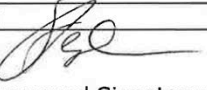


IFNZ LIGHT DUTY PIPE CLAMPS AON APPROVED FOR SPRINKLER SYSTEMS

CODE	DESCRIPTION	BOSS	NB	OD	MATERIAL	BOLTS	FINISH	DESIGN LOAD
MR015W10	15NB Light Duty Pipe Clamp AON	M10	15	21.3	22x2.5	M8 X 25	ZINC / HDG	8 kN
MR020W10	20NB Light Duty Pipe Clamp AON	M10	20	26.9	22x2.5	M8 X 25	ZINC / HDG	8 kN
MR025W10	25NB Light Duty Pipe Clamp AON	M10	25	33.7	22x2.5	M8 X 25	ZINC / HDG	8 kN
MR032W10	32NB Light Duty Pipe Clamp AON	M10	32	42.4	22x2.5	M8 X 25	ZINC / HDG	8 kN
MR040W10	40NB Light Duty Pipe Clamp AON	M10	40	48.3	22x2.5	M8 X 25	ZINC / HDG	8 kN
MR050W10	50NB Light Duty Pipe Clamp AON	M10	50	60.3	22x2.5	M8 X 25	ZINC / HDG	8 kN
MR065W10	65NB Light Duty Pipe Clamp AON	M10	65	76.1	22x2.5	M8 X 25	ZINC / HDG	9 kN
MR080W10	80NB Light Duty Pipe Clamp AON	M10	80	89.0	22x2.5	M8 X 25	ZINC / HDG	9 kN
MR100W10	100NB Light Duty Pipe Clamp AON	M10	100	114.3	22x3.0	M8 X 25	ZINC / HDG	9 kN
MR100W12	100NB Light Duty Pipe Clamp AON	M12	100	114.3	22x3.0	M8 X 25	ZINC / HDG	9 kN
MR125W12	125NB Light Duty Pipe Clamp AON	M12	125	139.7	25x3.0	M8 X 30	ZINC / HDG	9 kN
MR150W12	150NB Light Duty Pipe Clamp AON	M12	150	165.1	25x3.0	M8 X 30	ZINC / HDG	9 kN

** Design load safety factor of 2.0

10mm and 12mm Welded Boss Sprinkler System Equipment is all AON approved and complies with the seismic provisions of the Sprinkler Standard (NZS4541:2013 and NZS4515:2009).

LISTING CERTIFICATE – SPRINKLER SYSTEM EQUIPMENT	
As per section 114 of NZS 4541:2013 and NZS4515:2009 Appendix G	
This is to confirm that, on the basis of the information supplied in the application for listing of the equipment dated 19/09/2016 this organisation, as the nominated Sprinkler System Certifier considers that the appropriate requirements of NZS 4541:2013 and NZS4515:2009 have been adequately met with respect to the item described below, for use under the conditions set out on this certificate.	
Item: Pipe clamps	
For use as: Seismic bracing and pipe hangers	
Certificate number M64	Effective from 11/10/2016
Manufacturer / Supplier: Industrial Fittings (IFNZ)	
Make: Light duty pipe clamp	
Model: MR – M10 and M12 boss	
Reference information: Destructive testing by Chain & Rigging Supplies Ltd	
Range limitations 15mm – 100mm nb with M10 Boss 100mm – 150mm nb with M12mm boss	
Restrictions and warnings	
Maximum loads when used as a hanger	
15nb – 50nb rated for 815 kG before any factors of safety are applied.	
65nb – 150nb rated for 915 kG before any factors of safety are applied.	
Maximum loads when used as a brace	
15nb – 50 nb rated for 8.0 kN (Has a 2.0 factor of safety applied)	
65nb – 150 nb rated for 9.0 kN (Has a 2.0 factor of safety applied)	
Special conditions	
Loads are based on peak loads limits determined from destructive testing	
Signed 	Date 11.10.2016
Name IANZ Approved Signatory: Stephen Ridder	Designation Fire Protection Consultant