RIZE

The Specifics

The range consists of a range of wire reels and clips with a choice of Safe Working Loads:

- G 10kg SWL
- S 50kg SWL
- Y 120kg SWL
- P 230kg SWL
- N 500kg SWL

The Applications

- Wrap around applications
- Suitable for use with a wide range of fixing brackets including: UNI1, UNI2, UNI3, CLA1, MA6810, T920514
- Cold Room Ceilings
- Trapeze Brackets
- Available with stainless steel wire for specialist applications

The Technical Information

- Key free release system
- No pre-site visits required
- Ideal for long drop lengths
- Any spare material can be used on following projects
- Only wire cutter required
- Can be used as a wrap around application and with a wide range of brackets.
- Wire supplied in dispensing box - avoiding risk of wire bird nesting

Zip-clips are also available in a lockable version offering a tamper proof installation.

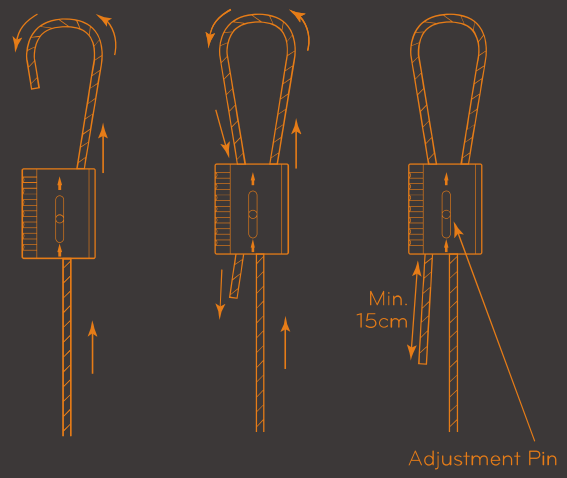
The Installation:

- Unscrew the M4 locking nut and bolt until the adjustment pi is pushed back fully.
- Pass one end of the wire through the zip-clip in the direction of the arrow and draw enough wire to around your fixing point.
- Pass the wire back through the zip-clip leaving at least 15cm of wire protruding.
- Tighten the M4 locking nut and bolt until the adjustment can no longer be moved

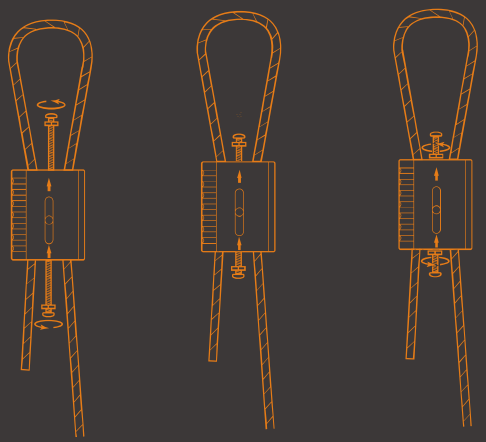
The Installation

- Cut wire to desired length for the drop required
- Pass one end of the wire through the zip-clip in the direction of the arrow and draw through enough wire to go around your fixing point
- Pass the wire end back through the zip-clip leaving at least 15cm of free wire protruding
- At the other end again pass the wire through the zip-clip in the direction of the arrow
- Pass the free end of wire around your suspension or through your fixing and back through the zip-clip leaving 15cm of wire protruding.
- Always confirm engagement of the zip-clip on the wire by pushing the pin in the opposite direction to the arrows indicated

Standard Clip



Lockable Clip



THE RANGE

The range consists of wire reels and zip-clips with a choice of Safe Working Loads (SWL).

RIZE

PRODUCT CODE	DESCRIPTION	SWL	PACK QTY.
KL50	Rize KL50 10kg SWL	10kg	10
R200G	200 Mtr G wire reel in dispenser box	10kg	1
R100G/SS	100 Mtr Stainless Steel AISI 316 G Wire Reel	8kg	1
R200G/SS	200 Mtr Stainless Steel AISI 316 G Wire Reel	8kg	1
KL100	Rize KL100 50kg SWL	50kg	10
R100S	100 Mtr S wire reel in dispenser box	50kg	1
R200S	200 Mtr S wire reel in dispenser box	50kg	1
R500S	500 Mtr S Wire Reel	50kg	1
R100S/SS	100 Mtr Stainless Steel AISI 316 S Wire Reel	45kg	1
KL150	Rize KL150 120kg SWL	120kg	10
R100Y	100 Mtr Y Wire Reel	120kg	1
R100Y/SS	100 Mtr Stainless Steel AISI 316 Y Wire Reel	100kg	1
KL200	Rize KL200 230kg SWL	230kg	10
R100P	100 Mtr P Wire Reel	230kg	1
R100P/SS	100 Mtr Stainless Steel AISI 316 P Wire Reel	200kg	1
KL600	Rize KL600 500kg SWL	500kg	10
R100N	100 mtr N wire reel	500kg	1
KL100LOK	Rize KL100 50kg SWL Lockable	50kg	10
KL150LOK	Rize KL150 120kg SWL Lockable	120kg	10
KL200LOK	Rize KL200 230kg SWL Lockable	230kg	10
KL600LOK	Rize KL600 500kg SWL Lockable	500kg	10

KL100

KL150

KL200

KL600

KL100LOK

KL150LOK

KL200LOK

KL600LOK

KL LOCKING DEVICE- TECHNICAL DETAIL

The Zip Clip range of locking devices are a single piece outer housing manufactured from Zamac 5 through a die casting process. This gives consistent manufacturing quality, superior strength & hardness capability and anti-corrosion properties.

Zamac 5 is utilised where higher tensile strengths and hardness are desired or where maximum castability is required.

PHYSICAL PROPERTIES	
Density	6.700 kg/m² at 21°C
Solidification Shrinkage	1.17 %
Casting Shrinkage	0.6 % (pressure die cast)
Freezing Range	-381 to -387°C
Melting Point	400 to 420°C
Specific Heat Capacity	418.7 J/kg/°C at 20 to 100°C
Thermal Expansion	27 x 10 (-6) linear per °C at 20 to 100 °C
Thermal Conductivity	108.9 W/m/hr/m²/°C at 70 to 140°C
Electrical Conductivity	26 % IACS
Electrical Resistivity	6.5359 um ohm om at 20°C

MECHNICAL PROPERTIES		
	AS CAST	AGED
Tensile Strength (MPa)	328	26900.0%
Shear Strength (MPa)	262	
Elongation (% in 51mm)	7	1 3
Hardness (Brinell - 500kg)	91	8 0
Impact Strength (Energy, Joules)	6 5	. 1
	84.2	

TYPICAL ANALYSIS	
ALLOYING ELEMENTS	
Aluminium	4 %
Copper	1 %
IMPURITIES	
Iron	< 0.01 %
Lead	< 0.003 %
Cadmium	0.003 % Tin
	< 0.001 %
Silicon	< 0.01 %

NATIONAL STANDARDS

Europe EN1774 ZL0410 - USA ASTM B86 AC4A - Japan JIS H2201 (Class 1) - Australia AS 1881 - R301 (ZnA14Cu1)

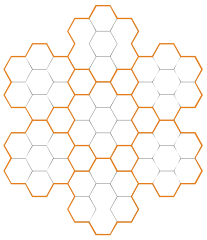
STEEL WIRE ROPE:

Zip Clip provide a higher grade of steel wire rope in order to deliver high performance when used in conjunction with a Zip Clip wire locking device. The higher grade delivers optimum hardness qualities which gives higher safe working loads.

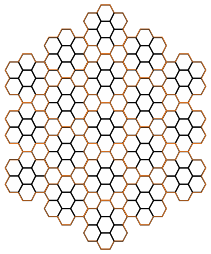
CONSTRUCTION

Zip Clip produce two varieties of wire rope depending on the wire code.

The specification of the wire meets industry requirements and is manufactured in accordance with BSEN12385.



7 x 7 wire braids



7 x 19 wire braids

Independent Wire Rope Cores (IWRC)

WIRE CODE	ZINC COATING
G	8g/mm²
S	14g/mm²
Y	16g/mm²
P	18g/mm²
N	10g/m²

	CHEMICAL COMPOSITION %
C	0.59
Si	0.19
Mn	0.53
P	0.012
S	0.011
Cr	0.03
Ni	0.03

GALVANISED WIRE

WIRE CODE	MBL OF WIRE ROPE	CONSTRUCTION	TENSILE STRENGTH
G	78kg	7x7 (6/1) RHRL	1960N/mm²
S	290kg	7x7 (6/1) RHRL	1960N/mm²
Y	645kg	7x7 (6/1) RHRL	1960N/mm²
P	1240kg	7x19 (6/1) RHRL	1960N/mm²
N	2804kg	7x19 (6/1) RHRL	1960N/mm²

ANGULAR PERFORMANCE

The table below shows the effect on the Safe Working Load when working at an angle from the vertical when using the professional choice range.

WIRE CODE	VERTICAL	15°	30°	45°	60°
G	10kg	9.6kg	8.6kg	7.0kg	5.0kg
S	50kg	48.0kg	43.0kg	35.0kg	25.0kg
Y	120.0kg	115.2kg	103.2kg	84.0kg	60.0kg
P	230kg	220.8kg	197.8kg	161.0kg	115.0kg
LOAD	100%	96%	86%	70%	50%