



ASTM A242 steel work / steel structure / steel machining parts

ASTM A242 steel work/steel structure/steel machining parts is a high-strength low-alloy structural steel for welded, riveted, or bolted construction intended primarily for use as structural members where savings in weight or added durability. The atmospheric corrosion resistance of the steel in most environments is substantially better than that of carbon structural steels with or without copper addition.

ASTM A242 steel plate available size:

Thickness range is between 1.5-80mm

Width range is between 1500-3800mm

Length range is between 1000mm-12000mm

ASTM A242 steel work/steel structure/steel machining parts chemical composition

Element	Type 1
Carbon max	0.15
Manganese max	1.00
Phosphorous max	0.15
Sulfur max	0.05
Copper min	0.20

ASTM A242 steel mechanical properties

	Plates and bars			Structural shapes		
	For	For	For	Flange	Flange	Flange

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	thickness 3/4 in. (20mm) and under	thickness over 3/4 to 1/2 in. (20 to 40mm)	thickness es over 1 1/2 to 4 in(40 to 100 mm)	thickness or legs 1.5 in.under (40mm)	thickness or legs 1.5-2 in. 40-50mm	thickness or legs Over 2 in .50mm
Tensile strength min ksi mpa	70(480)	67(460)	63(435)	70(485)	67(460)	63(435)
Yield point min ksi mpa	50(345)	46(315)	42(290)	50(345)	46(315)	42(290)
Elongation in 8 in 200mm min %	18	18	18	18	18	18
Elongation in 2 in 50mm min%	21	21	21	21	21	21

ASTM A242 steel work/steel structure/steel machining parts process:

The steel shall be made by one or more of the following processes: open-hearth, basic-oxygen, or electric-furnace.

ASTM A242 steel work/steel structure/steel machining parts third party inspection:

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Shanghai Katalor Enterprises

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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.

Katalor enterprises devote ourselves to steel business both in international and domestic market. We have established long term relationships with China famous steel mills and traders. As a professional team, we can provide ASTM A242 steel work/steel structure/steel machining parts according to your drawings. Looking forward to cooperating with you!

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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.

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