

# 431 Stainless Steel

BLUEBELL

MARIGOLD

## CHARACTERISTICS

Tensile Strength (MPa) 850-1000

Yield Strength (Mpa) 600

## EQUIVALENTS

AS	DIN	SIS	AISI
431	X20CrNi16-2	2321	431

## CHEMICAL ANALYSIS (%)

C	Si	Mn	Cr	Ni	S	P
0.19	0.25	0.4	15.9	1.6	0.025	0.025

## NOTES

This grade can not be readily cold worked and is therefore not recommended for cold heading and bending.

## DESCRIPTION

431 is a martensitic, nickel bearing grade which has good corrosion resistance, excellent tensile and torque strength and good toughness.

## APPLICATIONS

Pump Shafts, nuts, bolts & studs, valve parts or other uses where high tensile properties are required.

*WARNING: While all care has been taken to provide accurate information here, it should be noted that it is for a guide only and any information must be checked by the manufacturer before being relied upon.*

# EDCON STEEL

### Sydney Metro

Blacktown 15 Carling Road Kings Park  
Brookvale 10/9-13 Winbourne Road Brookvale  
Revesby 122 Milperra Road Revesby

### Rural

Bathurst 51 Sydney Road Raglan  
Orange 23 Leewood Drive Orange

**1300 233 266**  
**edconsteel.com.au**