

# Paddle Bolt

Product specification: Bar diameter 18 mm / 20 mm / 25 mm  
 Category: Solid bolts / Mining bolts

## Introduction

Paddle bolts are designed to provide effective anchorage and mixing of chemical anchors in large-diameter holes, making them suitable for a variety of mining and geotechnical applications.

## Key features

- Paddle bolts are manufactured from deformed bars with “paddles” pressed on the up-hole end which allows a smaller diameter bolt to mix chemical anchors in large diameter holes
- Standard thread roll formed at one end
- Designed to be used with resin capsules, but can be effectively used with cementitious grouts
- Effective in coal rib stabilization and mesh retention on rock embankments
- Corrosion protection can be provided by hot dip galvanizing or alternative coatings.



## Main advantages

- Efficient mixing of chemical anchors due to the paddle design.
- Versatile application in various stabilization and retention projects.
- Corrosion protection enhances durability and longevity in harsh environments.

## Technical Specification

Bar diameter	18 mm	20 mm	25 mm
Typical yield load	127 kN	157 kN	245 kN
Minimum yield strength	500 MPa	500 MPa	500 MPa
Typical ultimate load	178 kN	220 kN	343 kN
Calculated shear load <sup>1)</sup>	124 MPa	131 MPa	205 MPa
Minimum elongation <sup>1)</sup>	14 %	14 %	14 %
Density	2.059 kg/m	2.58 kg/m	3.75 kg/m
Major bar diameter	22.5 mm	24 mm	29 mm
Cross sectional area	254 mm <sup>2</sup>	314 mm <sup>2</sup>	490 mm <sup>2</sup>

1) Calculated at 60 % of the Ultimate Tensile Load.

2) 5.65√A

<b>Other options</b>	Corrosion protection customization, including hot dip galvanizing or other coatings.
<b>Installation/applications</b>	Effective for coal rib stabilization in mining operations. Used for mesh retention on rock embankments to improve safety and stability. Please contact local representative for installation procedures.
<b>Packaging</b>	Packaging details available upon request. Minimum order quantities apply.
<b>Product range and accessories</b>	Compatible exclusively with Sandvik components to ensure optimal system performance.
<b>Safety procedures</b>	Please follow installation procedures to achieve the desired performance.
<b>Legal disclaimer</b>	All dimensions, weights, quantities, and specifications are those applicable at the time of this publication and may be amended from time to time. Please contact your local representative for final confirmation of any key specifications.