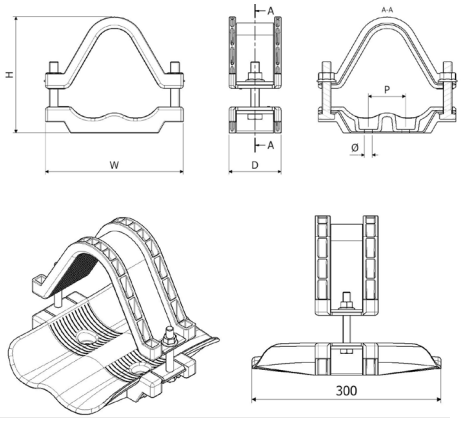
ELLIS
Holding Power

DATA SHEET

COLOSSUS

- 316L STAINLESS STEEL FRAME AND FIXINGS
- LSF POLYMERIC BASE AND TOP MOULDING PROTECTS THE CABLE SHEATH
- OPTIONAL SADDLED BASE AVAILABLE FOR LARGE CLEAT SPACING APPLICATIONS
- COLOSSUS RANGE CAN ACCOMMODATE TREFOIL CABLES FROM ϕ60MM TO ϕ170MM ACROSS 7 SIZES
- SHORT CIRCUIT AND MECHANICALLY TESTED TO IEC 61914

Community Design Reg. No. 001927583



PART NO.	CABLE RANGE		DIMENSIONS (mm)					WEIGHT (g)
	MIN ϕ	MAX ϕ	W	H	D	P	ϕ FIXING HOLES	
COL60-72	60	72	204	176	70	50	2 x M10	1063
COL69-83	69	83	225	202	100	75	2 x M12	1590
COL79-95	79	95	247	225	100	75	2 x M12	1700
COL91-109	91	109	273	253	100	120	2 x M12	1900
COL105-126	105	126	306	286	150	120	2 x M12	3030
COL122-146	122	146	345	324	150	150	2 x M12	3270
COL142-170	142	170	390	371	150	150	2 x M12	3680
SADDLED COLOSSUS CLEAT								
COL60-72SC	60	72	207	176	300	50	2 X M12	1435
COL69-83SC	69	83	225	202	300	75	2 X M12	2532
COL79-95SC	79	95	247	225	300	75	2 X M12	2726
COL91-109SC	91	109	273	253	300	120	2 X M12	2995
COL105-126SC	105	126	306	286	300	120	2 X M12	4108
COL122-146SC	122	146	345	324	300	150	2 X M12	4562

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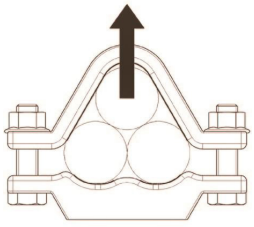
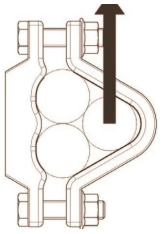
TESTING SUMMARY

Colossus Cleats have been tested in line with the International Standard 'Cable Cleats for Electrical Installations' IEC 61914:2021. 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
CLEAT TYPE	6.1.3	COMPOSITE	-
TEMP. FOR PERMANENT APPLICATION	6.2	°C	-40 - 60
CORROSION RESISTANCE	6.5.2.2	HIGH	316L STAINLESS STEEL HAS≥16% CHROMIUM
IMPACT RATING	6.3.5	VERY HEAVY	PASS
FLAME PROPAGATION TEST	10.0, 10.1	APPLICATION TIME ≥30s	PASS
AXIAL LOAD RATING	6.4.3, 9.4	NEWTONS (N)	100N
LATERAL LOAD RATING	6.4.2, 9.3	NEWTONS (N)	HORIZONTAL - 500N VERTICAL - 1000N
RESISTANCE TO ELECTROMECHANICAL FORCE (SHORT CIRCUIT TESTING)	6.4, 6.4.4, 9.5	CLEATS AT 300MM INTERVALS (WITHSTANDING ONE SHORT CIRCUIT)	170kA (REPORT No. PDL-18.122) 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)	150kA (REPORT No. PDL-16.164.2) CABLE OD= ϕ36mm
RESISTANCE TO ELECTROMECHANICAL FORCE (SHORT CIRCUIT TESTING)	6.4, 6.4.5, 9.5	CLEATS AT 7.8M INTERVALS (WITHSTANDING MORE THAN ONE SHORT CIRCUIT)	104kA (REPORT No. ZKU-12-179) CABLE OD= ϕ70mm (WITH PROTECT STRAPS EVERY 1.3m - BASED ON IEC61914:2009)



LATERAL LOAD 'VERTICAL' DIRECTION



LATERAL LOAD 'HORIZONTAL DIRECTION'

This data sheet is subject to change without notice. The information provided has been generated in laboratory conditions, as such results in use may vary.