

# Lifting & Rigging

## BURNCRETE

LIFTING • RIGGING • LASHING • PULLING



Lifting & Rigging

# Lifting & Rigging

Burncrete's core business is the supply of lifting, rigging, pulling and lashing equipment to the mining, industrial, construction, transport, railways and harbours sectors, via re-

sellers, agents and distributors. Burncrete is strictly a wholesaler and does not sell to end users. If you would like to find out more about these products or your nearest

distributor go to [www.burncrete.co.za](http://www.burncrete.co.za) Alternatively you can call **(+27 11) 613-3851/2/3/4** or e-mail [sales@burncrete.co.za](mailto:sales@burncrete.co.za)



Steel Wire Rope

492-495



Wire Rope Slings & Fitted Ropes

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Grade 80 & 100 Chain & Fittings

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Chain

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Webbing Slings

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Electric Hoists

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Rolacrawls

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Chain Blocks

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Lever Blocks

498



Maxigrabs

498



Wire Rope Winches

499



Shackles

499

- Steel wire ropes are available in a variety of diameters, constructions and finishes
- The following types of ropes are available from our range of stock

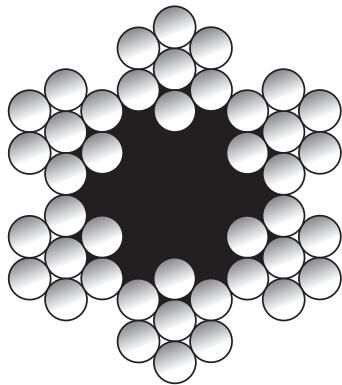


## Construction: 6 x 7 FC (Galvanised Steel)

From 1.5 - 10mm

Code

WR01,5/6X7G
WR02,0/6X7G
WR02,5/6X7G
WR03,0/6X7G
WR04/6X7G
WR05/6X7G
WR06/6X7G
WR08/6X7G
WR10/6X7G

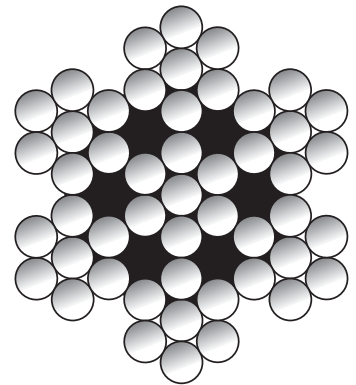


## Construction: 7 x 7 WMC (Galvanised Steel)

From 1 - 6mm

Code

WR01,0/7X7G
WR01,5/7X7G
WR02,0/7X7G
WR02,5/7X7G
WR03,0/7X7G
WR03,5/7X7G
WR04/7X7G
WR05/7X7G
WR06/7X7G

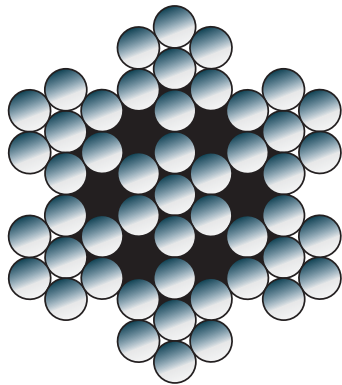


## Construction: 7 x 7 WMC (Stainless Steel Gr316)

1 & 1.5mm

Code

WR01,0/7X7S
WR01,5/7X7S

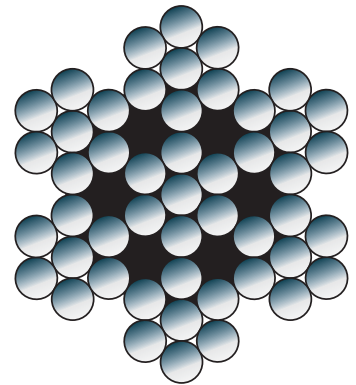


## Construction: 7 x 7 WMC (Stainless Steel Gr304)

1 - 5mm

Code

WR01,0/7X7SS
WR01,5/7X7SS
WR02,0/7X7SS
WR02,5/7X7SS
WR03,0/7X7SS
WR04/7X7SS
WR05/7X7SS

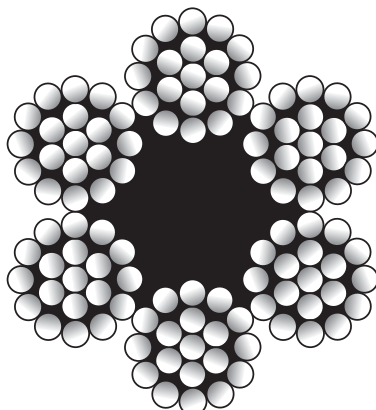


## Construction: 6 x 19 FC (Galvanised Steel)

From 3.0 - 22mm

Code

WR03,0/6X19G
WR04/6X19G
WR05/6X19G
WR06/6X19G
WR08/6X19G
WR10/6X19G
WR13/6X19G (9/9/1)
WR16/6X19G (9/9/1)
WR19/6X19G (9/9/1)
WR22/6X19G (9/9/1)



## Construction: 6 x 19 IWRC (Galvanised Steel)

From 8.0 - 16mm

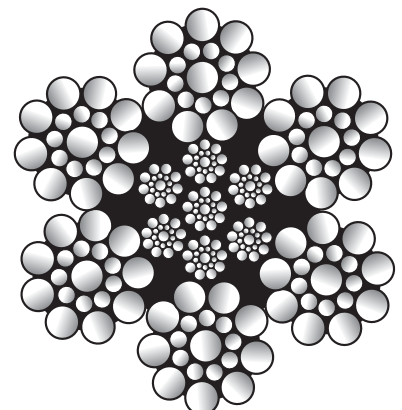
Code

WR08/6X19GIWRC
WR10/6X19GIWRC
WR11/6X19GIWRC
WR13/6X19GIWRC
WR16/6X19GIWRC

Ungalvanised 8.0 & 16

Code

WR08/6X19BIWRC
WR16/6X19BIWRC



# BURNCRETE STEEL WIRE ROPES

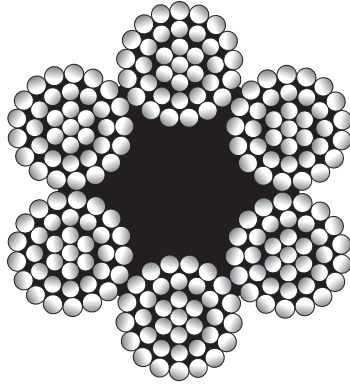
- Steel wire ropes are available in a variety of diameters, constructions and finishes
- The following types of ropes are available from our range of stock

## Construction: 6 x 36 FC (Galvanised Steel)

From 6 - 38mm

### Code

WR06/6X36G  
WR08/6X36G  
WR09,0/6X36G  
WR10/6X36G  
WR11/6X36G  
WR12/6X36G  
WR13/6X36G  
WR14/6X36G  
WR16/6X36G  
WR18/6X36G  
WR19/6X36G  
WR20/6X36G  
WR22/6X36G  
WR24/6X36G  
WR26/6X36G  
WR28/6X36G  
WR32/6X36G  
WR38/6X36G

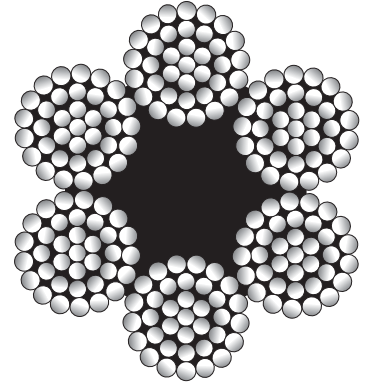


## Construction: 6 x 36 FC (Ungalvanised Steel)

From 6 - 56mm

### Code

WR06/6X36B  
WR08/6X36B  
WR09,0/6X36B  
WR10/6X36B  
WR11/6X36B  
WR12/6X36B  
WR13/6X36B  
WR14/6X36B  
WR16/6X36B  
WR18/6X36B  
WR19/6X36B  
WR20/6X36B  
WR22/6X36B  
WR24/6X36B  
WR26/6X36B  
WR28/6X36B  
WR32/6X36B  
WR38/6X36B  
WR44/6X36B  
WR50/6X36B  
WR56/6X36B

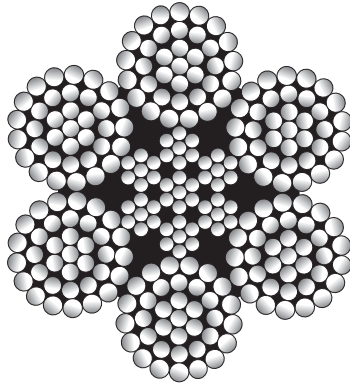


## Construction: 6 x 36 IWRC (Galvanised Steel)

From 6 - 56mm

### Code

WR06/6X36GIWRC  
WR08/6X36GIWRC  
WR09,0/6X36GWC  
WR10/6X36GIWRC  
WR11/6X36GIWRC  
WR12/6X36GIWRC  
WR13/6X36GIWRC  
WR14/6X36GIWRC  
WR16/6X36GIWRC  
WR18/6X36GIWRC  
WR19/6X36GIWRC  
WR20/6X36GIWRC  
WR22/6X36GIWRC  
WR24/6X36GIWRC  
WR26/6X36GIWRC  
WR28/6X36GIWRC  
WR32/6X36GIWRC  
WR38/6X36GIWRC  
WR44/6X36GIWRC  
WR50/6X36GIWRC  
WR56/6X36GIWRC

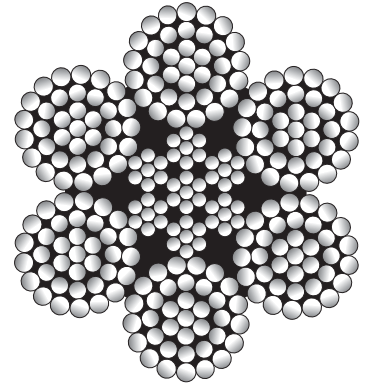


## Construction: 6 x 36 IWRC (Ungalvanised Steel)

From 6 - 38mm

### Code

WR06/6X36BIWRC  
WR08/6X36BIWRC  
WR09,0/6X36BWC  
WR10/6X36BIWRC  
WR11/6X36BIWRC  
WR12/6X36BIWRC  
WR13/6X36BIWRC  
WR14/6X36BIWRC  
WR16/6X36BIWRC  
WR18/6X36BIWRC  
WR19/6X36BIWRC  
WR20/6X36BIWRC  
WR22/6X36BIWRC  
WR24/6X36BIWRC  
WR26/6X36BIWRC  
WR28/6X36BIWRC  
WR32/6X36BIWRC  
WR38/6X36BIWRC



# BURNCRETE STEEL WIRE ROPES

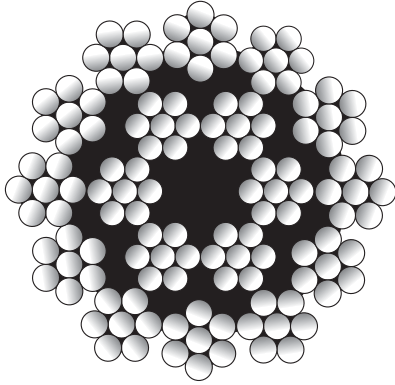
- Steel wire ropes are available in a variety of diameters, constructions and finishes
- The following types of ropes are available from our range of stock

## Construction: 18 x 7 FC (Ungalvanised Steel)

From 6 - 8mm

Code

WR06/18X7B
WR07,0/18X7B
WR07,5/18X7B
WR08/18X7B

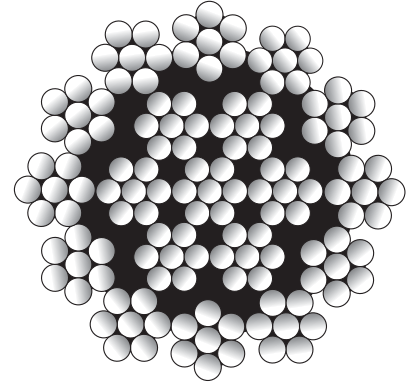


## Construction: 19 x 7 WMC (Ungalvanised Steel)

From 9 - 28mm

Code

WR09,0/19X7B
WR09,5/19X7B
WR10/19X7B WMC
WR11/19X7B WMC
WR12/19X7B WMC
WR13/19X7B WMC
WR14/19X7B WMC
WR15/19X7B WMC
WR16/19X7B WMC
WR17/19X7B WMC
WR18/19X7B WMC
WR19/19X7B WMC
WR20/19X7B WMC
WR22/19X7B WMC
WR24/19X7B WMC
WR26/19X7B WMC
WR28/19X7B WMC

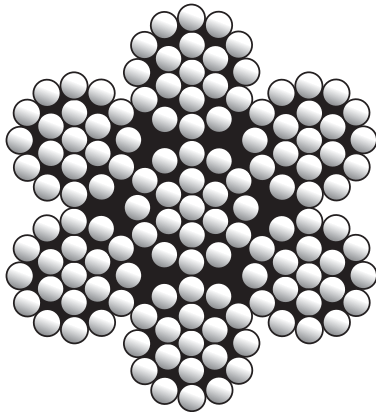


## Construction: 7 x 19 WMC (Galvanised Steel)

3.5 & 4mm

Code

WR03,5/7X19G
WR04/7X19G

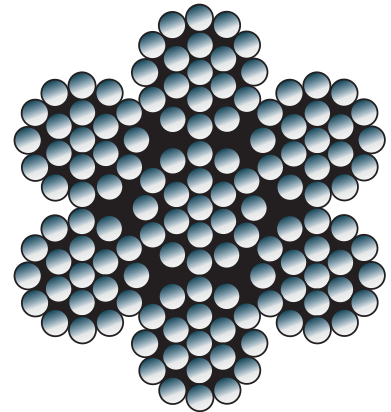


## Construction: 7 x 19 WMC (Stainless Steel Gr304 & 316)

Gr 316 from 2 - 19mm

Code

WR02,0/7X19S
WR02,5/7X19S
WR03,0/7X19S
WR04/7X19S
WR05/7X19S
WR06/7X19S
WR08/7X19S
WR10/7X19S
WR13/7X19S
WR16/7X19S
WR19/7X19S



Gr 304 from 6 - 19mm

Code

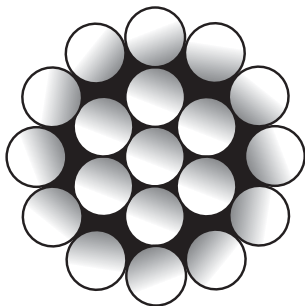
WR06/7X19SS
WR08/7X19SS
WR10/7X19SS
WR13/7X19SS
WR16/7X19SS
WR19/7X19SS

## Construction: 1 x 19 WMC (Galvanised Steel)

From 1 - 6mm

Code

WR01,0/1X19G
WR01,2/1X19G
WR01,25/1X19G
WR01,5/1X19G
WR02,0/1X19G
WR02,5/1X19G
WR02,8/1X19G
WR03,0/1X19G
WR03,5/1X19G
WR04/1X19G
WR06/1X19G

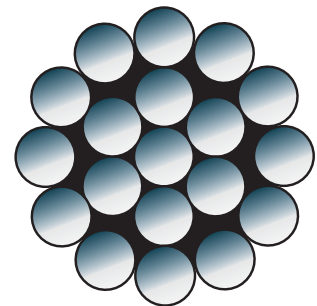


## Construction: 1 x 19 WMC (Stainless Steel Gr316)

From 1 - 6mm

Code

WR01,0/1X19S
WR01,5/1X19S
WR02,0/1X19S
WR02,5/1X19S
WR03,0/1X19S
WR03,5/1X19S
WR04/1X19S
WR06/1X19S



# BURNCRETE STEEL WIRE ROPES

- Steel wire ropes are available in a variety of diameters, constructions and finishes
- The following types of ropes are available from our range of stock

## Construction: 8 x 19 Compacted (Ungalvanised Steel)

RHRL from 7.5 - 11mm

Code

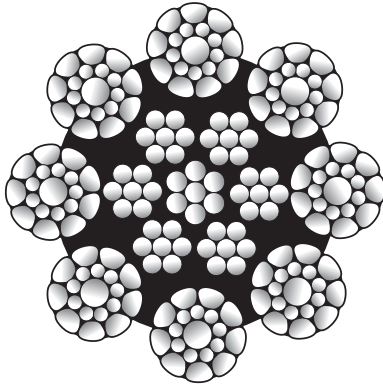
WR07,5/8X19BCO  
WR08/8X19BCOMP  
WR09,0/8X19BCO  
WR11/8X19BCOMP

LHRL

from 7.5 - 11mm

Code

WR08/8X19LHR  
WR09,0/8X19LHR  
WR11/8X19 LHRL



## Construction: 8 x 26 Compacted (Ungalvanised Steel)

From 13 - 20mm

Code

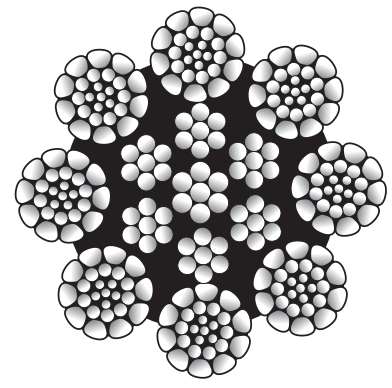
WR13/8X26BCOMP  
WR14/8X26BCOMP  
WR16/8X26BCOMP  
WR19/8X26BCOMP  
WR20/8X26BCOMP

LHRL

13 & 14mm

Code

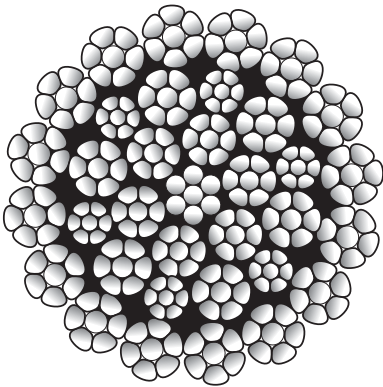
WR13/8X26 LHRL  
WR14/8X26 LHRL



## Construction: 35 x 7 WMC Compacted (Ungalvanised Steel) From 10 - 22mm

Code

WR10/35X7BCOMP  
WR11/35X7BCOMP  
WR12/35X7BCOMP  
WR13/35X7BCOMP  
WR14/35X7BCOMP  
WR15/35X7BCOMP  
WR16/35X7BCOMP  
WR17/35X7BCOMP  
WR18/35X7BCOMP  
WR19/35X7BCOMP  
WR20/35X7BCOMP  
WR22/35X7BCOMP

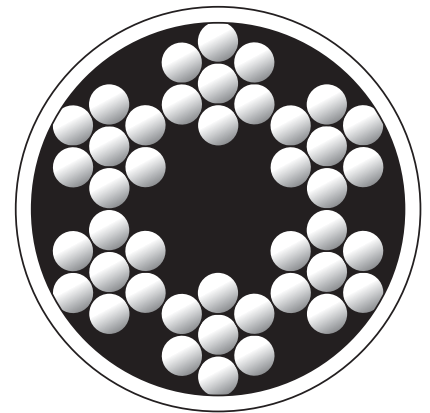


## Construction: PVC Clear Covered (Galvanised Steel)

2-3mm; 2.5-5mm; 3-5mm; 4-6mm; 6-8mm; 8-10mm

Code

WR02,0/PVC3  
WR02,5/PVC5  
WR03,0/PVC5  
WR04/PVC6  
WR06/PVC8  
WR08/PVC10

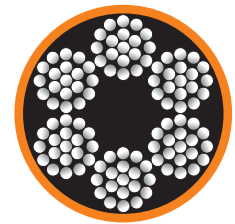
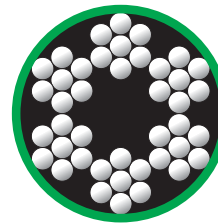
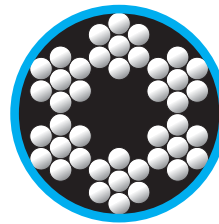
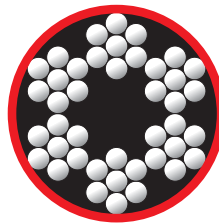
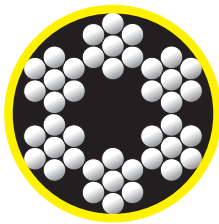


## Construction: PVC Transparent Colour Covered (Galvanised Steel)

2-3mm; 3-5mm; 4-6mm; 6-8mm; 8-10mm

Code

WR02,0/PVC3Y  
WR03,0/PVC5R  
WR04/PVC6B  
WR06/PVC8G  
WR08/PVC10O



**Ropes are supplied in any length with end fittings and terminations as required.**

**Lifting & Rigging**

## BURNCRETE WIRE ROPE SLINGS & FITTED ROPES

- Steel wire rope slings and fitted ropes are made to order in a variety of rope diameters, constructions and finishes
- Slings are made with soft eyes or thimble eyes, and end fittings may be specified
- Slings and fitted ropes range from 1.5mm to 56mm diameters and can be made with the following:
  - Fibre core or IWRC rope
  - Aluminium, steel or copper ferrules
  - Light duty, heavy duty (BS spec) or solid thimbles
  - Ungalvanised, galvanised or stainless steel rope



**Code:**  
SL *Rope diameter, construction and finish, eye (soft or thimble) and end fittings must be specified*

## BURNCRETE GRADE 80 & 100 CHAIN & FITTINGS

- Grade 80 & 100 chains and fittings are available as individual items or may be ordered as a chain sling. Chain slings are made with up to 4 legs, may be made adjustable and various fittings may be specified as desired
- The following fittings are available from 7mm to 32mm:
  - Master link (one leg and two legs) and sub assembly (three or four legs)
  - Chain connector
  - Sling hook (c/w safety latch) in clevis or eye type
  - Self-locking hook (trigger type) in clevis, swivel or eye type
  - Foundry hook in clevis or eye type
  - Cradle grab hook in clevis or eye type
  - Clevis type shackles
- All grade 80 & 100 chain and fittings are manufactured to meet the highest international safety standards and carry a 4:1 safety factor
- Grade 100 lifting chain is available from 7mm to 16mm diameters
- Grade 80 lifting chain is available from 7mm to 32mm diameters



**Code:**  
CF & GH

## BURNCRETE CHAIN - GRADE 30 & 43

- Grade 43 lashing and load binder chain is available in 7mm (1/4"), 10mm (3/8") and 13mm (1/2") diameters
- Grade 30 mild steel chain for general (non-lifting) and decorative purposes is offered in long link, short link and extra long link
- Short link chain is available from 6mm to 10mm diameters, self-colour and galvanised
- Long link chain is available in 3mm to 20mm diameters, self-colour and galvanised
- Extra long link chain is available in 7mm, 10mm and 16mm diameters, self-colour and galvanised
- These chains are not calibrated.
- Stainless steel chain for general purpose and rust problem applications are available in 3mm to 16mm diameters.



**Code:**  
CH

## BURNCRETE POLYESTER DUPLEX FLAT WEBBING SLING

- Technical specifications
  - Wide & flat load bearing surface
  - Complete with reinforced soft eyes
  - Capacity from 1t to 12t
  - Colour coded for easy identification of SWL
  - Manufactured to comply with EN 1492-1:2000 and SANS 94-1:2003
- **Safety Factor: 7:1**



**Code:**  
NSFD

## BURNCRETE POLYESTER WEBBING SLING ENDLESS TYPE

- Technical specifications
  - Colour coded for easy identification of SWL.
  - Manufactured to comply with EN 1492-2:2000 and SANS 94-2:2003.
- **Safety Factor: 7:1**



**Code:**  
NSRS

### Working Load Chart

		Straight	Choked	Basket
		1.0	0.8	2.0
WLL 1T	Violet	1.000	800	2.000
WLL 2T	Green	2.000	1.600	4.000
WLL 3T	Yellow	3.000	2.400	6.000
WLL 4T	Grey	4.000	3.200	8.000
WLL 5T	Red	5.000	4.000	10.000
WLL 6T	Brown	6.000	4.800	12.000

COLOUR CODED ACCORDING TO EN 1492-1

## BURNCRETE FITOP ELECTRIC HOISTS

- FITOP electric chain hoists are heavy duty units suitable for tough South African conditions
- Manufactured in accordance with ISO 9002 certified quality system standards
- SPECIAL FEATURES:
  - High duty cycle, 360 starts per hour standard
  - High output motors
  - Ideal lifting speeds
  - True modular design
  - Grade 80 alloy load chain, 6:1 safety factor
  - Unique D.C. brake design does not break the kinetic bond between the holding brake and the lifted load
  - Manual release mechanism on brake in case of power failure
  - Overload protection via advanced external slip clutch
- FITOP electric chain hoists are available from 1/2 ton to 5 ton
- All sizes are available in single or dual speed using either 380V or 525V
- A full range of spare parts is also available for all capacities



Code:

FICU

## BURNCRETE DUKE ELECTRIC HOISTS

- Duke electric chain hoists and builders hoists are lightweight and compact units, suitable for commercial and private applications
- Manufactured in accordance with ISO 9002 certified quality system standards
- SPECIAL FEATURES - HOIST:
  - Uses 220V Single Phase
  - Built-in overload prevention device
  - Double brake system
  - Designed for weather and dust protection
  - Grade 80 alloy load chain, 6:1 safety factor
- SPECIAL FEATURES - WINCH:
  - Uses 220V Single Phase
  - Plug-in connections for maximum portability and ease of mounting
  - Built-in limit switch to prevent over-winding
  - Complete with 360° universal joint saddle hook
- Duke electric chain hoists are available in 500Kg or 1 000Kg capacities
- Duke builders hoists are available in 250Kg capacity



Code:

DU

## BURNCRETE ROLACRAWLS

- Rolacrawl crawls are quick adjusting trolleys, with wide beam capacity. They use a screw-adjusting load bar for securing and adjusting the side plates.



Capacity	Geared Beam		Plain Beam	
	Code (3 Metre Lift)	width (mm)	Code	width (mm)
1/2 ton	-	n/a	CRRP005	50 - 220
1 ton	CRRG010/3M	58 - 220	CRRP010	58 - 220
2 ton	CRRG020/3M	66 - 220	CRRP020	66 - 220
3 ton	CRRG030/3M	74 - 220	CRRP030	74 - 220
5 ton	CRRG050/3M	90 - 220	CRRP050	90 - 220

## BURNCRETE CHAIN BLOCKS - ILULA

- Ilula Chain Blocks are of lightweight but robust construction, manufactured in accordance with ISO 9002 certified quality system standards
- Compliant with EC Council Directive 89/37/EC Machinery, ASME B30, AS1418.2
- SPECIAL FEATURES:
  - Extra-thick asbestos free friction plates
  - Double pawl braking system
  - Lipped hooks, providing extra safety
  - Double cover protection on brake side
  - Galvanized hand chain

CODE	Capacity	Standard Lift
ICC005-3M	500kg	3m
ICC010-3M	1000kg	3m
ICC015-3M	1500kg	3m
ICC020-3M	2000kg	3m
ICC030-3M	3000kg	3m
ICC050-3M	5000kg	3m
ICC100-3M	10000kg	3m
ICC200-3M	20000kg	3m



- Ilula Chain Blocks are available from 1/2 ton to 20 ton
- All units are supplied complete with chain fitted to order
- Each unit is proof-loaded prior to supply
- A full range of spare parts is available

## BURNCRETE LEVER BLOCKS - ILULA

- Ilula Lever Blocks are of lightweight but robust construction, manufactured in accordance with ISO 9002 certified quality system standards
- Compliant with EC Council Directive 89/37/EC Machinery, ASME B30, AS1418.2
- SPECIAL FEATURES:
  - Extra-thick asbestos-free friction plates
  - Double pawl braking system
  - Lipped hooks, providing extra safety
  - Time-saving rapid free-wheeling system
  - Unique holding system, ensuring that chain cannot free-wheel under load in the event of neutral being accidentally engaged
- Ilula Lever Blocks are available from 3/4 ton to 9 ton, with load chain as required
- A full range of spare parts is available for all sizes

CODE	Capacity	Standard Pull
ILC025-1,5M	250kg	1,5m
ILC075-3M	750kg	3m
ILC150-3M	1500kg	3m
ILC300-3M	3000kg	3m
ILC600-3M	6000kg	3m
ILC900-3M	9000kg	3m



## BURNCRETE MAXI-GRABS

- Maxigrab horizontal plate grabs are sold in pairs
- Light and compact medium duty grabs designed for handling of single sheets



Horizontal

CODE	Capacity	Jaw opening (mm)
MGH01500	1,5 ton (per pair)	0 - 20
MGH03000	3 ton (per pair)	0 - 45
MGH04000	4 ton (per pair)	0 - 45
MGH05000	5 ton (per pair)	0 - 50
MGH08000	8 ton (per pair)	0 - 85

## BURNCRETE MAXI-GRABS

- Maxigrab vertical plate grabs are pull-ring opening medium duty grabs that are lightweight and compact



Vertical

CODE	Capacity	Jaw opening (mm)
MGV1000	1 ton	0 - 22
MGV2000	2 ton	0 - 30
MGV3000	3 ton	0 - 35
MGV5000	5 ton	5 - 45
MGV8000	8 ton	5 - 55

## BURNCRETE MAXI-GRABS

- Maxigrab universal plate grabs are designed for lifting steel plates in both horizontal and vertical positions



Universal

CODE	Capacity	Jaw opening (mm)
MGU1000	1 ton	0 - 20
MGU2000	2 ton	0 - 25
MGU3000	3 ton	0 - 30
MGU5000	5 ton	0 - 50
MGU8000	8 ton	0 - 45

# BURNCRETE MAXIWINCH WIRE ROPE WINCHES

- 1 Built-in shearing pin**  
Prevents overloading. It functions at approx. 25% overload and the pins can be replaced without removing the load.
- 2 Backward & Forward levers**  
Placed in tandem providing a slim design and assuring power transfer along the centre.
- 3 Spare shear pins**  
Two pieces of spare shear pins located in the carrying handle.
- 4 Rope clamp system**  
Easily disengaged with a lever allowing smooth installation of wire rope.
- 5 High strength cast aluminium alloy body**  
Lightweight, simple to operate. Smooth contour design for large, flat bottom surface for increased stability in horizontal as well as vertical working position.

The Maxiwinch wire rope winch is a light and compact aluminium bodied winch suitable for pulling, lifting, tensioning and releasing in any direction. Maxiwinches are available in the following capacities, with rope lengths made to order:



Maxiwinch Unit		Maxiwinch Rope	
Code	Capacity	Code	Diameter
MWU08	800kg	MWR08/20	8mm
MWU16	1600kg	MWR16/20	11mm
MWU32	3200kg	MWR32/20	16mm
MWU54	5400kg	MWR54/20	20mm

# BURNCRETE SHACKLES

- Federal specification RR-C-271b shackles recommended for lifting are available in screw pin (used mainly for non-permanent applications) or safety type bolt, nut and split-pin ("BNS") (used for long-term applications)
- Both types are galvanised and available in bow or dee shape



Capacity (short tons)	Screw pin Bow	Screw pin Dee	BNS Bow	BNS Dee
0.50	SH06X08B	SH06X08D	-	-
.75	SH08X10B	SH08X10D	-	-
1	SH10X11B	SH10X11D	SHBNS10X11B	SHBNS10X11D
1.5	SH11X13B	SH11X13D	SHBNS11X13B	SHBNS11X13D
2	SH13X16B	SH13X16D	SHBNS13X16B	SHBNS13X16D
3.25	SH16X20B	SH16X20D	SHBNS16X20B	SHBNS16X20D
4.75	SH20X22B	SH20X22D	SHBNS20X22B	SHBNS20X22D
6.5	SH22X25B	SH22X25D	SHBNS22X25B	SHBNS22X25D
8.5	SH25X28B	SH25X28D	SHBNS25X28B	SHBNS25X28D
9.5	SH28X32B	SH28X32D	SHBNS28X32B	SHBNS28X32D
12	SH32X35B	SH32X35D	SHBNS32X35B	SHBNS32X35D
13.5	SH35X38B	SH35X38D	SHBNS35X38B	SHBNS35X38D
17	SH38X42B	SH38X42D	SHBNS38X42B	SHBNS38X42D
25	SH44X51B	SH44X51D	SHBNS44X51B	SHBNS44X51D
35	SH50X56B	SH50X56D	SHBNS50X56B	SHBNS50X56D
55	SH65X70B	SH65X70D	SHBNS65X70B	SHBNS65X70D
85	-	-	SHBNS76X85B	SHBNS76X85D
120	-	-	SHBNS89X95B	SHBNS89X95D
150	-	-	SHBNSB102X108	-

