

## PC-Bult™



### Specifications

Specifications				Borehole	
Dimension	Material	Thread length	Weight	Diameter, mm	Depth <sup>3)</sup>
M27/15	40Cr <sup>1)</sup>	2xM27x150 mm	2,5 kg/m	Ø45-48	L+150 mm
R27/15	40Cr <sup>1)</sup>	R27 whole length	2,7 kg/m	Ø45-48	L+150 mm
R27/12	40Cr <sup>2)</sup>	R27 whole length	3,1 kg/m	Ø45-48	L+150 mm

### Mechanical properties

Dimension	Tension area A <sub>s</sub>	Yield stress ReH	Tensile stress Rm	Elongation Agt
M27/15	314 N/mm <sup>2</sup>	Min. 500 N/mm <sup>2</sup>	Min. 600 N/mm <sup>2</sup>	Agt Min. 8%
R27/15	~ 320 N/mm <sup>2*</sup>	Min. 500 N/mm <sup>2</sup>	Min. 600 N/mm <sup>2</sup>	Agt Min. 8%
R27/12	~ 380 N/mm <sup>2*</sup>	640 N/mm <sup>2</sup>	800 N/mm <sup>2</sup>	Agt Min. 5%

\*Subject to variation due to tolerances from manuf. process. Not for calculation.

### Minimum load capacity

Dimension	End anchored <sup>4)</sup>		Fully grouted		Torque Nm	Pre-tension kN
	Yield kN	Failure kN	Yield kN	Failure kN		
M27/15	157	186	157	186	200-300	40-70
R27/15	159	191	159	191	200-400 <sup>5)</sup>	20-40
R27/12	246	270	246	270	200-400 <sup>5)</sup>	20-40

1) According to EN ISO 683-2. Heat treated according to GB/T 16923.

2) 8.8 according to ISO 898-1.

3) L=bolt length.

4) Poor and soft rock quality may give lower values. Test on site under actual conditions to correctly establish representative values.

5) Recommended torque with hexagon dome nut.