



## ■ C50L® HUCKBOLT® LARGE DIAMETER

The Huck bolt that has defined Huck for over 50 years.

The C50L is an oversize Huck bolt that has faithfully served Australian heavy engineering for many decades and is renowned for its great clamping power in critical applications.

C50L® is a high tensile pin & collar combo with a starting diameter size of 12.7 mm (1/2") through to 28.6 mm (1.1/8"), making it the ideal large diameter lock bolt for many mining equipment, truck chassis and railway applications.

**Diameter Sizes:** 12.7, 15.9, 19.1, 22.2, 25.4 & 28.6 mm

**Materials:** Pins-Steel (black or plated). Collars - steel plated.

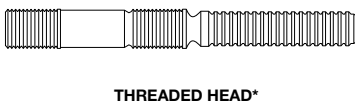
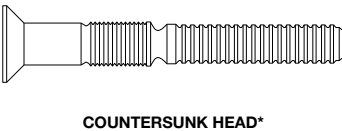
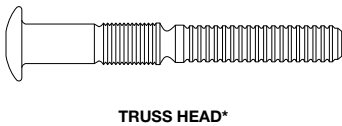
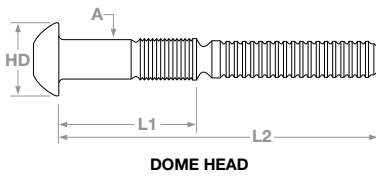
**Head Styles:** Dome, Truss\*, Countersunk\*, Thread Head\*

### HUCK BOLT C50L® PIN – (steel)

Carbon Steel Black or Plated

Contact us for more material grip range options.

Pin Dia (A) (mm) and (in)	Huck Aerobolt Product Code	Grip Min-Max (mm) Material Thickness	Hole Size ±0.1 (mm)	Head Dia HD (mm)	L1	L2	Min. Shear (kN)	Min. Tensile (kN)
<b>Dome Head</b>								
12.7 mm (1/2")	C50LR-BR16-8	12.7 – 19.1	14.2	23.6	37.9	91.7	64.1	75.8
	C50LR-BR16-12	19.1 – 25.4			44.3	98.0		
	C50LR-BR16-16	25.4 – 31.8			50.6	104.4		
	C50LR-BR16-20	31.8 – 38.1			57.0	110.7		
	C50LR-BR16-24	38.1 – 44.5			63.3	117.1		
	C50LR-BR16-28	44.5 – 50.8			69.7	123.4		
	C50LR-BR16-32	50.8 – 57.2			76.0	129.8		
	C50LR-BR16-36	57.2 – 63.5			82.4	136.1		
C50LR-BR16-40	63.5 – 69.9	88.7	142.5					
15.9 mm (5/8")	C50LR-BR20-8	12.7 – 19.1	17.0	30.4	43.5	104.0	100.1	120.5
	C50LR-BR20-12	19.1 – 25.4			49.9	110.3		
	C50LR-BR20-16	25.4 – 31.8			56.2	116.7		
	C50LR-BR20-20	31.8 – 38.1			62.6	123.0		
	C50LR-BR20-24	38.1 – 44.5			68.9	129.4		
	C50LR-BR20-28	44.5 – 50.8			75.3	135.7		
	C50LR-BR20-32	50.8 – 57.2			81.6	142.1		
	C50LR-BR20-36	57.2 – 63.5			88.0	148.4		
C50LR-BR20-40	63.5 – 69.9	94.3	154.8					
19.1 mm (3/4")	C50LR-BR24-8	12.7 – 19.1	20.0	36.5	45.7	116.7	144.1	178.4
	C50LR-BR24-12	19.1 – 25.4			52.0	123.0		
	C50LR-BR24-16	25.4 – 31.8			58.4	129.4		
	C50LR-BR24-20	31.8 – 38.1			64.7	135.7		
	C50LR-BR24-24	38.1 – 44.5			71.1	142.1		
	C50LR-BR24-28	44.5 – 50.8			77.4	148.4		
	C50LR-BR24-32	50.8 – 57.2			83.8	154.8		
	C50LR-BR24-36	57.2 – 63.5			90.1	161.1		
C50LR-BR24-40	63.5 – 69.9	96.5	167.5					



Information provided is a guide, specific testing is recommended. \*Contact us for more information. Grip range; this is the thickness of the material to be bolted or riveted, please note this is not the length of the fastener. Shear; point of failure with force applied on the vertical. Tensile; point of failure with force applied on the horizontal.

## C50L APPLICATIONS

- Mineral crushing equipment
- Steel structure bridges
- Truck and trailer chassis
- Trains & locomotives
- Tracks, turn-outs & crossings

### HUCK BOLT C50L® PIN – (steel) CONT.

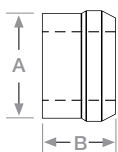
Carbon Steel Black or Plated

Contact us for more material grip range options.

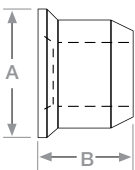
Pin Dia (A) (mm) and (in)	Huck Aerobolt Product Code	Grip Min-Max (mm) Material Thickness	Hole Size ±0.1 (mm)	Head Dia HD (mm)	L1	L2	Min. Shear (kN)	Min. Tensile (kN)
<b>Dome Head</b>								
22.2 mm (7/8")	C50LR-BR28-8	12.7 – 19.1	23.7	42.1	49.6	123.9	193.1	246.7
	C50LR-BR28-12	19.1 – 25.4			56.0	130.2		
	C50LR-BR28-16	25.4 – 31.8			62.3	136.6		
	C50LR-BR28-20	31.8 – 38.1			68.7	142.9		
	C50LR-BR28-24	38.1 – 44.5			75.0	149.3		
	C50LR-BR28-28	44.5 – 50.8			81.4	155.6		
	C50LR-BR28-32	50.8 – 57.2			87.7	162.0		
	C50LR-BR28-36	57.2 – 63.5			94.1	168.3		
	C50LR-BR28-40	63.5 – 69.9			100.4	174.7		
25.4 mm (1")	C50LR-BR32-8	12.7 – 19.1	26.8	50.8	53.9	141.6	229.1	323.4
	C50LR-BR32-12	19.1 – 25.4			60.3	148.0		
	C50LR-BR32-16	25.4 – 31.8			66.6	154.3		
	C50LR-BR32-20	31.8 – 38.1			73.0	160.7		
	C50LR-BR32-24	38.1 – 44.5			79.3	167.0		
	C50LR-BR32-28	44.5 – 50.8			85.7	173.4		
	C50LR-BR32-32	50.8 – 57.2			92.0	179.7		
	C50LR-BR32-36	57.2 – 63.5			98.4	186.1		
	C50LR-BR32-40	63.5 – 69.9			104.7	192.4		
28.6 mm (1.1/8")	C50LR-BR36-28	41.3 – 54.0	30.0	54.1	90.2	178.1	260.0	369.2
	C50LR-BR36-32	47.6 – 60.3			96.5	184.5		
	C50LR-BR36-36	54.0 – 66.7			102.9	190.8		
	C50LR-BR36-40	60.3 – 73.0			109.2	197.2		
	C50LR-BR36-44	66.7 – 79.4			115.6	203.5		
	C50LR-BR36-48	73.0 – 85.7			121.9	209.9		
	C50LR-BR36-52	79.4 – 92.1			128.3	216.2		
	C50LR-BR36-56	85.7 – 98.4			134.6	222.6		
	C50LR-BR36-60	92.1 – 104.8			141.0	228.9		

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## HUCK COLLARS



STANDARD



WIDE

### HUCK COLLAR – (steel)

Carbon Steel: Plated

Collar Description Hole (mm) (in)	Huck Aerobolt Product Code	A ±0.25 (mm)	B ±0.25 (mm)
<b>Standard Flange</b>			
12.7 mm (1/2")	LC-2R16G	20.5	16.4
15.9 mm (5/8")	LC-2R20G	25.0	21.8
19.1 mm (3/4")	LC-2R24G	30.1	24.5
22.2 mm (7/8")	LC-2R28G	35.1	28.5
25.4 mm (1")	LC-2R32G	40.0	32.6
28.6 mm (1 1/8")	LC-2R36G	45.1	36.7

### HUCK COLLAR – (steel)

Carbon Steel: Plated

Collar Description Hole (mm) (in)	Huck Aerobolt Product Code	A ±0.25 (mm)	B ±0.25 (mm)
<b>Wide Flange*</b>			
12.7 mm (1/2")	3LC-2R16G	26.4	19.5
15.9 mm (5/8")	3LC-2R20G	32.5	24.6
19.1 mm (3/4")	3LC-2R24G	38.7	29.4
22.2 mm (7/8")	3LC-2R28G	41.1	34.1
25.4 mm (1")	3LC-2R32G	48.3	38.7

\*Grip range on these tables are based on the standard flange collar. When using a wide flange collar, the difference in "B" between the collars will reduce both the minimum & maximum grip.