

Bullivants

RIGCHECK CARD



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1300 LIFTING

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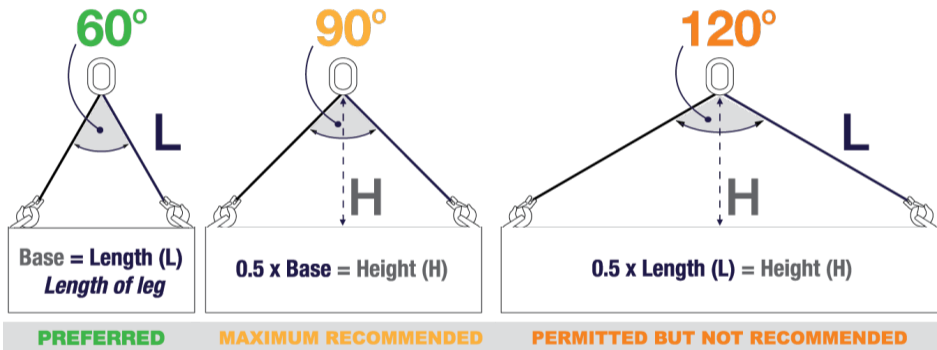
Item Code: 44203002
BV-QMS-TD-03A

All information provided is correct at the time of printing and is subject to change without notice.

STEPS TO PERFORMING A SAFE LIFT

1. Know the **WEIGHT** of the load, if not, ask your supervisor
2. Know the **APPLICATION** requirements
(single or multi leg, basket or choke hitch)
3. Ensure the **CORRECT** gear is selected for the lift
4. **INSPECT** all gear before use
5. **FLOAT** the load and check for **BALANCE**
6. **LIFT** the load slowly and controlled
7. Establish a **LANDING PAD** with packers to prevent crush of the lifting gear
8. Always **RE-INSPECT** the gear
9. **STORE** gear off the ground in a clean dry area

LIFTING LIMITATIONS – HOW TO CALCULATE A SAFE ANGLE FOR LIFTING



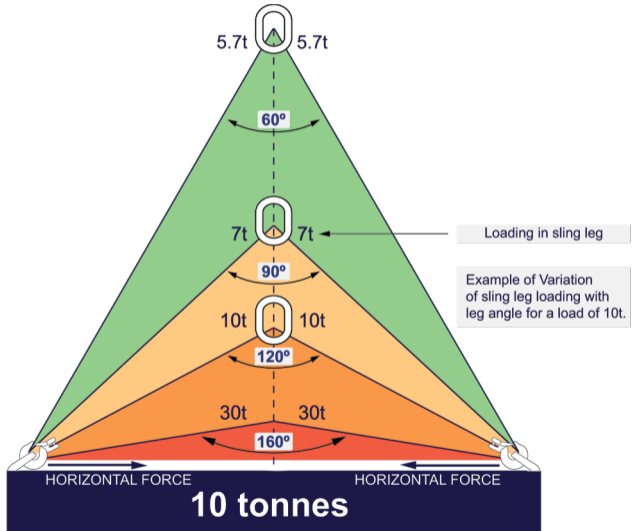
Maximum limit under Australian Standards

WHY DO ANGLES AFFECT LOADS?

All multi-leg slings exert a horizontal component of force, which increases as the included angle becomes greater.

No sling should be used if the included angle exceeds 120° , as beyond this point the forces in the legs drastically increase, as indicated in the diagram.

NOTE: Do not use multi-leg slings at angles of greater than 120°



STAINLESS STEEL CHAIN SLINGS – SINGLE & MULTI-LEG ASSEMBLIES – EN10204 3.1

GRADE 60*

| CHAIN SIZE MM | STRAIGHT SLING OR ADJUSTABLE SLING WITH NO DERATION | REEVED SLING | BASKET SLING MAX 60° | STRAIGHT SLING (NOTE 2) | | | REEVED SLING (NOTES 2 & 3) | ENDLESS CHAIN SLING |
|---|---|---|---|---|---|---|---|---|
| | | | | 60° | 90° | 120° | Max Angle 60° | Max Angle 60° |
|  |  |  |  |  |  |  |  |  |

WORKING LOAD LIMITS (TONNES)

| | | | | | | | | | |
|------------|---------------|------|------|------|-------|------|------|------|------|
| GRADE 60* | Load Factor > | 1.0 | 0.75 | 1.3 | 1.73 | 1.41 | 1.0 | 1.3 | 1.5 |
| | WOX 4-6 | 0.4 | 0.32 | 0.52 | 0.69 | 0.56 | 0.4 | 0.52 | 0.6 |
| | WOX 5-6 | 0.63 | 0.5 | 0.81 | 1.09 | 0.85 | 0.63 | 0.81 | 0.94 |
| | WOX 6-6 | 0.9 | 0.72 | 1.17 | 1.55 | 1.25 | 0.9 | 1.17 | 1.35 |
| | WOX 7-6 | 1.25 | 1.0 | 1.62 | 2.16 | 1.75 | 1.25 | 1.62 | 1.87 |
| | WOX 8-6 | 1.6 | 1.28 | 2.08 | 2.76 | 2.2 | 1.6 | 2.08 | 2.4 |
| | WOX 10-6 | 2.5 | 2.0 | 3.25 | 4.32 | 3.5 | 2.5 | 3.25 | 3.75 |
| | WOX 13-6 | 4.25 | 3.4 | 5.52 | 7.35 | 5.95 | 4.25 | 5.52 | 6.37 |
| | WOX 16-6 | 6.3 | 5.04 | 8.19 | 10.9 | 8.8 | 6.3 | 8.19 | 9.45 |
| | WOX 20-5 | 8.0 | 6.4 | 10.4 | 13.84 | 11.2 | 8.0 | 10.4 | 12.0 |
| WOX 26-4 + | 12.0 | 9.6 | - | - | - | - | - | 18.0 | |

Notes:




- Some shortening devices, such as grab hooks may derate the WLL. Advice regarding the appropriate deration should be sought from the manufacturer.
- The determination of the angle of the multi-leg sling is the largest included angle at the apex of the configuration.
- Reeved slings and basket slings, in a two leg configuration have a maximum angle for use of 60°.

| | | |
|---------------------------|----------------------|--|
| Temperature °C = deration | -40° to +350° = none | 350° to 700° = only permitted in certain conditions, please contact our technical team for advice. |
|---------------------------|----------------------|--|

*PEWAG Grade 60 slings are designed, manufactured, and tested in accordance with EN10204 3.1

ALLOY CHAIN SLINGS – SINGLE & MULTI-LEG ASSEMBLIES – AS3775

GRADE T(80)

| CHAIN SIZE MM | STRAIGHT SLING OR ADJUSTABLE SLING WITH NO DERATION | ADJUSTABLE SLING WITH DERATION (NOTE 1) | REEVED SLING | BASKET SLING MAX 60° | STRAIGHT SLING (NOTE 2) | | | REEVED SLING (NOTES 2 & 3) | BASKET SLING (NOTES 2 & 3) |
|--|---|---|---|---|---|---|---|---|---|
| | | | | | 60° | 90° | 120° | | |
|  |  |  |  |  |  |  |  |  |  |

WORKING LOAD LIMITS (TONNES)

| GRADE T(80) | 6 | 1.1 | 0.8 | 0.8 | 1.5 | 1.9 | 1.6 | 1.1 | 1.5 | 2.5 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| | 7 | 1.5 | 1.1 | 1.1 | 2.0 | 2.6 | 2.1 | 1.5 | 2.0 | 3.4 |
| | 8 | 2.0 | 1.5 | 1.5 | 2.6 | 3.5 | 2.8 | 2.0 | 2.6 | 4.5 |
| | 10 | 3.2 | 2.4 | 2.4 | 4.1 | 5.5 | 4.5 | 3.2 | 4.1 | 7.2 |
| | 13 | 5.3 | 4.0 | 4.0 | 6.9 | 9.2 | 7.5 | 5.3 | 6.9 | 11.9 |
| | 16 | 8.0 | 6.0 | 6.0 | 10.4 | 13.8 | 11.3 | 8.0 | 10.4 | 18.0 |
| | 19 | 11.2 | 8.4 | 8.4 | 14.6 | 19.4 | 15.8 | 11.2 | 14.6 | 25.2 |
| | 20 | 12.5 | 9.4 | 9.4 | 16.3 | 21.6 | 17.6 | 12.5 | 16.3 | 28.1 |
| | 22 | 15.0 | 11.3 | 11.3 | 19.5 | 26.0 | 21.2 | 15.0 | 19.5 | 33.8 |
| | 26 | 21.2 | 15.9 | 15.9 | 27.6 | 36.7 | 29.9 | 21.2 | 27.6 | 47.7 |
| 32 | 31.5 | 23.6 | 23.6 | 41.0 | 54.5 | 44.4 | 31.5 | 41.0 | 70.9 | |









Notes:

- Some shortening devices, such as grab hooks may derate the WLL. Advice regarding the appropriate deration should be sought from the manufacturer.
- The determination of the angle of the multi-leg sling is the largest included angle at the apex of the configuration.
- Reeved slings and basket slings, in a two leg configuration have a maximum angle for use of 60°.

| | | | |
|---------------------------|----------------------|---------------------|----------------------|
| Temperature °C = deration | -40° to +200° = none | +200° to 300° = 10% | +300° to +400° = 25% |
|---------------------------|----------------------|---------------------|----------------------|

ALLOY CHAIN SLINGS – SINGLE & MULTI-LEG ASSEMBLIES – AS3775

GRADE V(100)

| CHAIN SIZE MM | STRAIGHT SLING OR ADJUSTABLE SLING WITH NO DERATION | ADJUSTABLE SLING WITH DERATION (NOTE 1) | REEVED SLING | BASKET SLING MAX 60° | STRAIGHT SLING (NOTE 2) | | | REEVED SLING (NOTES 2 & 3) | BASKET SLING (NOTES 2 & 3) |
|--|---|---|---|---|---|-----|------|---|---|
| | | | | | 60° | 90° | 120° | | |
|  |  |  |  |  |  | | |  |  |

WORKING LOAD LIMITS (TONNES)





| GRADE V(100) | 5 | 1.0 | 0.8 | 0.8 | 1.3 | 1.7 | 1.4 | 1.0 | 1.3 | 2.3 |
|--------------|------|------|------|------|------|------|------|------|------|------|
| | 6 | 1.4 | 1.1 | 1.1 | 1.8 | 2.4 | 2.0 | 1.4 | 1.8 | 3.2 |
| | 7 | 1.9 | 1.4 | 1.4 | 2.5 | 3.3 | 2.7 | 1.9 | 2.5 | 4.3 |
| | 8 | 2.5 | 1.9 | 1.9 | 3.3 | 4.3 | 3.5 | 2.5 | 3.3 | 5.6 |
| | 10 | 4.0 | 3.0 | 3.0 | 5.2 | 6.9 | 5.6 | 4.0 | 5.2 | 9.0 |
| | 13 | 6.7 | 5.0 | 5.0 | 8.7 | 11.6 | 9.4 | 6.7 | 8.7 | 15.1 |
| | 16 | 10.0 | 7.5 | 7.5 | 13.0 | 17.3 | 14.1 | 10.0 | 13.0 | 22.5 |
| | 18 | 12.5 | 9.4 | 9.4 | 16.3 | 21.6 | 17.6 | 12.5 | 16.3 | 28.1 |
| | 19 | 14.0 | 10.5 | 10.5 | 18.2 | 24.2 | 19.7 | 14.0 | 18.2 | 31.5 |
| | 20 | 16.0 | 12.0 | 12.0 | 20.8 | 27.7 | 22.6 | 16.0 | 20.8 | 36.0 |
| | 22 | 19.0 | 14.3 | 14.3 | 24.7 | 32.9 | 26.8 | 19.0 | 24.7 | 42.8 |
| | 23 | 21.0 | 15.8 | 15.8 | 27.3 | 36.3 | 29.6 | 21.0 | 27.3 | 47.3 |
| | 26 | 26.5 | 19.9 | 19.9 | 34.5 | 45.8 | 37.4 | 26.5 | 34.5 | 59.6 |
| 28 | 31.5 | 23.6 | 23.6 | 41.0 | 54.5 | 44.4 | 31.5 | 41.0 | 70.9 | |
| 32 | 40.0 | 30.0 | 30.0 | 52.0 | 69.2 | 56.4 | 40.0 | 52.0 | 90.0 | |

Notes:

1. Some shortening devices, such as grab hooks may derate the WLL. Advice regarding the appropriate deration should be sought from the manufacturer.
2. The determination of the angle of the multi-leg sling is the largest included angle at the apex of the configuration.
3. Reeved slings and basket slings, in a two leg configuration have a maximum angle for use of 60°.

Bullivants Grade 100 alloy chain cannot be used in applications or environments exceeding a temperature of 200°C.

GRADE 120* CHAIN SLINGS – SINGLE & MULTI-LEG ASSEMBLIES - AS3775

| GRADE 120 | | | | | | | | |
|---|---|---|---|--|-----|------|---|---|
| CHAIN SIZE MM | STRAIGHT SLING OR ADJUSTABLE SLING WITH NO DERATION | REEVED SLING | BASKET SLING MAX 60° | STRAIGHT SLING (NOTE 2) | | | REEVED SLING (NOTES 2 & 3) | BASKET SLING (NOTES 2 & 3) |
| | | | | 60° | 90° | 120° | Max Angle 60° | Max Angle 60° |
|  |  |  |  |  | | |  |  |

WORKING LOAD LIMITS (TONNES)

| GRADE 120 | Load Factor > | 1.0 | 0.75 | 1.3 | 1.73 | 1.41 | 1.0 | 1.3 | 2.25 |
|-----------|---------------|------|------|------|------|------|------|------|------|
| | 4 | 0.8 | 0.6 | 1.0 | 1.4 | 1.1 | 0.8 | 1.0 | 1.8 |
| | 6 | 1.8 | 1.4 | 2.3 | 3.1 | 2.5 | 1.8 | 2.3 | 4.1 |
| | 8 | 3.0 | 2.3 | 3.9 | 5.2 | 4.2 | 3.0 | 3.9 | 6.8 |
| | 10 | 5.0 | 3.8 | 6.5 | 8.7 | 7.1 | 5.0 | 6.5 | 11.3 |
| | 13 | 8.0 | 6.0 | 10.4 | 13.8 | 11.3 | 8.0 | 10.4 | 18.0 |
| | 16 | 12.5 | 9.4 | 16.3 | 21.6 | 17.6 | 12.5 | 16.3 | 28.1 |

Notes:











1. Some shortening devices, such as grab hooks may derate the WLL. Advice regarding the appropriate deration should be sought from the manufacturer.
2. The determination of the angle of the multi-leg sling is the largest included angle at the apex of the configuration.
3. Reeved slings and basket slings, in a two leg configuration have a maximum angle for use of 60°.

| | | | |
|---------------------------|----------------------|----------------------|----------------------|
| Temperature °C = deration | -40° to +200° = none | +200° to +300° = 90% | +300° to +380° = 60% |
|---------------------------|----------------------|----------------------|----------------------|

*RUD ICE120 Slings are designed, manufactured and tested in accordance with general requirements of DIN EN 818, DIN EN 1677, AS3775.1, AS2321 & AS3776.

HMPE AmSteel®-Blue SLINGS IN ACCORDANCE WITH AS18264/FRS0412

Supplied with Thimble ends or soft loops (with or without protective sleeves)

| AmSteel®-Blue | | | | | | | | | | | | | | | |
|------------------------------|----------|---|---|---|---|---|---|--|---|---|---|--------|--------|----------|--|
| METHOD OF LOADING SLING | | DIRECT LOADED | | | CHOKE HITCH | | BASKET HITCH | | | | DIRECT LOADED | | | GROMMETS | |
| | | Single | | Single Round Loaded | Single Square Loaded | Single Round Loaded | | | | Multileg | | | Single | *Double | |
| | | | | | | 0° | 60° | 90° | 120° | 0° to 60° | 90° | 120° | | | |
| Included Angle | | | | | | | | | | | | | | | |
| Nom. Dia. (mm) | MBF (kN) |  |  |  |  |  |  |  |  |  |  | | | | |
| WORKING LOAD LIMITS (TONNES) | | | | | | | | | | | | | | | |
| 12 | 136.0 | 2.77 | 2.08 | 1.39 | 5.55 | 4.80 | 3.91 | 2.77 | 4.80 | 3.91 | 2.77 | 4.43 | 7.76 | | |
| 16 | 211.8 | 4.32 | 3.24 | 2.16 | 8.64 | 7.47 | 6.09 | 4.32 | 7.47 | 6.09 | 4.32 | 6.91 | 11.95 | | |
| 18 | 258.0 | 5.26 | 3.94 | 2.63 | 10.52 | 9.10 | 7.42 | 5.26 | 9.10 | 7.42 | 5.26 | 8.41 | 14.54 | | |
| 22 | 364.0 | 7.42 | 5.57 | 3.71 | 14.84 | 12.84 | 10.46 | 7.42 | 12.84 | 10.46 | 7.42 | 11.87 | 20.53 | | |
| 24 | 436.5 | 8.90 | 6.67 | 4.45 | 17.80 | 15.40 | 12.55 | 8.90 | 15.40 | 12.55 | 8.90 | 14.24 | 24.63 | | |
| 28 | 592.5 | 12.08 | 9.06 | 6.04 | 24.16 | 20.90 | 17.03 | 12.08 | 20.90 | 17.03 | 12.08 | 19.32 | 33.42 | | |
| 30 | 661.1 | 13.48 | 10.11 | 6.74 | 26.96 | 23.32 | 19.01 | 13.48 | 23.32 | 19.01 | 13.48 | 21.56 | 37.30 | | |
| 32 | 736.7 | 15.02 | 11.27 | 7.51 | 30.04 | 25.98 | 21.18 | 15.02 | 25.98 | 21.18 | 15.02 | 24.00 | 41.52 | | |
| 36 | 913.3 | 18.62 | 13.97 | 9.31 | 37.24 | 32.21 | 26.25 | 18.62 | 32.21 | 26.25 | 18.62 | 29.80 | 51.55 | | |
| 42 | 1343.9 | 27.40 | 20.55 | 13.70 | 54.80 | 47.40 | 38.63 | 27.40 | 47.40 | 38.63 | 27.40 | 43.84 | 75.85 | | |
| 56 | 2148.0 | 43.79 | 32.84 | 21.90 | 87.58 | 75.76 | 61.75 | 43.79 | 75.76 | 61.75 | 43.79 | 70.00 | 121.10 | | |
| 64 | 2648.7 | 54.00 | 40.50 | 27.00 | 108.00 | 93.42 | 76.14 | 54.00 | 93.42 | 76.14 | 54.00 | 86.40 | 149.47 | | |
| 80 | 4031.9 | 82.20 | 61.65 | 41.10 | 164.40 | 142.21 | 115.90 | 82.20 | 142.21 | 115.90 | 82.20 | 131.52 | 227.52 | | |
| 88 | 5846.7 | 119.20 | 89.40 | 59.60 | 238.40 | 206.21 | 168.07 | 119.20 | 206.21 | 168.07 | 119.20 | 190.72 | 329.94 | | |













NOTE: Interfacing components shall not be less than 1.5 times the rope diameter otherwise a 25% deration applies to the WLL as stated within this chart.
Bending Ratios for grommets shall not be less than 4 times the rope diameter.

*Double Grommets used with a Ramshorn Hook only.

WIRE ROPE SLINGS – SINGLE, TWO, THREE & FOUR LEG WITH FERRULE

Secured eyes, using galvanised or black wire rope in accordance with AS1666.1

1570 GRADE FIBRE CORE

| METHOD OF LOADING SLING | | DIRECT LOADED | CHOKE HITCH | | BASKET HITCH | | | | DIRECT LOADED | | | CHOKE HITCH ROUND LOAD | |
|-------------------------|----------|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Round Loaded | Rectangle Loaded | Round Load | | | | 0° to 60° | 90° | 120° | Single Wrap | Double Wrap |
| Included Angle | | - | - | - | 0° | 60° | 90° | 120° | 0° to 60° | 90° | 120° | 0° to 45° | 0° to 60° |
| Nom. Dia. (mm) | MBF (kN) |  |  |  |  |  |  |  |  |  |  |  |  |

WORKING LOAD LIMITS (TONNES)

1570 GRADE FIBRE CORE

| | | | | | | | | | | | | |
|----|------|------|------|------|-------|-------|-------|------|-------|-------|------|-------|
| 8 | 28.2 | 0.55 | 0.41 | 0.27 | 1.11 | 0.96 | 0.78 | 0.55 | 0.96 | 0.78 | 0.55 | 0.72 |
| 9 | 35.6 | 0.70 | 0.52 | 0.35 | 1.40 | 1.21 | 0.99 | 0.70 | 1.21 | 0.99 | 0.70 | 0.91 |
| 10 | 44.0 | 0.86 | 0.65 | 0.43 | 1.73 | 1.50 | 1.22 | 0.86 | 1.50 | 1.22 | 0.86 | 1.13 |
| 11 | 53.2 | 1.05 | 0.78 | 0.52 | 2.10 | 1.81 | 1.48 | 1.05 | 1.81 | 1.48 | 1.05 | 1.36 |
| 12 | 63.3 | 1.23 | 0.92 | 0.61 | 2.47 | 2.14 | 1.74 | 1.23 | 2.14 | 1.74 | 1.23 | 1.61 |
| 13 | 74.3 | 1.47 | 1.10 | 0.73 | 2.94 | 2.54 | 2.07 | 1.47 | 2.54 | 2.07 | 1.47 | 1.91 |
| 14 | 86.2 | 1.70 | 1.27 | 0.85 | 3.40 | 2.94 | 2.40 | 1.70 | 2.94 | 2.40 | 1.70 | 2.21 |
| 16 | 113 | 2.22 | 1.67 | 1.11 | 4.45 | 3.85 | 3.14 | 2.22 | 3.85 | 3.14 | 2.22 | 2.89 |
| 18 | 143 | 2.80 | 2.10 | 1.40 | 5.61 | 4.85 | 3.95 | 2.80 | 4.85 | 3.95 | 2.80 | 3.65 |
| 20 | 176 | 3.48 | 2.61 | 1.74 | 6.97 | 6.03 | 4.91 | 3.48 | 6.03 | 4.91 | 3.48 | 4.53 |
| 22 | 213 | 4.20 | 3.15 | 2.10 | 8.40 | 7.27 | 5.92 | 4.20 | 7.27 | 5.92 | 4.20 | 5.46 |
| 24 | 253 | 5.01 | 3.76 | 2.50 | 10.03 | 8.67 | 7.07 | 5.01 | 8.67 | 7.07 | 5.01 | 6.52 |
| 26 | 297 | 5.88 | 4.41 | 2.94 | 11.77 | 10.18 | 8.30 | 5.88 | 10.18 | 8.30 | 5.88 | 7.65 |
| 28 | 345 | 6.81 | 5.11 | 3.40 | 13.63 | 11.79 | 9.61 | 6.81 | 11.79 | 9.61 | 6.81 | 8.86 |
| 32 | 450 | 8.90 | 6.68 | 4.45 | 17.81 | 15.41 | 12.56 | 8.90 | 15.41 | 12.56 | 8.90 | 11.58 |






1770 GRADE WIRE ROPE CORE

| METHOD OF LOADING SLING | | DIRECT LOADED | CHOKE HITCH | | BASKET HITCH | | | | DIRECT LOADED | | | CHOKE HITCH ROUND LOAD | |
|-------------------------|----------|---------------|--------------|------------------|--------------|-----|-----|------|---------------|-----|------|------------------------|-------------|
| | | | Round Loaded | Rectangle Loaded | Round Load | | | | 0° to 60° | 90° | 120° | Single Wrap | Double Wrap |
| Included Angle | | - | - | - | 0° | 60° | 90° | 120° | 0° to 60° | 90° | 120° | 0° to 45° | 0° to 60° |
| Nom. Dia. (mm) | MBF (kN) | | | | | | | | | | | | |

WORKING LOAD LIMITS (TONNES)

| | | | | | | | | | | | | |
|----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8 | 40.2 | 0.78 | 0.58 | 0.39 | 1.56 | 1.35 | 1.10 | 0.78 | 1.35 | 1.10 | 0.78 | 1.01 |
| 9 | 51.1 | 0.99 | 0.74 | 0.49 | 1.98 | 1.71 | 1.40 | 0.99 | 1.71 | 1.40 | 0.99 | 1.29 |
| 10 | 63.1 | 1.22 | 0.92 | 0.61 | 2.40 | 2.10 | 1.72 | 1.22 | 2.10 | 1.72 | 1.22 | 1.59 |
| 11 | 76.3 | 1.48 | 1.11 | 0.74 | 3.00 | 2.60 | 2.10 | 1.48 | 2.60 | 2.10 | 1.48 | 1.92 |
| 12 | 90.8 | 1.76 | 1.32 | 0.88 | 3.50 | 3.00 | 2.50 | 1.76 | 3.00 | 2.50 | 1.76 | 2.30 |
| 13 | 107 | 2.10 | 1.55 | 1.04 | 4.10 | 3.60 | 2.90 | 2.10 | 3.60 | 2.90 | 2.10 | 2.70 |
| 14 | 124 | 2.40 | 1.80 | 1.20 | 4.80 | 4.20 | 3.40 | 2.40 | 4.20 | 3.40 | 2.40 | 3.10 |
| 16 | 161 | 3.10 | 2.30 | 1.56 | 6.20 | 5.40 | 4.40 | 3.10 | 5.40 | 4.40 | 3.10 | 4.10 |
| 18 | 204 | 4.00 | 3.00 | 1.98 | 7.90 | 6.80 | 5.60 | 4.00 | 6.80 | 5.60 | 4.00 | 5.10 |
| 20 | 252 | 4.90 | 3.70 | 2.40 | 9.80 | 8.40 | 6.90 | 4.90 | 8.40 | 6.90 | 4.90 | 6.30 |
| 22 | 305 | 5.90 | 4.40 | 3.00 | 11.80 | 10.20 | 8.30 | 5.90 | 10.20 | 8.30 | 5.90 | 7.70 |
| 24 | 363 | 7.00 | 5.30 | 3.50 | 14.10 | 12.20 | 9.90 | 7.00 | 12.20 | 9.90 | 7.00 | 9.10 |
| 26 | 426 | 8.30 | 6.20 | 4.10 | 16.50 | 14.30 | 11.60 | 8.30 | 14.30 | 11.60 | 8.30 | 10.70 |
| 28 | 494 | 9.60 | 7.20 | 4.80 | 19.10 | 16.60 | 13.50 | 9.60 | 16.60 | 13.50 | 9.60 | 12.40 |
| 32 | 646 | 12.50 | 9.40 | 6.30 | 25.00 | 22.00 | 17.60 | 12.50 | 22.00 | 17.60 | 12.50 | 16.30 |
| 36 | 817 | 15.80 | 11.90 | 7.90 | 32.00 | 27.00 | 22.00 | 15.80 | 27.00 | 22.00 | 15.80 | 21.00 |
| 40 | 1010 | 19.60 | 14.70 | 9.80 | 39.00 | 34.00 | 28.00 | 19.60 | 34.00 | 28.00 | 19.60 | 25.00 |
| 44 | 1220 | 24.00 | 17.70 | 11.80 | 47.00 | 41.00 | 33.00 | 24.00 | 41.00 | 33.00 | 24.00 | 31.00 |
| 48 | 1450 | 28.00 | 21.00 | 14.00 | 56.00 | 49.00 | 40.00 | 28.00 | 49.00 | 40.00 | 28.00 | 37.00 |
| 52 | 1710 | 33.00 | 25.00 | 16.60 | 66.00 | 57.00 | 47.00 | 33.00 | 57.00 | 47.00 | 33.00 | 43.00 |
| 56 | 1980 | 38.00 | 29.00 | 19.20 | 77.00 | 66.00 | 54.00 | 38.00 | 66.00 | 54.00 | 38.00 | 50.00 |
| 60 | 2270 | 44.00 | 33.00 | 22.00 | 88.00 | 76.00 | 62.00 | 44.00 | 76.00 | 62.00 | 44.00 | 57.00 |

SYNTHETIC SLINGS – FLAT WEBBING SLING – AS1353, ROUND SLINGS – AS4497

| MATERIAL COLOUR | MARKED WLL | STRAIGHT LIFT | CHOKED STRAIGHT LIFT | PARALLEL BASKET | BASKET HITCH OR 2, 3 AND 4 LEG SLINGS | | | CHOKE HITCH OR 2, 3 AND 4 LEG SLINGS | |
|------------------------------|------------|---------------|----------------------|-----------------|---|---|--|---|---|
| | | | | | = 60° | = 90° | = 120° | Single Wrap = max 45° | Double Wrap = max 60° |
| | | | | |  | or  |  |  |  |
| WORKING LOAD LIMITS (TONNES) | | | | | | | | | |
| Violet | 1 | 1 | 0.8 | 2 | 1.7 | 1.4 | 1 | 1.38 | |
| Green | 2 | 2 | 1.6 | 4 | 3.4 | 2.8 | 2 | 2.76 | |
| Yellow | 3 | 3 | 2.4 | 6 | 5.1 | 4.2 | 3 | 4.14 | |
| Grey | 4 | 4 | 3.2 | 8 | 6.9 | 5.6 | 4 | 5.52 | |
| Red | 5 | 5 | 4.0 | 10 | 8.6 | 7.0 | 5 | 6.9 | |
| Brown | 6 | 6 | 4.8 | 12 | 10.3 | 8.4 | 6 | 8.28 | |
| Blue | 8 | 8 | 6.4 | 16 | 13.8 | 11.2 | 8 | 11.04 | |
| Orange | 10 | 10 | 8.0 | 20 | 17.3 | 14.1 | 10 | 13.8 | |

WLL's above 10 tonne - contact Bullivants for support or refer to AS4497 or AS1353.

The colour of the working load limit tag shall identify the type of fibre used for round and flat type synthetic slings as follows:

Nylon - Green

Polypropylene - Brown

Polyester - Blue

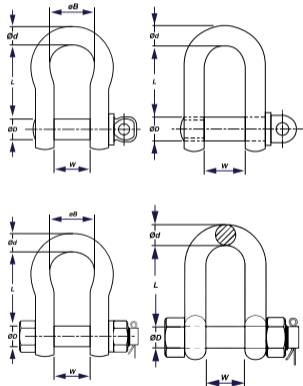
Aramid Polyimide - Yellow

SHACKLES – AS2741







Grade S Alloy Bow & Dee Type Shackles (Screw pin & safety pin available)

| WLL (TONNES) | SIZE d (MM) | D (MM) | W (MM) | B (MM) | BOW TYPE L (MM) | DEE TYPE L (MM) |
|--------------|-------------|--------|--------|--------|-----------------|-----------------|
| 0.33 | 5 | 6 | 10 | 15 | 22 | N/A |
| 0.50 | 6 | 8 | 12 | 20 | 29 | 22 |
| 0.75 | 8 | 10 | 13 | 21 | 31 | 26 |
| 1.0 | 10 | 11 | 18 | 26 | 37 | 32 |
| 1.5 | 11 | 13 | 18 | 29 | 43 | 37 |
| 2.0 | 13 | 16 | 21 | 33 | 48 | 41 |
| 3.2 | 16 | 19 | 27 | 43 | 61 | 51 |
| 4.7 | 19 | 22 | 32 | 51 | 72 | 60 |
| 6.5 | 22 | 25 | 37 | 58 | 84 | 71 |
| 8.5 | 25 | 29 | 43 | 68 | 95 | 81 |
| 9.5 | 29 | 32 | 46 | 74 | 108 | 90 |
| 12.0 | 32 | 35 | 52 | 83 | 119 | 100 |
| 13.5 | 35 | 38 | 57 | 92 | 133 | 113 |
| 17.0 | 38 | 41 | 60 | 98 | 146 | 124 |
| 25.0 | 44 | 51 | 73 | 127 | 178 | 146 |
| 35.0 | 51 | 57 | 83 | 146 | 197 | 171 |
| 45.0 | 57 | 63 | 95 | 160 | 222 | 181 |
| 55.0 | 63 | 70 | 105 | 184 | 267 | 203 |
| 85.0 | 76 | 83 | 127 | 200 | 330 | 229 |
| 120.0 | 89 | 95 | 146 | 241 | 381 | 267 |
| 150.00 | 102 | 108 | 165 | 279 | 432 | 318 |

Sizes up to 1500t available upon request



COLLARED EYEBOLTS & EYENUTS – GRADE 4 – AS2317

| NOMINAL THREAD SIZE | SINGLE EYEBOLT OR EYENUT | | | PAIR OF EYEBOLTS OR EYENUTS | | |
|------------------------------|---|---|---|---|---|---|
| | Transverse t (F2) | Axial t (F1) | Transverse t | Maximum Included Angle 30° t | Maximum Included Angle 60° t | Maximum Included Angle 90° t |
| |  |  |  |  |  |  |
| WORKING LOAD LIMITS (TONNES) | | | | | | |
| M10 | 0.06 | 0.25 | 0.12 | 0.31 | 0.20 | 0.12 |
| M12 | 0.10 | 0.40 | 0.20 | 0.50 | 0.32 | 0.20 |
| M16 | 0.20 | 0.80 | 0.40 | 1.00 | 0.64 | 0.40 |
| M20 | 0.40 | 1.6 | 0.80 | 2.0 | 1.28 | 0.80 |
| M22 | 0.50 | 2.0 | 1.00 | 2.5 | 1.60 | 1.00 |
| M24 | 0.62 | 2.5 | 1.25 | 3.1 | 2.0 | 1.25 |
| M30 | 1.00 | 4.0 | 2.0 | 5.0 | 3.2 | 2.0 |
| M33 | 1.25 | 5.0 | 2.5 | 6.3 | 4.0 | 2.5 |
| M36 | 1.57 | 6.3 | 3.1 | 7.9 | 5.0 | 3.1 |
| M39 | 1.75 | 7.0 | 3.5 | 8.8 | 5.6 | 3.5 |
| M42 | 2.0 | 8.0 | 4.0 | 10.0 | 6.4 | 4.0 |
| M48 | 2.5 | 10.0 | 5.0 | 12.6 | 8.0 | 5.0 |
| M56 | 3.7 | 15.0 | 7.5 | 18.9 | 12.0 | 7.5 |
| M64 | 5.0 | 20.0 | 10.0 | 25.0 | 16.0 | 10.0 |
| M72 | 6.2 | 25.0 | 12.5 | 31.0 | 20.0 | 12.5 |
| M76 | 7.5 | 30.0 | 15.0 | 37.0 | 24.0 | 15.0 |