

Double Flex Chains

Features

Pin bearing surfaces are induction hardened

▶ High Wear Resistance

Sliding surface of sidebars are induction hardened

▶ High Wear Resistance

50% greater wearing surface than drop-forged chains

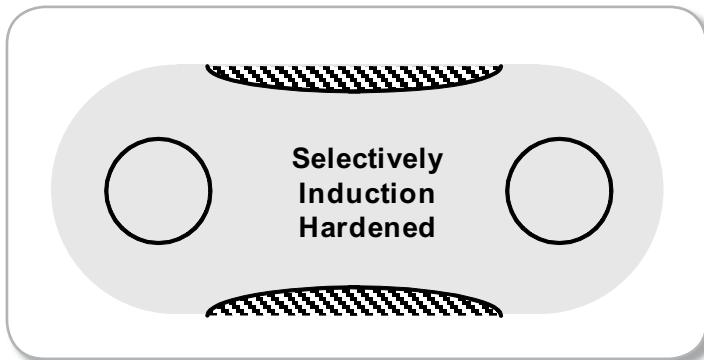
▶ 50 % less wear on chain and channels

Cupped configuration on outer sidebars

▶ Protection of pin rivets

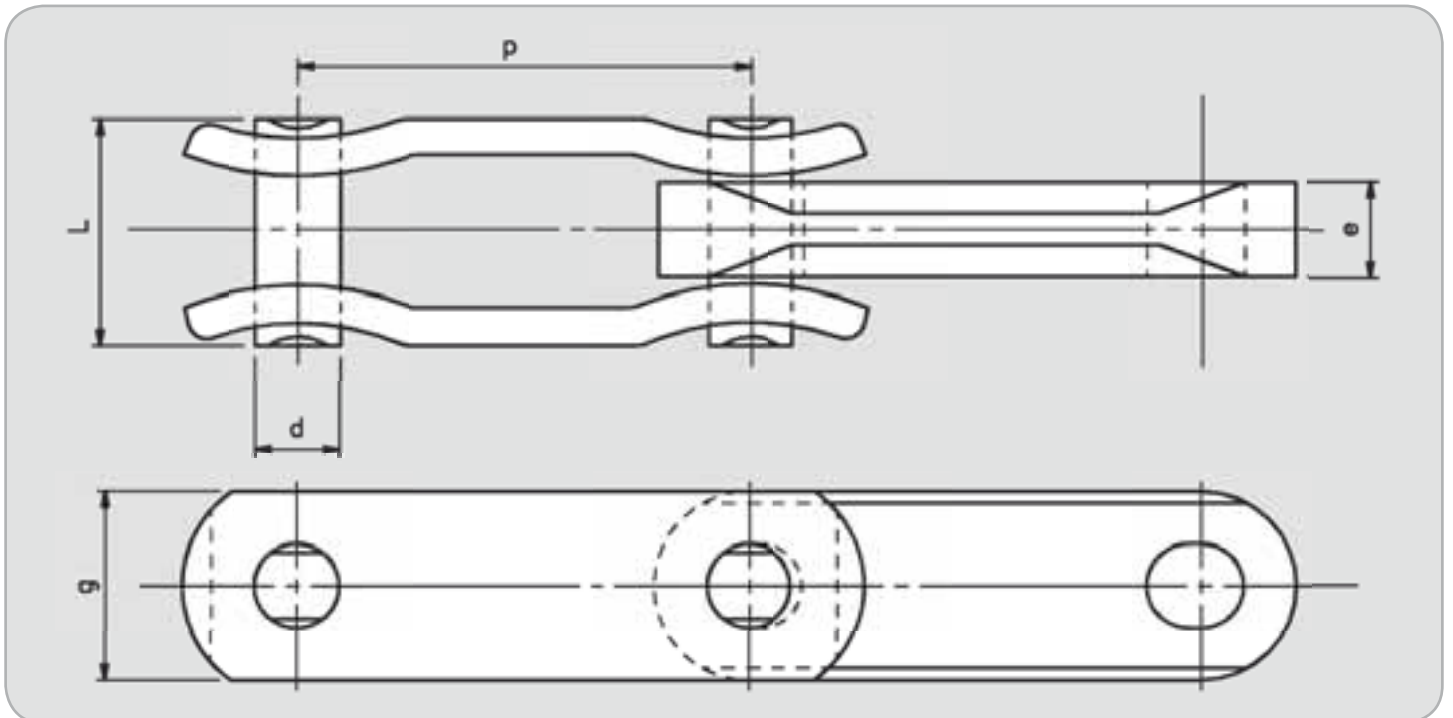
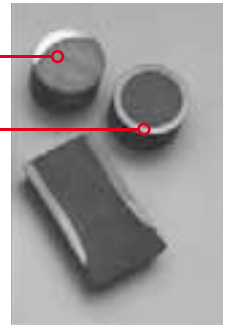
Performance Data

| Ratio of chain speed (m/min) to conveyor length (m) | Fw [kN] - min |
|--|------------------|
| 0,1 - 0,6 | 17,8 |
| 1 | 15,1 |
| 1,5 | 12,9 |
| 2 | 11,6 |
| 2,5 | 10,2 |
| 3 | 9,4 |
| 3,0 - 15 | 9,4 |



Selective

Circumferential

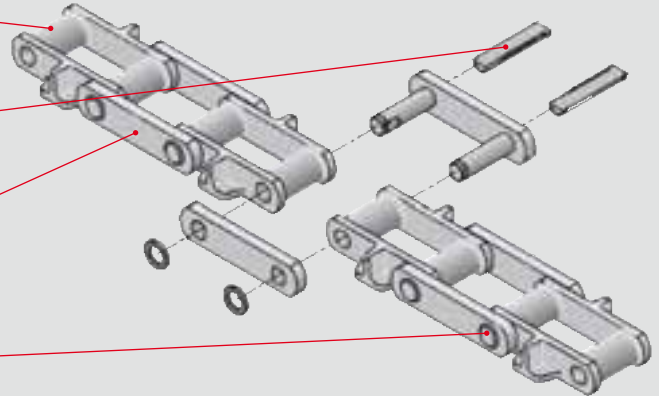


| Chain No | p [mm] | p [inch] | e | d | L | g | R | F _B [kN] | q [kg/m] | Sprocket No |
|----------|--------|----------|------|------|------|-------|-----|---------------------|----------|-------------|
| 3500 | 63,5 | 2,5 | 16,0 | 14,2 | 38,1 | 31,75 | 508 | 5 | 1,5 | 3500 |
| 3500 | 76,2 | 3,0 | 16,0 | 14,2 | 38,1 | 31,75 | 508 | 5 | 1,5 | 3500 |

Extra Heavy Duty Combination chains

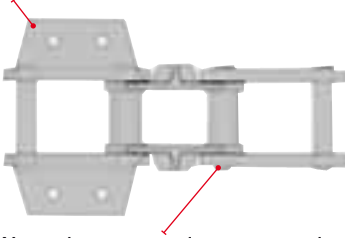
Chain Design

- ▶ Block links are cast from high strength alloy and thru-hardened to provide maximum strength and resistance to impact, abrasion and wear.
- ▶ Machined alloy steel rivets are thru-hardened then selectively induction hardened to provide the toughest possible surface on the wear side with the maximum strength, ductility and toughness.
- ▶ Fabricated steel sidebars are extra thick and thru-hardened for strength and impact resistance.
- ▶ Press-fit rivets increase sidebar fatigue resistance.



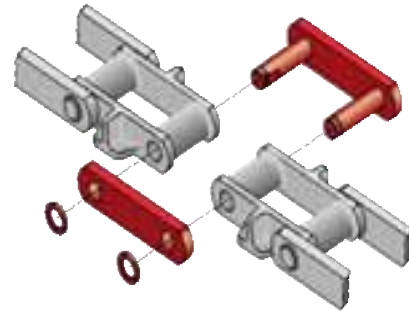
Attachments

Attachments are fabricated to be integral with the sidebar for maximum strength and reliability. This also provides the ability to furnish custom attachment configuration.



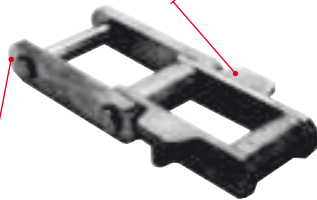
Wear shoes extend to protect rivet ends.

Connecting Link

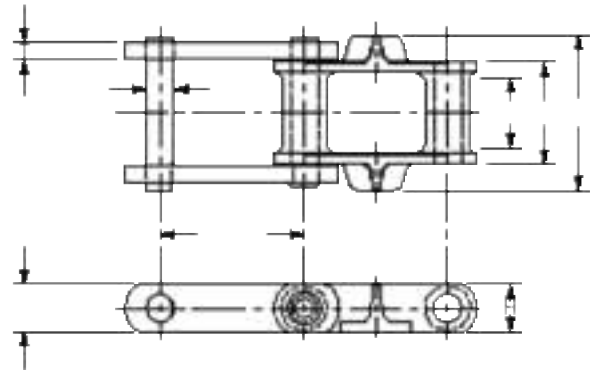


Attachments

Integrally cast wear shoes on every block link and extra-thick steel sidebars distribute sliding wear and extend the wear life of both the chain and the wear bed surface.



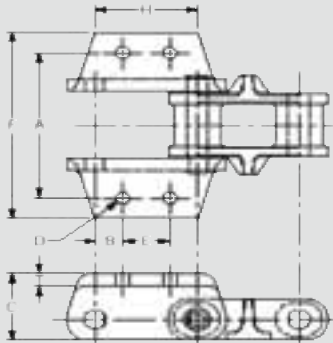
Fabricated Steel sidebars are extra thick and through hardened for strength and impact resistance.



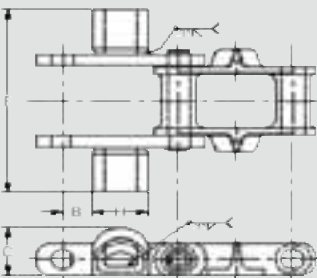
| Chain No | p [mm] | p [inch] | A | D | E | T | F | G | H | Fw [kN] | q [kg/m] | RPM <i>recomm.</i> For 12 T | Sprocket No |
|----------|---------|----------|-------|--------|-------|-------|------|------|------|---------|----------|-----------------------------|-------------|
| XHD124 | 103,124 | 4,06 | 124,0 | 76,2 | 44,45 | 16,00 | 50,8 | 22,4 | 41,4 | 20 | 37,5 | 60 | XHD124 |
| XHD132 | 153,67 | 6,05 | 165,1 | 109,47 | 74,68 | 19,05 | 50,8 | 28,7 | 44,5 | 38 | 40,6 | 30 | XHD132 |
| XHD157 | 153,67 | 6,1 | 174,8 | 117,6 | 76,2 | 19,05 | 50,8 | 31,8 | 46,7 | 45 | 53,6 | 30 | XHD157 |

Cast Chains - Attachments

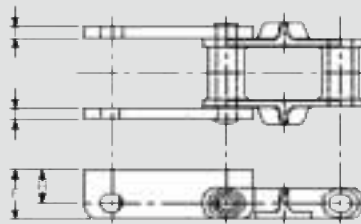
K2



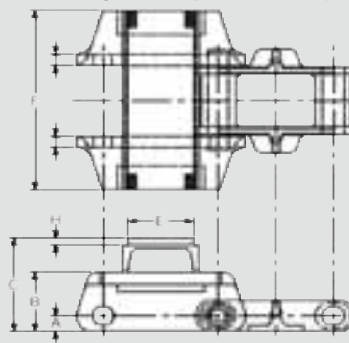
“C” Style Cradle



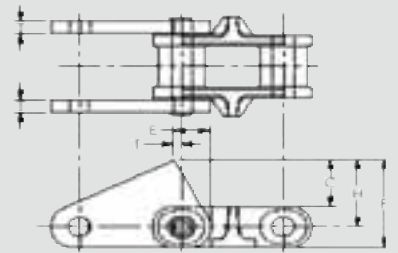
M1



“B” Style Pulpwood Flight



S1

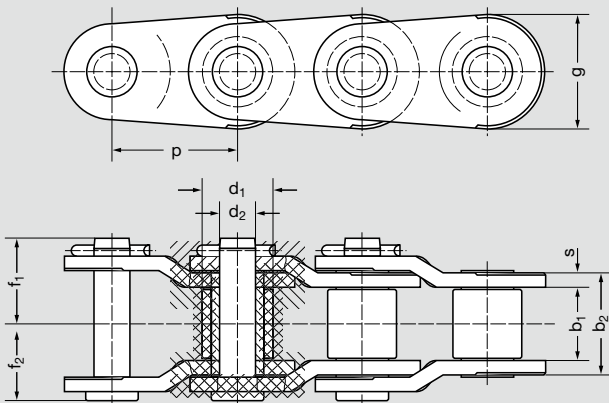


| Chain No | A | B | C | Bolt Dia. | Bolt Hole | E | F | H | T | q [kg/m] |
|--------------------------------|-------|-------|--------|-----------|-----------|-------|--------|-------|-------|----------|
| K2 | | | | | | | | | | |
| XHD124 | 181,0 | 26,92 | 82,55 | 12,70 | 13,22 | 49,3 | 231,9 | 108,0 | 16,0 | 38,7 |
| XHD132 | 22,9 | 41,91 | 95,25 | 12,70 | 13,22 | 69,85 | 287,3 | 161,0 | 19,1 | 46,1 |
| XHD157 | 236,5 | 41,91 | 101,6 | 12,70 | 13,22 | 69,85 | 287,3 | 173,0 | 19,1 | 53,57 |
| M1 | | | | | | | | | | |
| XHD132 | - | - | - | - | - | - | 76,2 | 50,8 | 19,05 | 32,7 |
| XHD157 | - | - | - | - | - | - | 88,9 | 57,15 | 19,05 | 41,7 |
| S1 | | | | | | | | | | |
| XHD124 | - | 8,13 | 57,15 | - | - | - | 108,0 | 82,6 | 16,0 | 29,8 |
| XHD132 | - | 14,32 | 69,85 | - | - | - | 120,7 | 95,3 | 19,05 | 43,2 |
| XHD157 | - | 9,91 | 69,85 | - | - | - | 133,4 | 101,6 | 19,05 | 41,7 |
| C-Style Cradle | | | | | | | | | | |
| XHD132 | - | 38,85 | 76,20 | - | - | - | 292,1 | 76,2 | - | 38,7 |
| XHD157 | - | 38,85 | 76,20 | - | - | - | 342,9 | 76,2 | - | 43,2 |
| B-Style Pulpwood Flight | | | | | | | | | | |
| XHD132 | 38,1 | 69,85 | 123,95 | - | - | - | 287,3 | 9,65 | 19,05 | 47,6 |
| XHD157 | 38,1 | 69,85 | 123,95 | - | - | - | 287,27 | 9,65 | 19,05 | 55,1 |

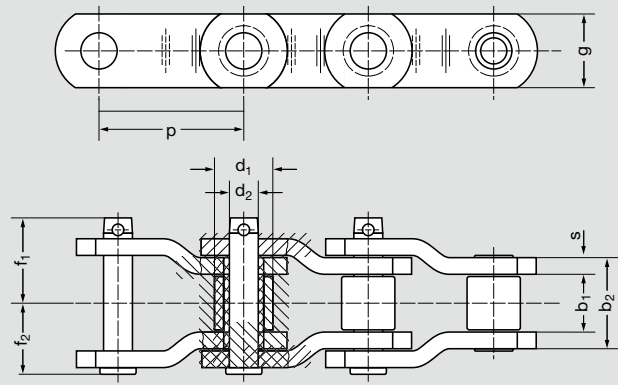
Rotary Chains - Offset Sidebar Chains

Advantages

- ▶ Rexnord design and specifications are the most exacting in the industry.
- ▶ Superior dimensional control for even wear & longer life
- ▶ Superior hole quality for higher fatigue strength
- ▶ Optimum interference fits provide superior fatigue strength and longer chain life
- ▶ Circumferentially induction hardened (CIH) and selectively induction hardened (SIH) pins
- ▶ Superior heat treat control and optimum case depths for wear resistance and strength



Type A



Type B

Straight plates on request available.

Dimension

| Rex | p [mm] | p [inch] | b min | D max | d | l max | g max | s | Pins HT | A [cm ²] | F _B [kN] min | q [kg/m] |
|--------|-----------|-------------|----------|----------|--------|----------|----------|------|------------|-------------------------|----------------------------|-------------|
| Ro 20 | 2,0 | 50,8 | 30,6 | 28,58 | 14,27 | 71,5 | 48,00 | 6,35 | TH | 6,40 | 222,5 | 9,9 |
| 1037 | 3,075 | 78,1 | 36,5 | 31,75 | 16,46 | 95,2 | 44,50 | 9,50 | SIH | 9,40 | 280,4 | 12,8 |
| Ro 3 | 3,075 | 78,1 | 36,9 | 31,75 | 15,875 | 88,2 | 41,50 | 8,00 | SIH | 8,50 | 271,5 | 11,0 |
| Ro 3B | 3,067 | 77,9 | 38,5 | 41,28 | 19,05 | 99,3 | 57,5 | 9,5 | SIH | 11,2 | 400,5 | 18,0 |
| Ro 3,5 | 3,5 | 88,9 | 36,9 | 44,45 | 22,22 | 114 | 57,5 | 12,7 | SIH | 14,1 | 556,3 | 23,6 |
| Ro 4 | 4,063 | 103,2 | 48,0 | 44,45 | 22,22 | 125,1 | 54,0 | 12,7 | SIH | 16,6 | 476,2 | 19,4 |
| Ro 4B | 4,073 | 103,5 | 47,6 | 45,24 | 23,81 | 132,3 | 60,5 | 14,3 | SIH | 18,5 | 650,0 | 27,9 |
| Ro 4,5 | 4,5 | 114,3 | 50,8 | 57,15 | 27,78 | 136,6 | 76,5 | 14,3 | CIH | 22,5 | 894,5 | 32,9 |
| Ro 5B | 5,0 | 127,0 | 68,3 | 63,5 | 31,75 | 156,9 | 89,0 | 15,9 | SIH | 32,2 | 1161,5 | 52,5 |
| Ro 6 | 6,0 | 152,4 | 74,6 | 76,2 | 38,1 | 182,3 | 102,0 | 19,0 | CIH | 43,5 | 1646,5 | 67,1 |

F_B - Breaking Load • *TH* - Through Hardened • *SIH* - Selectively Induction Hardened • *CIH* - Circumferentially Induction Hardened