



ASTM A387 GRADE 21/21L steel work/steel structure/steel spare parts

Katalor Enterprises has lot of ASTM A387 GRADE 22/21L steel plate, which can be made into different kind of air storage tank, reaction still, flange, waste gas cleaning tower, separator, chemical tower, heat exchanger, storage tank, etc.

ASTM A387 GRADE 21/21L is a kind of Chromium-Molybdenum alloy steel plate, intended for welded boiler and pressure vessels which designed for elevated temperature service.

ASTM A387 GRADE 21 steel plate has two class according its tensile strength level, ASTM A387 Grade 21 Class 1 and ASTM A387 Grade 21 Class 2. A387 GRADE 22L only has class 1.

The chemical composition of ASTM A387 Grade 21/21L steelwork, steel structure, steel spare parts

GRADE	C	Mn	P max	S max	Si	Cr	Mo
A387 GRADE 21	0.05-0.15	0.30-0.60	0.035	0.035	≤0.50	2.75- 3.25	0.90- 1.10
A387 GRADE 21L	≤0.10	0.30-0.60	0.035	0.035	≤0.50	2.75- 3.25	0.90- 1.10

The mechanical property of ASTM A387 Grade 21/21L Class 1



Grade	Tensile strength		Yield strength min		Elongation % min	
	ksi	Mpa	ksi	Mpa	In 8 in.	In 2 in.
Grade 21/21L Class 1	60-85	415-585	30	205	...	18

The mechanical property of ASTM A387 Grade 21L Class 2

Grade	Tensile strength		Yield strength min		Elongation % min	
	ksi	Mpa	ksi	Mpa	In 8 in.	In 2 in.
Grade 21 Class 2	75-100	515-690	45	310	...	18

General requirement: ASTM A20/A20M.

Heat treatment: Annealing, normalizing and tempering, accelerated cooled and tempered.

Our inspection equipment include x-ray crack detection room, x ray generator, type 435 industrial washing machine.

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Processing items: welding, drilling, edge milling, cutting, bending, heat treatment, shot blasting.

Heat treatment: annealing, quenching, tempering, hardening and tempering.

Product size: As customers design.

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

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