_y = 44$ ksi
May 1992	<p>St. Gédéon de Beauce and Mississauga only:</p> <ul style="list-style-type: none"> • Higher steel grades for cold-formed angles and U-shaped sections (ASTM A607 Grade 55): $F_y = 55$ ksi
1996	<p><i>Start of production at the Calgary plant (Alberta)</i></p> <ul style="list-style-type: none"> • Since May 1992, the steel grades used in our three plants have remained unchanged.

Reference: Handbook of Steel Construction, Tenth Edition, Structural Steels-Historical Remarks, p.6-4
 When confronted with an unidentified structural steel, Clause 5.2.2 of CSA-S16-01 requires that F_y be taken as 210 MPa and F_u as 380 MPa.