

# QUAD INTERMEDIATE RESTRAINT (QHDSS-IR)

The QHDSS-IR is a metallic intermediate restraint which has been designed, constructed, and tested in accordance with the International Standard IEC 61914: Cable cleats for electrical installations, to assist CMP cable cleats in the securing and retention of cables, without sustaining damage to the cable(s).

Available for quad application/formation, the QHDSS-IR is fabricated from 316L stainless steel giving it high creep strength, whilst providing excellent corrosion resistance in the harshest of environments.

The product comes standard with polymer liners classified as Low Smoke and Fume Zero Halogen (LSFOH), Phosphorus-free. This helps to restrain the cable(s) and provides a layer of protection between the cable sheath and the cable cleat during normal operation, where thermal elongation of cables occur.

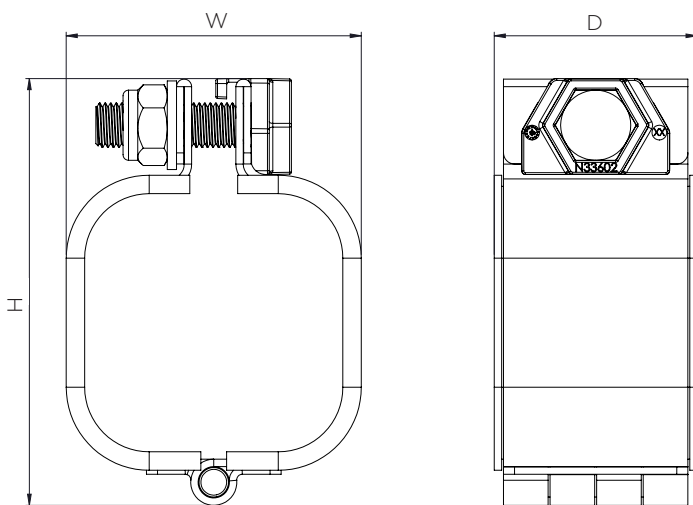
This intermediate restraint product also protects the cable from chafing on any mounting surface due to differential movements (such as those found in marine and offshore applications) and provides further protection to the cable in the event of short circuit fault conditions.

## FEATURES

- Third party certification to IEC 61914
- 316L stainless steel
- Operating temperature -60°C to +60°C
- Standard Polymer Liners are classified as Low Smoke and Fume Zero Halogen (LSFOH), Phosphorus-free

### SHORT CIRCUIT TESTING TO IEC 61914 - CLAUSE 9.5

QUAD FORMATION
One short circuit 600mm fixed centres with Mercury cable cleats
0.1 sec
171kA Peak
77.7kA r.m.s



### TECHNICAL DATA & CLASSIFICATION

PRODUCT CODE	QHDSS-IR
CODE DESCRIPTION	Heavy Duty Stainless steel
DESIGN SPECIFICATION	IEC 61914
CLEAT TYPE	6.1.3 Composite
TEMPERATURE RANGE	-60°C to +60°C
NEEDLE FLAME TEST	Pass - 120 second
LATERAL LOAD TEST	Refer to CMP Products
AXIAL LOAD TEST	Refer to CMP Products
IMPACT RESISTANCE	Pass - Very heavy
MATERIAL	316L Stainless Steel
LINER MATERIAL	LSF / LSOH Polymer
CABLE FORMATION	Quad

### SELECTION TABLE

QHDSSIR PART NO.	CABLE Ø RANGE TAKE (mm)	DIMENSIONS (mm)			WEIGHT (g)
		W	H	D	
QHDSSIR016020	16-20	57	85.7	55	366
QHDSSIR019023	19-23	60	91.7	55	378
QHDSSIR021027	21-27	64	99.7	55	405
QHDSSIR026031	26-31	70	107.7	55	426
QHDSSIR030034	30-34	78	113.7	55	444
QHDSSIR031035	31-35	80	115.7	55	451
QHDSSIR033037	33-37	84	119.7	55	461
QHDSSIR034038	34-38	86	121.7	55	467
QHDSSIR036040	36-40	90	125.7	55	480
QHDSSIR039043	39-43	96	131.7	55	498
QHDSSIR041045	41-45	100	135.7	55	510
QHDSSIR044047	44-47	104	139.7	55	523
QHDSSIR046051	46-51	112	147.7	55	554
QHDSSIR049053	49-53	116	151.7	55	570
QHDSSIR052056	52-56	122	157.7	55	587
QHDSSIR055059	55-59	128	163.7	55	603
QHDSSIR058062	58-62	134	169.7	55	621
QHDSSIR061065	61-65	140	175.7	55	639
QHDSSIR064068	64-68	146	181.7	55	671
QHDSSIR067071	67-71	152	187.7	55	687

Coatings are available upon request by adding the following suffixes to the ordering reference - EC for epoxy coating, PC for polyester coating and TC for thermoplastic coating. Example order reference for epoxy coating suffix EC (QHDSSIR034038EC)