

**BEAVER** **B-Alloy Grade T(80) Chain Slings** TO AS 3775.2

| CHAIN DIA.<br>mm                                       | SINGLE LEG SLINGS |                  |              | SLINGS OF 2, 3 OR 4 LEGS |      |      |              | ENDLESS SLINGS |              |
|--|-------------------|------------------|--------------|--------------------------|------|------|--------------|----------------|--------------|
|  | STRAIGHT SLING    | ADJUSTABLE SLING | REEVED SLING | STRAIGHT SLING           |      |      | REEVED SLING | BASKET SLING   | REEVED SLING |
|  |                   |                  |              | 60°                      | 90°  | 120° | 60°          | 60°            |              |
| <b>MAXIMUM WORKING LOAD LIMITS IN TONNES OF 1000KG</b> |                   |                  |              |                          |      |      |              |                |              |
| 6  | 1.1               | 0.8              | 0.8          | 1.9                      | 1.6  | 1.1  | 1.5          | 1.5            | 1.7          |
| 7  | 1.5               | 1.1              | 1.1          | 2.6                      | 2.1  | 1.5  | 2.0          | 2.0            | 2.3          |
| 8  | 2.0               | 1.5              | 1.5          | 3.5                      | 2.8  | 2.0  | 2.6          | 2.6            | 3.0          |
| 10   | 3.2               | 2.4              | 2.4          | 5.5                      | 4.5  | 3.2  | 4.1          | 4.1            | 4.8          |
| 13   | 5.3               | 4.0              | 4.0          | 9.2                      | 7.5  | 5.3  | 6.9          | 6.9            | 8.0          |
| 16   | 8.0               | 6.0              | 6.0          | 13.8                     | 11.3 | 8.0  | 10.4         | 10.4           | 12.0         |
| 20   | 12.5              | 9.4              | 9.4          | 21.6                     | 17.6 | 12.5 | 16.3         | 16.3           | 18.8         |
| 22   | 15.0              | 11.3             | 11.3         | 26.0                     | 21.2 | 15.0 | 19.5         | 19.5           | 22.5         |
| 26   | 21.2              | 15.9             | 15.9         | 36.7                     | 29.9 | 21.2 | 27.6         | 27.6           | 31.8         |
| 32   | 31.5              | 23.6             | 23.6         | 54.5                     | 44.4 | 31.5 | 41.0         | 41.0           | 47.3         |

**BEAVER ALLOY GRADE T(80) CHAIN SLINGS Care and Usage Instructions**

**BEAVER ALLOY GRADE T(80) CHAIN SLINGS SHOULD ONLY BE USED BY A COMPETENT PERSON**

Maximum Working Load Limit in Tonnes of 1000kg, under general conditions of use.

- DO NOT EXCEED WORKING LOAD LIMIT
- DO NOT EXCEED 120°
- WLL at 60° must never be exceeded, even at smaller angles.
- WLL at other angles - apply the next greater angle and relevant load factor.

Extreme care should be taken when using the Beaver Grade T(80) Chain Slings in high temperature environments. It is therefore our instruction that the user must always err on the side of caution and make ample provisions for reduced Working Load Limits.

The following are our instructions:

**ACIDIC CONDITIONS**

Beaver Alloy Grade T(80) slings shall not be used in acidic solutions or in any other corrosive environment.

**TEMPERATURE CONDITIONS**

-10°C up to 200°C No reduction in WLL  
200°C up to 300°C Reduce WLL by 10%  
300°C up to 400°C Reduce WLL by 25%  
**Do not use above 400°C**

**GALVANISING**

Beaver alloy chains and fittings should not be hot-dip galvanised or electro-plated, except by Beaver. Galvanised slings must always have the Working Load Limits reduced by 20%.

The WLL of a sling must not exceed the lowest working load limit of the components

**Grade 100 & Grade 120 Chain Slings**

**GRADE 100    GRADE 120**

| CHAIN DIA.<br>mm                                       | SINGLE LEG SLINGS |                   |              | SLINGS OF 2, 3 OR 4 LEGS |       |       |              | ENDLESS SLINGS |              |
|--|-------------------|-------------------|--------------|--------------------------|-------|-------|--------------|----------------|--------------|
|  | STRAIGHT SLING    | ADJUSTABLE SLING* | REEVED SLING | STRAIGHT SLING           |       |       | REEVED SLING | BASKET SLING   | REEVED SLING |
|  |                   |                   |              | 60°                      | 90°   | 120°  | 60°          | 60°            |              |
| <b>MAXIMUM WORKING LOAD LIMITS IN TONNES OF 1000KG</b> |                   |                   |              |                          |       |       |              |                |              |
| WIN 6  | 1.40              | 1.40              | 1.00         | 2.40                     | 2.00  | 1.40  | 1.80         | 1.80           | 2.10         |
| WIN 8  | 2.50              | 2.50              | 1.90         | 4.30                     | 3.55  | 2.50  | 3.25         | 3.25           | 3.75         |
| WINPRO 8   | 3.00              | 3.00              | 2.35         | 5.20                     | 4.20  | 3.00  | 3.90         | 3.90           | 4.50         |
| WIN 10   | 4.00              | 4.00              | 3.00         | 6.90                     | 5.60  | 4.00  | 5.20         | 5.20           | 6.00         |
| WINPRO 10  | 5.00              | 5.00              | 4.00         | 8.60                     | 7.00  | 5.00  | 6.50         | 6.50           | 7.50         |
| WIN 13   | 6.70              | 6.70              | 5.00         | 11.60                    | 9.50  | 6.70  | 8.70         | 8.70           | 10.00        |
| WINPRO 13  | 8.00              | 8.00              | 6.30         | 13.80                    | 11.30 | 8.00  | 10.40        | 10.40          | 12.00        |
| WIN 16   | 10.00             | 10.00             | 7.50         | 17.30                    | 14.10 | 10.00 | 13.00        | 13.00          | 15.00        |
| WIN 20   | 16.00             | 16.00             | 12.00        | 27.70                    | 22.56 | 16.00 | 20.80        | 20.80          | 24.00        |
| WIN 22   | 19.00             | 19.00             | 14.20        | 32.90                    | 26.50 | 19.00 | 24.70        | 24.70          | 28.50        |
| WIN 26   | 26.50             | 26.50             | 19.80        | 45.80                    | 37.30 | 26.50 | 34.40        | 34.40          | 39.70        |
| WIN 32   | 40.00             | 40.00             | 30.00        | 69.20                    | 56.40 | 40.00 | 52.00        | 52.00          | 60.00        |

The load capacity listed are maximum values of various sling types, stated according to the standard (uniform load) method of rating similar to AS 3775.2

**GRADE 100 & 120 CHAIN SLINGS SHOULD ONLY BE USED BY A COMPETENT PERSON.**

Maximum Working Load Limit in Tonnes of 1000kg, under general conditions of use.

- DO NOT EXCEED WORKING LOAD LIMIT
- DO NOT EXCEED 120°
- WLL at other angles - apply the next greater angle and relevant load factor.

**SAFETY WARNING OF HAZARDOUS CONDITIONS:**

Extreme care should be taken when using the Beaver Grade 100 & 120 Chain and fittings in high temperature environments. It is therefore our instruction that the user must always err on the side of caution and NEVER EXCEED 200°C

\* If the grab hook comes with suitable wing, no reduction factor is required, otherwise WLL should be reduced by 25%

# LIFTING CHAIN & COMPONENTS

## Grade 50 Stainless Steel Chain Slings TO AS 4797

| CHAIN DIA.<br>mm                                       | SINGLE LEG SLINGS |              | SLINGS OF 2, 3 OR 4 LEGS |       |      | ENDLESS SLINGS |              |              |
|--|-------------------|--------------|--------------------------|-------|------|----------------|--------------|--------------|
|  | STRAIGHT SLING    | REEVED SLING | STRAIGHT SLING           |       |      | REEVED SLING   | BASKET SLING | REEVED SLING |
|  |                   |              | 60°                      | 90°   | 120° | 60°            | 60°          |              |
| <b>MAXIMUM WORKING LOAD LIMITS IN TONNES OF 1000kg</b> |                   |              |                          |       |      |                |              |              |
| 5  | 0.50              | 0.40         | 0.85                     | 0.70  | 0.5  | 0.85           | 0.68         | 0.80         |
| 7  | 1.00              | 0.80         | 1.70                     | 1.40  | 1.0  | 1.70           | 1.36         | 1.60         |
| 10   | 2.00              | 1.60         | 3.40                     | 2.80  | 2.0  | 3.40           | 2.72         | 3.20         |
| 13   | 3.20              | 2.56         | 5.44                     | 4.48  | 3.2  | 5.44           | 4.35         | 5.12         |
| 16   | 5.00*             | 4.00         | 8.50*                    | 7.00* | 5.0* | 8.50*          | 6.80         | 8.00         |

\*10% Reduction with HSK16

**Grade 50 chain slings should only be used a competent person.**  
**Maximum Working Load Limit in tonnes of 1000kg, under general conditions of use.**

- Do not exceed Working Load Limit
- Do not exceed 120°
- WLL at other angles – apply the next greater angle and relevant load factor
- Never exceed 200°C

