



**ASTM A283 A/B/C/D Channel steel**

ASTM A283 is Standard Specification for Low and Intermediate Tensile Strength Carbon Steel for general intermediate strength usage. Shanghai Katalor Enterprises specializes in ASTM A283 Channel steel in grade A283 Grade A, A283 Grade B, A283 Grade C, A283 Grade D.

The below is steel specification covers four grades of low carbon channel steel of structural quality for general application. Grades A, B, C and D.

**ASTM A283 A/B/C/D Chemical Properties**

	<b>Grade A</b>	<b>Grade B</b>	<b>Grade C</b>	<b>Grade D</b>
<b>C, max</b>	0.14	0.17	0.24	0.27
<b>Mn, max</b>	0.90	0.90	0.90	0.90
<b>P, max</b>	0.035	0.035	0.035	0.035
<b>S, max</b>	0.04	0.04	0.04	0.04
<b>Si, max</b>	0.40	0.40	0.40	0.40
<b>Cu min %</b>	0.20	0.20	0.20	0.20

**ASTM A283 A/B/C/D Mechanical Properties**

	<b>Grade A</b>	<b>Grade B</b>	<b>Grade C</b>	<b>Grade D</b>
<b>Tensile Strength:</b>	45,000 –60,000 psi [310 – 415 MPa]	50,000 –65,000 psi [345 – 450 MPa]	55,000 75,000 psi [380 – 515 MPa]	60,000 –80,000 psi [415 – 550 MPa]
<b>Min. Yield Point:</b>	24,000psi [165 MPa]	27,000psi [185 MPa]	30,000psi [205 MPa]	33,000psi [230 MPa]
<b>Elongation in 8":</b>	27% min	25% min	22% min	20% min
<b>Elongation in 2":</b>	38% min	28% min	25% min	23% min

ASTM A283 Grade A/B/C Carbon channel steel are moderate, have good comprehensive performance, strength, plasticity and welding performance is good. ASTM A283 Grade A/B/C channel steel is Used to make steel or factory room, high voltage power transmission tower, Bridges, vehicles, boiler furnace, containers, ships, etc., also used as performance requirements for mechanical parts.

Shanghai katalor is a professional ASTM A283 Grade A/B/C Carbon channel



## **SHANGHAI KATALOR ENTERPRISES CO., LTD.**

**Tel:0086-21-61182423    Website:www.katalor.com**

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manufacture and supplier. We can supply different product type of ASTM A283 , like ASTM A283 GR.A, A283 GR.B, A283 GR.C, A283 GR.D channel steel. If you have any need of ASTM A283 A/B/C/D Channel Steel, please do not hesitate to contact us .