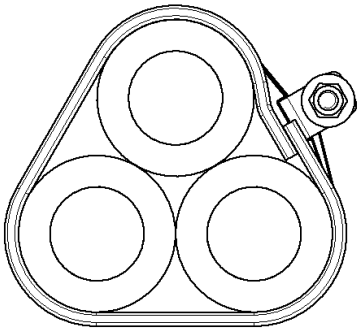
ELLIS
Holding Power

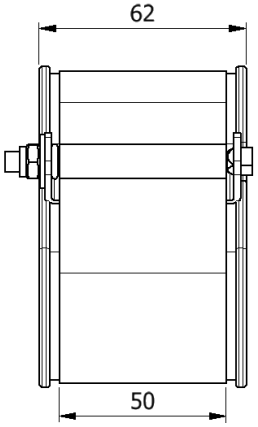
DATA SHEET

FLEXI-STRAP

- 316L STAINLESS STEEL FRAME AND FIXINGS
- OPTIONAL SOFT LSF POLYMERIC LINER PROTECTS CABLE SHEATH
- HEAVY DUTY AND STANDARD DUTY OPTIONS AVAILABLE TO SUIT DIFFERENT SHORT CIRCUIT CONDITIONS
- SHORT CIRCUIT AND MECHANICALLY TESTED TO IEC 61914
- STRAPS CAN BE USED BETWEEN CLEATS TO REDUCE THE TOTAL AMOUNT OF FIXED CLEATS WHILST ENSURING ADEQUATE SHORT CIRCUIT PROTECTION

Patent No. UK Patent GB 252 6331





STANDARD DUTY
SUITABLE FOR USE WITH VULCAN+ CLEATS

PART NO.	CABLE RANGE		WEIGHT (g)
	MIN Ø (mm)	MAX Ø (mm)	
FS24-34SDL	24	34	190
FS30-41SDL	30	41	195
FS37-47SDL	37	47	224
FS43-54SDL	43	54	260
FS50-60SDL	50	60	273
FS56-67SDL	56	67	303
FS63-73SDL	63	73	324
FS69-80SDL	69	80	347
FS72-85SDL	72	85	364
FS82-95SDL	82	95	398
FS92-105SDL	92	105	431
FS102-115SDL	102	115	452
FS112-125SDL	112	125	499
FS122-135SDL	122	135	532
FS132-145SDL	132	145	550

HEAVY DUTY
SUITABLE FOR USE WITH EMPEROR CLEATS

PART NO.	CABLE RANGE		WEIGHT (g)
	MIN Ø (mm)	MAX Ø (mm)	
FS24-34HDL	24	34	219
FS30-41HDL	30	41	243
FS37-47HDL	37	47	268
FS43-54HDL	43	54	313
FS50-60HDL	50	60	344
FS56-67HDL	56	67	353
FS63-73HDL	63	73	391
FS69-80HDL	69	80	433
FS72-85HDL	72	85	438
FS82-95HDL	82	95	483
FS92-105HDL	92	105	523
FS102-115HDL	102	115	568
FS112-125HDL	112	125	633
FS122-135HDL	122	135	675
FS132-145HDL	132	145	719

Flexi-Strap is available with or without a polymeric liner. If a liner is not required remove 'L' from the part number (e.g. FS30-41SD).

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FLEXI-STRAP

TESTING SUMMARY

Flexi-Straps have been tested in line with the International Standard 'Cable Cleats for Electrical Installations' IEC 61914:2015. Typical results are detailed below, please note that these testing values are maximums and safety factors appropriate to your application should be used:

PROPERTY	CLASSIFICATION CLAUSE IEC 61914	UNITS / CLASSIFICATION	TEST DATA (STANDARD DUTY)	TEST DATA (HEAVY DUTY)
CLEAT TYPE	6.1.3	COMPOSITE	N/A	N/A
TEMP. FOR PERMANENT APPLICATION	6.2	°C	-40 - 60	-40 - 60
CORROSION RESISTANCE	6.5.2.2	HIGH	316L STAINLESS STEEL HAS≥16% CHROMIUM	316L STAINLESS STEEL HAS≥16% CHROMIUM
IMPACT RATING	6.3.5	VERY HEAVY	PASS	PASS
FLAME PROPAGATION TEST	10.0, 10.1	APPLICATION TIME ≥30s	PASS	PASS
RESISTANCE TO ELECTROMECHANICAL FORCE (SHORT CIRCUIT TESTING)	6.4, 6.4.4, 9.5	CLEATS AT 300MM INTERVALS (WITHSTANDING ONE SHORT CIRCUIT)	134kA (REPORT No. PDL-18.122.3) CABLE OD= ϕ36mm	-
RESISTANCE TO ELECTROMECHANICAL FORCE (SHORT CIRCUIT TESTING)	6.4, 6.4.5, 9.5	CLEATS AT 600MM INTERVALS (WITHSTANDING MORE THAN ONE SHORT CIRCUIT)	114kA (REPORT No. PDL-18.122.4) CABLE OD= ϕ36mm	156kA (REPORT No. ZKU-15-204) CABLE OD= ϕ38mm (IEC 61914:2009)

INSTALLATION INFORMATION:

Flexi-Strap is installed by wrapping multiple layers of stainless steel strip around the cable. It is tightened and locked in place using a patented buckle and spindle design. Standard duty straps are wrapped twice around the cables and heavy duty straps are wrapped three times. For more information please refer to the product installation instructions or alternatively the videos section of our website.

A special drive socket to turn the spindle is supplied with every 50 straps ordered, the socket can attach to a standard 1/4" or 6mm ratchet handle. Drive sockets can be ordered seperatley using the part number FS-T001-4. Although the FS-T001-4 can speed up installation, standard tools also can be used.