

# Automotive Fact sheet

	Type	Standard	Size		Grades/Quality	Special coatings and protection
			Outside diameter	Wall thickness		
Czech Republic Karviná	Welded cold sized tubes	EN 10305-3, EN 10305-5, ASTM 513, JIS	10.0mm - 70.0mm	0.8mm - 3.0mm	Customer specific	Customer specific
	Cold drawn welded tubes	EN 10305-2	10.0mm - 115.0mm	0.6mm - 4.0mm	Customer specific	Customer specific
France Chevillon	Welded cold sized tubes	EN 10305-3, EN 10305-5, ASTM 513, JIS	8.0mm - 50.0mm	0.6mm - 3.0mm	Customer specific	Customer specific
France Hautmont	Welded cold sized tubes	EN 10305-3, EN 10305-5, ASTM 513, JIS	20.0mm - 135.0mm	0.8mm - 6.0mm	Customer specific	Customer specific
France Vitry le François	Cold formed tubular components for chassis and crash applications	According to customer specification	Current production tubular components from 20.0mm to 130.0mm	Current production : tubular components from 1.2mm to 7mm	From low carbon to high yield strength	Cataphoresis, galvanizing
South Africa Vereeniging	Cold drawn seamless tubes	ASTM A519			1010, 1012, 1018, 1518, 1541	* Varnish (solvent based non-toxic phenolic lacquer)
		EN 10305-1			E215, E235, E355	
		ASTMA 179, ASTM 92, ASTM 210	20 - 101.6 mm	2.11 - 12.78 mm	Grade A-1, Grade C	
		DIN 2391, DIN 1629, DIN 6323	20 - 140 mm	2.0 - 18 mm	Pt 2 St 52, St 52, Pt3, Pt4, Grade 3, Grade 4	
Canada Brampton	Welded cold sized tubes	ASTM 513	0.472" - 3.0"	0.022" - 0.125"	Carbon base grades 1006-1050, HSLA, AHSS	
Canada Hamilton	Welded cold sized tubes	ASTM 513	2.0" - 6.5"	0.039" - 0.2"	Carbon base grades 1006-1050, HSLA, AHSS	
Canada London	Cold formed tubular components (axle assemblies and structural crossmembers)	According to customer specification	According to customer specification	According to customer specification	From low carbon to high yield strength	
Canada Woodstock	Welded cold sized tubes	ASTM 513	0.75" - 7.5"	0.032" - 0.46"	Customer specific	
	Cold drawn welded tubes	ASTM 513	0.504" - 5.56"	0.065" - 0.26"	Customer specific	

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Mexico Monterrey	Welded cold sized tubes	ASTM 513	0.5" - 6.625"	0.03" - 0.189"	Carbon base grades 1006-1050, HSLA, AHSS	Galvanized, galvanneal, galvalume
USA Marion	Welded cold sized tubes	ASTM A513, SA178/214	1.0" - 6.0"	0.065" - 0.313"	1006 to 1035, 10B21, 15B21, 90XF, 65W and ST52.3 or E355 Others available by inquiry	
USA Shelby	Welded cold sized tubes	ASTM A513	1.25" - 12.5"	0.081" - 0.685"	Carbon base grades 1008 - 1050 Alloy grades 4118/4130/8620 Others available by inquiry	
	Cold drawn welded tubes	ASTM A513	0.813" - 12.0"	0.065" - 0.685"	Carbon base grades 1008 - 1050 Alloy grades 4118/4130/8620 Others available by inquiry	
	Hot finish seamless tubes	ASTM A519	2.188" - 6.75"	0.25" - 1.75"	Carbon base grades 1008 - 1050 Alloy full range of 41xx/43xx & 86xx series Others available by inquiry	
	Cold drawn seamless tubes	ASTM A519	1.375" - 7.75"	0.171" - 1.687"	Carbon base grades 1008 - 1050 Alloy full range of 41xx/43xx & 86xx series Others available by inquiry	