



# TECHMINE

## SOLUTIONS

THE NEXT GENERATION OF CONVEYOR BELT MAINTENANCE TOOLING



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## Company Introduction

Located in Perth's Landsdale area, Techmine Solutions tackles challenges in the resources industry with a focus on conveyor belt maintenance. Their mission is to create next-generation tools that prioritize safety and enhance efficiency. With years of experience in mining, from managing construction to bulk roller change-outs, Techmine understands the intricacies of conveyor belt upkeep.

Their product line reflects this expertise. They design and manufacture hydraulic and mechanical belt lifters, simplifying the process of raising belts for maintenance. Lifting beams are another offering, ensuring safe and controlled movement of conveyor components. But Techmine goes beyond pre-made solutions. Their team of in-house engineers excels at crafting unique, "engineered solutions" to address clients' specific needs. These custom creations target complex problems faced in the field, emphasizing Techmine's commitment to innovation.

Techmine doesn't stop at just providing the tools. They also prioritize user knowledge by offering training programs on the safe and effective operation of their equipment. By combining innovative product design with proper training, Techmine Solutions empowers resources companies in Perth to "work smarter, not harder," ultimately aiming to improve safety and streamline conveyor belt maintenance across the industry.



# LIGHTWEIGHT TROUGH BEAMS & HYDRAULIC LIFTERS



**TECHMINE**  
SOLUTIONS

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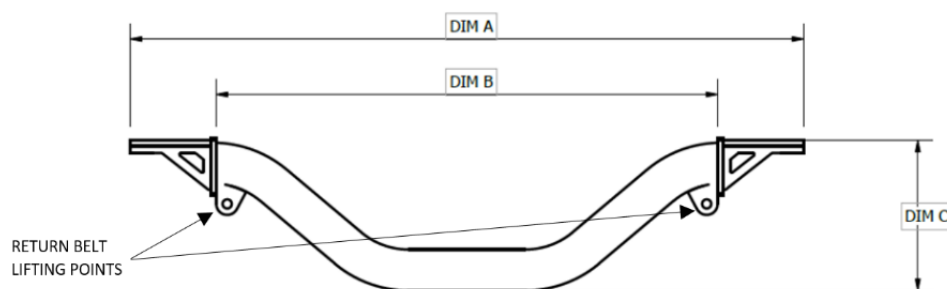
## Trough beams & hydraulic lifters

### Trough beams

All our Techmine trough beams are made from corrosive resistive light-weight alloy to use in conveyor belt maintenance. All the beams are load tested and structurally certified. Techmine trough beams can be used in different configurations with Techmine telescopes and extensions to suite each conveyor belt sizes & configurations.

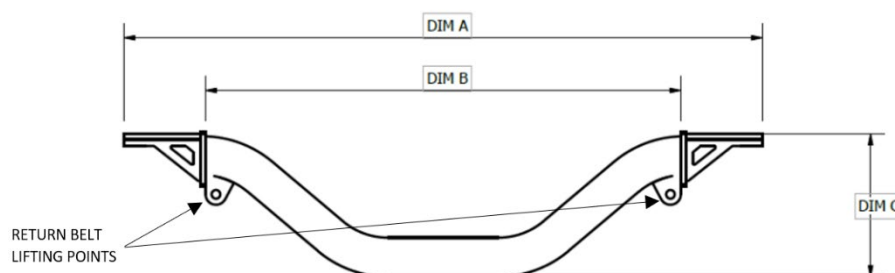


## 1.0T Trough Lifting Beam Dimensions



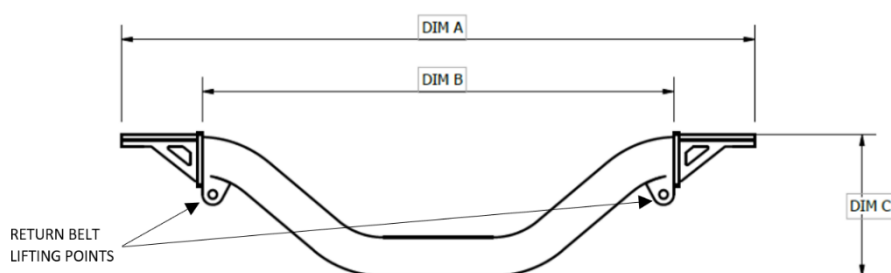
| Part Number | Dimension A (mm) | Dimension B (mm) | Dimension C (mm) | Beam Mass (kg) |
|-------------|------------------|------------------|------------------|----------------|
| TM-STB750   | 1164             | 790              | 266              | 6.3            |
| TM-STB900   | 1314             | 940              | 302              | 6.5            |
| TM-STB950   | 1364             | 990              | 314              | 6.7            |
| TM-STB1000  | 1414             | 1040             | 325              | 6.9            |
| TM-STB1050  | 1464             | 1090             | 325              | 7.1            |
| TM-STB1200  | 1614             | 1240             | 341              | 7.7            |
| TM-STB1250  | 1664             | 1290             | 345              | 7.9            |
| TM-STB1350  | 1764             | 1390             | 402              | 8.1            |
| TM-STB1400  | 1814             | 1440             | 402              | 8.8            |
| TM-STB1450  | 1864             | 1490             | 417              | 9.2            |
| TM-STB1500  | 1914             | 1540             | 431              | 9.4            |
| TM-STB1550  | 1964             | 1590             | 445              | 9.6            |
| TM-STB1600  | 2014             | 1640             | 459              | 9.8            |
| TM-STB1650  | 2064             | 1690             | 460              | 10.0           |
| TM-STB1800  | 2214             | 1840             | 461              | 10.4           |
| TM-STB1850  | 2264             | 1890             | 482              | 10.6           |
| TM-STB1900  | 2314             | 1940             | 503              | 10.7           |
| TM-STB2000  | 2414             | 2040             | 513              | 11.0           |
| TM-STB2050  | 2464             | 2090             | 518              | 11.2           |
| TM-STB2200  | 2614             | 2240             | 532              | 11.4           |
| TM-STB2250  | 2664             | 2290             | 539              | 11.6           |
| TM-STB2400  | 2814             | 2440             | 558              | 11.8           |
| TM-STB2450  | 2864             | 2490             | 564              | 12.0           |
| TM-STB2500  | 2914             | 2540             | 570              | 12.2           |
| TM-STB2600  | 3014             | 2640             | 582              | 12.5           |

## 1.5T Trough Lifting Beam Dimensions



| Part Number | Dimension A (mm) | Dimension B (mm) | Dimension C (mm) | Beam Mass (kg) |
|-------------|------------------|------------------|------------------|----------------|
| TM-LTB750   | 1164             | 790              | 266              | 6.3            |
| TM-LTB900   | 1314             | 940              | 302              | 6.5            |
| TM-LTB950   | 1364             | 990              | 314              | 6.7            |
| TM-LTB1000  | 1414             | 1040             | 325              | 6.9            |
| TM-LTB1050  | 1464             | 1090             | 325              | 7.1            |
| TM-LTB1200  | 1614             | 1240             | 341              | 7.7            |
| TM-LTB1250  | 1664             | 1290             | 345              | 7.9            |
| TM-LTB1350  | 1764             | 1390             | 402              | 8.1            |
| TM-LTB1400  | 1814             | 1440             | 402              | 8.8            |
| TM-LTB1450  | 1864             | 1490             | 417              | 9.2            |
| TM-LTB1500  | 1914             | 1540             | 431              | 9.4            |
| TM-LTB1550  | 1964             | 1590             | 445              | 9.6            |
| TM-LTB1600  | 2014             | 1640             | 459              | 12.7           |
| TM-LTB1650  | 2064             | 1690             | 460              | 13.2           |
| TM-LTB1800  | 2214             | 1840             | 461              | 15.3           |
| TM-LTB1850  | 2264             | 1890             | 482              | 15.7           |
| TM-LTB2000  | 2414             | 2040             | 513              | 16.6           |
| TM-LTB2050  | 2464             | 2090             | 518              | 17.1           |
| TM-LTB2200  | 2614             | 2240             | 532              | 18.0           |
| TM-LTB2250  | 2664             | 2290             | 539              | 18.3           |
| TM-LTB2400  | 2814             | 2440             | 558              | 19.0           |
| TM-LTB2450  | 2864             | 2490             | 564              | 19.2           |
| TM-LTB2500  | 2914             | 2540             | 570              | 19.4           |
| TM-LTB2600  | 3014             | 2640             | 582              | 19.8           |

## 2.0T Trough Lifting Beam Dimensions

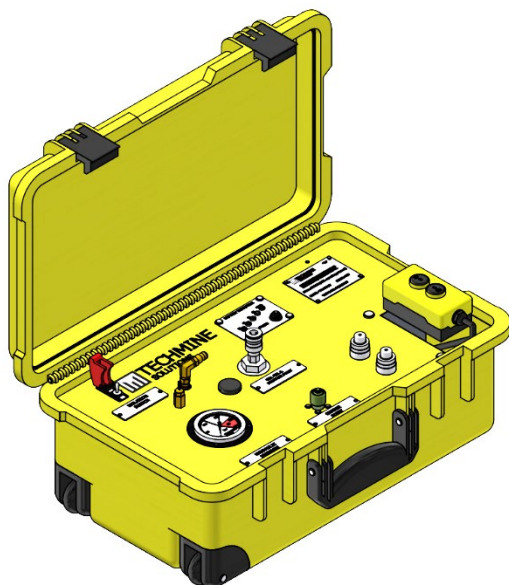


| Part Number | Dimension A (mm) | Dimension B (mm) | Dimension C (mm) | Beam Mass (kg) |
|-------------|------------------|------------------|------------------|----------------|
| TM-XTB750   | 1164             | 790              | 266              | 6.3            |
| TM-XTB900   | 1314             | 940              | 302              | 6.5            |
| TM-XTB950   | 1364             | 990              | 314              | 6.7            |
| TM-XTB1000  | 1414             | 1040             | 325              | 6.9            |
| TM-XTB1050  | 1464             | 1090             | 325              | 7.1            |
| TM-XTB1200  | 1614             | 1240             | 341              | 7.7            |
| TM-XTB1250  | 1664             | 1290             | 345              | 7.9            |
| TM-XTB1350  | 1764             | 1390             | 402              | 8.1            |
| TM-XTB1400  | 1814             | 1440             | 402              | 8.8            |
| TM-XTB1450  | 1864             | 1490             | 417              | 9.2            |
| TM-XTB1500  | 1914             | 1540             | 431              | 9.4            |
| TM-XTB1550  | 1964             | 1590             | 445              | 9.6            |
| TM-XTB1600  | 2014             | 1640             | 459              | 12.7           |
| TM-XTB1650  | 2064             | 1690             | 460              | 13.2           |
| TM-XTB1800  | 2214             | 1840             | 461              | 15.3           |
| TM-XTB1850  | 2264             | 1890             | 482              | 15.7           |
| TM-XTB2000  | 2414             | 2040             | 513              | 16.6           |
| TM-XTB2050  | 2464             | 2090             | 518              | 17.1           |
| TM-XTB2200  | 2614             | 2240             | 532              | 18.0           |
| TM-XTB2250  | 2664             | 2290             | 539              | 18.3           |
| TM-XTB2400  | 2814             | 2440             | 558              | 19.0           |
| TM-XTB2450  | 2864             | 2490             | 564              | 19.2           |
| TM-XTB2500  | 2914             | 2540             | 570              | 19.4           |
| TM-XTB2600  | 3014             | 2640             | 582              | 19.8           |
| TM-XTB2700  | 3204             | 2740             | 644              | 20.2           |
| TM-XTB3000  | 3504             | 3040             | 713              | 21.4           |
| TM-XTB3200  | 3704             | 3240             | 655              | 22.2           |

## Hydraulic telescopes & pumps

- a. 250mm Telescope
- b. 350mm Telescope

### 2. Techmine Hydraulic Pump



### Models

| Part Number | Details                     | Mass (kg) |
|-------------|-----------------------------|-----------|
| HPU-1.0T    | HYDRAULIC POWER UNIT – 1.0T | 18.0      |
| HPU-1.5T    | HYDRAULIC POWER UNIT – 1.5T | 18.2      |
| HPU-2.0T    | HYDRAULIC POWER UNIT – 2.0T | 19.0      |

### Components

| Part Number | Details                                           | Mass (kg) |
|-------------|---------------------------------------------------|-----------|
| HPU-BATT    | 24V DC LI-ION BATTERY                             | 0.8       |
| HPU-CHAR    | BATTERY CHARGER                                   | N/A       |
| -           | POWER COATED CRADLE                               | N/A       |
| -           | 2X FLEXIBLE HOSE (4.5m)<br>[ 6m FOR LARGER BELTS] | N/A       |

## Hydraulic Pump Ancillaries

| Part Number | Details                                |
|-------------|----------------------------------------|
| TM-PG-1.5T  | 1.5T TECHMINE PRESSURE GAUGE           |
| TM-PG-2.0T  | 2.0T TECHMINE PRESSURE GAUGE           |
| TM-CHAR     | 110/240V TECHMINE PUMP BATTERY CHARGER |

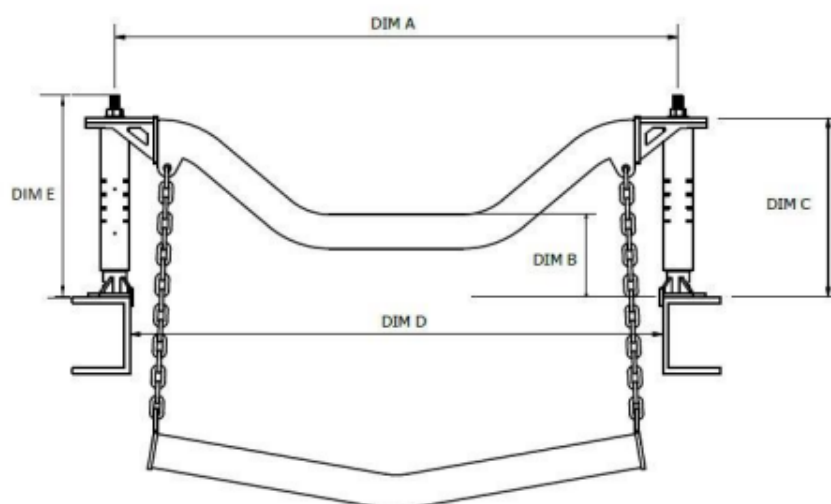
## Quick start video training

|                                                                                                                                               |                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Hydraulic Pump Prestart Inspection</p>                   | <p>Hydraulic Pump OIL Level Inspection</p>                    |
| <p>Hydraulic Telescope &amp; Hose Prestart Inspection</p>  | <p>Hydraulic Prestart Telescope Priming</p>                   |
| <p>Hydraulic Telescope and Beam Mounting</p>               | <p>Onsite Operation of Techmine's Hydraulic Belt Lifter</p>  |

## General assembly dimensions

### Note;

1. DIM B (MIN) AND DIM C (MIN) REFERS TO HEIGHT WHEN HYDRAULIC TELESCOPE IS AT MINIMUM EXTENSION.
2. DIM B (MAX) AND DIM C (MAX) REFERS TO HEIGHT WHEN HYDRAULIC TELESCOPE IS AT MAXIMUM EXTENSION.
3. 100MM AND 150MM EXTENSIONS ARE AVAILABLE FOR BEAMS TM-STB2000 AND ABOVE.
4. PLEASE USE GENERAL ASSEMBLY DIMENSION GUIDE IN CONJUNCTION WITH TECHMINE QUESTIONNAIRE SHEET



1.0T Trough Lifting Beams With 250mm Telescope

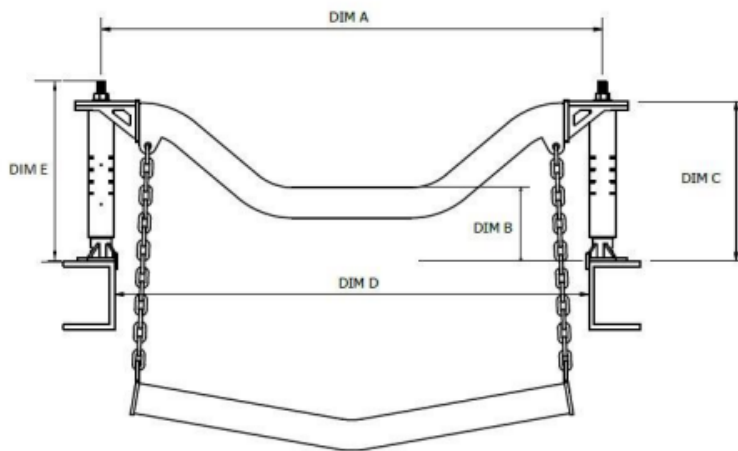
| PART NUMBER | DIM A (mm) |      | DIM B (mm) |     | DIM C (mm) |     | DIM D (mm) |      | DIM E (mm) |     |
|-------------|------------|------|------------|-----|------------|-----|------------|------|------------|-----|
|             | MIN        | MAX  | MIN        | MAX | MIN        | MAX | MIN        | MAX  | MIN        | MAX |
| TM-STB750   | 870        | 1090 | 293        | 543 | 470        | 720 | 815        | 985  | 529        | 779 |
| TM-STB900   | 1020       | 1240 | 257        | 507 | 470        | 720 | 965        | 1135 | 529        | 779 |
| TM-STB950   | 1070       | 1290 | 245        | 495 | 470        | 720 | 1015       | 1185 | 529        | 779 |
| TM-STB1000  | 1120       | 1340 | 234        | 484 | 470        | 720 | 1065       | 1235 | 529        | 779 |
| TM-STB1050  | 1170       | 1390 | 234        | 484 | 470        | 720 | 1115       | 1285 | 529        | 779 |
| TM-STB1200  | 1320       | 1540 | 218        | 468 | 470        | 720 | 1265       | 1435 | 529        | 779 |
| TM-STB1250  | 1370       | 1590 | 214        | 464 | 470        | 720 | 1315       | 1485 | 529        | 779 |
| TM-STB1350  | 1470       | 1690 | 157        | 407 | 470        | 720 | 1415       | 1585 | 529        | 779 |
| TM-STB1400  | 1520       | 1740 | 157        | 407 | 470        | 720 | 1465       | 1635 | 529        | 779 |
| TM-STB1450  | 1570       | 1790 | 142        | 392 | 470        | 720 | 1515       | 1685 | 529        | 779 |

|            |      |      |     |     |     |     |      |      |     |     |
|------------|------|------|-----|-----|-----|-----|------|------|-----|-----|
| TM-STB1500 | 1620 | 1840 | 128 | 378 | 470 | 720 | 1565 | 1735 | 529 | 779 |
| TM-STB1550 | 1670 | 1890 | 114 | 364 | 470 | 720 | 1615 | 1785 | 529 | 779 |

### 1.0T Trough Lifting Beams With 350mm Telescope

| PART NUMBER | DIM A (mm) |      | DIM B (mm) |     | DIM C (mm) |     | DIM D (mm) |      | DIM E (mm) |     |
|-------------|------------|------|------------|-----|------------|-----|------------|------|------------|-----|
|             | MIN        | MAX  | MIN        | MAX | MIN        | MAX | MIN        | MAX  | MIN        | MAX |
| TM-STB1600  | 1720       | 1940 | 200        | 550 | 570        | 920 | 1665       | 1835 | 664        | 994 |
| TM-STB1650  | 1770       | 1990 | 199        | 549 | 570        | 920 | 1715       | 1885 | 664        | 994 |
| TM-STB1800  | 1920       | 2140 | 198        | 548 | 570        | 920 | 1865       | 2035 | 664        | 994 |
| TM-STB1850  | 1970       | 2190 | 177        | 527 | 570        | 920 | 1915       | 2085 | 664        | 994 |
| TM-STB1900  | 2020       | 2240 | 156        | 506 | 570        | 920 | 1965       | 2135 | 664        | 994 |
| TM-STB2000  | 2120       | 2340 | 146        | 496 | 570        | 920 | 2065       | 2235 | 664        | 994 |
| TM-STB2050  | 2170       | 2390 | 141        | 491 | 570        | 920 | 2115       | 2285 | 664        | 994 |
| TM-STB2200  | 2320       | 2540 | 127        | 477 | 570        | 920 | 2265       | 2435 | 664        | 994 |
| TM-STB2250  | 2370       | 2590 | 120        | 470 | 570        | 920 | 2315       | 2485 | 664        | 994 |
| TM-STB2400  | 2520       | 2740 | 101        | 451 | 570        | 920 | 2465       | 2635 | 664        | 994 |
| TM-STB2450  | 2570       | 2790 | 95         | 445 | 570        | 920 | 2515       | 2685 | 664        | 994 |
| TM-STB2500  | 2620       | 2840 | 89         | 439 | 570        | 920 | 2565       | 2735 | 664        | 994 |
| TM-STB2600  | 2720       | 2940 | 77         | 427 | 570        | 920 | 2665       | 2835 | 664        | 994 |

### 1.5T Trough Lifting Beams With 250mm Telescope

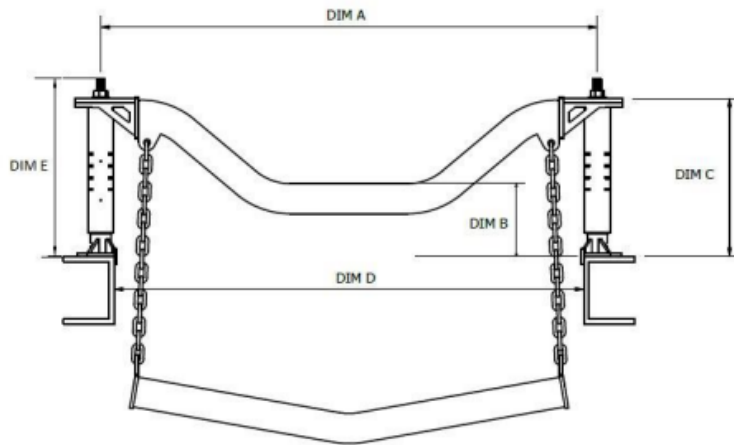


| PART NUMBER | DIM A (mm) |      | DIM B (mm) |     | DIM C (mm) |     | DIM D (mm) |      | DIM E (mm) |     |
|-------------|------------|------|------------|-----|------------|-----|------------|------|------------|-----|
|             | MIN        | MAX  | MIN        | MAX | MIN        | MAX | MIN        | MAX  | MIN        | MAX |
| TM-LTB750   | 870        | 1090 | 293        | 543 | 470        | 720 | 815        | 985  | 529        | 779 |
| TM-LTB900   | 1020       | 1240 | 257        | 507 | 470        | 720 | 965        | 1135 | 529        | 779 |
| TM-LTB950   | 1070       | 1290 | 245        | 495 | 470        | 720 | 1015       | 1185 | 529        | 779 |
| TM-LTB1000  | 1120       | 1340 | 234        | 484 | 470        | 720 | 1065       | 1235 | 529        | 779 |
| TM-LTB1050  | 1170       | 1390 | 234        | 484 | 470        | 720 | 1115       | 1285 | 529        | 779 |
| TM-LTB1200  | 1320       | 1540 | 218        | 468 | 470        | 720 | 1265       | 1435 | 529        | 779 |
| TM-LTB1250  | 1370       | 1590 | 214        | 464 | 470        | 720 | 1315       | 1485 | 529        | 779 |
| TM-LTB1350  | 1470       | 1690 | 157        | 407 | 470        | 720 | 1415       | 1585 | 529        | 779 |
| TM-LTB1400  | 1520       | 1740 | 157        | 407 | 470        | 720 | 1465       | 1635 | 529        | 779 |
| TM-LTB1450  | 1570       | 1790 | 142        | 392 | 470        | 720 | 1515       | 1685 | 529        | 779 |
| TM-LTB1500  | 1620       | 1840 | 128        | 378 | 470        | 720 | 1565       | 1735 | 529        | 779 |

|            |      |      |     |     |     |     |      |      |     |     |
|------------|------|------|-----|-----|-----|-----|------|------|-----|-----|
| TM-LTB1550 | 1670 | 1890 | 114 | 364 | 470 | 720 | 1615 | 1785 | 529 | 779 |
|------------|------|------|-----|-----|-----|-----|------|------|-----|-----|

### 1.5T Trough Lifting Beams With 350mm Telescope

| PART NUMBER | DIM A (mm) |      | DIM B (mm) |     | DIM C (mm) |     | DIM D (mm) |      | DIM E (mm) |     |
|-------------|------------|------|------------|-----|------------|-----|------------|------|------------|-----|
|             | MIN        | MAX  | MIN        | MAX | MIN        | MAX | MIN        | MAX  | MIN        | MAX |
| TM-LTB1600  | 1690       | 1950 | 238        | 588 | 570        | 920 | 1665       | 1835 | 644        | 994 |
| TM-LTB1650  | 1740       | 2000 | 193        | 543 | 570        | 920 | 1715       | 1885 | 644        | 994 |
| TM-LTB1800  | 1890       | 2150 | 193        | 543 | 570        | 920 | 1865       | 2035 | 644        | 994 |
| TM-LTB1850  | 1940       | 2200 | 182        | 532 | 570        | 920 | 1915       | 2085 | 644        | 994 |
| TM-LTB2000  | 2090       | 2350 | 133        | 483 | 570        | 920 | 2065       | 2235 | 644        | 994 |
| TM-LTB2050  | 2140       | 2400 | 143        | 493 | 570        | 920 | 2115       | 2285 | 644        | 994 |
| TM-LTB2200  | 2290       | 2550 | 122        | 472 | 570        | 920 | 2265       | 2435 | 644        | 994 |
| TM-LTB2250  | 2340       | 2600 | 115        | 465 | 570        | 920 | 2315       | 2485 | 644        | 994 |
| TM-LTB2400  | 2490       | 2750 | 96         | 446 | 570        | 920 | 2465       | 2635 | 644        | 994 |
| TM-LTB2450  | 2540       | 2800 | 90         | 440 | 570        | 920 | 2515       | 2635 | 644        | 994 |
| TM-LTB2500  | 2590       | 2850 | 84         | 434 | 570        | 920 | 2565       | 2735 | 644        | 994 |
| TM-LTB2600  | 2690       | 2950 | 70         | 420 | 570        | 920 | 2665       | 2835 | 644        | 994 |



2.0T Trough Lifting Beams With 250mm Telescope

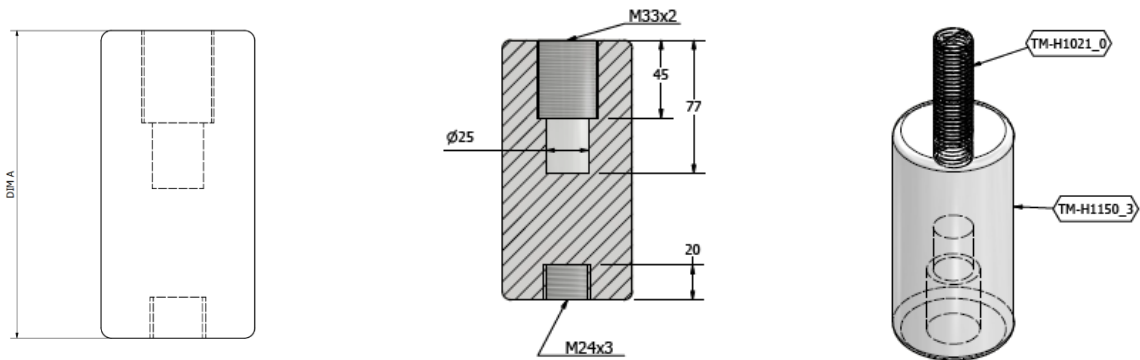
| PART NUMBER | DIM A (mm) |      | DIM B (mm) |     | DIM C (mm) |     | DIM D (mm) |      | DIM E (mm) |     |
|-------------|------------|------|------------|-----|------------|-----|------------|------|------------|-----|
|             | MIN        | MAX  | MIN        | MAX | MIN        | MAX | MIN        | MAX  | MIN        | MAX |
| TM-XTB750   | 870        | 1090 | 293        | 543 | 470        | 720 | 815        | 985  | 529        | 779 |
| TM-XTB900   | 1020       | 1240 | 257        | 507 | 470        | 720 | 965        | 1135 | 529        | 779 |
| TM-XTB950   | 1070       | 1290 | 245        | 495 | 470        | 720 | 1015       | 1185 | 529        | 779 |
| TM-XTB1000  | 1120       | 1340 | 234        | 484 | 470        | 720 | 1065       | 1235 | 529        | 779 |
| TM-XTB1050  | 1170       | 1390 | 234        | 484 | 470        | 720 | 1115       | 1285 | 529        | 779 |
| TM-XTB1200  | 1320       | 1540 | 218        | 468 | 470        | 720 | 1265       | 1435 | 529        | 779 |
| TM-XTB1250  | 1370       | 1590 | 214        | 464 | 470        | 720 | 1315       | 1485 | 529        | 779 |
| TM-XTB1350  | 1470       | 1690 | 157        | 407 | 470        | 720 | 1415       | 1585 | 529        | 779 |
| TM-XTB1400  | 1520       | 1740 | 157        | 407 | 470        | 720 | 1465       | 1635 | 529        | 779 |
| TM-XTB1450  | 1570       | 1790 | 142        | 392 | 470        | 720 | 1515       | 1685 | 529        | 779 |
| TM-XTB1500  | 1620       | 1840 | 128        | 378 | 470        | 720 | 1565       | 1735 | 529        | 779 |
| TM-XTB1550  | 1670       | 1890 | 114        | 364 | 470        | 720 | 1615       | 1785 | 529        | 779 |

2.0T Trough Lifting Beams With 350mm Telescope

| PART NUMBER | DIM A (mm) |      | DIM B (mm) |     | DIM C (mm) |     | DIM D (mm) |      | DIM E (mm) |     |
|-------------|------------|------|------------|-----|------------|-----|------------|------|------------|-----|
|             | MIN        | MAX  | MIN        | MAX | MIN        | MAX | MIN        | MAX  | MIN        | MAX |
| TM-XTB1600  | 1690       | 1950 | 238        | 588 | 570        | 920 | 1665       | 1835 | 664        | 994 |
| TM-XTB1650  | 1740       | 2000 | 193        | 543 | 570        | 920 | 1715       | 1885 | 664        | 994 |
| TM-XTB1800  | 1890       | 2150 | 193        | 543 | 570        | 920 | 1865       | 2035 | 664        | 994 |
| TM-XTB1850  | 1940       | 2200 | 182        | 532 | 570        | 920 | 1915       | 2085 | 664        | 994 |
| TM-XTB2000  | 2090       | 2350 | 133        | 483 | 570        | 920 | 2065       | 2235 | 664        | 994 |
| TM-XTB2050  | 2140       | 2400 | 143        | 493 | 570        | 920 | 2115       | 2285 | 664        | 994 |
| TM-XTB2200  | 2290       | 2550 | 122        | 472 | 570        | 920 | 2265       | 2435 | 664        | 994 |
| TM-XTB2250  | 2340       | 2600 | 115        | 465 | 570        | 920 | 2315       | 2485 | 664        | 994 |
| TM-XTB2400  | 2490       | 2750 | 96         | 446 | 570        | 920 | 2465       | 2635 | 664        | 994 |
| TM-XTB2450  | 2540       | 2800 | 90         | 440 | 570        | 920 | 2515       | 2685 | 664        | 994 |
| TM-XTB2500  | 2590       | 2850 | 84         | 434 | 570        | 920 | 2565       | 2735 | 664        | 994 |
| TM-XTB2600  | 2690       | 2950 | 70         | 420 | 570        | 920 | 2665       | 2835 | 664        | 994 |
| TM-XTB2700  | 2790       | 3050 | 72         | 422 | 570        | 920 | 2765       | 2935 | 664        | 994 |
| TM-XTB3000  | 3090       | 3350 | 58         | 408 | 570        | 920 | 3065       | 3235 | 664        | 994 |

## Telescope extensions

| Part Number | Part            | Dimension A (mm) | Beam Mass (kg) |
|-------------|-----------------|------------------|----------------|
| TM-H1150    | 150mm Extension | 150              | 1.9            |
| TM-H1100    | 100mm Extension | 100              | 1.3            |



## Hydraulic Telescope

| Part Number | Description                                                                     | Weight (kg) | Capacity (T) |
|-------------|---------------------------------------------------------------------------------|-------------|--------------|
| TMBL-CYLL   | HYDRAULIC LIFTING TELESCOPE ASSEMBLIES<br>(2T WITH 350MM LIFT HEIGHT, LGE FEET) | 6.75        | 2.0          |
| TMBL-CYLS   | HYDRAULIC LIFTING TELESCOPE ASSEMBLIES<br>(2T WITH 250MM LIFT HEIGHT)           | 6.25        | 1.5          |

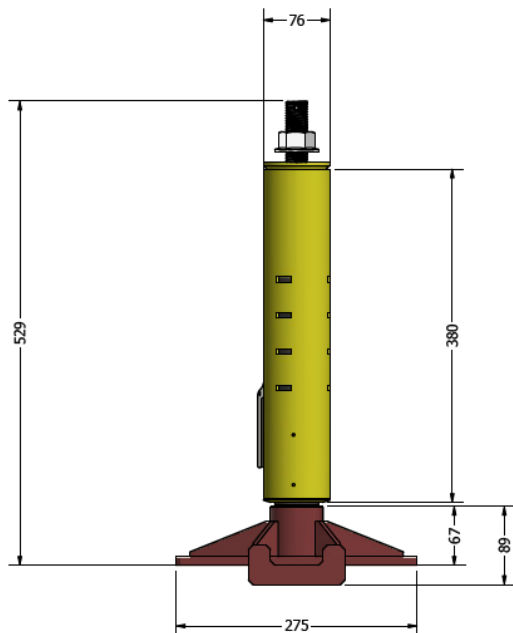


Figure: Techmine hydraulic telescope with 250mm lift

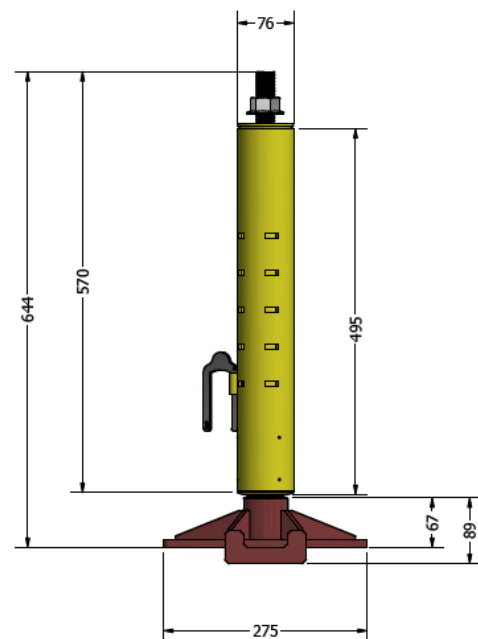
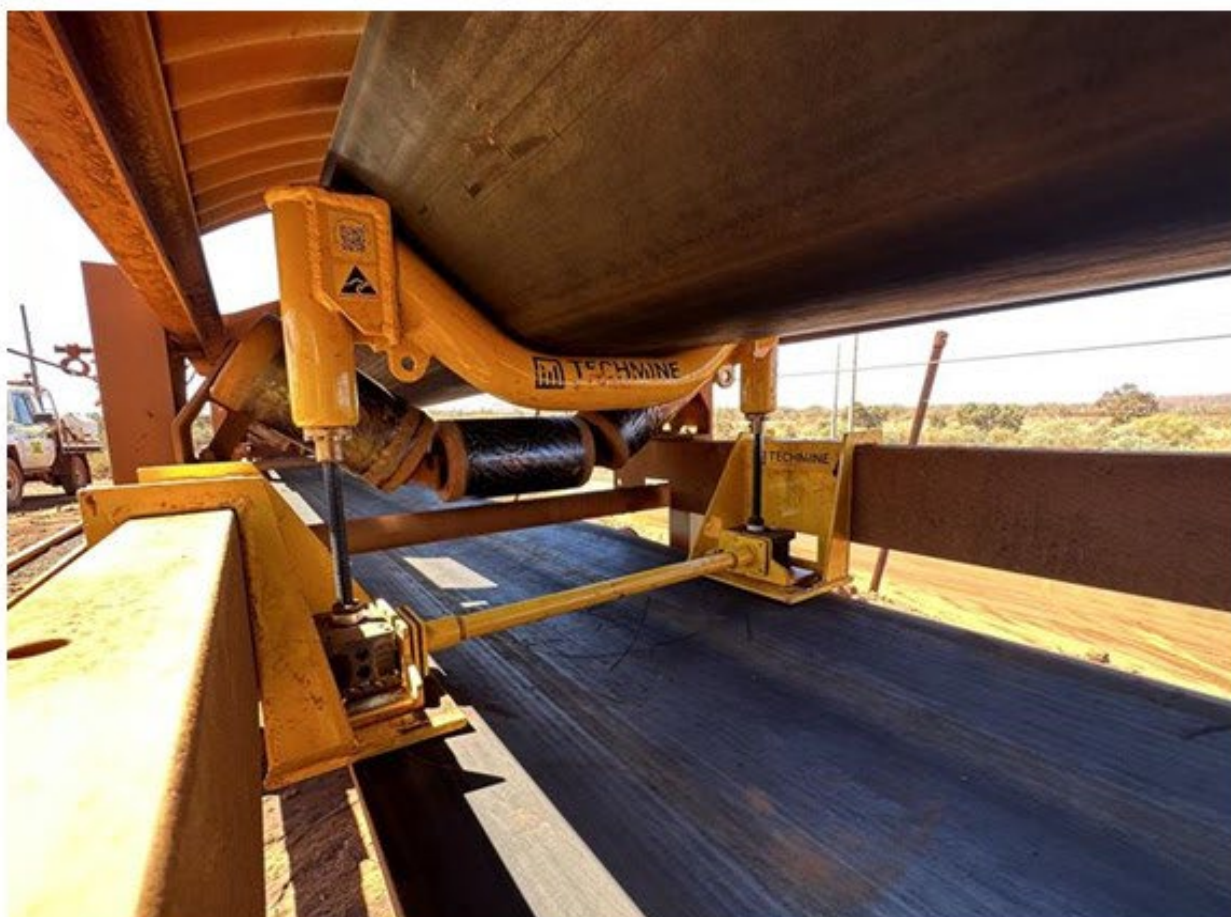


Figure: Techmine hydraulic telescope with 350mm lift

# LIGHTWEIGHT MECHANICAL LIFTERS



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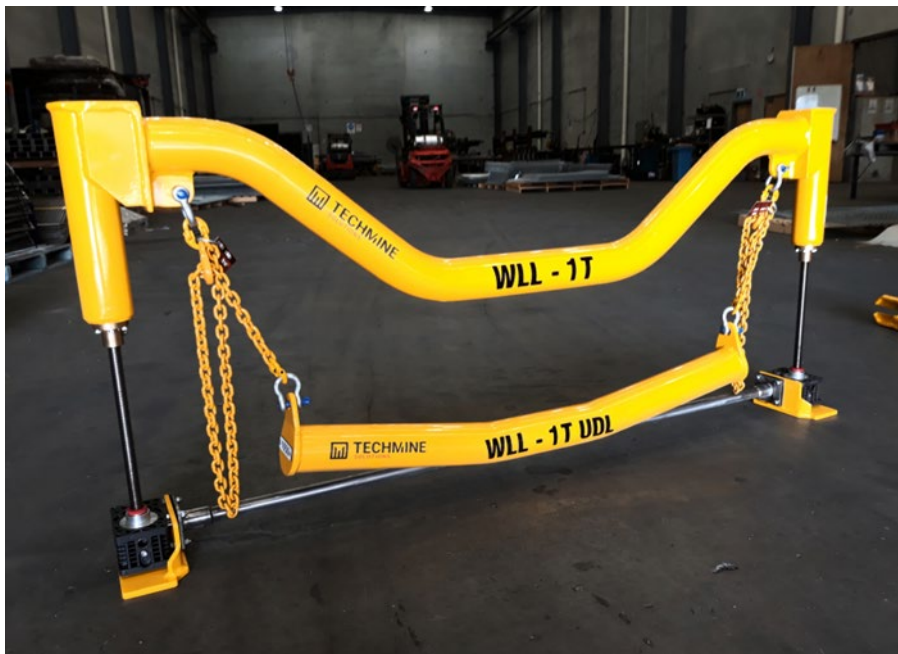
✉ [info@techmine.com.au](mailto:info@techmine.com.au)

☎ +61 8 9303 9564

## Mechanical lifters

### Standard mechanical lifters

Standard Mechanical Lifters come as a single unit where the beams and the mechanical lifters are welded together as a single piece. Therefore, you can directly use it to lift the conveyor belt without the need of any assembly. 0.5T & 1T mechanical lifters are standard mechanical lifters



### Quick start video training

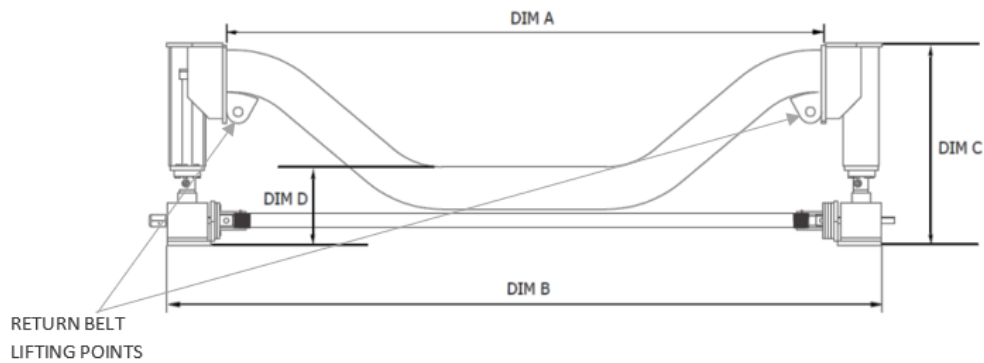
#### Mechanical Lifter Prestart Inspection



#### Safe Use of Mechanical Belt lifter



## Specifications



### 0.5T Mechanical Lifter (feather Light Mechanical lifter)

| MECHANICAL LIFTER  | DIM A (mm) | DIM B (mm) | DIM C (mm) (MIN) | DIM C (mm) (MAX) | DIM D (mm) (MIN) | DIM D (mm) (MAX) | MASS (Kg) |
|--------------------|------------|------------|------------------|------------------|------------------|------------------|-----------|
| TM-FL-ML-900       | 984        | 1155       | 389              | 639              | 254              | 505              | 15.2      |
| TM-FL-ML-1200      | 1284       | 1455       | 399              | 649              | 217              | 467              | 16.4      |
| TM-FL-ML-1500      | 1634       | 1805       | 484              | 834              | 134              | 484              | 17.8      |
| TM-FL-ML-CUST-SIZE | CUSTOM     | CUSTOM     | CUSTOM           | CUSTOM           | CUSTOM           | CUSTOM           | CUSTOM    |

### 1T Mechanical Lifter

| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | DIM C (mm) (MIN) | DIM C (mm) (MAX) | DIM D (mm) (MIN) | DIM D (mm) (MAX) | MASS (Kg) |
|-------------------|------------|------------|------------------|------------------|------------------|------------------|-----------|
| TM-SML-900        | 934        | 1244       | 405              | 655              | 183              | 433              | 18.4      |
| TM-SML-1200       | 1284       | 1544       | 425              | 675              | 164              | 414              | 20.6      |
| TM-SML-1500       | 1634       | 1894       | 509              | 859              | 158              | 508              | 22.2      |
| TM-SML-1600       | 1734       | 1994       | 525              | 875              | 146              | 496              | 22.6      |
| TM-SML-1800       | 2034       | 2294       | 635              | 985              | 254              | 604              | 23.8      |
| TM-SML-2000       | 2234       | 2494       | 635              | 985              | 204              | 554              | 24.5      |
| TM-SML-CUST-SIZE  | CUSTOM     | CUSTOM     | CUSTOM           | CUSTOM           | CUSTOM           | CUSTOM           | CUSTOM    |

## Mechanical telescopes

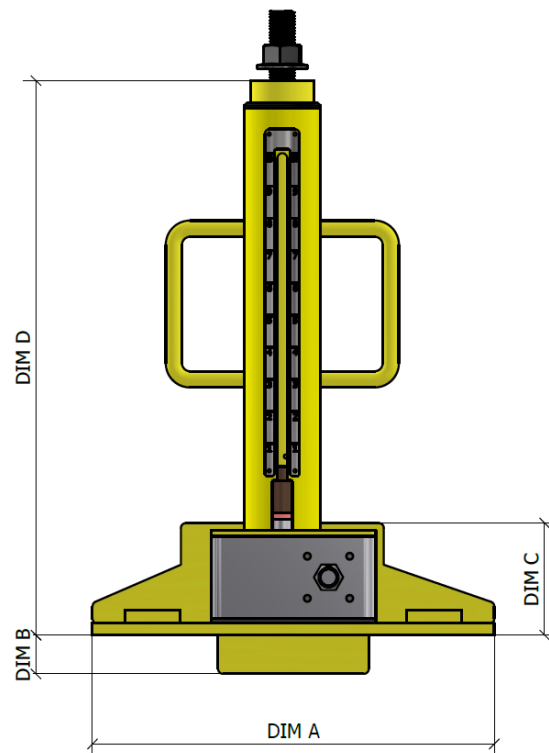
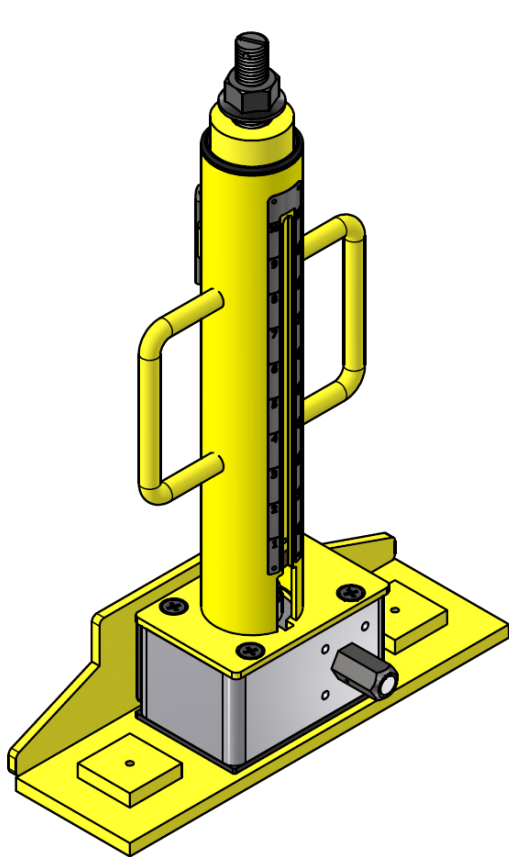
In Mechanical telescopes, the beams and the 2T mechanical telescope come as 2 different units. Therefore, you need to assemble the beam on the mechanical telescope. Only 2T mechanical lifter comes in this configuration.



## Key features

- Hydraulic telescopes can be replaced with mechanical telescopes and use with the same lifting beams.
- 2.0t lifting capacity.
- Operated by two 80 N/m, 500W battery drills either side.
- Weightlifting indicators for uniform lift between two telescopes.
- Ability to lift both trough and return belts simultaneously.
- Can be manufactured and customised to suit unique belt configurations.
- Designed to be serviceable and can be repaired.
- Services up to 3200mm belt widths.

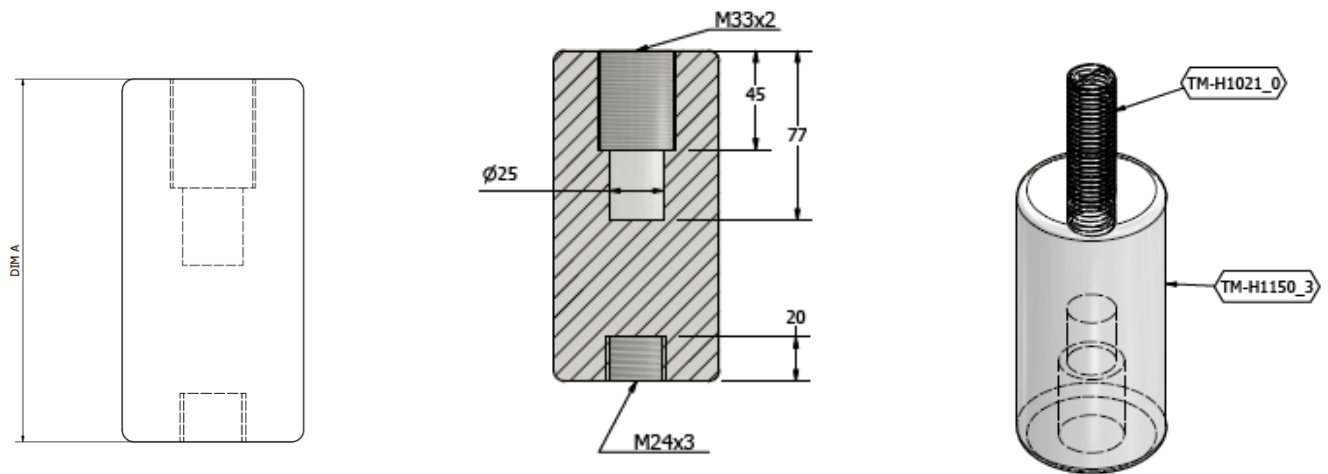
## Mechanical telescopes collection



| MECHANICAL<br>LIFTER | DIM A<br>(mm) | DIM B<br>(mm) | DIM C<br>(mm) | DIM D<br>(mm)<br>(MIN) | DIM D<br>(mm)<br>(MAX) | MASS<br>(Kg) |
|----------------------|---------------|---------------|---------------|------------------------|------------------------|--------------|
| TM-MCYLS2T210        | 280           | 39            | 101           | 541                    | 641                    | 13           |
| TM-MCYLS2T310        | 400           | 39            | 112           | 552                    | 852                    | 15           |
| TM-MCYLS2T310-EXT    | 400           | 39            | 112           | 781                    | 1081                   | 17           |

## Mechanical telescopes accessories

### Extensions



| Part Number | Part            | Dimension A (mm) | Beam Mass (kg) |
|-------------|-----------------|------------------|----------------|
| TM-H1150    | 150mm Extension | 150              | 1.9            |
| TM-H1100    | 100mm Extension | 100              | 1.3            |

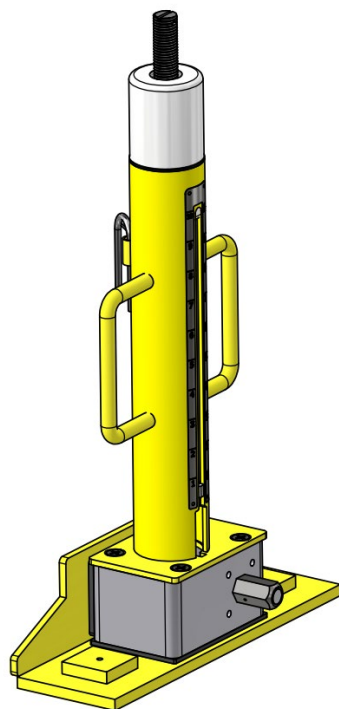


Figure: Techmine mechanical telescope with the extension.

## MECHANICAL LIFTER ANCILLARIES

| Part Number | Details                                                      |
|-------------|--------------------------------------------------------------|
| TM-MLS20    | PAIR OF MECHANICAL LIFTER HEIGHT ADJUSTMENT SLIPPERS (20MM)  |
| TM-MLS50    | PAIR OF MECHANICAL LIFTER HEIGHT ADJUSTMENT SLIPPERS (50MM)  |
| TM-MLS100   | PAIR OF MECHANICAL LIFTER HEIGHT ADJUSTMENT SLIPPERS (100MM) |



TM-MLS50



TM-MLS20

# LIGHTWEIGHT OVERTROUGH BEAMS & SLING LIFTERS



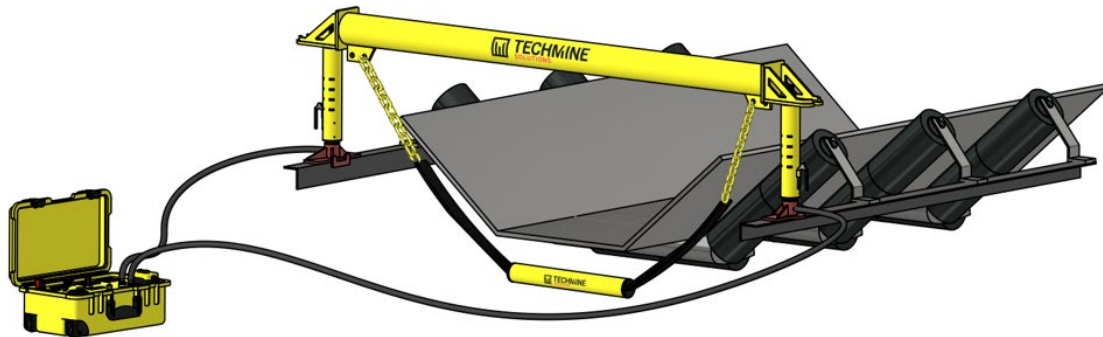
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## Over trough beams & Sling lifters

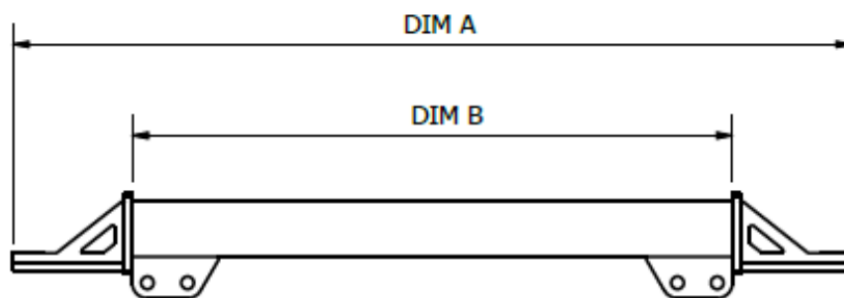


## Over trough beams



All our Techmine trough beams are made from corrosive resistive light-weight alloy to use in conveyor belt maintenance. All the beams are load tested and structurally certified. Techmine trough beams can be used in different configurations with Techmine telescopes and extensions to suite each conveyor belt sizes & configurations. The over trough beam can be used when the bottom side of the belt sits very close or below the top level of the stringer.

## Specifications



### 1T OVERTROUGH LIFTING BEAMS

| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS(Kg) |
|-------------------|------------|------------|----------|
| TM-OTS900         | 1314       | 940        | 3.6      |
| TM-OTS1050        | 1464       | 1090       | 4.1      |
| TM-OTS1200        | 1614       | 1240       | 4.7      |
| TM-OTS1350        | 1764       | 1390       | 5.3      |
| TM-OTS1400        | 1814       | 1440       | 5.4      |
| TM-OTS1500        | 1914       | 1540       | 5.8      |
| TM-OTS1600        | 2014       | 1640       | 6.2      |
| TM-OTS1800        | 2214       | 1840       | 7.0      |
| TM-OTS2000        | 2414       | 2040       | 7.7      |
| TM-OTS-CUST-SIZE  | CUSTOM     | CUSTOM     | CUSTOM   |

## 1.5T Mechanical Lifter

| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM-OTL900         | 1314       | 940        | 3.6       |
| TM-OTL1050        | 1464       | 1090       | 4.1       |
| TM-OTL1200        | 1614       | 1240       | 4.7       |
| TM-OTL1350        | 1764       | 1390       | 5.3       |
| TM-OTL1400        | 1814       | 1440       | 5.4       |
| TM-OTL1500        | 1914       | 1540       | 5.8       |
| TM-OTL1600        | 2014       | 1640       | 6.2       |
| TM-OTL1650        | 2064       | 1690       | 6.4       |
| TM-OTL1800        | 2214       | 1840       | 7.0       |
| TM-OTL2000        | 2414       | 2040       | 7.7       |
| TM-OTL2200        | 2614       | 2240       | 8.5       |
| TM-OTL-CUST-SIZE  | CUSTOM     | CUSTOM     | CUSTOM    |

## 2T Mechanical Lifter

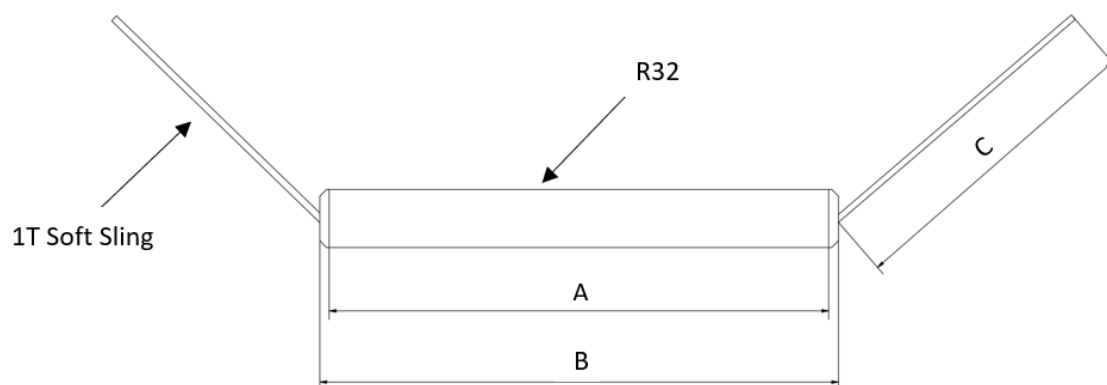
| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM-OTX900         | 1404       | 940        | 4.7       |
| TM-OTX1050        | 1554       | 1090       | 5.4       |
| TM-OTX1200        | 1704       | 1240       | 6.2       |
| TM-OTX1350        | 1854       | 1390       | 6.9       |
| TM-OTX1400        | 1904       | 1440       | 7.2       |
| TM-OTX1500        | 2004       | 1540       | 7.7       |
| TM-OTX1550        | 2054       | 1590       | 7.9       |
| TM-OTX1600        | 2104       | 1640       | 8.2       |
| TM-OTX1700        | 2204       | 1740       | 8.7       |
| TM-OTX1800        | 2304       | 1840       | 9.2       |

|                  |        |        |        |
|------------------|--------|--------|--------|
| TM-OTX2000       | 2504   | 2040   | 10.2   |
| TM-OTX2050       | 2554   | 2090   | 10.4   |
| TM-OTX2200       | 2704   | 2240   | 11.2   |
| TM-OTX2400       | 2904   | 2440   | 12.2   |
| TM-OTX2450       | 3004   | 2490   | 12.4   |
| TM-OTX2600       | 3104   | 2640   | 13.2   |
| TM-OTX2700       | 3204   | 2740   | 13.7   |
| TM-OTX-CUST-SIZE | CUSTOM | CUSTOM | CUSTOM |

### Sling Lifters



### Specifications



### 1T SLING LIFTER

| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | DIM C (mm) | SOFT SLIGHT LENGTH (mm) | MASS (Kg) |
|-------------------|------------|------------|------------|-------------------------|-----------|
| TM-SSTS750        | 250        | 270        | 350        | 970                     | 1.50      |
| TM-SSTS900        | 300        | 320        | 400        | 1120                    | 1.66      |
| TM-SSTS950        | 320        | 340        | 420        | 1180                    | 1.72      |
| TM-SSTS1000       | 340        | 360        | 440        | 1240                    | 1.78      |
| TM-SSTS1050       | 350        | 370        | 450        | 1270                    | 1.81      |
| TM-SSTS1200       | 400        | 420        | 500        | 1420                    | 1.98      |
| TM-SSTS1300       | 440        | 460        | 540        | 1540                    | 2.18      |
| TM-SSTS1350       | 450        | 470        | 550        | 1570                    | 2.25      |
| TM-SSTS1400       | 470        | 490        | 570        | 1630                    | 2.28      |
| TM-SSTS1500       | 500        | 520        | 600        | 1720                    | 3.12      |
| TM-SSTS-CUST-SIZE | CUSTOM     | CUSTOM     | CUSTOM     | CUSTOM                  | CUSTOM    |

### 2T SLING LIFTER

| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | DIM C (mm) | SOFT SLIGHT LENGTH (mm) | MASS (Kg) |
|-------------------|------------|------------|------------|-------------------------|-----------|
| TM-SSTX1500       | 480        | 500        | 600        | 1700                    | 3.98      |
| TM-SSTX1600       | 510        | 530        | 640        | 1800                    | 4.20      |
| TM-SSTX1800       | 580        | 600        | 700        | 2000                    | 5.04      |
| TM-SSTX2000       | 680        | 700        | 750        | 2200                    | 6.31      |
| TM-SSTX2200       | 730        | 750        | 825        | 2400                    | 6.94      |
| TM-SSTX2400       | 780        | 800        | 900        | 2600                    | 7.58      |
| TM-SSTx-CUST-SIZE | CUSTOM     | CUSTOM     | CUSTOM     | CUSTOM                  | CUSTOM    |

### 3T SLING LIFTER

| MECHANICAL LIFTER  | DIM A (mm) | DIM B (mm) | DIM C (mm) | SOFT SLIGHT LENGTH (mm) | MASS (Kg) |
|--------------------|------------|------------|------------|-------------------------|-----------|
| TM-SSTXX1800       | 580        | 600        | 700        | 2000                    | 5.9       |
| TM-SSTXX2000       | 680        | 700        | 750        | 2200                    | 7.17      |
| TM-SSTXX2200       | 730        | 750        | 825        | 2400                    | 7.8       |
| TM-SSTXX2400       | 780        | 800        | 900        | 2600                    | 8.44      |
| TM-SSTXX-CUST-SIZE | CUSTOM     | CUSTOM     | CUSTOM     | CUSTOM                  | CUSTOM    |

# LIGHTWEIGHT RETURN BELT LIFTERS



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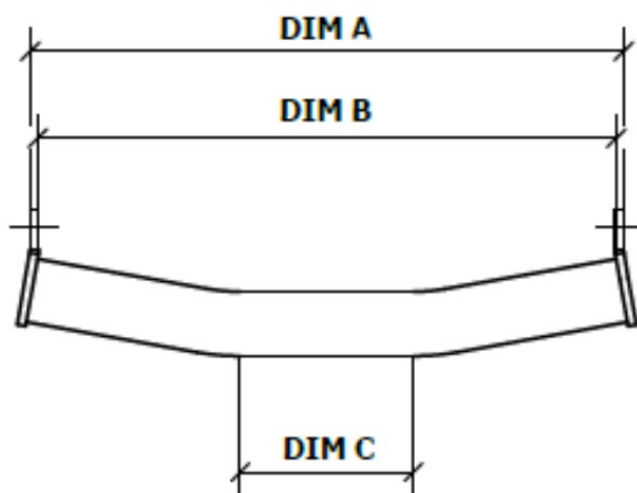
15 Christable Way, Lansdale, WA 6065

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## Return belt lifting beams

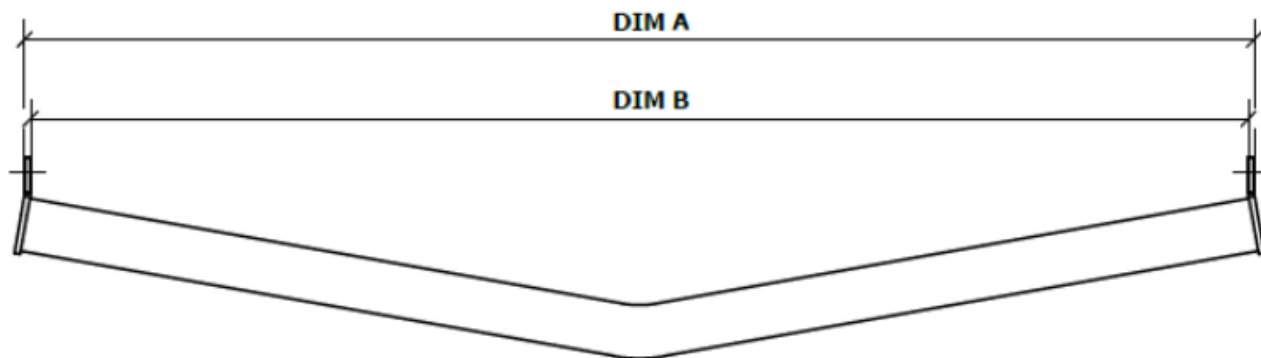
### Specifications



### 1T V-BENT LIFTING BEAMS – SMALL

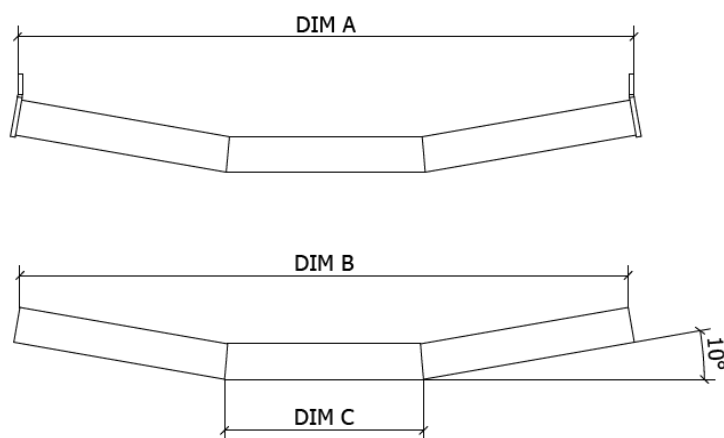
| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | DIM C (mm) | MASS (Kg) |
|-------------------|------------|------------|------------|-----------|
| TM-SVB760         | 824        | 800        | 240        | 2.7       |
| TM-SVB900         | 964        | 940        | 287        | 3.1       |
| TM-SVB950         | 1014       | 990        | 304        | 3.4       |
| TM-SVB1000        | 1064       | 1040       | 321        | 3.7       |
| TM-SVB1050        | 1114       | 1090       | 338        | 3.9       |
| TM-SVB1200        | 1264       | 1240       | 389        | 5.7       |
| TM-SVB1250        | 1314       | 1290       | 406        | 5.9       |
| TM-SVB1350        | 1414       | 1390       | 440        | 6.6       |
| TM-SVB1400        | 1464       | 1440       | 457        | 7.2       |
| TM-SVB1450        | 1514       | 1490       | 474        | 7.5       |
| TM-SVB1500        | 1564       | 1540       | 491        | 7.8       |
| TM-SVB1550        | 1614       | 1590       | 508        | 8.2       |

## 1T V-BENT LIFTING BEAMS – LARGE



| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM-SVB1600        | 1664       | 1640       | 8.5       |
| TM-SVB1650        | 1714       | 1690       | 8.9       |
| TM-SVB1800        | 1864       | 1890       | 9.5       |
| TM-SVB1850        | 1914       | 2040       | 9.8       |
| TM-SVB2000        | 2064       | 2090       | 10.5      |
| TM-SVB2050        | 2114       | 2240       | 10.8      |
| TM-SVB2200        | 2264       | 2290       | 11.5      |
| TM-SVB2250        | 2314       | 2440       | 11.8      |
| TM-SVB2400        | 2465       | 2490       | 12.5      |
| TM-SVB2450        | 2514       | 2540       | 12.8      |
| TM-SVB2600        | 2664       | 2640       | 13.1      |
| TM-SVB2700        | 2764       | 2740       | 14.0      |
| TM-SVB3000        | 3064       | 3040       | 16.5      |

## 1.5T V-BENT LIFTING BEAMS – SMALL

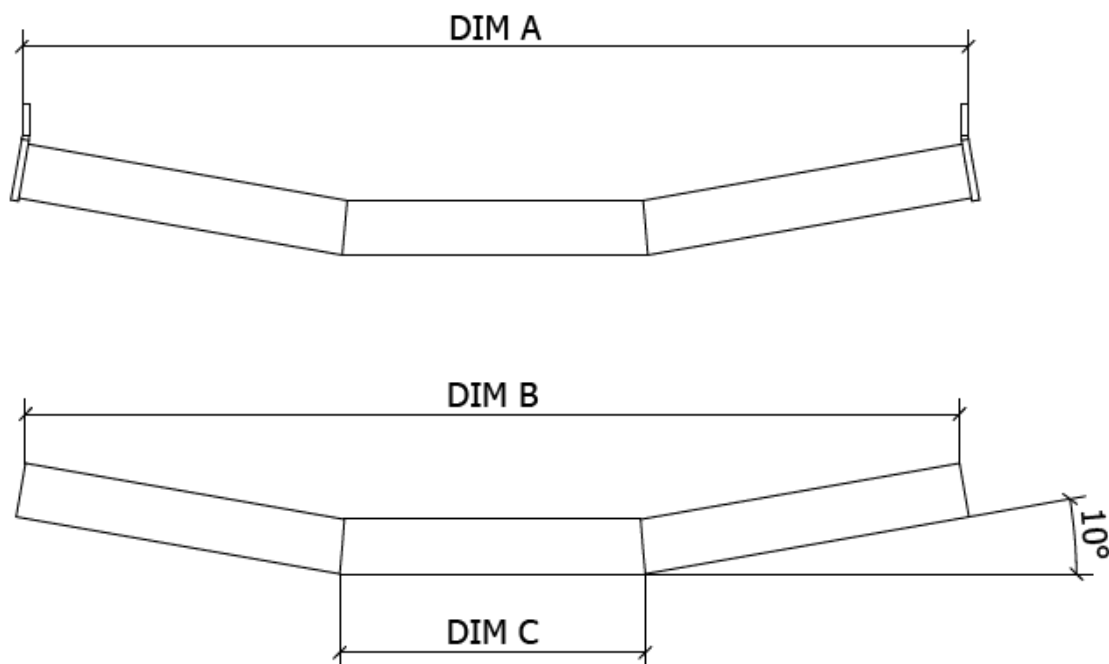


| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | DIM C (mm) | MASS (Kg) |
|-------------------|------------|------------|------------|-----------|
| TM-LVB760         | 824        | 800        | 240        | 2.7       |
| TM-LVB900         | 964        | 940        | 287        | 3.1       |
| TM-LVB950         | 1014       | 990        | 304        | 3.4       |
| TM-LVB1000        | 1064       | 1040       | 321        | 3.7       |
| TM-LVB1050        | 1114       | 1090       | 338        | 3.9       |
| TM-LVB1200        | 1264       | 1240       | 389        | 5.7       |
| TM-LVB1250        | 1314       | 1290       | 406        | 5.9       |
| TM-LVB1350        | 1414       | 1390       | 440        | 6.6       |
| TM-LVB1400        | 1464       | 1440       | 457        | 7.2       |
| TM-LVB1450        | 1514       | 1490       | 474        | 7.5       |
| TM-LVB1500        | 1564       | 1540       | 491        | 7.8       |
| TM-LVB1550        | 1614       | 1590       | 508        | 8.2       |

## 1.5T V-BENT LIFTING BEAMS – LARGE

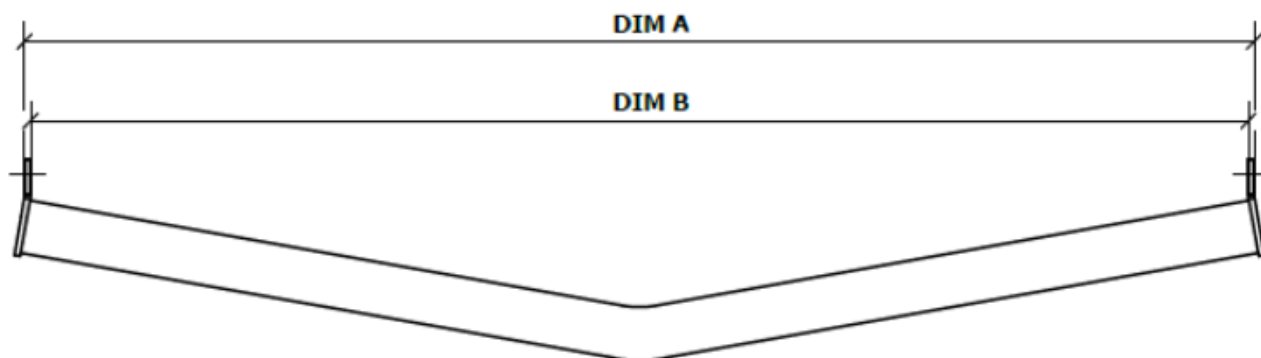
| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM-LVB1600        | 1664       | 1640       | 8.5       |
| TM-LVB1650        | 1714       | 1690       | 8.9       |
| TM-LVB1800        | 1864       | 1890       | 9.5       |
| TM-LVB1850        | 1914       | 2040       | 9.8       |
| TM-LVB2000        | 2064       | 2090       | 10.5      |
| TM-LVB2050        | 2114       | 2240       | 10.8      |
| TM-LVB2200        | 2264       | 2290       | 11.5      |
| TM-LVB2250        | 2314       | 2440       | 11.8      |
| TM-LVB2400        | 2465       | 2490       | 12.5      |
| TM-LVB2450        | 2514       | 2540       | 12.8      |
| TM-LVB2600        | 2664       | 2640       | 13.1      |
| TM-LVB2700        | 2764       | 2740       | 14.0      |
| TM-LVB3000        | 3064       | 3040       | 16.5      |

## 2.0T V-BENT LIFTING BEAMS – SMALL



| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | DIM C (mm) | MASS (Kg) |
|-------------------|------------|------------|------------|-----------|
| TM-XVB760         | 824        | 800        | 240        | 2.7       |
| TM-XVB900         | 964        | 940        | 287        | 3.1       |
| TM-XVB950         | 1014       | 990        | 304        | 3.4       |
| TM-XVB1000        | 1064       | 1040       | 321        | 3.7       |
| TM-XVB1050        | 1114       | 1090       | 338        | 3.9       |
| TM-XVB1200        | 1264       | 1240       | 389        | 5.7       |
| TM-XVB1250        | 1314       | 1290       | 406        | 5.9       |
| TM-XVB1350        | 1414       | 1390       | 440        | 6.6       |
| TM-XVB1400        | 1464       | 1440       | 457        | 7.2       |
| TM-XVB1450        | 1514       | 1490       | 474        | 7.5       |
| TM-XVB1500        | 1564       | 1540       | 491        | 7.8       |
| TM-XVB1550        | 1614       | 1590       | 508        | 8.2       |

## 2.0T V-BENT LIFTING BEAMS – LARGE



| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM-XVB1600        | 1664       | 1640       | 8.5       |
| TM-XVB1650        | 1714       | 1690       | 8.9       |
| TM-XVB1800        | 1864       | 1890       | 9.5       |
| TM-XVB1850        | 1914       | 2040       | 9.8       |
| TM-XVB2000        | 2064       | 2090       | 10.5      |
| TM-XVB2050        | 2114       | 2240       | 10.8      |
| TM-XVB2200        | 2264       | 2290       | 11.5      |
| TM-XVB2250        | 2314       | 2440       | 11.8      |
| TM-XVB2400        | 2465       | 2490       | 12.5      |
| TM-XVB2450        | 2514       | 2540       | 12.8      |
| TM-XVB2600        | 2664       | 2640       | 13.1      |
| TM-XVB2700        | 2764       | 2740       | 14.0      |
| TM-XVB3000        | 3064       | 3040       | 16.5      |
| TM-XVB3200        | 3264       | 3240       | 17.4      |

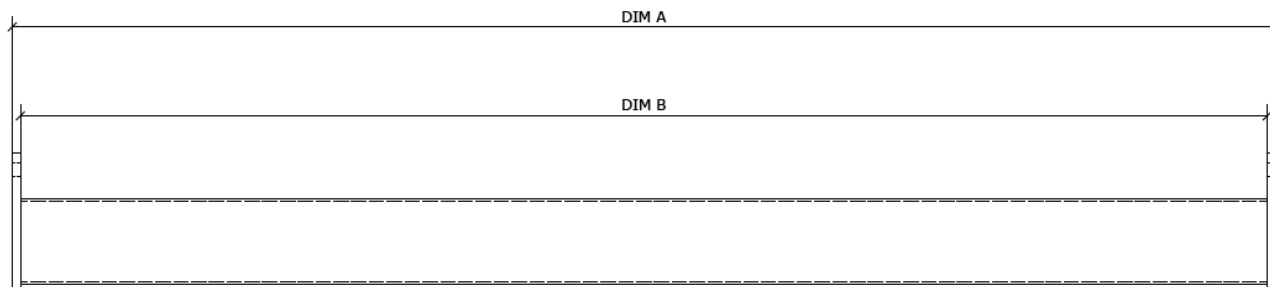
## 1.0T FLAT LIFTING BEAMS

| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM-SFB-760        | 824        | 800        | 2.7       |
| TM-SFB-900        | 964        | 940        | 3.1       |
| TM-SFB-950        | 1014       | 990        | 3.4       |
| TM-SFB-1000       | 1064       | 1040       | 3.7       |
| TM-SFB-1050       | 1114       | 1090       | 3.9       |
| TM-SFB-1200       | 1264       | 1240       | 5.7       |
| TM- SFB-1250      | 1314       | 1290       | 5.9       |
| TM- SFB-1350      | 1414       | 1390       | 6.6       |
| TM- SFB-1400      | 1464       | 1440       | 7.2       |
| TM- SFB-1450      | 1514       | 1490       | 7.5       |
| TM- SFB-1500      | 1564       | 1540       | 7.8       |
| TM- SFB-1550      | 1614       | 1590       | 8.2       |
| TM- SFB-1600      | 1664       | 1640       | 8.5       |
| TM- SFB-1650      | 1714       | 1690       | 8.9       |
| TM- SFB-1800      | 1864       | 1840       | 9.5       |
| TM- SFB-1850      | 1914       | 1890       | 9.8       |
| TM- SFB-2000      | 2064       | 2040       | 10.5      |
| TM- SFB-2050      | 2114       | 2090       | 10.8      |
| TM- SFB-2200      | 2264       | 2240       | 11.5      |
| TM- SFB-2250      | 2314       | 2290       | 11.8      |
| TM- SFB-2400      | 2464       | 2440       | 12.5      |
| TM- SFB-2450      | 2514       | 2490       | 12.8      |
| TM- SFB-2500      | 2564       | 2540       | 13.1      |
| TM- SFB-2600      | 2664       | 2640       | 13.5      |
| TM- SFB-2700      | 2764       | 2740       | 14.0      |
| TM- SFB-3000      | 3064       | 3040       | 16.5      |

## 1.5T FLAT LIFTING BEAMS

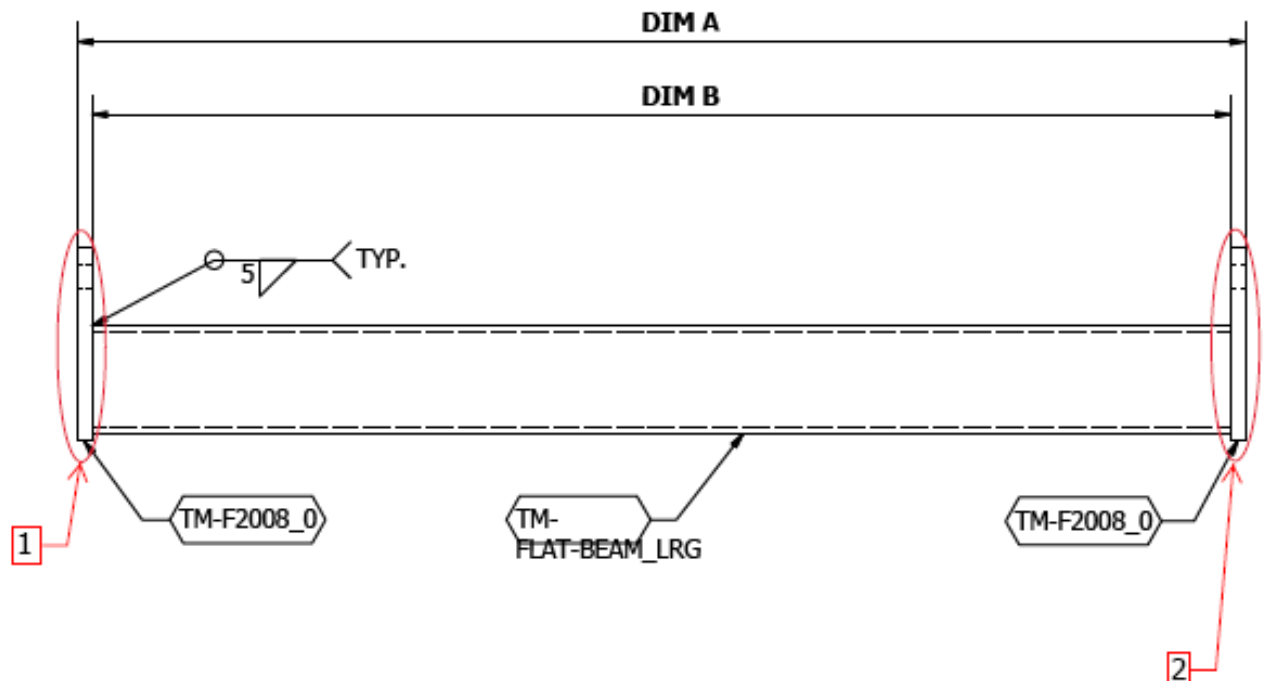
| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS(Kg) |
|-------------------|------------|------------|----------|
| TM-LFB-760        | 824        | 800        | 2.7      |
| TM-LFB-900        | 964        | 940        | 3.1      |
| TM-LFB-950        | 1014       | 990        | 3.4      |
| TM-LFB-1000       | 1064       | 1040       | 3.7      |
| TM-LFB-1050       | 1114       | 1090       | 3.9      |
| TM-LFB-1200       | 1264       | 1240       | 5.7      |
| TM- LFB-1250      | 1314       | 1290       | 5.9      |
| TM- LFB-1350      | 1414       | 1390       | 6.6      |
| TM- LFB-1400      | 1464       | 1440       | 7.2      |
| TM- LFB-1450      | 1514       | 1490       | 7.5      |
| TM- LFB-1500      | 1564       | 1540       | 7.8      |
| TM- LFB-1550      | 1614       | 1590       | 8.2      |
| TM- LFB-1600      | 1664       | 1640       | 8.5      |
| TM- LFB-1650      | 1714       | 1690       | 8.9      |
| TM- LFB-1800      | 1864       | 1840       | 9.5      |
| TM- LFB-1850      | 1914       | 1890       | 9.8      |
| TM- LFB-1950      | 2014       | 1990       | 10.1     |
| TM- LFB-2000      | 2064       | 2040       | 10.5     |
| TM- LFB-2050      | 2114       | 2090       | 10.8     |
| TM- LFB-2200      | 2264       | 2240       | 11.5     |
| TM- LFB-2250      | 2314       | 2290       | 11.8     |
| TM- LFB-2400      | 2464       | 2440       | 12.5     |
| TM- LFB-2450      | 2514       | 2490       | 12.8     |
| TM- LFB-2500      | 2564       | 2540       | 13.1     |
| TM- LFB-2600      | 2664       | 2640       | 13.5     |
| TM- LFB-2700      | 2764       | 2740       | 14.0     |
| TM- LFB-3000      | 3064       | 3040       | 16.5     |

## 2.0T FLAT LIFTING BEAMS – SMALL



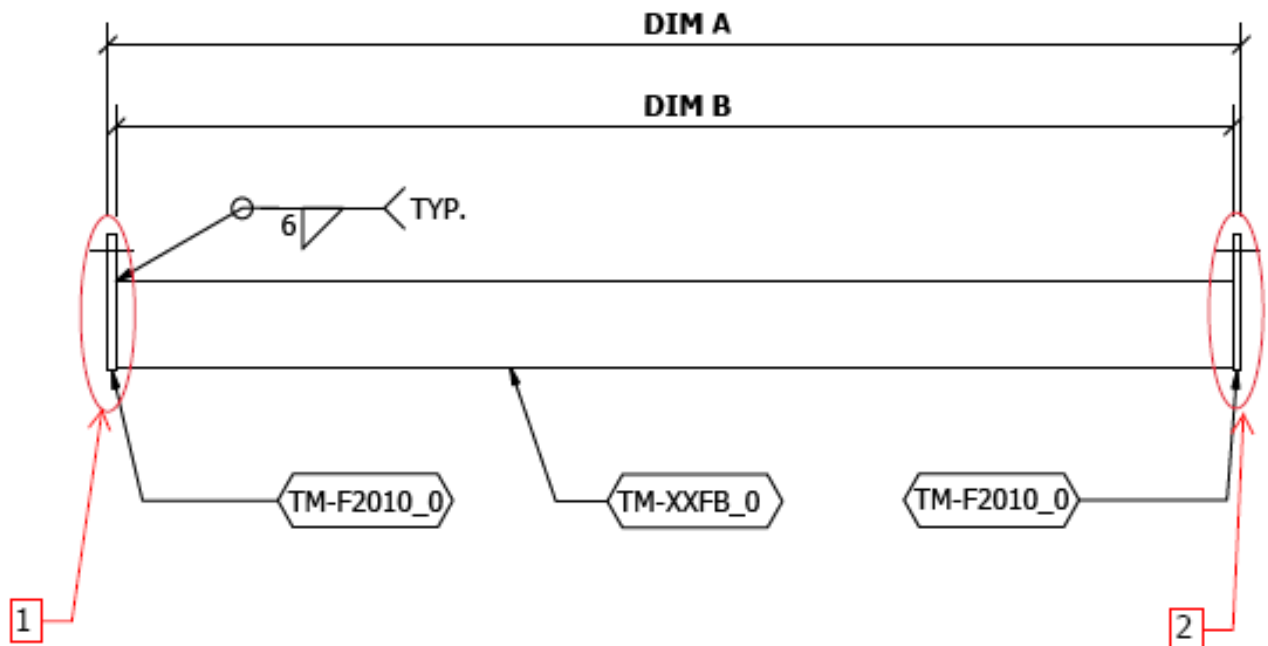
| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS(Kg) |
|-------------------|------------|------------|----------|
| TM-XFB-760        | 824        | 800        | 2.7      |
| TM-XFB-900        | 964        | 940        | 3.1      |
| TM-XFB-950        | 1014       | 990        | 3.4      |
| TM-XFB-1000       | 1064       | 1040       | 3.7      |
| TM-XFB-1050       | 1114       | 1090       | 3.9      |
| TM-XFB-1200       | 1264       | 1240       | 5.7      |
| TM- XFB-1250      | 1314       | 1290       | 5.9      |
| TM- XFB-1350      | 1414       | 1390       | 6.6      |
| TM- XFB-1400      | 1464       | 1440       | 7.2      |
| TM- XFB-1450      | 1514       | 1490       | 7.5      |
| TM- XFB-1500      | 1564       | 1540       | 7.8      |
| TM- XFB-1550      | 1614       | 1590       | 8.2      |

## 2.0T FLAT LIFTING BEAMS – LARGE



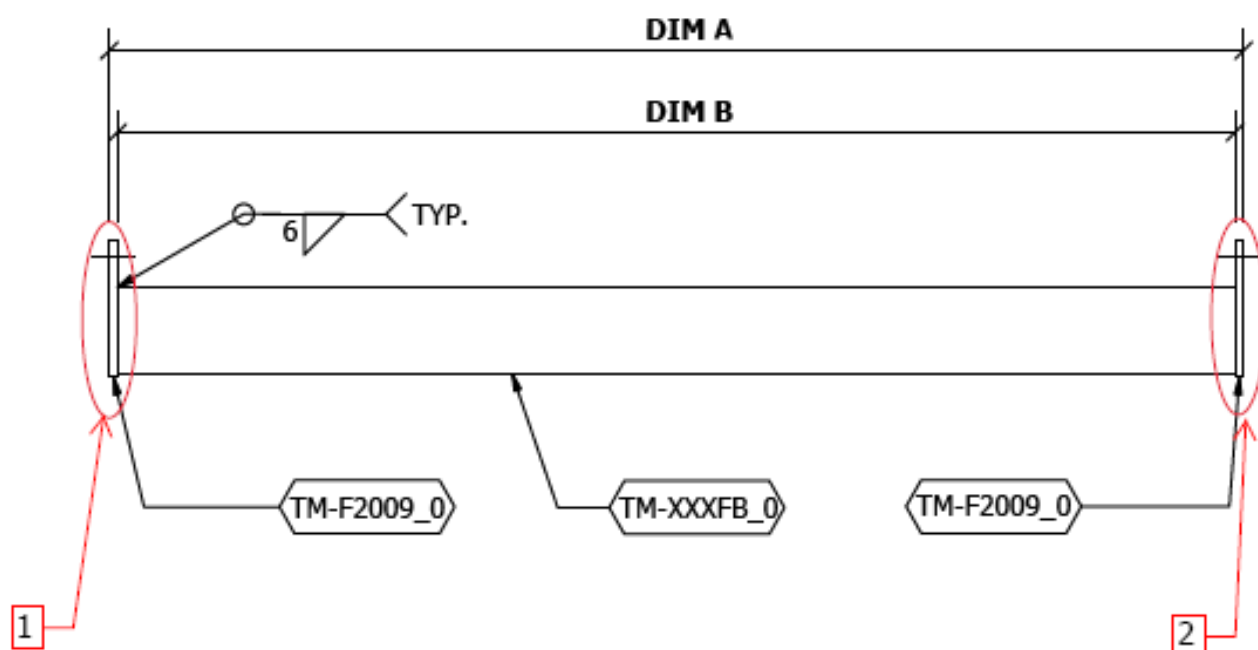
| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM- XFB-1600      | 1664       | 1640       | 8.5       |
| TM- XFB-1650      | 1714       | 1690       | 8.9       |
| TM- XFB-1800      | 1864       | 1840       | 9.5       |
| TM- XFB-1850      | 1914       | 1890       | 9.8       |
| TM- XFB-1950      | 2014       | 1990       | 10.1      |
| TM- XFB-2000      | 2064       | 2040       | 10.5      |
| TM- XFB-2050      | 2114       | 2090       | 10.8      |
| TM- XFB-2200      | 2264       | 2240       | 11.5      |
| TM- XFB-2250      | 2314       | 2290       | 11.8      |
| TM- XFB-2400      | 2464       | 2440       | 12.5      |
| TM- XFB-2450      | 2514       | 2490       | 12.8      |
| TM- XFB-2500      | 2564       | 2540       | 13.1      |
| TM- XFB-2600      | 2664       | 2640       | 13.5      |
| TM- XFB-2700      | 2764       | 2740       | 14.0      |
| TM- XFB-3000      | 3064       | 3040       | 16.5      |
| TM- XFB-3200      | 3264       | 3240       | 17.4      |

## 3.0T FLAT LIFTING BEAMS – EXTRA LARGE



| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM- XXFB-1800     | 1880       | 1848       | 15.8      |
| TM- XXFB-1850     | 1930       | 1898       | 16.3      |
| TM- XXFB-1950     | 2030       | 1998       | 17.3      |
| TM- XXFB-2000     | 2080       | 2048       | 17.8      |
| TM- XXFB-2050     | 2130       | 2098       | 18.3      |
| TM- XXFB-2200     | 2280       | 2248       | 19.8      |
| TM- XXFB-2250     | 2330       | 2298       | 20.3      |
| TM- XXFB-2400     | 2480       | 2448       | 21.8      |
| TM- XXFB-2450     | 2530       | 2498       | 22.3      |
| TM- XXFB-2500     | 2580       | 2548       | 22.8      |
| TM- XXFB-2600     | 2680       | 2648       | 23.8      |
| TM- XXFB-2700     | 2780       | 2748       | 24.8      |
| TM- XXFB-2800     | 2880       | 2848       | 25.8      |
| TM- XXFB-2900     | 2980       | 2948       | 26.8      |
| TM- XXFB-3000     | 3080       | 3048       | 27.8      |
| TM- XXFB-3100     | 3180       | 3148       | 28.8      |
| TM- XXFB-3200     | 3280       | 3248       | 29.8      |

## 3.5T FLAT LIFTING BEAMS – EXTRA EXTRA LARGE



| MECHANICAL LIFTER | DIM A (mm) | DIM B (mm) | MASS (Kg) |
|-------------------|------------|------------|-----------|
| TM- XXXFB-1800    | 1880       | 1840       | 15.8      |
| TM- XXXFB-1850    | 1930       | 1890       | 16.3      |
| TM- XXXFB-1950    | 2030       | 1990       | 17.3      |
| TM- XXXFB-2000    | 2080       | 2040       | 17.8      |
| TM- XXXFB-2050    | 2130       | 2090       | 18.3      |
| TM- XXXFB-2200    | 2280       | 2240       | 19.8      |
| TM- XXXFB-2250    | 2330       | 2290       | 20.3      |
| TM- XXXFB-2400    | 2480       | 2440       | 21.8      |
| TM- XXXFB-2450    | 2530       | 2490       | 22.3      |
| TM- XXXFB-2500    | 2580       | 2540       | 22.8      |
| TM- XXXFB-2600    | 2680       | 2640       | 23.8      |
| TM- XXXFB-2700    | 2780       | 2740       | 24.8      |
| TM- XXXFB-2800    | 2880       | 2840       | 25.8      |
| TM- XXXFB-2900    | 2980       | 2940       | 26.8      |
| TM- XXXFB-3000    | 3080       | 3040       | 27.8      |
| TM- XXXFB-3100    | 3180       | 3140       | 28.8      |
| TM- XXXFB-3200    | 3280       | 3240       | 29.8      |



**TECHMINE**  
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# WING LIFTERS



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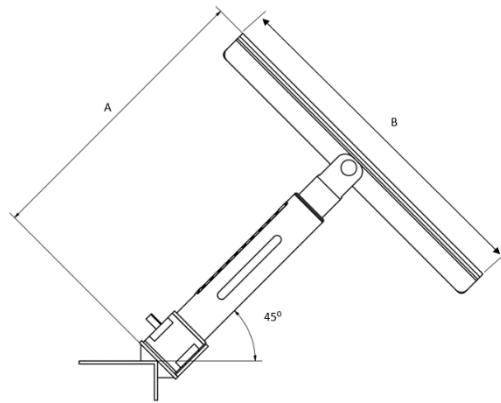
## Wing lifter



### Key features

- T Lifting capacity.
- Ideal for unscheduled breakdowns.
- Operated by 80 N/m, 500W battery drill.
- Improved efficiency: Quickly and safely remove the wing roller without lifting the whole belt.
- Magnetic base for added rigidity.
- Handles for easy placement and to carry easily.
- Comes with 4 different extensions to suit 1500mm to 2400mm belt widths.

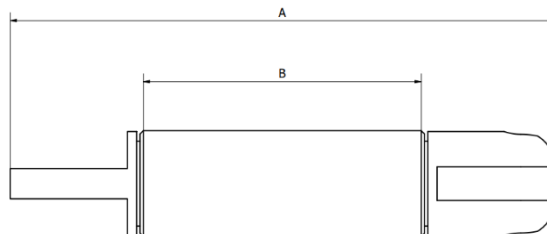
## Specifications



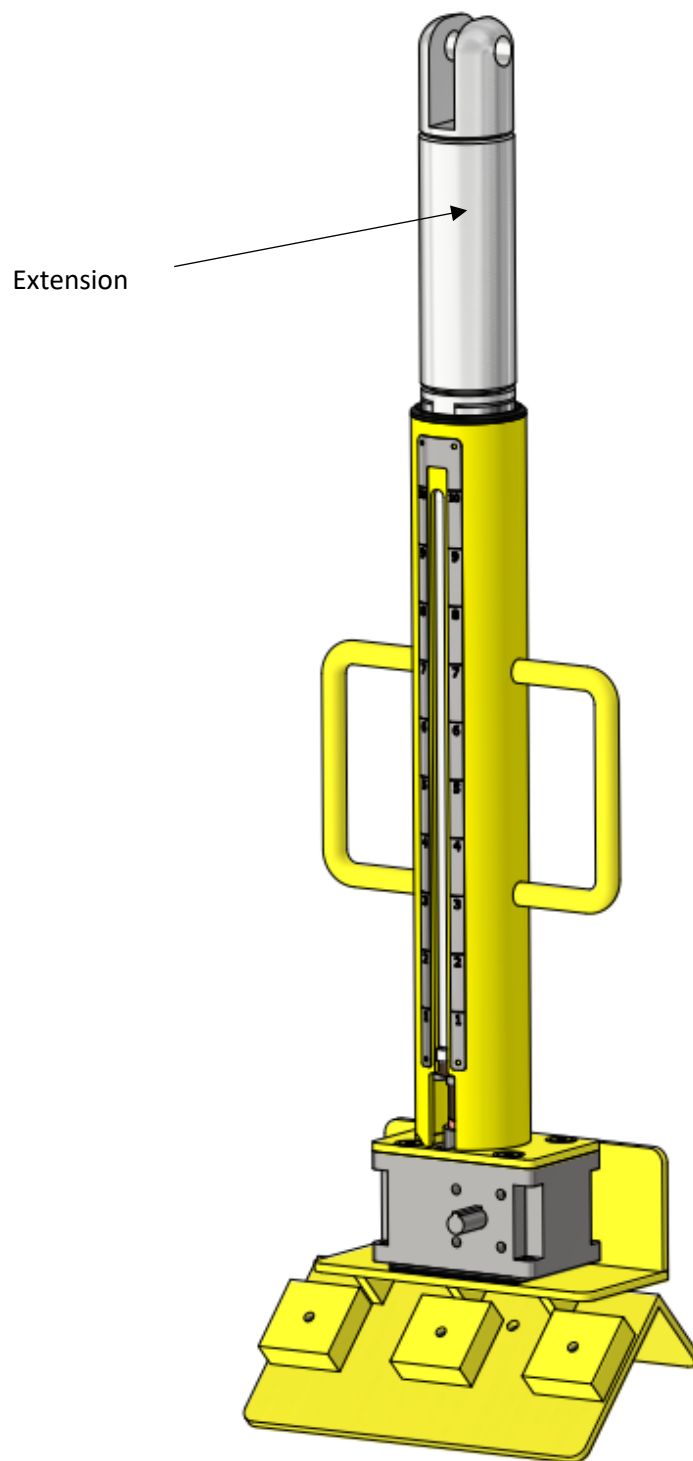
| WING LIFTER     | DIM A (mm) | WLL (T) | LIFT (mm) | TOTAL LIFTING TIME (s) | MASS (Kg) |
|-----------------|------------|---------|-----------|------------------------|-----------|
| 1. 200mm LIFTER | 516        | 1.0     | 200       | 30-45                  | 16.0      |
| 2. 300mm LIFTER | 616        | 1.0     | 300       | 30-45                  | 16.5      |

## Wing lifter extensions

Extensions can be used to extend the height (DIM A) of the wing lifter.



| Extension (mm) | Dim A (mm) | Dim B (mm) | Beam Mass (kg) |
|----------------|------------|------------|----------------|
| 116            | 185        | 30         | 0.81           |
| 170            | 239        | 84         | 0.92           |
| 256            | 325        | 170        | 1.23           |
| 396            | 465        | 310        | 1.65           |



*Figure Techmine wing lifter with extension.*



# DROP BOTTOM BIN



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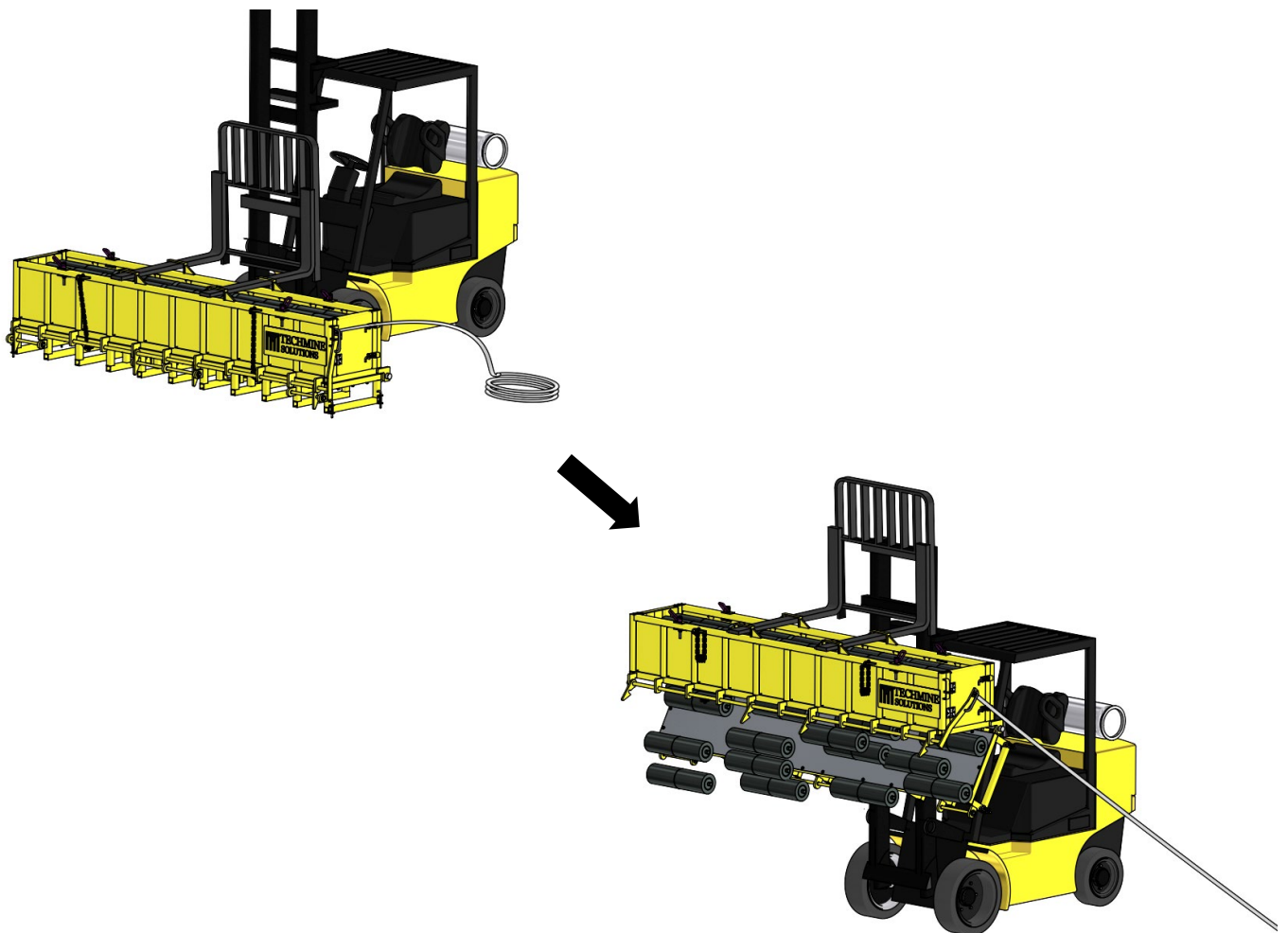
15 Christable Way, Lansdale, WA 6065

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## Drop bottom bins

All our Techmine Drop Bottom Bins (DBB) are load tested and made from corrosive resistive light-weight alloy to use in conveyor belt maintenance. DBB are used to carry and transport waste materials such as old rollers from the conveyors. The old rollers (waste material) can be packed in to the DBB according to the rated loading limit and transport to the disposing location (For a bigger bin). The speciality of the Techmine DBB is the self-latching bottom. It makes the unloading process easy, and it can make the whole process efficient.

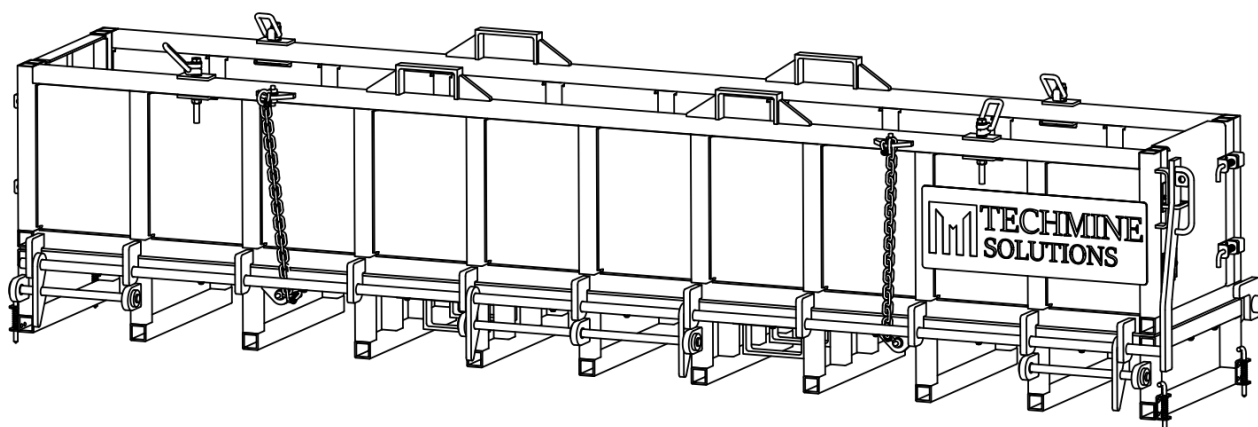


## Quick start video training

### Key features

- Ultra-light weight bin design.
- Engineered & 3rd party certified for the working load limit.
- Easily operated with levers.
- Ergonomic design for loading and unloading of rollers/skirt plates etc.
- Bin width and length can be fabricated according to the requirement.
- Secondary safety lugs with chains and shackles for extra safety.

### Specifications



| Part Number  | Material  | Length (mm) | Width (mm) | Height (mm) | Weight (Kg) | Capacity (T) |
|--------------|-----------|-------------|------------|-------------|-------------|--------------|
| TM-GA50701_0 | Aluminium | 700         | 650        | 760         | 100         | 1.2          |
| TM-GA100001  | Aluminium | 760         | 700        | 700         | 178         | 1.2          |
| TM-GA50801_0 | Aluminium | 800         | 750        | 760         | 110         | 1.2          |
| TM-A100167_1 | Steel     | 1500        | 480        | 720         | 261         | 1.2          |
| TM-A100166_1 | Steel     | 2300        | 480        | 720         | 314         | 1.5          |
| TM-A100165_1 | Steel     | 2300        | 650        | 720         | 284         | 1.5          |
| TM-GA100020  | Aluminium | 2900        | 550        | 550         | 354         | 1.5          |
| TM-GA100030  | Aluminium | 3600        | 550        | 550         | 443         | 1.8          |

# ACCESS PLANKS



**TECHMINE**  
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## Access plank

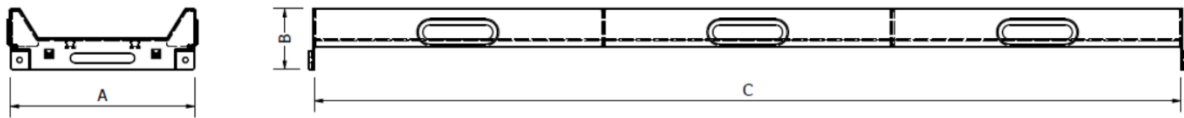
Techmine solution's lightweight access plank is fabricated out of structural-grade aluminium, delivering unparalleled strength and durability. This access plank is equipped with slide rails effectively eliminating catchpoints and allowing the access plank to run smoothly on conveyor stringers. Retaining nuts allows the access plank to be securely locked onto the kickplate. This plank is rated to a working load limit of 150kgs



### Key features

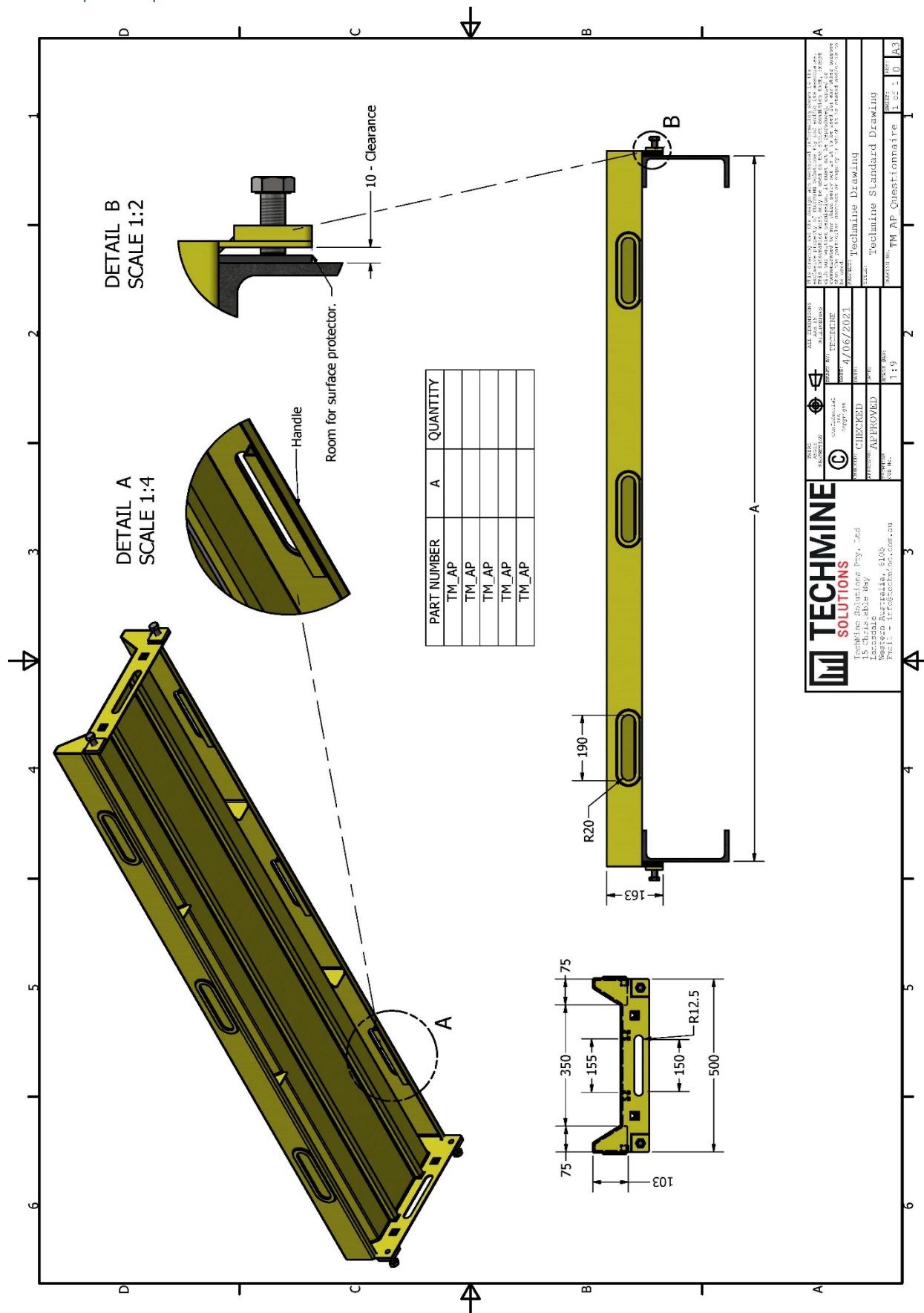
- Light weight access plank.
- 150 kg Working Load Limit.
- Designed to access return idler on stackers and reclaimers.
- Well suited for use on inclined return belt idlers.
- Equipped with slide rails effectively eliminating catchpoints.
- Retaining nuts allows the access plank to be securely locked onto the kickplate

## Specifications

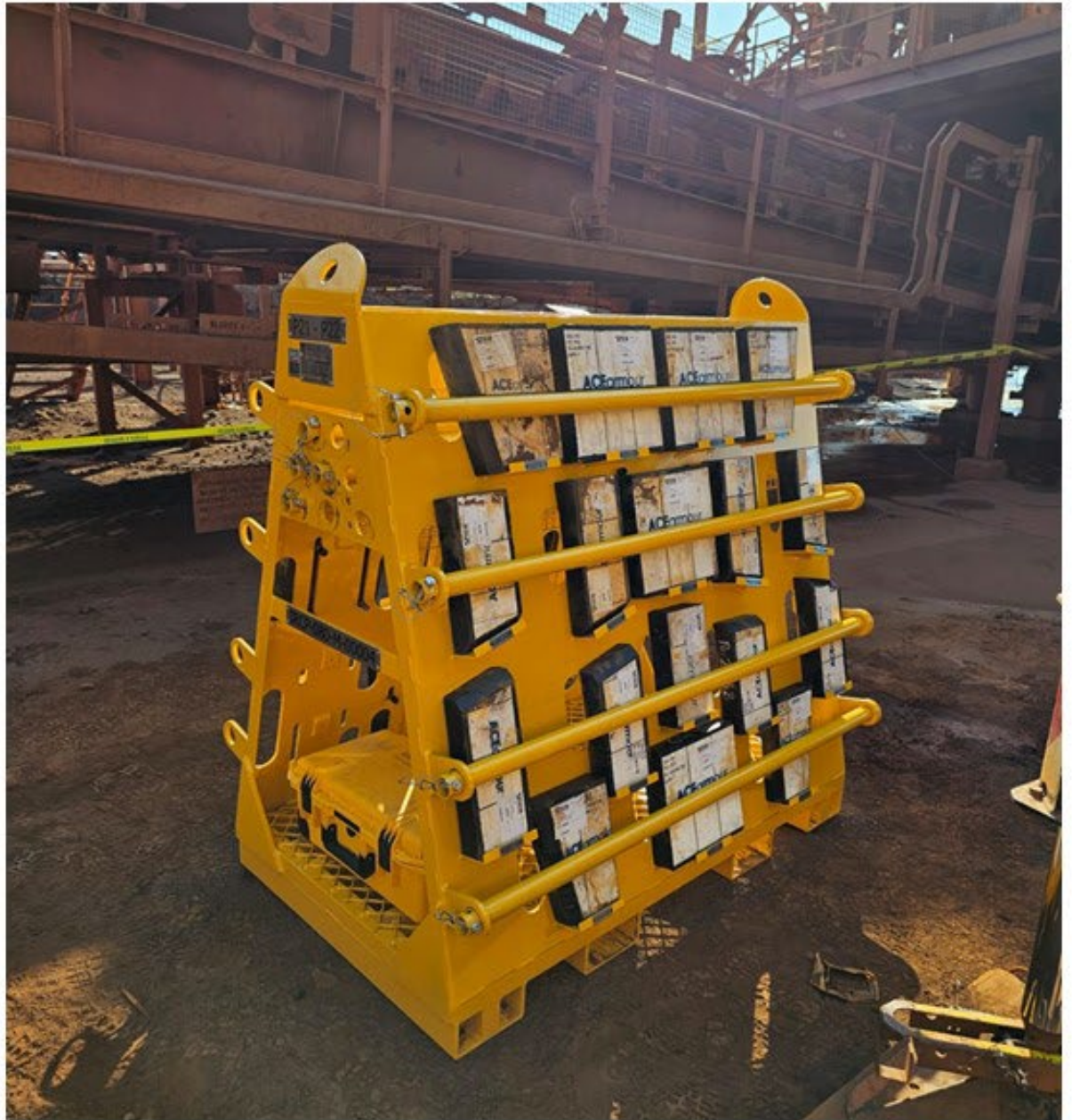


| Part Number      | DIM A<br>(mm) | DIM B<br>(mm) | DIM C<br>(mm) | Weight<br>(Kg) | Capacity (Kg) |
|------------------|---------------|---------------|---------------|----------------|---------------|
| TM-LAP-1200      | 500           | 163           | 1750          | 13.0           | 150           |
| TM-LAP-1500      | 500           | 163           | 2050          | 16.0           | 150           |
| TM-LAP-1800      | 500           | 163           | 2350          | 19.0           | 150           |
| TM-LAP-2000      | 500           | 163           | 2550          | 21.0           | 150           |
| TM-LAP-2400      | 500           | 163           | 2950          | 26.0           | 150           |
| TM-LAP-CUST-SIZE | 500           | 163           | -             | -              | -             |

## Access plank questionnaire



# SHADOW BOARD



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## Shadow boards

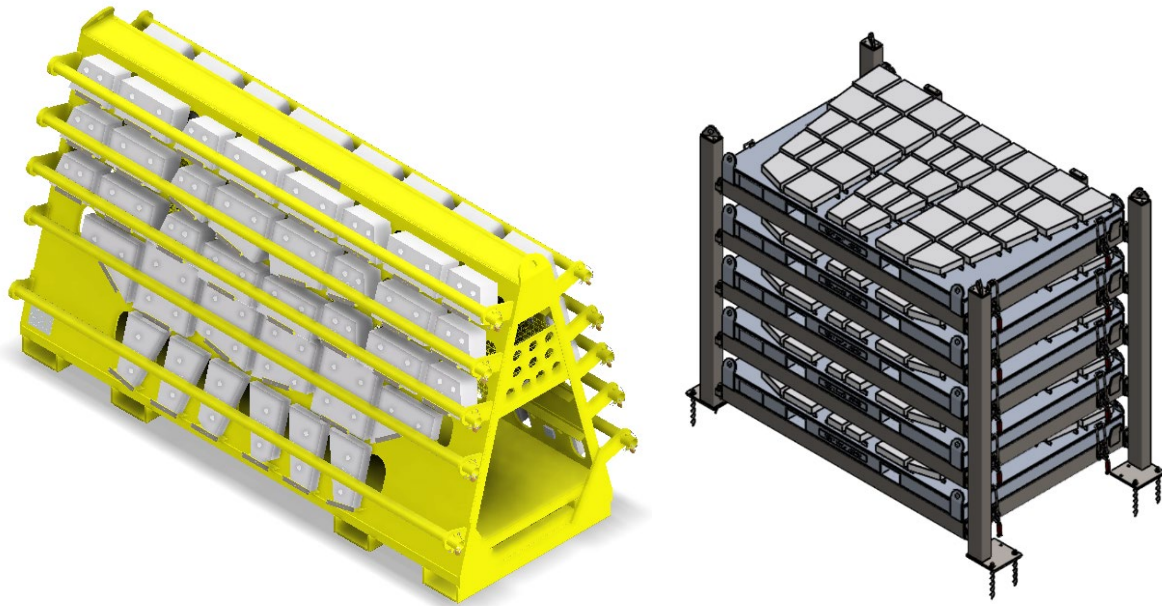
All our Techmine Shadow Boards are load tested and made from corrosive resistive light-weight alloy to use in conveyor belt maintenance. Shadow Boards are used to carry and transport wear liners of the conveyor chutes. New wear liners can be transported to the chute and install according to the orderly pattern while used wear liners (waste material) can be packed on to the mesh according to the rated loading limit and transport to the disposing location.



### Key features

- Enhanced organization: The chute liner shadow board provides a designated place to store chute liners, making it easier for workers to find them when needed.
- Improved safety: By having a designated storage area for chute liners, workers are less likely to trip over or bump into them, reducing the risk of workplace accidents.
- Reduced loss and damage: When chute liners are stored haphazardly, they can become damaged or lost, leading to additional expenses.
- Cost savings: By reducing the need to replace lost or damaged chute liners, the chute liner shadow board can help companies save money in the long run.
- Improved efficiency: With a shadow board, workers can quickly and easily locate the chute liners they need, reducing the time it takes to complete tasks and increasing overall efficiency.
- Safety locking bars for transport to allow liners to be secured when lifted by crane / forklift.
- Magnets are used behind each liner to allow safe and secure hold on the liners. The magnets also allow us to remove the liners without using the nuts to bolt to the frame resulting in prolonged execution of works.
- IRCP with engineering to ensure compliant with Australian standards and requirements.
- Toolbox bolted to frame underneath for nuts, washers, and other tooling / parts.
- Liner part name plates on each shelf to allow for easy identification.
- A-Frame design to allow for compressed but efficient use on both sides.

## Specifications



| Part Number  | Material  | Length (mm) | Width (mm) | Height (mm) | Weight (Kg) | Capacity (T) |
|--------------|-----------|-------------|------------|-------------|-------------|--------------|
| TM-GA51500   | Aluminium | 2484        | 861        | 1475        | 400         | 1.5          |
| TM-GA100004  | Aluminium | 1624        | 936        | 1523        | 223         | 0.8          |
| TM-GA50001   | Aluminium | 2224        | 936        | 1613        | 337         | 1.2          |
| TM-GA51001-L | Aluminium | 3272        | 1812       | 2543        | 2190        | 3.0          |

Customizable Options: Choose from a variety of surface materials, sizes, and accessories to personalize your shadow board to your specific needs.

## BATTERY OPERATED WORK BENCH



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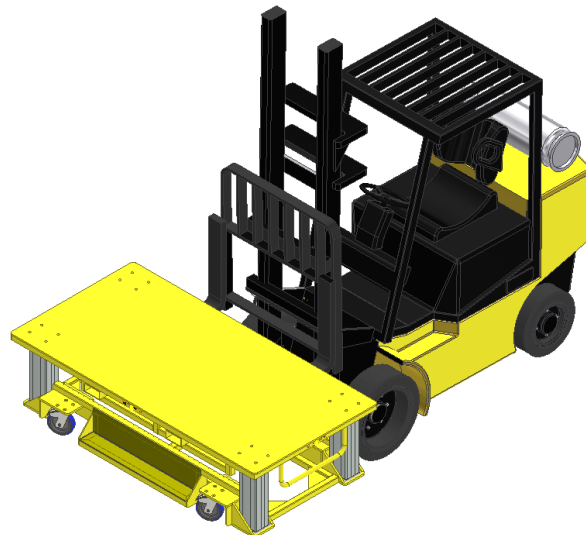
15 Christable Way, Lansdale, WA 6065

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## Battery Operated Work Bench

Introducing the versatile and adaptable Techmine height-adjustable workbench, designed to streamline your workflow and maximize workspace efficiency. This innovative workbench boasts a unique combination of features that cater to diverse needs and preferences, making it the perfect addition to any workshop, garage, or studio.



## Key features

### Effortless Height Adjustment:

Electric Actuators: Four strategically positioned electric actuators effortlessly raise and lower the workbench to your desired height, ranging from 650mm to 1300mm.

Control Panel: A user-friendly control panel allows for precise and effortless height adjustments with the touch of a button.

### Enhanced Mobility:

Heavy-Duty Casters: Lockable heavy-duty casters provide effortless mobility when needed, while ensuring stability during stationary work.

Manoeuvrability: Navigate tight spaces and rearrange your workspace with ease thanks to the smooth-rolling casters.

### Integrated Functionality:

Forklift Pockets: Built-in forklift pockets enable convenient transportation of the workbench for large-scale projects or relocation.

Storage Compartments: Utilize the integrated storage compartments to keep tools, materials, and accessories organized and readily accessible.

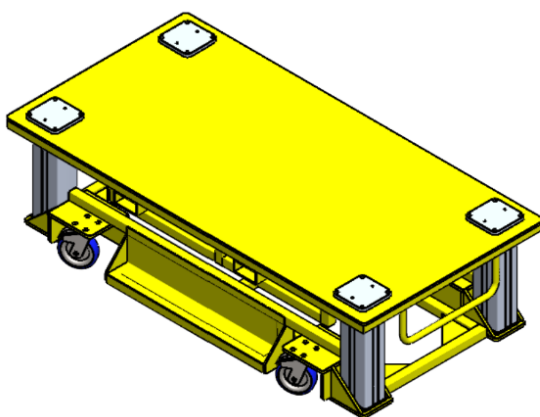
### Additional Features:

Sturdy Construction: The workbench is built with high-quality materials for exceptional durability and weight capacity.

Spacious Work Surface: The expansive work surface provides ample room for tools, materials, and projects of all sizes.

Customizable Options: Choose from a variety of surface materials, sizes, and accessories to personalize your workbench to your specific needs.

## Specifications



| Part Number | Material  | Length (mm) | Width (mm) | Height (mm) | Weight (Kg) | Capacity (T) |
|-------------|-----------|-------------|------------|-------------|-------------|--------------|
| TM-GA51000  | Aluminium | 1800        | 1800       | 650         | 312         | 1.0          |
| TM-GA51100  | Aluminium | 2000        | 600        | 650         | 116         | 1.0          |
| TM-GA51200  | Aluminium | 2000        | 1000       | 650         | 193         | 1.0          |
| TM-GA51300  | Aluminium | 2400        | 1200       | 650         | 277         | 1.0          |
| TM-GA51400  | Aluminium | 3000        | 2200       | 650         | 636         | 1.0          |

# 5S TOOL PACKAGING SYSTEM



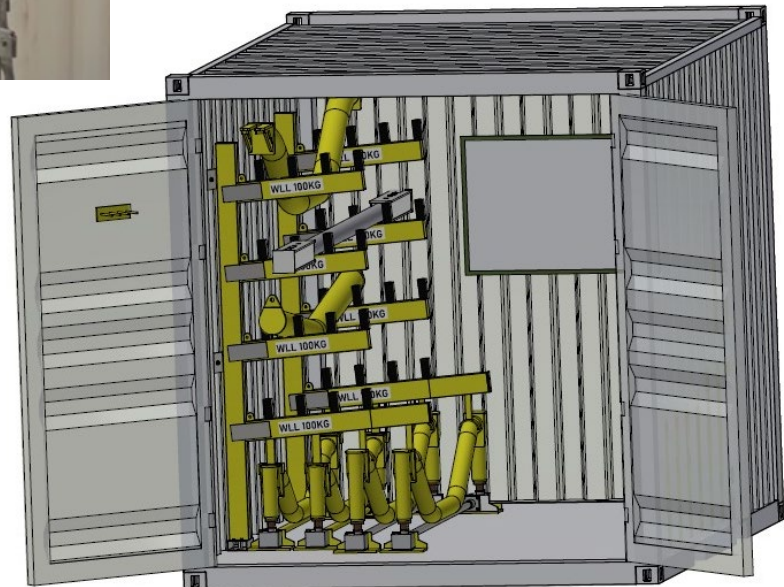
**TECHMINE**  
SOLUTIONS

15 Christable Way, Lansdale, WA 6065

✉ [info@techmine.com.au](mailto:info@techmine.com.au)

☎ +61 8 9303 9564

## 5S tool packaging system



### Key features

- Improved efficiency: Easily carry all the required tools to the site.
- Reduced loss and damage: Retainer for each tool to keep them in place to reduce damages when transporting.
- No missing equipment due to the 5S optimised positioning and labelling system.
- All the tools can be customised according to the customer requirements.
- Container space can be utilised according to the customer requirements.

# TECHMINE'S OTHER ENGINEERED SOLUTIONS



**TECHMINE**  
SOLUTIONS

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## Other engineered solutions

### Techmine lightweight trolleys

Techmine Solutions offers a diverse range of lightweight trolleys that can be customized to your needs.



Trolley with lifting lugs

### Scraper trolley

Trolley to carry your new scraper for replacement. This can be customized according to your requirements.



## Walkway idler retainer



- Portable lightweight, handrail mounted idler retainer.
- Quick release locking mechanism.
- Dramatically increases the walkway task area.
- Eliminates loose idlers and trip hazards.

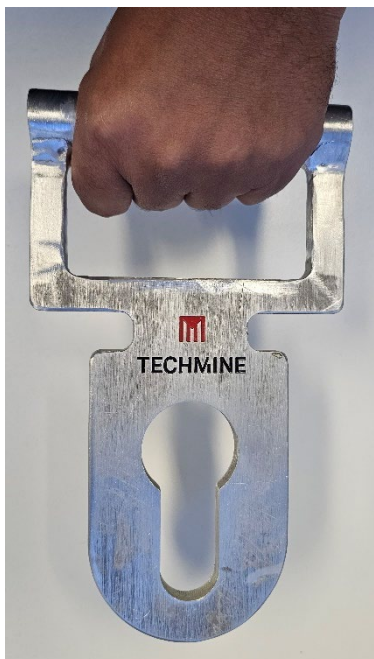
## Walkway idler retainer questionnaire

**TECHMINE SOLUTIONS**  
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Melbourne, Victoria 3001 Australia  
Phone +61 (0)3 9594 1000  
Fax +61 (0)3 9594 1001  
Email info@techmine.com.au

**NOTE:** If you have a different hand-rail configuration, please provide us with the corresponding drawings.

| DIMENSIONS |  |
|------------|--|
| A          |  |
| B          |  |
| C          |  |
| D          |  |
| E          |  |
| F          |  |
| G          |  |
| H          |  |
| I          |  |
| J          |  |
| K          |  |
| L          |  |

## Idler transfer tool



- Removes the need for hands to be placed under idlers during transport.
- Eliminates process pinch points.
- Very effective at unloading packed idlers from their transport crates.
- Can be customized according to different shaft sizes.



A



F



DETAIL A  
SCALE 2:1

PLEASE PROVIDE IDLER CROSS-SECTIONAL DRAWINGS OR ALTERNATIVELY COMPLETE THE DIMENSIONAL REQUEST TABLE BELOW

| ITEM | DIMENSIONS (MM) |
|------|-----------------|
| A    |                 |
| B    |                 |
| C    |                 |
| D    |                 |
| E    |                 |
| F    |                 |

| CONTACT INFORMATION |             |
|---------------------|-------------|
| FIELD NAME          | INFORMATION |
| COMPANY             |             |
| CONTACT             |             |

## Guard retainer clip

Our smart design will remove the risk of a guard being removed accidentally and allow the guard that is in place to conform to Western Australia's code of practice.



## Notes