

# Carbon Steel Flanges

ANSI / ASME B16.5

## SPECIFICATION

Grade: ASTM A350 LF2

Surface finish: Mill protective varnish

## Mechanical Properties

Minimum Tensile Strength 480 to 655 MPa Impact tested – 45 degrees C

Minimum Yield Strength 240 MPa

## Chemical Composition % (max unless otherwise stated)

	Carbon	Manganese	Phosphorus	Sulphur	Silicon	Copper	Chromium	Molybdenum	Nickel	Vanadium	Niobium
Min	0.30	0.60	0.035	0.040	0.15	0.40	0.30	0.12	0.40	0.08	0.02
Max	-	1.35	-	-	0.30	-	-	-	-	-	-

## Typical Applications

High pressure flanges for oil, gas & petrochemicals at low temperatures.



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