

## Self-drilling anchor bar R25/14, R32/15, R38/19 and R51/26 S460NH



Pretec's fully threaded self-drilling anchor is produced from fine grained structural steel S460NH acc. NS-EN 10210-1. The steel is characterized by its high impact resistance and high ductility, combined with high mechanical values. The anchor bars can be used for soil nailing, anchoring sheet piles and retaining walls and as micropiles. The anchor bars are usually used in demanding geological conditions with mounted rock/clay bit where the anchor bar is drilled in with a simple and flexible joint to achieve the desired length. Continually grouting/injecting or post-grouting as instructed by the Engineer.

Permanent self-drilling anchors delivered with Pc-Coat™ (Hot dip galvanized, zinc manganese phosphating and epoxy powder coating). R threads have excellent anchoring properties acc. NS-EN 10080.

### Stock programme:

R25/14 x 3000 Pc-Coat	
R25/14 x 1500 Pc-Coat	
R32/15 x 3000 Pc-Coat	R32/15 x 3000 plain surface
R32/15 x 1500 Pc-Coat	
R38/19 x 3000 Pc-Coat	R38/19 x 3000 plain surface
R51/26 x 3000 Pc-Coat	R51/26 x 3000 plain surface

Other lengths on request. Permanent self-drilling anchor are normally delivered with Pc-Coat. Alternatively, self-drilling anchor can be delivered with plain surface.

### Technical information:

Roll threaded acc. ISO 10208 (left hand thread).

Starting material: S460NH acc. NS-EN 10210-1.

Meets requirements for micropiles acc. NS-EN 14119, soil nailing acc. NS-EN 14490:2010, ground anchors acc. NS-EN 1537:2013.

## Product Data Sheet

Anchor and accessories are delivered with inspection certificate 3.1 acc. NS-EN 10204. Bolts with accessories are delivered with full traceability with reference to the batch number on the label / packaging. The bolts are delivered CE marked acc. NS-EN 1090-1.

SDA	Length (mm)	Yield load kN	Tensile load kN	Shear load kN	Weight kg/m	Elongation % Agt	Cross section area (mm <sup>2</sup> )	Impact strength -20°C (J)	E-modul (GPa)
R25/14	L=3000 L=1500	150	200	90	2,3	≥5	293*	40	210
R32/15	L=3000 L=1500	280	340	168	4,1	≥5	460*	40	210
R38/19	L=3000	400	500	240	5,5	≥5	670*	40	210
R51/26	L=3000	730	930	438	10,2	≥5	1290*	40	210

\* Subject to variation due to tolerances of manufacturing process. Not for calculation.

Anchors in S460NH material are marked with orange color at both ends, for easy identification.

### Corrosion protection / Pc-Coat:

(applicable for Norwegian market)

Hot-dip galvanization is carried out in compliance with NS-EN-ISO 1461 and epoxy powder coating in accordance with NS-EN 13438. Our standard Pc-Coat meets requirements of SVV's Handbook N500 chapter 7.6.2 – Corrosion protection, in terms of coating thickness. Please also refer to the Pc-Coat Product Data Sheet with SINTEF TG 20787 for CX corrosion class acc. NS-EN ISO 12944-9 and accompanying FDV documentation. The ends are free of powder coating. These are covered by the sleeve when jointing. The same surface treatment also applies to accessories.

### Accessories:

SDA R25/14	SDA R32/15	SDA R38/19
Spherical plate 150x150x8 Spherical nut R25x60 Coupler R25x180 Drill bit R25xØ42	Spherical plate 200x200x8 Spherical nut R32x45 Coupler R32x190 Drill bit R32x51 Clay bit R32x76 Ring nut R32/Ø50 Expansion shell R32/ 64-68 oversize	Spherical plate 200x200x12 Spherical nut R38x50 Coupler R38x220 Drill bit R38x70 Clay bit R38x110 /150 Expansion shell R38/ 64-68 oversize
SDA R51/26		
Anchor plate 200x200x35 Spherical nut R51x70 Coupler R51x220 Drill bit R51x90 Clay bit R51x130		