



JIS G4051 S20C Channel steel

JIS G4051 S20C is a Japanese standard steel, belonging to low carbon steel. Its Cold plastic deformation and for bending, rolling, bending and hammer arch processing, arc welding and contact welding performance is good.

JIS G4051 S20C high-quality hot rolled carbon Channel steel Basic Information:

JIS G4051 S20C Channel steel chemical composition by %,maximum

Grade	C	Si	Mn	P	S
JIS G4051 S20C	0.18-0.23	0.15-0.35	0.3-0.6	≤0.030	≤0.030

JIS G4051 S20C Channel steel mechanical properties

Grade	Delivery State	T.S. N/mm2 Min	Y.S. N/mm2 Min	A,% Min	Z,% Min	Hardness, (annealing or tempering) HB,max	Forging ratio	Grain Size (level)	Nonmetal ratio
JIS G4051 S20C	Hot rolled, forged, or heat treatment	410	245	25	55	156	≥ 4:1	≥ 6	≤ 2.0

JIS G4051 S20C Channel steel Application Areas:

JIS G4051 S20C Channel steel can be Used for general structural purposes, such as in riveted, bolted, or welded construction of buildings, bridges, machinery, etc. It is also used for booms, rails, braces, frames, brackets, cross-members, liners, truck trailers, truck beds, racks, etc

JIS G4051 S20C Channel steel are usually produced under the followed procedures:
EAF arc furnace + LF purify affinage + VDF + ingot steel(bottom gating /argon) + forged + annealing + black polishing (turnery) + Sep 1921-C/c,D/d,E/e UT test + smooth edges with sawing .

JIS G4051 S20C Similar steel grade & equivalent steel materials:



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USA	Japanese	Gemany	British	France	heat treatment	Chinese
ASTM&AISI&SAE	JIS	EN DIN	EN BS	EN NF	ISO	GB
1020	S20c	C22(1.0402)			-----	20

Shanghai Katalor Enterprises are mainly engaged in marketing and processing of various specifications of JIS G4051 S20C steel channel. If you need this kind of channel steel, please purchase online and feel free to contact us by email info@katalor.com. We will do our best to help you and give you the best price and service!