

# Technical Data Sheet



## UNDERBODY HYDRAULIC HOISTS

### Underbody Hydraulic Hoist Cylinders

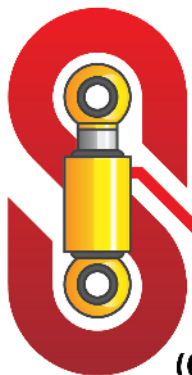
The UBB and UBE series hoist is manufactured from the highest quality hot rolled seamless tube, machined to exacting tolerances. They are designed for the most demanding applications for tipper bodies on both trucks and trailers.

#### **Suits:**

Ideal for rear, side or 3 way tipping applications. These hoists can be used for payloads up to 28 tonnes.

### Product Features

- **Compact Size**  
Easily installed under tipper body.
- **All Stages are Chrome Plated**  
Increases working life.
- **Quality Delrin Bearings**  
To ensure long life and trouble free operation.
- **Quality Polyurethane Seals**  
Resist distortion to provide a long life.
- **Upper and Lower Stops Machined On the Tubes**  
To provide reliable service.



**STATEWIDE  
HYDRAULICS**  
**FLUID POWER ENGINEERS**

(03) 94602377 [www.statewidehydraulics.com.au](http://www.statewidehydraulics.com.au)

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Always allow 20mm extension of the top stage when the body is in the fully lowered position to prevent the body riding on the hoist.

**Note:** Maximum working pressure is 160 Bar (2300psi).  
Always fit a return filter to the hydraulics system

## HOIST DESIGNATION CODES

### Underbody

UBB 127-6-1020

### Identifier

UBB = Top Mount

UBE = Bottom Mount

### Outer Barrel Size

95mm

114mm

127mm

152mm

193mm

### Stages

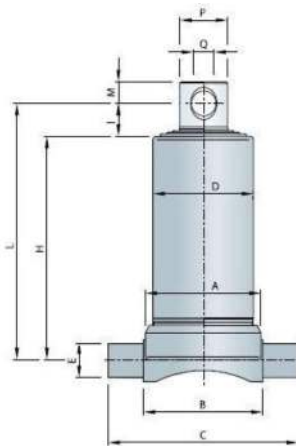
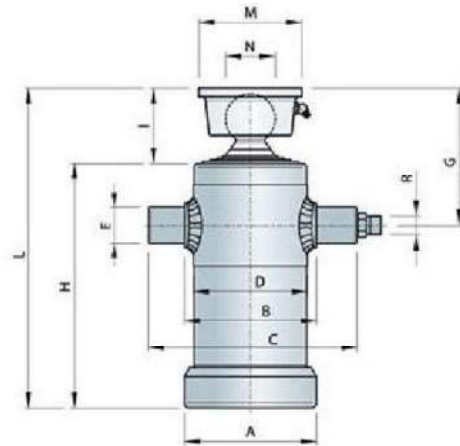
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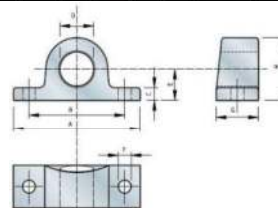
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### Stroke, mm



| Designation   | Stroke | Stage Diameter, mm |    |    |    |    |    |     |     |     |     | Dimensions, mm |     |     |     |    |     |     |     |     |     |    |      | Ideal<br>Pivot<br>Centres | Tipping Capacity,<br>Tonnes at 48° |         |         | Weight | Swept<br>Volume |
|---------------|--------|--------------------|----|----|----|----|----|-----|-----|-----|-----|----------------|-----|-----|-----|----|-----|-----|-----|-----|-----|----|------|---------------------------|------------------------------------|---------|---------|--------|-----------------|
|               |        | 32                 | 46 | 61 | 72 | 76 | 91 | 107 | 127 | 146 | 166 | A              | B   | C   | D   | E  | G   | H   | I   | L   | M   | N  | R    |                           | 100 Bar                            | 140 Bar | 160 Bar |        |                 |
| UBB95-3-500   | 500    |                    | X  | X  |    | X  |    |     |     |     |     | 110            | 115 | 200 | 95  | 35 | 142 | 245 | 69  | 314 | 100 | 45 | 1/2" | 565                       | 3.0                                | 4.2     | 4.8     | 14     | 2.0             |
| UBB114-4-850  | 850    |                    | X  | X  |    | X  | X  |     |     |     |     | 130            | 135 | 220 | 114 | 35 | 142 | 289 | 71  | 360 | 100 | 45 | 1/2" | 980                       | 5.0                                | 7.0     | 8.0     | 22     | 4.2             |
| UBB127-4-1500 | 1500   |                    |    | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 153 | 454 | 84  | 538 | 115 | 55 | 1/2" | 1745                      | 8.0                                | 11.2    | 12.8    | 40     | 10.3            |
| UBB127-4-1700 | 1700   |                    |    | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 153 | 504 | 84  | 588 | 115 | 55 | 1/2" | 1980                      | 8.0                                | 11.2    | 12.8    | 44     | 11.6            |
| UBB127-4-2000 | 2000   |                    |    | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 153 | 578 | 84  | 662 | 115 | 55 | 1/2" | 2335                      | 8.0                                | 11.2    | 12.8    | 53     | 13.5            |
| UBB127-5-1050 | 1050   |                    | X  | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 142 | 288 | 73  | 361 | 100 | 45 | 1/2" | 1215                      | 5.0                                | 7.0     | 8.0     | 26     | 6.5             |
| UBB127-5-1250 | 1250   |                    | X  | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 142 | 328 | 73  | 401 | 100 | 45 | 1/2" | 1450                      | 5.0                                | 7.0     | 8.0     | 29     | 7.6             |
| UBB127-5-1500 | 1500   |                    | X  | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 142 | 378 | 73  | 451 | 100 | 45 | 1/2" | 1745                      | 5.0                                | 7.0     | 8.0     | 33     | 9.0             |
| UBB127-5-1850 | 1850   |                    | X  | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 142 | 448 | 73  | 521 | 100 | 45 | 1/2" | 2160                      | 5.0                                | 7.0     | 8.0     | 38     | 11.0            |
| UBB127-5-2150 | 2150   |                    | X  | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 142 | 508 | 73  | 581 | 100 | 45 | 1/2" | 2510                      | 5.0                                | 7.0     | 8.0     | 41     | 12.6            |
| UBB127-5-2500 | 2500   |                    | X  | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 142 | 578 | 73  | 651 | 100 | 45 | 1/2" | 2925                      | 5.0                                | 7.0     | 8.0     | 45     | 14.6            |
| UBB127-6-850  | 850    | X                  | X  | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 142 | 218 | 73  | 291 | 100 | 45 | 1/2" | 980                       | 5.0                                | 7.0     | 8.0     | 21     | 4.9             |
| UBB127-6-1020 | 1020   | X                  | X  | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 232 | 127 | 40 | 142 | 247 | 73  | 320 | 100 | 45 | 1/2" | 1180                      | 5.0                                | 7.0     | 8.0     | 23     | 5.6             |
| UBB152-5-2150 | 2150   |                    |    | X  |    | X  | X  | X   | X   |     |     | 170            | 175 | 262 | 152 | 45 | 155 | 521 | 86  | 607 | 115 | 55 | 1/2" | 2510                      | 9.0                                | 12.6    | 14.4    | 61     | 18.3            |
| UBB152-5-2500 | 2500   |                    |    | X  |    | X  | X  | X   | X   |     |     | 170            | 175 | 262 | 152 | 45 | 155 | 591 | 86  | 677 | 115 | 55 | 1/2" | 2925                      | 9.0                                | 12.6    | 14.4    | 70     | 21.0            |
| UBB152-6-1500 | 1500   |                    | X  | X  |    | X  | X  | X   | X   |     |     | 170            | 175 | 262 | 152 | 45 | 144 | 343 | 75  | 418 | 100 | 45 | 1/2" | 1745                      | 6.0                                | 8.4     | 9.6     | 38     | 11.9            |
| UBB152-6-1800 | 1800   |                    | X  | X  |    | X  | X  | X   | X   |     |     | 170            | 175 | 262 | 152 | 45 | 144 | 393 | 75  | 468 | 100 | 45 | 1/2" | 2100                      | 6.0                                | 8.4     | 9.6     | 43     | 13.9            |
| UBB152-6-3000 | 3000   |                    | X  | X  |    | X  | X  | X   | X   |     |     | 170            | 175 | 262 | 152 | 45 | 144 | 593 | 75  | 668 | 100 | 45 | 1/2" | 3515                      | 6.0                                | 8.4     | 9.6     | 62     | 22.2            |
| UBB193-6-1800 | 1800   |                    |    |    | X  |    | X  | X   | X   | X   |     | 220            | 230 | 320 | 193 | 50 | 248 | 406 | 97  | 503 | 107 | 65 | 3/4" | 2100                      | 18.0                               | 25.2    | 28.8    | 84     | 25.5            |
| UBB193-6-2220 | 2220   |                    |    |    | X  |    | X  | X   | X   | X   |     | 220            | 230 | 320 | 193 | 50 | 248 | 476 | 97  | 573 | 107 | 65 | 3/4" | 2595                      | 18.0                               | 25.2    | 28.8    | 96     | 30.9            |
| UBB193-6-3000 | 3000   |                    |    |    | X  |    | X  | X   | X   | X   |     | 220            | 230 | 320 | 193 | 50 | 248 | 606 | 97  | 703 | 107 | 65 | 3/4" | 3515                      | 18.0                               | 25.2    | 28.8    | 118    | 40.8            |
|               |        | 32                 | 46 | 61 | 72 | 76 | 91 | 107 | 127 | 146 | 166 | A              | B   | C   | D   | E  | H   | I   | L   | M   | P   | Q  | R    |                           |                                    |         |         |        |                 |
| UBE127-4-1200 | 1200   |                    |    | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 230 | 126 | 45 | 380 | 33  | 421 | 27  | 60  | 31 | 1/2" | 1390                      | 8.0                                | 11.2    | 12.8    | 34     | 8.4             |
| UBE127-4-1500 | 1500   |                    |    | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 230 | 126 | 45 | 456 | 33  | 497 | 27  | 60  | 31 | 1/2" | 1745                      | 8.0                                | 11.2    | 12.8    | 39     | 10.3            |
| UBE127-4-1700 | 1700   |                    |    | X  |    | X  | X  | X   |     |     |     | 145            | 150 | 230 | 126 | 45 | 506 | 33  | 547 | 27  | 60  | 31 | 1/2" | 1980                      | 8.0                                | 11.2    | 12.8    | 43     | 11.6            |

| Feet        | Dimensions, mm |     |    |    |    |    |    |    | Weight kg |
|-------------|----------------|-----|----|----|----|----|----|----|-----------|
| Designation | A              | B   | C  | D  | E  | F  | G  | H  |           |
| UBFM-35     | 130            | 95  | 12 | 36 | 30 | 13 | 40 | 56 | 0.9       |
| UBFM-40     | 140            | 108 | 15 | 41 | 33 | 15 | 45 | 66 | 1.2       |
| UBFM-45     | 140            | 108 | 15 | 46 | 33 | 15 | 45 | 66 | 1.2       |
| UBFM-50     | 150            | 116 | 15 | 51 | 36 | 15 | 45 | 71 | 1.4       |



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