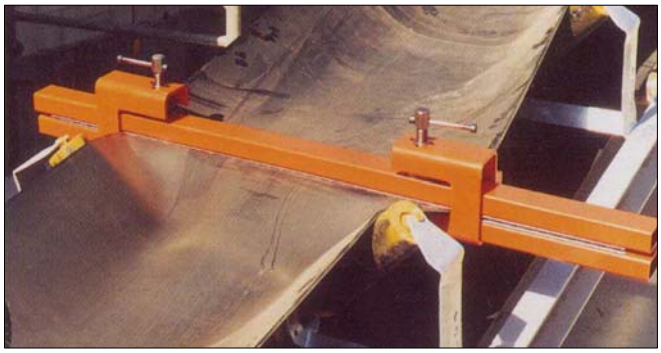
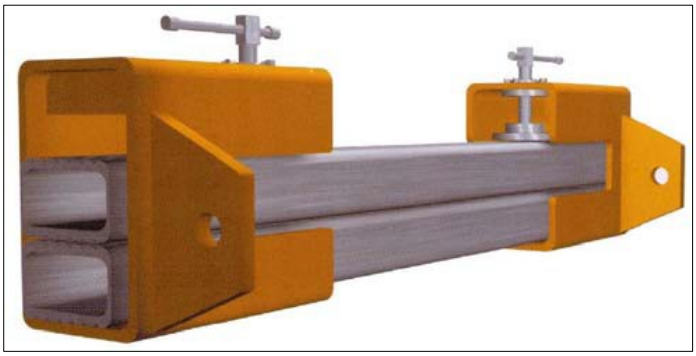
KINDER
EXPERIENCE INNOVATION PRODUCTIVITY

Sure Grip Belt Clamp





The Sure Grip range of belt clamps are of a unique design. Their main features being the ability to effectively clamp any belt width.

The Sure Grip can apply positive pressure in excess of 7 tonnes directly to the surface of any belt width while having a pulling ability in excess of 10 tonnes and when linked in tandem can exceed 14 tonnes. With a checker plate finish applied to the gripping faces of the beams together with the screw jacks applying in excess of 6 tonnes, maximum grip is assured.

Bolts, nuts and washers on conventional clamps generally get lost or damaged. The Sure Grip Clamp is more robust, the bolt is not removable from the clamp, therefore minimises damage and/or loss.

The clamps have been extensively tested on a tensile test bed capable of 200 tonnes line pull. Test results have proved that a Sure Grip Clamp on a 1m wide 1000kN belt will handle 5 tonnes line pull comfortably while a conventional clamp will start showing slippage with a 2 tonnes line pull.

Engineers' reports and observations are available upon request. Safe working loads for the clamps have been calculated from results.

Sure Grip Belt Clamps are available in 4 ranges:

	W.L.L (tonnes)
1 TONNE W.L.L Clamp	1
3 TONNE W.L.L Clamp	3
5 TONNE W.L.L Clamp	5
7 TONNE W.L.L Clamp	7

W.L.L. - Work Load Limit

1, 3, 5, 7 tonne clamps available in all belt widths, plus 400mm long beams
1, 3, 5, 7 tonne clamps available in aluminium
5 and 7 tonne clamps available in steel
Optional ratchets available for 7 tonne clamp

Key features:

- All parts are of high grade steel/aluminium
- Designed for use in any condition
- Light weight parts
- Pulling ability in excess of 10 tonnes
- Easy to transport and assemble

https://kinder.com.au

Issue: 202101

Kinder Australia Pty Ltd

26 Canterbury Road, Braeside VIC 3195
PO Box 1026, Braeside VIC 3195

☎ +61 3 8587 9111
+61 3 8587 9101

conveyorsolutions@kinder.com.au
ABN: 28 006 489 238

Sure Grip Belt Clamp

	1 Tonne W.L.L	3 Tonne W.L.L
Torque	50 N/M = 50kg applied to the handle	80 N/M = 80kg applied to the handle
Coefficient of friction =	0.14 on main screw	0.14 on main screw
Force per clamp =	1.5 tonnes	2 tonnes
Total clamp force on belt =	3 tonnes	4 tonnes
Total force at belt creep =	3 tonnes = 3 - 1 safety factor = W.L.L* of 1 tonnne	6 tonnes = 2 - 1 safety factor = W.L.L* of 3 tonnnes
Belt Type	600 k/n x 4 ply x 6 & 2 covers, N Grade Rubber	600 k/n x 4 ply x 6 & 2 covers, N Grade Rubber

	5 Tonne W.L.L	7 Tonne W.L.L
Torque	90 N/M= 30kg applied to 300mm spanner	160 N/M 54kg applied to 300mm spanner
Coefficient of friction =	0.14 on main screw	0.14 on main screw
Force per clamp =	3 tonnes	3.5 tonnes
Total clamp force on belt =	6 tonnes	7 tonnes
Total force at belt creep =	10 tonnes = 2 - 1 safety factor = W.L.L* of 5 tonnnes	14 tonnes = 2 - 1 safety factor = W.L.L* of 7 tonnnes
Belt Type	12000 k/n x 4 ply x 6 & 2 covers, N Grade Rubber	12000 k/n x 4 ply x 4 & 2 covers, FRAS Rubber

* Work Load Limit

Our largest models are fitted with ratchet winches at both ends to enable easy raising of the lower beam even when the belt is in trough position.

Calculation on clamp requirements can be obtained on submission of belt details. We can also supply made to measure wire, nylon or chain slings and with double lug for linking in tandem.

CARE AND MAINTENANCE

Before the clamp is used always carry out the following safe working practices:

BEAMS:

1. Examine the clamp for any defects to the top and bottom beams.
2. Clean out any clogged material in the grooves.

CLAMP BODY AND MAIN SCREW ASSEMBLY

1. Check pulling lugs for any cracks in the welds.
2. Check clamp main screw assembly for damage, ensure that it operates freely and full stroke is available.
3. Ensure the foot spins freely.
4. Clean and grease/oil as requested
5. Ensure the W.L.L rating is clearly visible at all times.

STORAGE

Clamps should be stored in the assembled position to avoid damage and loss of items.

Note: If the recommended rating of the clamp is exceeded or any part is defective or damaged, it should be returned to the supplier for examination, repair and proof testing.

We recommend the clamps are withdrawn from service every 12 months and returned to the manufacturer for refurbishment and proof testing.

https://kinder.com.au

Issue: 202101

Kinder Australia Pty Ltd

26 Canterbury Road, Braeside VIC 3195
PO Box 1026, Braeside VIC 3195

☎ +61 3 8587 9111
+61 3 8587 9101

conveyorsolutions@kinder.com.au
ABN: 28 006 489 238