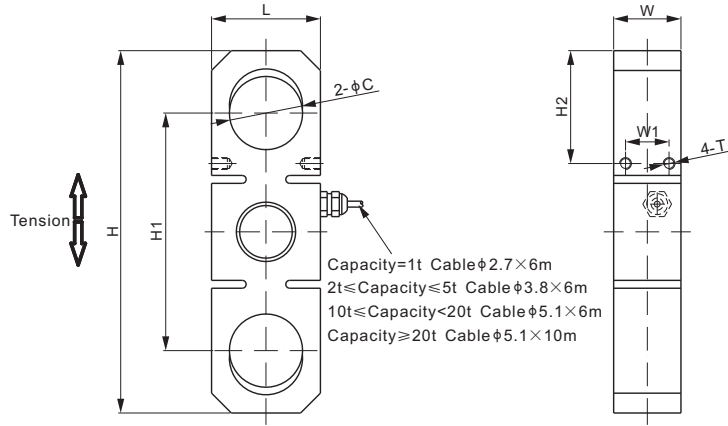


# 110BH



## Alloy Steel; Patent Design



TENSION LINKS



### DIMENSIONS

| RATED CAPACITY | C     | H     | H1    | H2    | L     | W     | W1   | T             | SUGGESTED SHACKLE |
|----------------|-------|-------|-------|-------|-------|-------|------|---------------|-------------------|
| <b>t/mm</b>    |       |       |       |       |       |       |      |               |                   |
| 1              | 15.0  | 74.0  | 49.5  | 20.5  | 20.0  | 12.0  | 7.0  | 4-M3 Depth5   | RBXS-1t or TBX-2t |
| 2              | 20.0  | 109.5 | 75.5  | 30.5  | 28.0  | 15.0  | 8.0  | 4-M3 Depth5   | SBX-3.25t         |
| 5              | 27.0  | 140.0 | 93.0  | 41.0  | 38.0  | 25.0  | 15.0 | 4-M4 Depth5   | SBX-6.5t          |
| 10             | 37.0  | 183.0 | 120.0 | 57.0  | 55.0  | 34.0  | 22.0 | 4-M6 Depth8   | SBX-12t           |
| 20             | 53.0  | 252.0 | 164.0 | 82.0  | 74.0  | 50.0  | 30.0 | 4-M6 Depth8   | SBX-25t           |
| 30             | 60.0  | 307.5 | 202.0 | 93.0  | 86.0  | 60.0  | 40.0 | 4-M8 Depth12  | SBX-35t           |
| 50             | 73.0  | 390.0 | 257.0 | 116.0 | 110.0 | 75.0  | 40.0 | 4-M12 Depth20 | SBX-55t           |
| 75             | 88.0  | 486.0 | 324.0 | 147.0 | 135.0 | 90.0  | 60.0 | 4-M12 Depth20 | SBX-85t           |
| 100            | 102.0 | 580.0 | 389.0 | 172.0 | 160.0 | 100.0 | 60.0 | 4-M12 Depth20 | SBX-120t          |
| 120            | 102.0 | 580.0 | 389.0 | 172.0 | 160.0 | 120.0 | 60.0 | 4-M12 Depth20 | SBX-120t          |

| lb/inches (conversion of above dimensions) | C    | H     | H1    | H2   | L    | W    | W1   | T               | SUGGESTED SHACKLE |
|--|------|-------|-------|------|------|------|------|-----------------|-------------------|
| 2,204.6                                    | 0.59 | 2.91  | 1.95  | 0.81 | 0.79 | 0.47 | 0.28 | 4-M3 Depth0.20  | RBXS-1.5t         |
| 4,409.2                                    | 0.79 | 4.31  | 2.97  | 1.20 | 1.10 | 0.59 | 0.31 | 4-M3 Depth0.20  | SBX-3.25t         |
| 11,023.1                                   | 1.06 | 5.51  | 3.66  | 1.61 | 1.50 | 0.98 | 0.59 | 4-M4 Depth0.20  | SBX-6.5t          |
| 22,046.2                                   | 1.46 | 7.20  | 4.72  | 2.24 | 2.17 | 1.34 | 0.87 | 4-M6 Depth0.31  | SBX-12t           |
| 44,092.5                                   | 2.09 | 9.92  | 6.46  | 3.23 | 2.91 | 1.97 | 1.18 | 4-M6 Depth0.31  | SBX-25t           |
| 66,138.7                                   | 2.36 | 12.11 | 7.95  | 3.66 | 3.39 | 2.36 | 1.57 | 4-M8 Depth0.47  | SBX-35t           |
| 110,231.1                                  | 2.87 | 15.35 | 10.12 | 4.57 | 4.33 | 2.95 | 1.57 | 4-M12 Depth0.79 | SBX-55t           |
| 165,346.7                                  | 3.46 | 19.13 | 12.76 | 5.79 | 5.31 | 3.54 | 2.36 | 4-M12 Depth0.79 | SBX-85t           |
| 220,462.2                                  | 4.02 | 22.83 | 15.31 | 6.77 | 6.30 | 3.94 | 2.36 | 4-M12 Depth0.79 | SBX-120t          |
| 264,554.7                                  | 4.02 | 22.83 | 15.31 | 6.77 | 6.30 | 4.72 | 2.36 | 4-M12 Depth0.79 | SBX-120t          |

| SPECIFICATIONS    |                            |                               |                               |
|-------------------|----------------------------|-------------------------------|-------------------------------|
| Full Scale Output | 3.0 mV/V ± 10%             | Recommended Excitation        | 10V (15V Maximum)             |
| Zero Balance      | ± 0.02 mV/V                | Insulation Resistance         | >2 [ 50V DC ] GΩ              |
| Non-linearity     | < ± 0.017% FS              | Compensated Temperature Range | -10°C to 50°C / 14°F to 122°F |
| Repeatability     | < ± 0.017% FS              | Safe Overload                 | 150% of full scale            |
| Hysteresis Error  | < ± 0.017% FS              | Breaking Overload             | 400% of full scale            |
| Creep in 30 min.  | < ± 0.023% FS              | Seal Type / IP Rating         | Environmentally Sealed / IP67 |
| Input Resistance  | 400 Ω ± 20                 | Cable Color Code              | Exc+ Red    Exc- Black        |
| Output Resistance | 350 Ω ± 3                  |                               | Sig+ Green    Sig- White      |
| Element Material  | Alloy Steel, Nickel Plated |                               | Shield Bare                   |

| PART NUMBER*   |            |                     |
|----------------|------------|---------------------|
| Rated Capacity | Part No.   | Weight (kg) Approx. |
| 1t             | 110BH-1t   | 0.2                 |
| 2t             | 110BH-2t   | 0.4                 |
| 5t             | 110BH-5t   | 0.8                 |
| 10t            | 110BH-10t  | 2.4                 |
| 20t            | 110BH-20t  | 5.4                 |
| 30t            | 110BH-30t  | 9.3                 |
| 50t            | 110BH-50t  | 22.0                |
| 75t            | 110BH-75t  | 35.4                |
| 100t           | 110BH-100t | 54.8                |
| 120t           | 110BH-120t | 61.0                |

| WEIGH MODULE |      |
|--------------|------|
| Model        | Page |
| 110BHM3      | 150  |

1t-2t: NTEP 1:3 000 Class III, Single Cell;  
 NTEP 1:5 000 Class III, Multiple Cell;  
 5t-50t: NTEP 1:3 000, up to 1:6 000 Class III, Single Cell and Multiple Cell  
 1t-10t: OIML MAA C3, Y=15 000  
 10t-50t: OIML MAA C3, up to C6, Y=13 500

\* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.