


## THE FREEDOM TO UNIVERSALLY SUSPEND WITHOUT THE WASTAGE

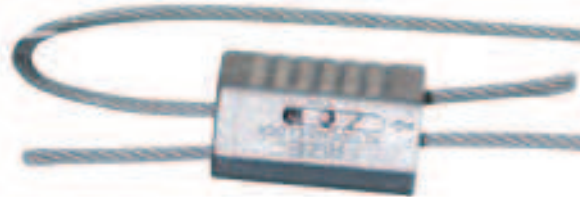


The range consists of a range of wire reels and clips with a choice of Safe Working

Load:

- G 10kg
- S 60kg
- R 75kg
- Y 120kg
- P 230kg

Unique design allows this type of application – one continuous loop 

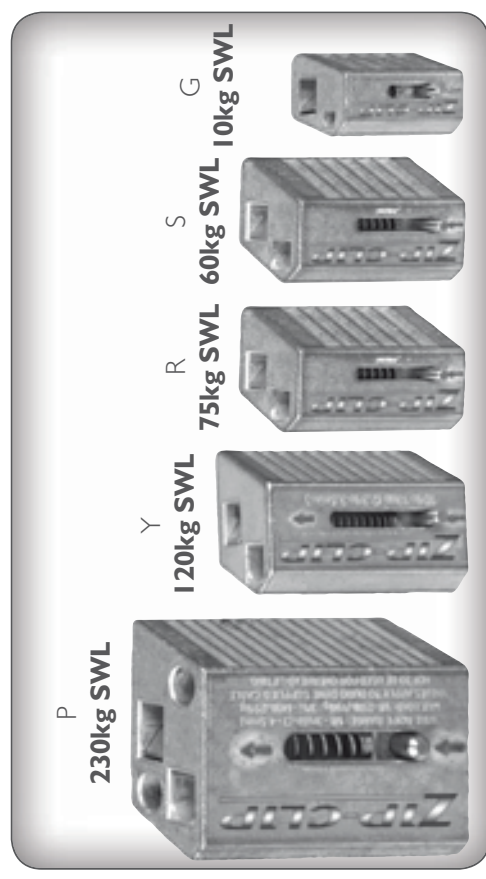


- No pre-site visits required
- Any spare material can be used on following projects
- Only wire cutter required
- Can be used as a wrap around application and with a wide range of brackets
- Key free release system

## APPLICATION

- Wrap around applications
- Suitable for use with a wide range of fixing brackets including: UN11, UNI2, CLAI, MA68 I0, T9205 I4
- Available with stainless steel wire for food and chlorinated environments

 For full technical details on clip and wire please see pages I4 and I5.



## 10kg SWL

PRODUCT CODE	DESCRIPTION	SAFE WORKING LOAD
KL50	Rize 0-10kg SWL 5:1 SF	10kg SWL
R200G	200 Metres 10kg SWL G Reel	10kg SWL

## 60kg SWL

KL100	Rize 10-75kg SWL 5:1 SF	60kg SWL
R100S	100 Metres 60kg SWL S Reel	60kg SWL
R200S	200 Metres 60kg SWL S Reel	60kg SWL
R500S	500 Metres 60kg SWL S Reel	60kg SWL

## 75kg SWL

R100R	100 Metres 75kg SWL R Reel	75kg SWL
R200R	200 Metres 75kg SWL R Reel	75kg SWL

## 120kg SWL

KL150	Rize 75-120kg SWL 5:1 SF	120kg SWL
R100Y	100 Metres 120kg SWL Y Reel	120kg SWL

## 230kg SWL

KL200	Rize 120-230kg SWL 5:1 SF	230kg SWL
R100P	100 Metres 230kg SWL P Reel	230kg SWL

## Stainless Steel Range AISI 316

PRODUCT CODE	DESCRIPTION	SAFE WORKING LOAD
R100G/SS	100 Metres 10kg SWL G Stainless Steel AISI 316	10kg SWL
R100S/SS	100 Metres 45kg SWL S Stainless Steel AISI 316	45kg SWL
R100R/SS	100 Metres 60kg SWL R Stainless Steel AISI 316	60kg SWL
R100Y/SS	100 Metres 100kg SWL Y Stainless Steel AISI 316	100kg SWL
R100P/SS	100 Metres 200kg SWL P Stainless Steel AISI 316	200kg SWL

## INSTALLATION METHOD

### KL50, KL100 & KL150

- Cut wire to desired length for the drop required
- Pass one end of the wire through the clip in the direction of the arrow and draw enough wire to go around your fixing point
- Pass the wire end back through the clip drawing through at least 6cm of free end
- At the other end again pass the wire through the clip in the direction of the arrow
- Pass the free end of wire around your suspension or through your fixing and back through the clip.



### KL200

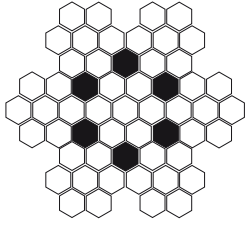
A suspension using two KL200's can be made as above. Instructions for making a suspension using one clip are as below:

- Thread the wire rope into the "through hole" in the KL200 and then around your fixing or anchor point
- Pass the wire end now through the locking channel in the KL200 pull through 15cm of free wire
- Pass the other end of wire rope through your bracket or around your suspension and back through locking channel again allowing 15cm of free wire through the clip.



## WIRE

The high tensile wire we supply is galvanised and manufactured to the highest standards incorporating a 7x7 construction, meeting the BSEN 12385 standard.



Rize Code	MBL of Wire Rope	Construction	Tensile Strength
G	78 KG	7X7 (6/1) RHRL	1960 N/mm <sup>2</sup>
S	290 KG	7X7 (6/1) RHRL	1960 N/mm <sup>2</sup>
R	400KG	7X7 (6/1) RHRL	1960 N/mm <sup>2</sup>
Y	645 KG	7X7 (6/1) RHRL	1960 N/mm <sup>2</sup>
P	1240KG	7X7 (6/1) RHRL	1960 N/mm <sup>2</sup>

BSMA 29/1983 standard, also meeting the AISI 316 requirements.

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

Colour 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
S	60kg	57.6kg	51.6kg	42.0kg	30.0kg
R	75kg	72kg	64.5kg	52.5kg	37.5kg
Y	120kg	115.2kg	103.2kg	84.0kg	60.0kg
P	230kg	220.8kg	197.8kg	161.0kg	115.0kg
LOAD	100%	96%	86%	70%	50%

## CLIP

PHYSICAL PROPERTIES	
Density	6,700kg/m <sup>3</sup> at 21°C
Solidification shrinkage	1.17%
Casting shrinkage	0.6% (pressure diecasts)
Freezing range	-381 to -387°C
Melting point	400-420°C
Specific heat capacity	418.1 J/kg°C at 20-100°C
Thermal expansion	27 10 (-6) linear per °C at 20-100°C
Thermal conductivity	108.9 W/m/hr/m <sup>2</sup> /°C at 70 - 140°C
Electrical conductivity	26% IACS
Electrical resistivity	6.5359 um ohm cm at 20°C
MECHANICAL PROPERTIES	
	As cast      Aged
Tensile strength (MPa)	328            269
Shear strength (MPa)	262            -
Elongation (% in 51mm)	7                13
Hardness (Brinell - 500kg)	91              80
Impact strength (Energy, Joules)	65.1           54.2
Fatigue strength 5x10 cycles (MPa)	56.5            -
TYPICAL ANALYSIS - ALLOYING ELEMENTS	
Aluminium	4%
Copper	1%
Magnesium	0.05%
TYPICAL ANALYSIS - IMPURITIES	
Iron	<0.01%
Lead	<0.003%
Cadmium	0.003%
Tin	<0.001%
Nickel	<0.001%
Silicon	<0.01%