



STM A588 Gr.A/Gr.B/Gr.C steel work / steel structure /steel machining parts

ASTM A588 Gr.A/Gr.B/Gr.C steel work / steel structure /steel machining parts used for

products that are exposed to the elements, include: Bridge plates, Gusset plates, Freight cars, Transmission and telecommunications towers, Housing and enclosures.

ASTM A588 Gr.A/Gr.B/Gr.C steel specification covers high-strength low-alloy structural steel shapes, plates, and bars for welded, riveted, or bolted construction but intended primarily for use in welded bridges and buildings where savings in weight or added durability are important, the atmospheric corrosion resistance of this steel in most environments is substantially better than that of carbon structural steels with or without copper addition.

ASTM A588 Gr.A steel work/steel structure/steel machining parts chemical composition

Element	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V
Grade A	0.19 max	0.80-1.25	0.04 max	0.05 max	0.30-0.65	0.40 max	0.40-0.65	...	0.25-0.40	0.02-0.10

ASTM A588 Gr.B steel work/steel structure/ steel machining parts chemical composition

Element	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V

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Grade B	0.20 max	0.75-1.35	0.04 max	0.05 max	0.15-0.50	0.50 max	0.40-0.7	...	0.20-0.40	0.01-0.10
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ASTM A588 Gr.C steel work/steel structure/steel machining parts chemical composition

Element	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V
Grade C	0.15 max	0.80-1.35	0.04 max	0.05 max	0.15-0.40	0.25-0.50	0.30-0.50	...	0.2-0.50	0.01-0.10

ASTM A588 Gr.A/Gr.B/Gr.C steel mechanical properties

	Plates and bars			Structural shapes
	For thicknesses 4 in.(100mm)and under	For thicknesses over 4 in.(100 mm) to 5 in.(125 mm) incl	For thicknesses over 5 in.(125 mm) to 8 in.(200 mm) incl	All groups
Tensile strength min,ksi(mpa)	70(485)	67(460)	63(435)	70(485)
Yield point,min,ksi(mpa)	50(345)	46(315)	42(290)	50(345)
Elongation in 2 in.(50mm)min, %	21	21	21	21

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ASTM A588 Gr.A/Gr.B/Gr.C Steel work / steel structure/steel machining parts processing

equipment:

Semi-automatic cutting machine, Hydraulic shears, H beam assembling machine, Submerged arc welding, Co₂ gas shielded arc welding, CNC drilling plane, Edge planer, Shot blasting machine and so on.

ASTM A588 Gr.A/Gr.B/Gr.C Steel work / steel structure/steel machining parts production

process: cutting, drilling, welding, bend, splice, redress and so on.

ASTM A588 Gr.A/Gr.B/Gr.C Steel work / steel structure/steel machining parts heat treatment: annealing, quenching, tempering etc.

ASTM A588 Gr.A/Gr.B/Gr.C Steel work / steel structure/steel machining parts testing equipment: calipers, pressure sensors, magnetic particle inspection machine, digital ultrasonic flaw detector, hydraulic universal testing machine, digital thickness gauge etc.

ASTM A588 Gr.A/Gr.B/Gr.C Steel work / steel structure/steel machining parts third party inspection:

We can arrange the LRS, ABS, BV, DNV, SGS, TUV etc, to do the third party inspection, the inspection items include UT test, PMI test, chemical composition test, mechanical property test, appearance inspection etc.

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Shanghai Katalor Enterprises

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Email: info@katalor.com

Tel: 0086-21-61182423

We can provide ASTM A588 Gr.A/Gr.B/Gr.C Steel work / steel structure/steel machining

parts size: according to customer's drawings.

Shanghai Katalor Enterprises Co., Ltd located in Shanghai of china, is specialized in manufacturing and exporting steel and machining product, has passed the ISO9001, 2000 quality system authentication and has always been implementing the ISO9001 Quality system and improving its e-business network as well as trying its best to provide more convenient, more accurate and more speedy service for all its clients. As a professional steel products supplier, Katalor can supply all kinds of steel work/steel structure/steel machining parts.

At the same time, we have many ASTM A588 Gr.A/Gr.B/Gr.C steel products material in stock, if you need ASTM A588 Gr.A/Gr.B/Gr.C steel work/steel structure/steel machining

parts, contact us!

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Shanghai Katalor Enterprises Co., Ltd located in shanghai of china, is specialized in manufacturing and exporting steel and casting product. Based on the domestic rich product resources and professional research on international market, Katalor's service has already spread many countries in Europe , America, Southeast Asia, Middle East, South America, Africa, and so on.

Contact US:

Phone: 0086-18317160019

TEL: 0086-21-61182423

Fax: 0086-21-61182425

E-mail: info@katalor.com

Skype: shanghai.katalor

Address : Room 301, Unit 6, lane 2500, xiupu Road, Kangqiao Industrial Area, Pudong New District, Shanghai

Office Address: Room 301, Unit 6, lane 2500, xiupu Road, Kangqiao Industrial Area, Pudong New District, Shanghai