

BRACE INSTALLATION GUIDELINES



APPROVED

As per NZS 4541:2020

Aon File Reference: BB005a

Tested to:

ASCE/SEI 7-22

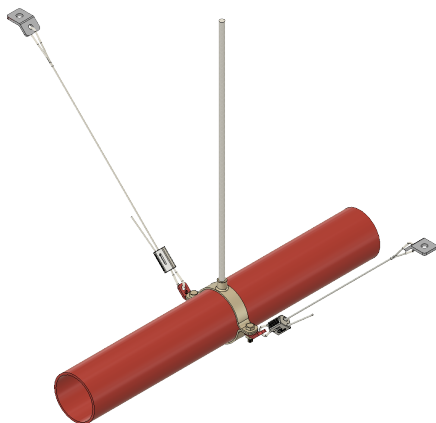
IEC/IEEE 60980-344:2020



Seismic brackets must be installed with IFNZ Munzing rings and bolts.

Systems available for: Ø25, Ø32, Ø40, Ø50, Ø65, Ø80, Ø100 sprinkler pipes.

TRANSVERSE



LONGITUDINAL

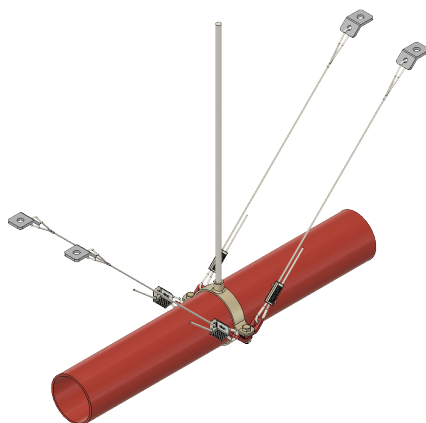


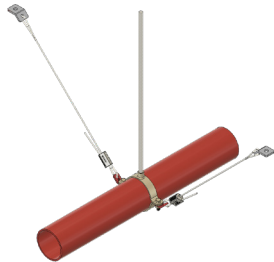
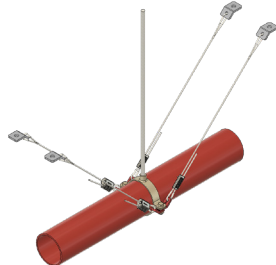
TABLE 1	FIXING CENTRES TRANSVERSE									
	MAXIMUM ALLOWABLE BRACE SPACING (M) Derived from NZS 4541:2020 (Table 4.11), adjusted for Zip-Clip Seismic Braces.									
Nominal pipe size Ø (mm)	Pipe Spacing Against Force Coefficient, C								Zip-Clip System	S & T Product Code
	0.3	0.5	1	1.5	2	2.5	3	3.6		
= <Ø50	9.4	8.8	7.7	6.8	6.1	5.1	4.2	3.5	SBS-S System	SBSS2 (2 m), SBSS5 (5 m) & SBSS8 (8 m)
Ø65	10.6	10	8.9	7.8	6.3	5.1	4.2	3.5	SBS-M System	SBSM2 (2 m) & SBSM5 (5 m)
Ø80	11.6	11	9.6	8.4	6.3	5.1	4.2	3.5	SBS-M System	SBSM2 (2 m) & SBSM5 (5 m)
Ø100	12	12	11.4	8.5	6.3	5.1	4.2	3.5	SBS-L System	SBSL2 (2 m) & SBSL5 (5 m)
NOTE: Cells highlighted in this colour deviate from the fixing centres set out in NZS 4541:2020 [Table 4.11]. These figures are calculated in conjunction with AON.										

TABLE 2	FIXING CENTRES LONGITUDINAL									
	MAXIMUM ALLOWABLE BRACE SPACING (M) Derived from NZS 4541:2020 (Table 4.11), adjusted for Zip-Clip Seismic Braces.									
Nominal pipe size Ø (mm)	Pipe Spacing Against Force Coefficient, C								Zip-Clip System	S & T Product Code
	0.3	0.5	1	1.5	2	2.5	3	3.6		
= <Ø50	18.8	17.6	15.4	13.6	12.2	10.2	8.4	7	SBS-S System	SBSS2 (2 m), SBSS5 (5 m) & SBSS8 (8 m)
Ø65	21.2	20	17.8	15.6	12.6	10.2	8.4	7	SBS-M System	SBSM2 (2 m) & SBSM5 (5 m)
Ø80	23.2	22	19.2	16.8	12.6	10.2	8.4	7	SBS-M System	SBSM2 (2 m) & SBSM5 (5 m)
Ø100	23.9	23.9	22.8	17	12.6	10.2	8.4	7	SBS-L System	SBSL2 (2 m) & SBSL5 (5 m)
NOTE: Fixing centres have been doubled due to the extra braces utilised when installing longitudinally.										