



# PRODUCT DATA SHEET 06.23



6	1	2	1	<b>EXCALIBUR RINGBOLT</b>

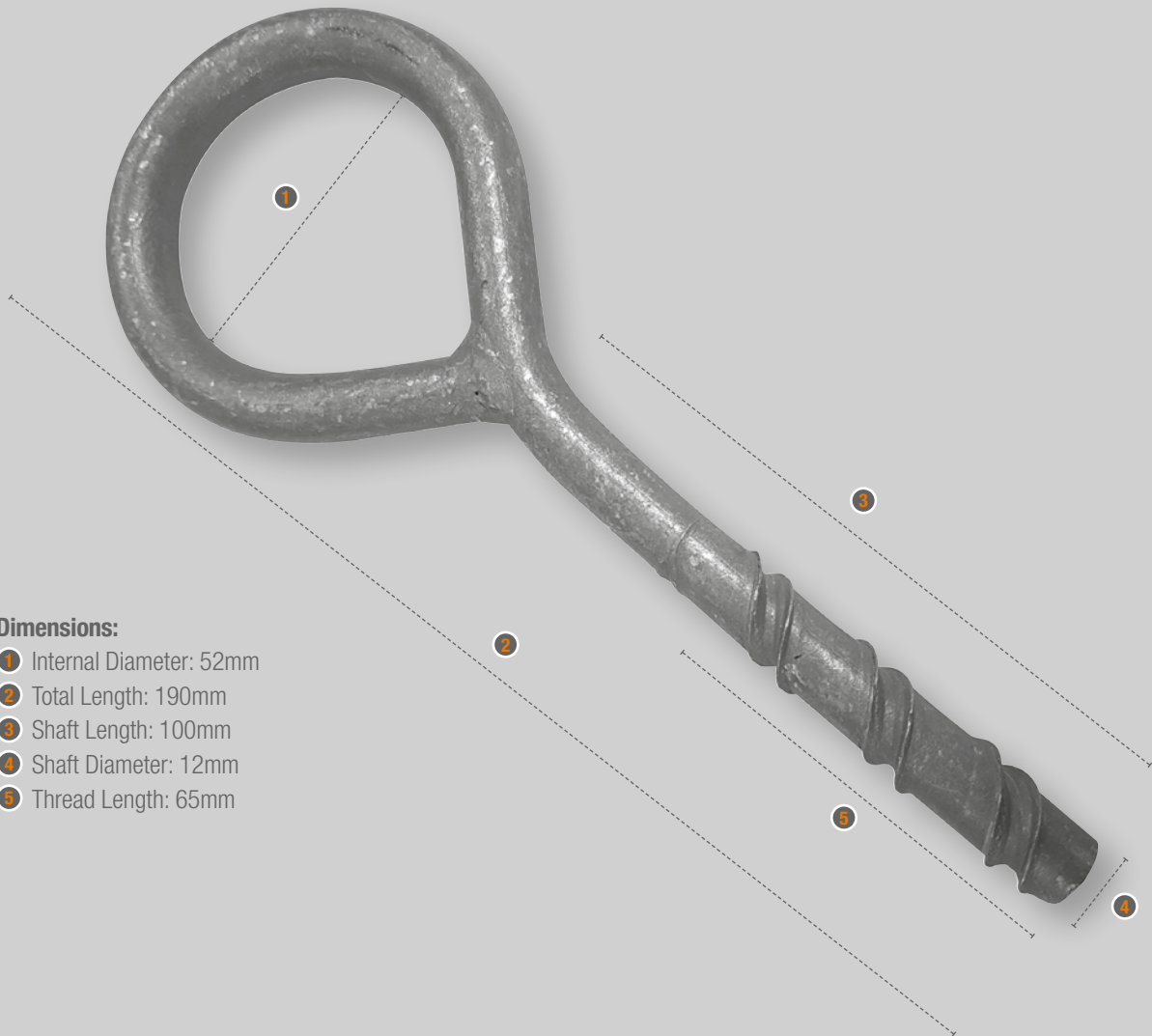
## DEFINING FEATURES

- Very versatile with exceptional strength
- Non-expanding fixing



**FIRST FOR SAFETY**

## ADDITIONAL FEATURES



### Dimensions:

- 1 Internal Diameter: 52mm
- 2 Total Length: 190mm
- 3 Shaft Length: 100mm
- 4 Shaft Diameter: 12mm
- 5 Thread Length: 65mm

## INSTALLATION DRILL BIT



CONCRETE & BRICK (12MM)  
PT-4758



SOFTER MATERIALS (11MM)  
PT-4757

## ACCESSORIES



PT-4001



PT-4000

# FIRST FOR QUALITY

## ORDERING INFORMATION

PART NO	RINGBOLT DIAMETER	SAFE LOAD ON EYE	CLEARANCE DEPTH	BOX QUANTITY	FINISH	TENSILE STRENGTH
AF-6121	12mm	16.39kN	24mm	25	Mechanical Zinc	800N/mm <sup>2</sup>

## ADDITIONAL INFORMATION

### EMBEDMENT

**Concrete and brick** - Minimum recommended is 4.5 × bolt diameter.

**Soft block** - Minimum recommended is 75mm.

**Drill Depth:** 89mm

### ULTIMATE & SAFE LOAD CHARACTERISTICS TABLE BASED ON 3:1 RATIO

MATERIAL		EMBEDMENT DEPTH (MM)	TENSILE LOAD kN		SHEAR LOAD kN	
			Ultimate	Safe	Ultimate	Safe
Concrete	60 N/mm <sup>2</sup>	60	38.70	12.90	-	-
	60 N/mm <sup>2</sup>	90	69.00	23.00	59.80	19.93
Concrete	30 N/mm <sup>2</sup>	60	26.50	8.83	-	-
	30 N/mm <sup>2</sup>	90	43.00	14.33	59.80	19.93
Engr. Brick	100 N/mm <sup>2</sup>	45	20.00	6.67	-	-
Semi.Engr.	70 N/mm <sup>2</sup>	45	15.00	5.00	-	-
Fletton	20 N/mm <sup>2</sup>	45	15.80	5.27	-	-
Butterly	20 N/mm <sup>2</sup>	45	5.10	1.70	-	-
Hemelite	3.5 N/mm <sup>2</sup>	75	12.10	4.03	-	-
Lignacite	3.5 N/mm <sup>2</sup>	-	-	-	-	-
Topcrete	7.0 N/mm <sup>2</sup>	75	18.90	6.30	-	-

## SUITABLE INDUSTRIES



SCAFFOLDING



OIL & GAS



CONSTRUCTION



ROOFING



BRICKWORK



DEMOLITION

# FIRST FOR SOLUTIONS

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