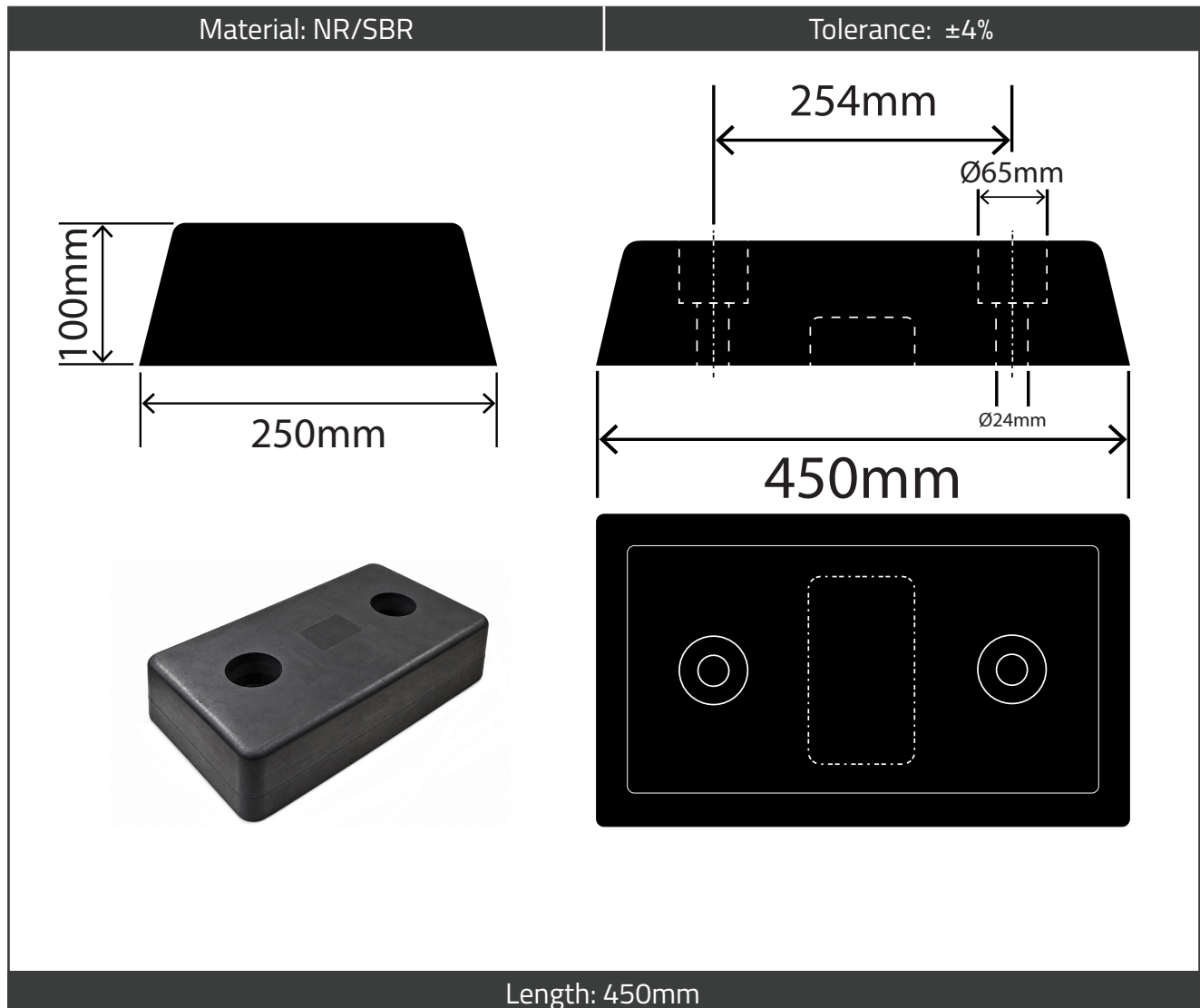


Rubber Dock Bumper - 250mm x 100mm x 450mm

Product Code: RC1330-450X250X100



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Company Number - 08350831 | VAT Number - GB 156 8355 80



Technical Data

Property	Test Method	Conditions	Value
Material	-	-	Natural rubber / styrene butadiene rubber
Tensile Strength	ISO 37/BS 903-A2(S1)	Original	≥ 16.0 MPa (≥ 2321 psi)
	ASTM D412 Die C	After 96 h @ 70° C	≥ 12.8 MPa (≥ 1856 psi)
Elongation at Break	ISO 37/BS 903-A2(S1)	Original	≥ 350 %
	ASTM D412 Die C	After 96 h @ 70° C	≥ 280 %
Hardness (Shore A)	ISO 7619-1/BS 903-A57	Original	$\leq 78^\circ$
	ASTM D2240	After 96 h @ 70° C	$\leq$ original +6°
Compression Set	ISO 815-1/BS 903-A6	22 h @ 70° C	≤ 30 %
	ASTM D395 Method B		
Tear Resistance	ISO 34-1/BS 903-A3 Method C	Crescent type	≥ 70 kN/m (≤ 400 lbf/in)
	ASTM D624 Die B		
Ozone Resistance	ISO 1431-1/BS 903-A43	50 pphm @ 20 % strain, after 100 h @ 40° C	No cracks
	ASTM D1149		
Seawater Resistance	ISO 1817	28 days @ 95° C ($\pm 2^\circ$ C)	Hardness: $\leq 10^\circ$ Shore A
	ASTM D471		Volume: $\leq +10/-5$ %
Abrasion Resistance	ISO 4649 Method A	-	≤ 100 mm ³
	ASTM D5963 Method A		
	BS 903-A9 Method A	1000 revolutions	≤ 0.5 cm ³
Bond Strength: Rubber to Steel	ISO 813/BS 903-A21	-	≥ 7 N/mm (≥ 40 lbf/in)
	ASTM D429 Method B		
Dynamic Fatigue*	ASTM D430 Method B	15,000 cycles	Grade 0-2

*Dynamic Fatigue testing is a chargeable optional extra. Gradings are:

Grade 0: No cracking has occurred

Grade 1: ≤ 10 pin pricks under 0.5mm long visible to the naked eye

Grade 2: > 10 pin pricks under 0.5mm long visible to the naked eye

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