

YOKE[®]

GrabEX[®] 100

Safety is our first priority[™]

CHAIN SLING



Catalogue No.8-2018 GrabEX CHAIN SLING





CHAIN SLING





CHAIN SLING



DANGER: Overhead lifting presents a very real danger of severe injury or loss of life if lifting equipment is not used properly. Please read and understand all of these instructions prior to using any lifting sling or sling assembly. Sling should only be used by qualified persons who are responsible for the sling selection, inspection and use.

Grade 100 Chain Sling Components

WORKING LOAD LIMITS IN TONNES Acc. to PAS 1061

| Load Factor | 1 | | | 1.4 | | 1 | | 2.1 | | 1.5 | | 1.6 |
|-------------|-------------------|--|--------|-------------------------------------|-------------------------|-------------------------------------|-------------------------|-------------------------------------|-------------------------|------|--|-----|
| | For Chain Size mm | | tonnes | β 0 - 45° α 0 - 90° | 45° - 60° 90° - 120° | β 0 - 45° α 0 - 90° | 45° - 60° 90° - 120° | β 0 - 45° α 0 - 90° | 45° - 60° 90° - 120° | | | |
| 6 | | | 1.4 | 2.0 | 1.4 | 2.9 | 2.1 | | | 2.2 | | |
| 7 | | | 1.9 | 2.7 | 1.9 | 4.0 | 2.9 | | | 3.0 | | |
| 8 | | | 2.5 | 3.5 | 2.5 | 5.3 | 3.8 | | | 4.0 | | |
| 10 | | | 4.0 | 5.6 | 4.0 | 8.4 | 6.0 | | | 6.4 | | |
| 13 | | | 6.7 | 9.4 | 6.7 | 14.1 | 10.1 | | | 10.7 | | |
| 16 | | | 10.0 | 14.0 | 10.0 | 21.0 | 15.0 | | | 16.0 | | |
| 20 | | | 16.0 | 22.4 | 16.0 | 33.6 | 24.0 | | | 25.6 | | |
| 22 | | | 19.0 | 26.5 | 19.0 | 39.9 | 28.5 | | | 30.4 | | |
| 26 | | | 26.5 | 37.1 | 26.5 | 55.7 | 39.8 | | | 42.4 | | |
| 32 | | | 40.0 | 56.0 | 40.0 | 84.0 | 60.0 | | | 64.0 | | |

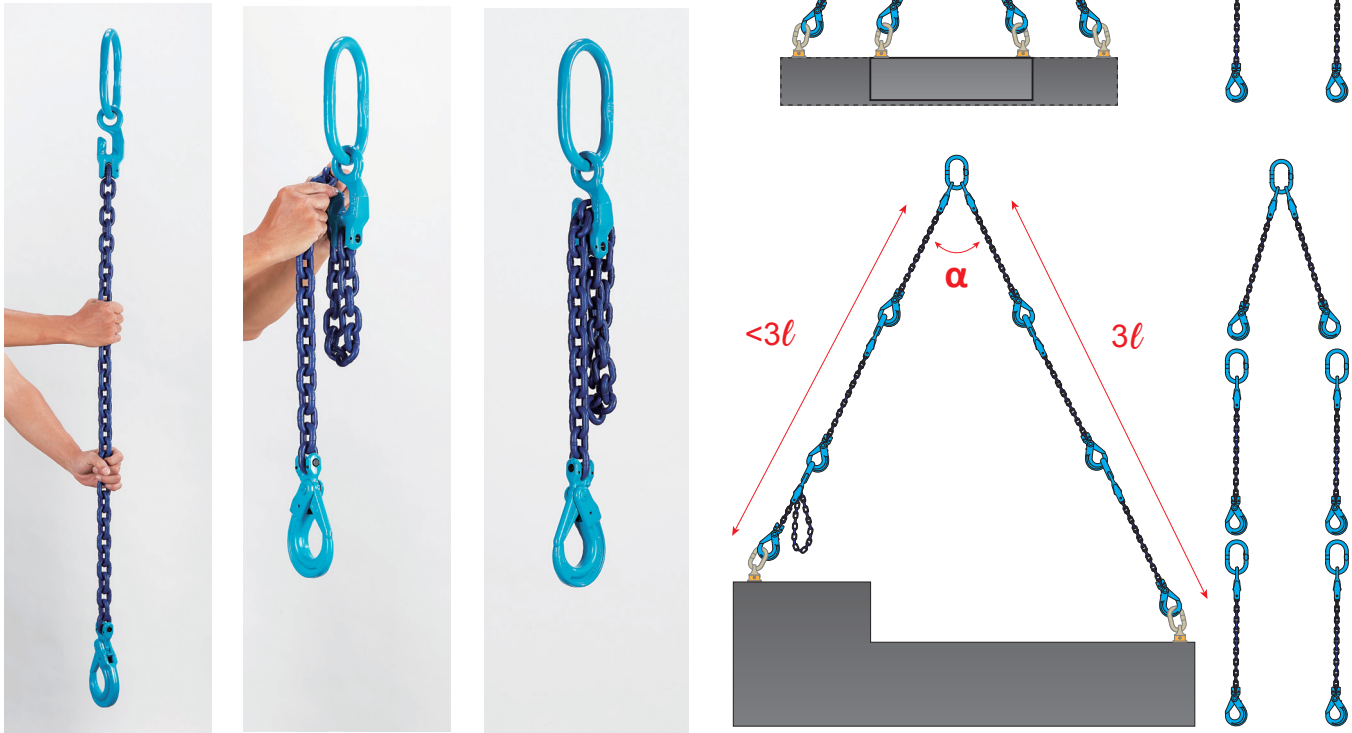
WORKING LOAD LIMITS IN LBS Acc. to PAS 1061

| Load Factor | 1 | | | 1.4 | | 1 | | 2.1 | | 1.5 | | 1.6 |
|-------------|--------------------------|--|--------|-------------------------------------|-------------------------|-------------------------------------|-------------------------|-------------------------------------|-------------------------|---------|--|-----|
| | For Chain Size mm / inch | | lbs | β 0 - 45° α 0 - 90° | 45° - 60° 90° - 120° | β 0 - 45° α 0 - 90° | 45° - 60° 90° - 120° | β 0 - 45° α 0 - 90° | 45° - 60° 90° - 120° | | | |
| 6 | 7/32 | | 3,200 | 4,500 | 3,200 | 6,800 | 4,800 | | | 5,100 | | |
| 7 | 1/4 (9/32) | | 4,300 | 6,100 | 4,300 | 9,100 | 6,400 | | | 6,900 | | |
| 8 | 5/16 | | 5,700 | 8,100 | 5,700 | 12,100 | 8,500 | | | 9,100 | | |
| 10 | 3/8 | | 8,800 | 12,400 | 8,800 | 18,700 | 13,200 | | | 14,100 | | |
| 13 | 1/2 | | 15,000 | 21,200 | 15,000 | 31,800 | 22,500 | | | 24,000 | | |
| 16 | 5/8 | | 22,600 | 32,000 | 22,600 | 47,900 | 33,900 | | | 36,200 | | |
| 20 | 3/4 | | 35,300 | 49,900 | 35,300 | 74,900 | 52,950 | | | 56,500 | | |
| 22 | 7/8 | | 42,700 | 60,400 | 42,700 | 90,600 | 64,000 | | | 68,300 | | |
| 26 | 1 | | 59,700 | 84,400 | 59,700 | 12,600 | 89,550 | | | 95,500 | | |
| 32 | 1 1/4 | | 90,400 | 127,800 | 90,400 | 191,700 | 135,600 | | | 144,600 | | |

** Safety factor 4:1 above limits are valid for standard use and equally loaded slings. Proper use and maintenance of your YOKE chain slings will give long life and enable you to carry out your lifting operations efficiently and safely.

Warning: Never exceed a vertical sling angle of 60°

CHAIN SLING

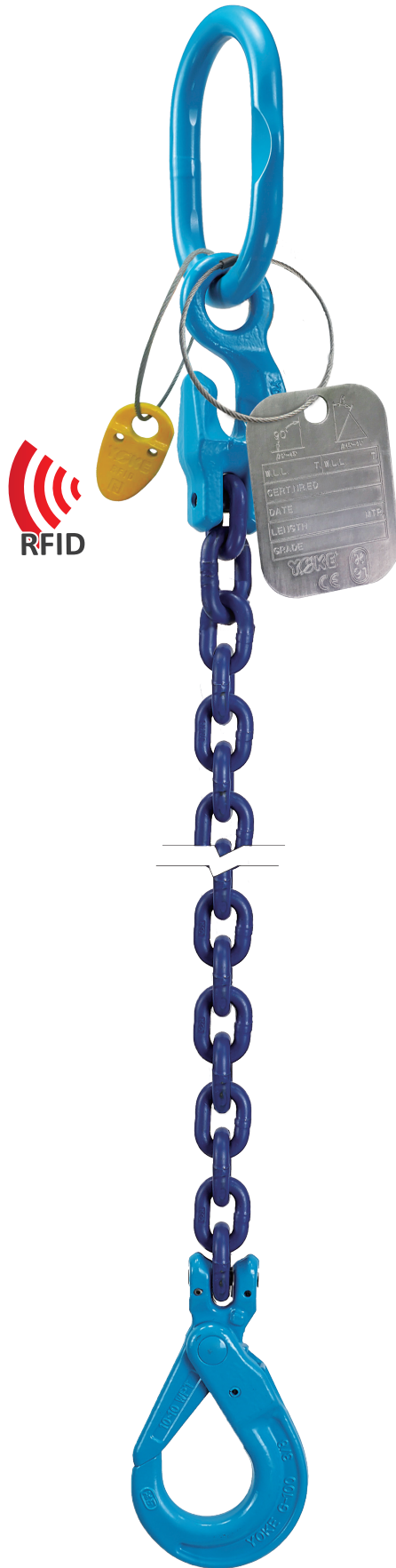


GrabEX Chain Sling Features

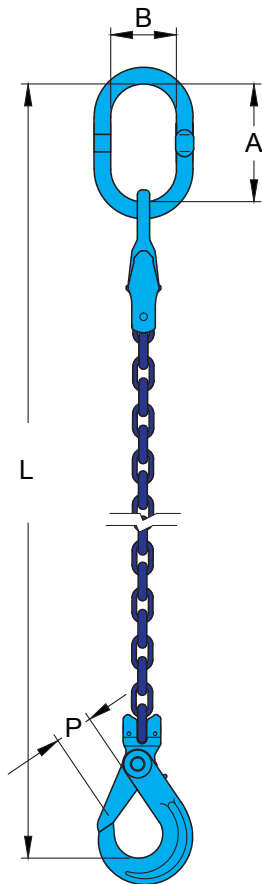
YOKE offers best solutions which can adjust the length of Chain Sling serving for unsymmetric lengths with convenience and functionality, also with following features.

- Light weight but heavy duty system, extreme wear resistance and longer life than traditional components.
- Cost effective compared to conventional slings using multiple components.
- Product designed according to EN1677 and PAS 1061, tested according to GS-OA-15-05.
- Each component is Proof Load tested at 2.5 times the WLL with certification for each sling.
- Each component is Fatigue Rated to 20,000 cycles at 1.5 times the WLL.
- Each component is marked with batch number that links to the test certificate with full traceability to raw material.
- Fully integrated shortening clutch and master link.
- No reduction in WLL when shortening chain.
- Replacement parts available worldwide.

CHAIN SLING



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- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than G80 products.
- Manufactured in accordance with EN 1677 and ASME B30.9.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Each link is marked with batch number that links to test certificate with full traceability to raw materials.
- Fully integrated shortening clutch and master link.
- No reduction in WLL when shortening chain.
- Speedy assembly.
- Light weight system.
- Cost effective compared to slings which use multiple components.
- RFID equipped.



GrabEX-to-go

GrabEX Chain Sling

with X-026 Self Locking Hook

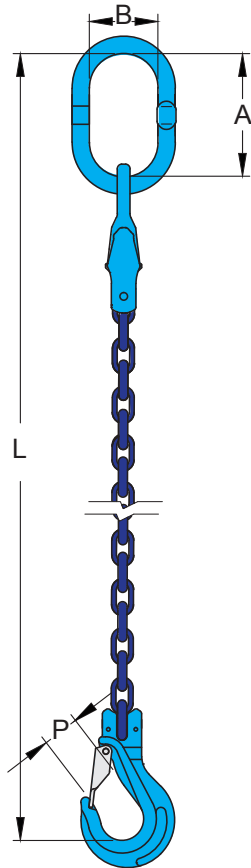
| Item No. | WLL *tonnes | Chain Size mm (inch) | Used to Single Hook Acc. to DIN15401 | A | B | P | Total Component Length (L) m | N.W. kg |
|----------|----------------|-------------------------|-----------------------------------------|-----|-----|----|---------------------------------|------------|
| | | | | | | | | |
| XSB-06 | 1.4 | 6 (7/32) | No.4 | 120 | 70 | 28 | 2 | 2.5 |
| XSB-08 | 2.5 | 8 (5/16) | No.5 | 140 | 80 | 34 | 3 | 5.8 |
| XSB-10 | 4.0 | 10 (3/8) | No.6 | 160 | 95 | 44 | 3 | 9.5 |
| XSB-13 | 6.7 | 13 (1/2) | No.10 | 170 | 105 | 51 | 3 | 16.5 |
| XSB-16 | 10.0 | 16 (5/8) | No.10 | 190 | 110 | 60 | 3 | 25.6 |

* Design factor 4:1 for components in accordance with PAS1061.

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- Cost effective compared to slings which use multiple components.
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GrabEX-to-go

GrabEX Chain Sling

with X-043/S Clevis Hook

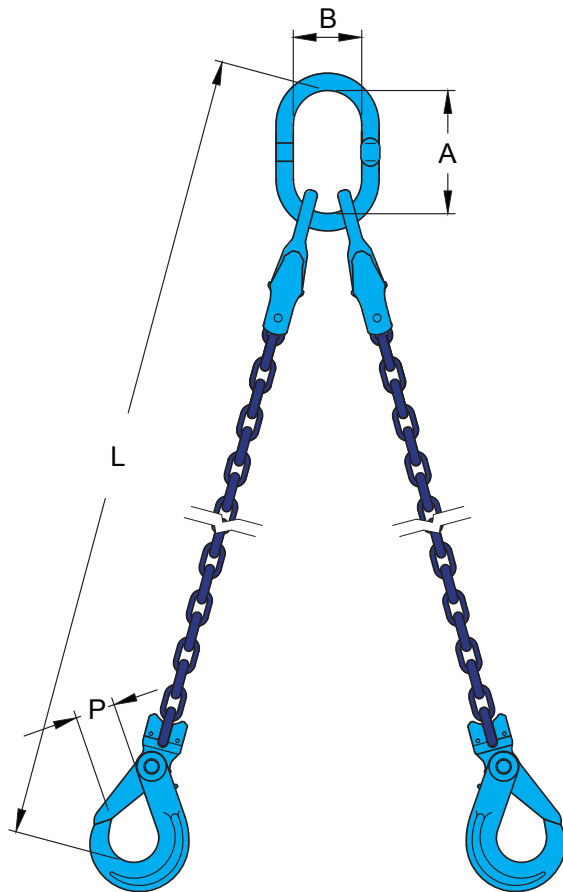
| Item No. | WLL | Chain Size mm (inch) | Used to Single Hook Acc. to DIN15401 | A | B | P | Total Component Length (L) | N.W. |
|----------|--------|-------------------------|--------------------------------------------|-----|-----|----|-------------------------------|------|
| | tonnes | | | | | | | |
| XSA-06 | 1.4 | 6 (7/32) | No.4 | 120 | 70 | 23 | 2 | 2.4 |
| XSA-08 | 2.5 | 8 (5/16) | No.5 | 140 | 80 | 27 | 3 | 5.5 |
| XSA-10 | 4.0 | 10 (3/8) | No.6 | 160 | 95 | 34 | 3 | 9.2 |
| XSA-13 | 6.7 | 13 (1/2) | No.10 | 170 | 105 | 44 | 3 | 15.8 |
| XSA-16 | 10.0 | 16 (5/8) | No.10 | 190 | 110 | 48 | 3 | 24.4 |

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GrabEX-to-go

GrabEX Chain Sling

with X-026 Self Locking Hook

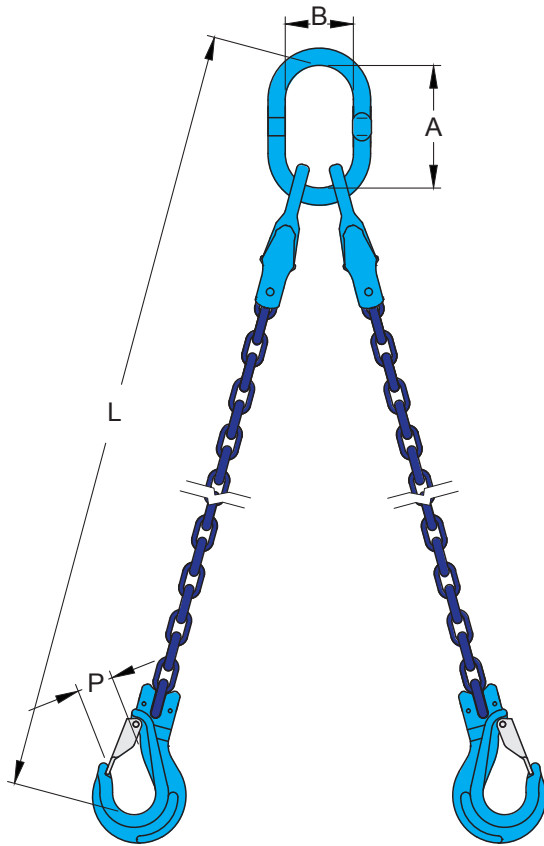
| Item No. | β 0-45° | β 45-60° | Chain Size | Used to Single Hook Acc. to DIN15401 | A | B | P | Total Component Length (L) | N.W. |
|----------|----------------|------------------|------------|--------------------------------------|-----|-----|----|----------------------------|------|
| | α 0-90° | α 90-120° | | | | | | | |
| XTB-06 | 2.0 | 1.4 | 6 (7/32) | No.4 | 120 | 70 | 28 | 2 | 4.4 |
| XTB-08 | 3.5 | 2.5 | 8 (5/16) | No.5 | 160 | 95 | 34 | 3 | 11.4 |
| XTB-10 | 5.6 | 4.0 | 10 (3/8) | No.6 | 170 | 105 | 44 | 3 | 18.6 |
| XTB-13 | 9.4 | 6.7 | 13 (1/2) | No.10 | 190 | 110 | 51 | 3 | 32.2 |
| XTB-16 | 14.0 | 10.0 | 16 (5/8) | No.10 | 230 | 130 | 60 | 3 | 50.8 |

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GrabEX Chain Sling

with X-043/S Clevis Hook

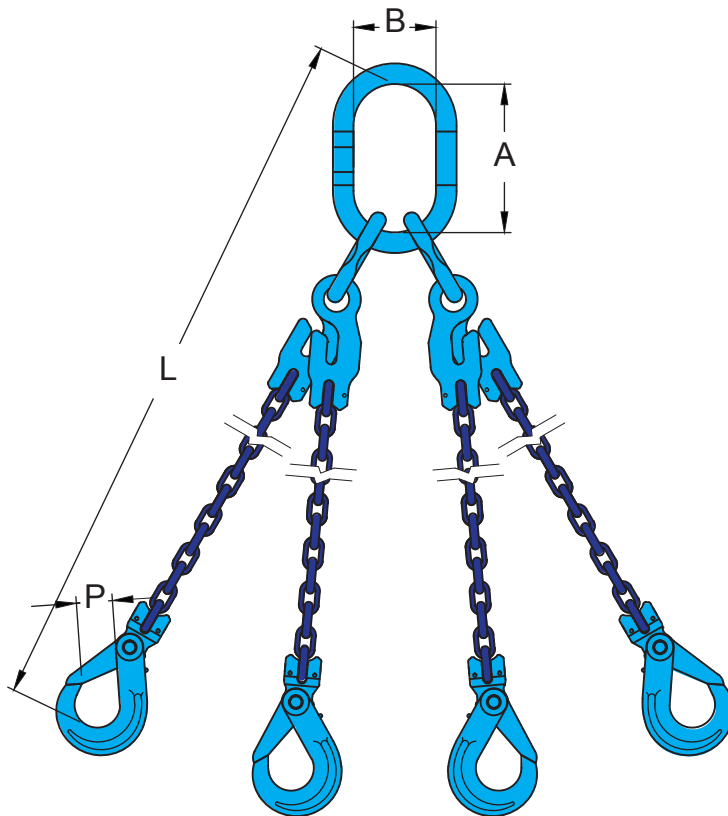
| Item No. | β 0-45° | β 45-60° | Chain Size | Used to Single Hook Acc. to DIN15401 | A | B | P | Total Component Length (L) | N.W. |
|----------|----------------|------------------|------------|--------------------------------------|-----|-----|----|----------------------------|------|
| | α 0-90° | α 90-120° | | | | | | | |
| XTA-06 | 2.0 | 1.4 | 6 (7/32) | No.4 | 120 | 70 | 23 | 2 | 4.4 |
| XTA-08 | 3.5 | 2.5 | 8 (5/16) | No.5 | 160 | 95 | 27 | 3 | 11.4 |
| XTA-10 | 5.6 | 4.0 | 10 (3/8) | No.6 | 170 | 105 | 34 | 3 | 18.6 |
| XTA-13 | 9.4 | 6.7 | 13 (1/2) | No.10 | 190 | 110 | 44 | 3 | 32.2 |
| XTA-16 | 14.0 | 10.0 | 16 (5/8) | No.10 | 230 | 130 | 48 | 3 | 50.8 |

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GrabEX-to-go

GrabEX Chain Sling

with X-026 Self Locking Hook

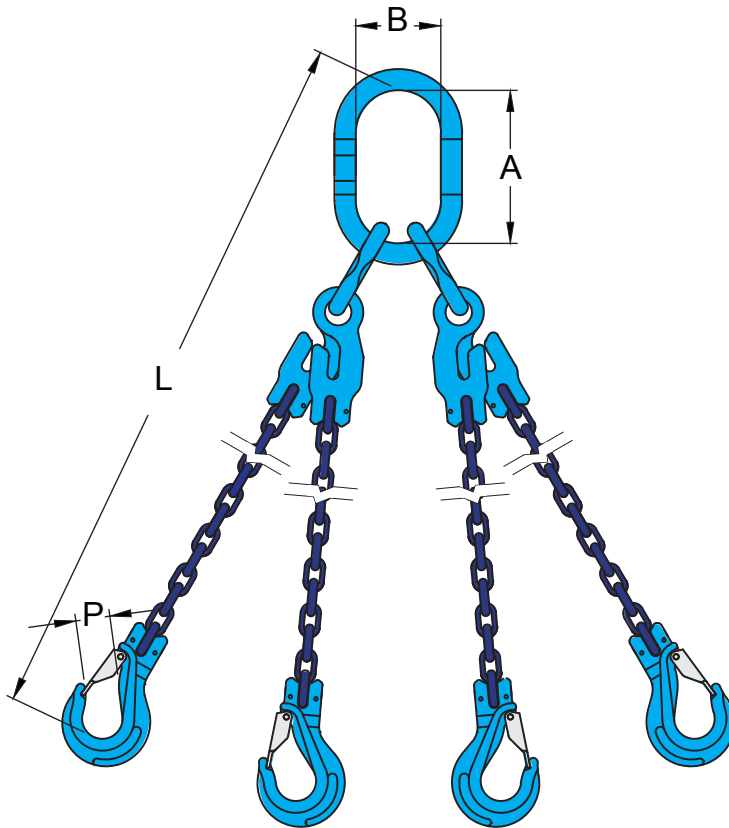
| Item No. | β 0-45° | β 45-60° | Chain Size | Used to Single Hook Acc. to DIN15401 | A | B | P | Total Component Length (L) | N.W. |
|----------|----------------|------------------|------------|--------------------------------------|-----|-----|----|----------------------------|------|
| | α 0-90° | α 90-120° | | | | | | | |
| XQB-06 | 2.9 | 2.1 | 6 (7/32) | No.4 | 160 | 95 | 28 | 2 | 4.2 |
| XQB-08 | 5.3 | 3.8 | 8 (5/16) | No.5 | 170 | 105 | 34 | 3 | 10.8 |
| XQB-10 | 8.4 | 6.0 | 10 (3/8) | No.6 | 190 | 110 | 44 | 3 | 18 |
| XQB-13 | 14.1 | 10.1 | 13 (1/2) | No.10 | 230 | 130 | 51 | 3 | 30.8 |
| XQB-16 | 21.0 | 15.0 | 16 (5/8) | No.10 | 275 | 150 | 60 | 3 | 48.4 |

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with X-043/S Clevis Hook

| Item No. | β 0-45° | β 45-60° | Chain Size | Used to Single Hook Acc. to DIN15401 | A | B | P | Total Component Length (L) | N.W. |
|----------|----------------|------------------|------------|--------------------------------------|-----|-----|----|----------------------------|------|
| | α 0-90° | α 90-120° | | | | | | | |
| XQA-06 | 2.9 | 2.1 | 6 (7/32) | No.4 | 160 | 95 | 23 | 2 | 9.2 |
| XQA-08 | 5.3 | 3.8 | 8 (5/16) | No.5 | 170 | 105 | 27 | 3 | 22.7 |
| XQA-10 | 8.4 | 6.0 | 10 (3/8) | No.6 | 190 | 110 | 34 | 3 | 36.8 |
| XQA-13 | 14.1 | 10.1 | 13 (1/2) | No.10 | 230 | 130 | 44 | 3 | 63.2 |
| XQA-16 | 21.0 | 15.0 | 16 (5/8) | No.10 | 275 | 150 | 48 | 3 | 98 |

* Design factor 4:1 for components in accordance with PAS1061.

CHAIN SLING



XSB Series | p.06



XSA Series | p.08



XTB Series | p.10



XTA Series | p.12



XQB Series | p.14



XQA Series | p.16

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An ISO 9001 Registered Company

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