

## Features

- Available in round and hexagonal bar.
- Easily and rapidly machined
- Suitable for high production use in both automatic lathes and CNC machines.
- Ideal for production of fittings including nuts, bolts, and studs.
- Reasonable strength and ductility.
- Grade 230M07 (EN1A)

## RS PRO Mild Steel 12mm Dia Round Bar x 1000mm long.

RS Stock No.: 4243380



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

- Mild Steel Round Bar 12mm Dia x 1000mm length.
- EN1A is a free cutting mild engineering steel which is suitable for high production used in both automatic lathes and CNC machines.
- Suitable to produce nuts, bolts, and studs.

## General Specifications

Material	Mild Steel
Form	Round Bar
Application	Nuts, Bolts, studs, hydraulic fittings and precision machined components.
Grade	230M07 (EN1A)
Corrosion Resistance	Fair
Finish	Mill Finish
Weldability	Moderate

## Mechanical Specifications

Inner Diameter	N/A
Outer Diameter	12mm
Length	1000mm
Width	N/A
Height	N/A
Thickness	N/A
Typical Tensile Strength	480N/mm <sup>2</sup>
Weight Per Metre	0.89KG
Tensile Strength	≥400MPa

# Steel Rods, Bars, Tubes & Hexagonals



Yield Strength	$\geq 400$ MPa
Extension	$\geq 6-10\%$ Min
Hardness	300 Brinell
Coefficient Of Thermal Expansion	
Thermal Conductivity	44.0-52.0 W/m-K

## Classification

eCl@ss Version	
UNSPSC Version	

## Approvals

Compliance/Certifications	CE / UR / cUR
Declarations	

## Similar Products

Parameters	RS Stock#	RS Stock#	RS Stock#	RS Stock#
Brand	RS PRO	RS PRO	RS PRO	RS PRO
Material				
Form				
Application				
Grade				
Corrosion Resistance				
Finish				
Weldability				
Inner Diameter				
Outer Diameter				
Length				
Width				
Height				
Thickness				
Typical Tensile Strength				
Weight Per Metre				
Tensile Strength				
Yield Strength				

# Steel Rods, Bars, Tubes & Hexagonals



Extension				
Hardness				
Coefficient Of Thermal Expansion				
Thermal Conductivity				

INCLUDES WITH CONSTRUCTIONAL DIAGRAM