



DECLARATION OF PERFORMANCE

DoP no:	Expandable rock bolts_20240619					
Product type:	Virsbolt					
Intended use:	Rock reinforcing in underground mines and tunnels.					
Manufacturer:	Jennmar Sweden AB Nordanövägen 8 SE-737 61 Virsbo Sweden			www.jennmar.se		
Verification of constancy:	System 2+					
Harmonized standard:	EN 1090-1:2009+A1:2011					
Notified body:	RISE Research Institutes of Sweden AB (No 0402) issued certificate no 0402-CPR-C500475					
Specified performance:						
Essential characteristics	Performance					
	Virsbolt 120	Virsbolt 120+	Virsbolt 160	Virsbolt 160+	Virsbolt 240	Virsbolt 240+
Elongation A (min%)	15	25	15	25	15	25
Minimum breaking load (kN)	120	120	160	160	240	230
Tolerances for geometrical data	NPD					
Weldability	NPD					
Fracture toughness	NPD					
Load bearing capacity:						
Dimensioning	Jennmar specifications					
Manufacturing	Jennmar specifications					
Deformation at serviceability limit state	NPD					
Fatigue strength	NPD					
Resistance for fire	NPD					
Reaction to fire	Class A1					
Release of cadmium	NPD					
Emission of radioactivity	NPD					
Durability	NPD					
The performance of the above product is consistent with the stated performance. This DoP has been issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer listed above.						
Virsbo 20/5-2025						
						
Jonas Lindström Quality & Environmental Manager Jennmar Sweden AB						



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Jennmar Sweden AB, Nordanövägen 8, SE-73761 Virsbo

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