

FIBRELIGN® Multi-Response Damper



Application: The FIBRELIGN® Multi Response Damper is specifically designed for use on ADSS and OPGW and on small diameter aluminium-based power conductors, to control wind induced aeolian vibration, particularly where the fibre optic cable is installed in high voltage environment, typically at 150kV and above.

Construction: In order to avoid the potentially damaging clamping stresses imposed by bolted clamps, the Multi Response Damper is installed using a neoprene lined 'hook' clamp which is mounted to the cable or conductor and secured using two PREFORMED™ helical rods.

Two unequal cast zinc weights are attached to a 19 strand galvanised steel messenger cable with aluminium collets, ensuring high pull-off loads and long term security of location. The messenger wire is manufactured using well established factory forming techniques, ensuring consistency of properties and performance like asymmetrical configuration of the FIBRELIGN® MRD ensures high damping performance over the aeolian vibration frequency range experienced by cable or conductor.

The FIBRELIGN® MRD is designed for use with FIBRELIGN® Termination and Suspension fittings.

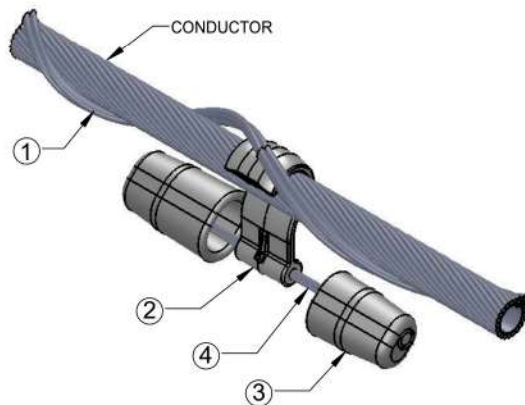
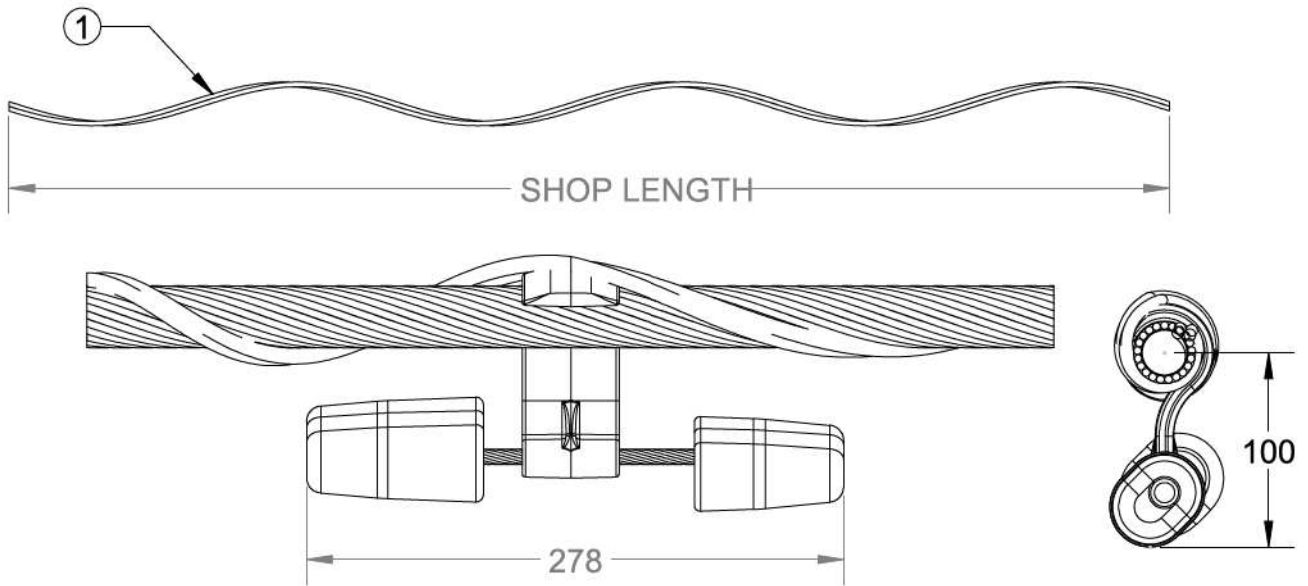
Ordering: To ensure that the correct size damper is supplied please supply cable type and diameter. If required, PLP can supply a positioning guide.

Details required are: Cable construction including diameter, mass per unit length, span length, and everyday tension.

Catalogue No.: MRSD

DAMPER CAT. NO.	ATTACHMENT ROD CAT. NO.	CONDUCTOR NAME	CONDUCTOR RANGE (mm)	COLOUR CODE	ATTACHMENT RODS		
					SHOP LENGTH (mm)	WIRE DIAMETER (mm)	MASS (kg)
MRSD	MRSDRD 390-413	Hazel, Rabbit, Fly	9.91 – 10.49	Yellow	432	6.35	1.5
	MRSDRD 414-436	Pine, Bluebottle, Mink	10.52 – 11.07	Red	470	6.35	1.5
	MRSDRD 437-463	Earwig	11.10 – 11.76	Blue	470	6.35	1.5
	MRSDRD 464-490	Willow, Raccoon	11.79 – 12.45	Green	486	6.35	1.5
	MRSDRD 491-521	Skunk	12.47 – 13.23	Orange	507	6.35	1.5
	MRSDRD 522-558	Oak, Dog, Hare	13.26 – 14.17	Brown	551	6.35	1.5
	MRSDRD 559-585	-	14.20 – 14.86	White	557	6.35	1.5
	MRSDRD 586-606	-	14.88 – 15.39	Blue	615	6.35	1.6
	MRSDRD 607-630	Mulberry	15.42 – 16.00	Orange	615	6.35	1.6
	MRSDRD 631-655	Hornet, Tiger	16.03 – 16.64	Red	685	6.35	1.6
	MRSDRD 656-679	-	16.66 – 17.25	Black	691	6.35	1.6
	MRSDRD 680-703	Ash	17.27 – 17.86	Yellow	669	6.35	1.6
	MRSDRD 704-739	Wolf	17.88 – 18.77	White	723	6.35	1.6
	MRSDRD 740-755	Elm, Chicadee	18.80 – 19.18	Red	739	6.35	1.6

FIBERLIGN® Multi-Response Damper



ITEM	DESCRIPTION	MATERIAL
1	Helical attachment rods	Aluminium
2	Hook with Neoprene pad	Aluminium and Neoprene
3	Weight	Zinc
4	Messenger Cable	HDG Steel Cable