

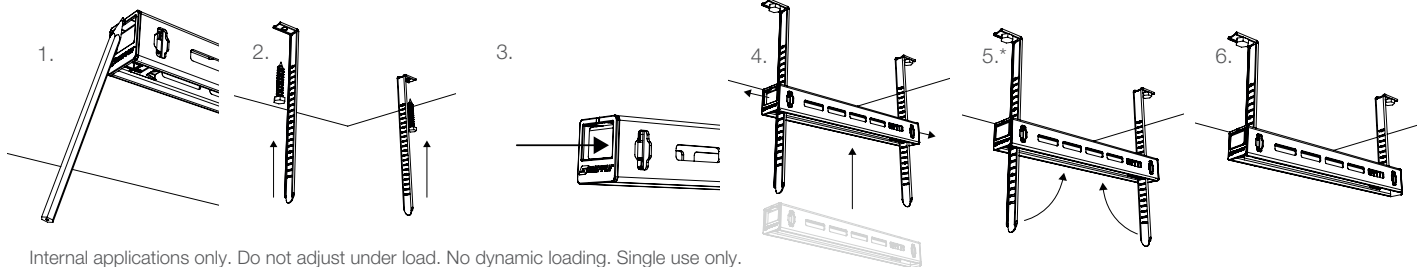
Pre-fabricated bracket solution offering speed, flexibility and efficient use of space, for the installation of electrical containment, pipework, ductwork and other mechanical services in restricted places.

FEATURES / BENEFITS

- **Quick** – up to six times faster to install than traditional suspension systems
- **Safe** – pre-fabricated system which removes the need to cut threaded rod or channel on-site
- **Tool free adjustment** – bracket can be moved up and down the tracks to accommodate changes in position during installation
- **Zero waste** – tracks bend neatly under bracket*
- **Versatile** – four-sided bracket provides suspension point on every face; ideal for installation of combined bracketry and multi-tiered configuration to accommodate additional services
- **Easy measurement** – indicators at each end of the bracket offer measurement guide when marking fixing points on the ceiling; M4 level markers on the tracks highlight 50 mm increments, no leveling tools required
- **Neat & tidy** – system can be 'stacked' on-site to reduce storage requirements



INSTALLATION & ADJUSTMENT

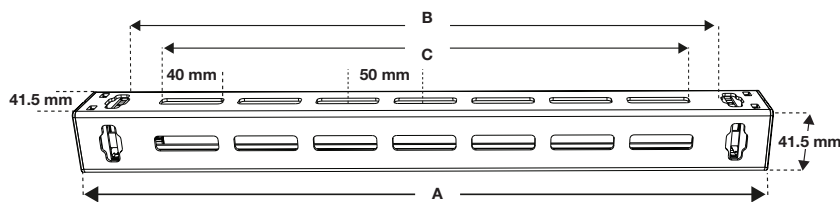


Internal applications only. Do not adjust under load. No dynamic loading. Single use only.

*Excess tracks can also be snapped off once bracket is levelled & secured for a neater finish. Bending tracks by hand is not recommended when excess is under 100 mm.

SPECIFICATION

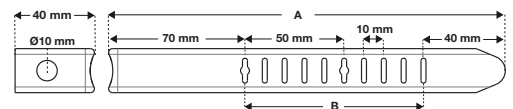
Bracket



Bracket	FTB-170	FTB-270	FTB-370	FTB-470	FTB-570	FTB-670	FTB-770
A (mm) Length	239	339	439	539	639	739	839
B (mm) Suspension Space	176	276	376	476	576	676	776
C (mm) Working Space	140	240	340	440	540	640	740
No. of Slots	3	5	7	9	11	13	15

Bracket	FTB-870	FTB-970	FTB-1070	FTB-1170	FTB-1270	FTB-1370	FTB-1470
A (mm) Length	939	1039	1139	1239	1339	1439	1539
B (mm) Suspension Space	876	976	1076	1176	1276	1376	1476
C (mm) Working Space	840	940	1040	1140	1240	1340	1440
No. of Slots	17	19	21	23	25	27	29

Track



Track	A (mm)	B (mm)
FTT-200	200	90
FTT-300	300	190
FTT-400	400	290
FTT-500	500	390
FTT-600	600	490
FTT-700	700	590
FTT-800	800	690
FTT-900	900	790
FTT-1000	1000	890
FTT-1100	1100	990
FTT-1200	1200	1090
FTT-1300	1300	1190
FTT-1400	1400	1290
FTT-1500	1500	1390

SUBMITTAL INFORMATION

Safe Working Load:

System rating: Up to 200 kg @ 3:1¹

¹Loading at ambient temperatures. See table on reverse page for maximum working loads.

Material:

Track & Bracket Material – BS EN 10346:2009 DX51D (Mild Steel, Pre-Galv Z275)

Cartridge Housing – ABS Plastic

Spring – BS 2056 Austenitic 302S26 G2

Latch – EN 10346 S450GD

Approvals:

Lloyds certified

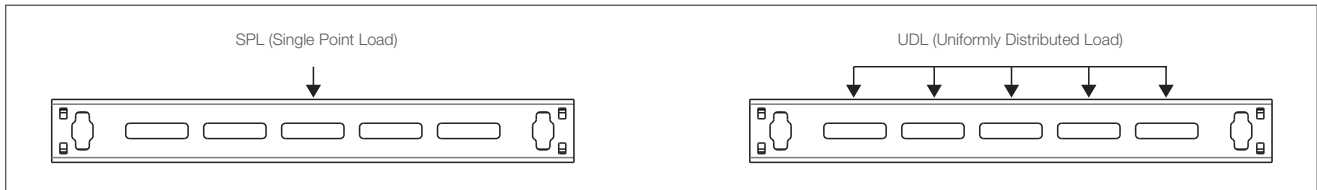
UL tested

TÜV tested

APAVE tested

Fire tested by Exova to F120 & MPA to 1363-1

Maximum Working Load (kg/kN)*



FTB-270 to FTB-1370

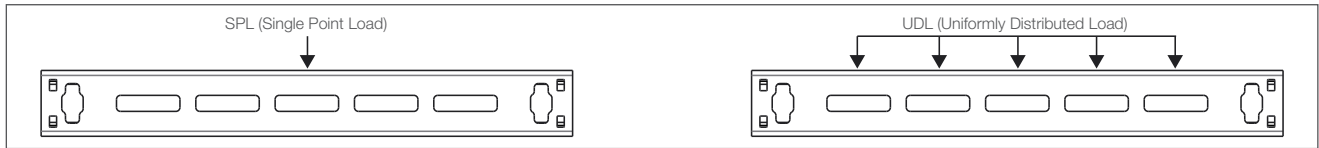
Bracket Orientation				
	Single Point Load (SPL) @ 3:1	100 kg	0.98 kN	70 kg
Uniformly Distributed Load (UDL) @ 3:1	200 kg	1.96 kN	130 kg	1.27 kN

FTB-1470

Single Point Load (SPL) @ 3:1	100 kg	0.98 kN	70 kg	0.68 kN
Uniformly Distributed Load (UDL) @ 3:1	175 kg	1.71 kN	130 kg	1.27 kN

*For more details on specified loads or additional deflection ratings please contact Gripple Technical Services. When loading multiple faces the total load applied must not exceed the values stated.

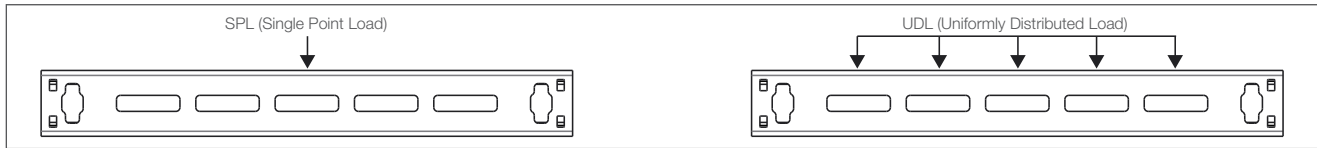
Deflection Data (kg)



Applied Load	Bracket	FTB 170	FTB 270	FTB 370	FTB 470	FTB 570	FTB 670	FTB 770	FTB 870	FTB 970	FTB 1070	FTB 1170	FTB 1270	FTB 1370	FTB 1470
	UDL - L/200	145	170	205	245	280	290	265	235	205	180	160	125	105	80
	SPL - L/200	290	325	365	345	305	265	240	220	195	160	130	100	75	50
	UDL - L/240	110	140	165	190	215	230	210	190	170	150	125	100	85	65
	SPL - L/240	225	265	285	275	245	215	195	180	160	130	105	85	65	45
	UDL - Ultimate Load	2780	1915	2360	1835	1320	1590	1260	1060	865	720	860	715	625	620
	SPL - Ultimate Load	1685	1400	1065	1075	1005	930	715	570	665	610	540	460	425	405
	UDL - L/200	115	145	200	250	265	320	280	260	220	190	170	135	105	80
	SPL - L/200	170	195	245	275	260	235	215	195	175	155	130	110	95	70
	UDL - L/240	90	125	155	185	200	250	225	205	180	155	135	110	90	65
	SPL - L/240	130	160	193	225	210	190	175	160	145	125	110	95	80	60
	UDL - Ultimate Load	2205	1130	2870	1645	1200	1160	1085	1105	895	730	835	720	635	665
	SPL - Ultimate Load	1090	1135	945	970	655	725	750	555	515	460	410	405	365	345
	UDL - L/200	175	200	255	290	320	290	265	240	215	190	160	135	110	80
	SPL - L/200	280	290	315	320	280	255	230	200	175	155	130	105	80	55
	UDL - L/240	135	165	195	225	252	225	205	195	175	155	130	110	90	70
	SPL - L/240	225	235	245	250	225	205	185	165	140	125	110	90	70	50
	UDL - Ultimate Load	2370	1505	1485	1260	970	1035	895	940	775	625	765	560	485	405
	SPL - Ultimate Load	1685	1095	940	805	625	565	590	575	440	515	365	390	315	330
	UDL - L/200	135	165	210	245	270	295	265	235	210	180	160	135	110	85
	SPL - L/200	175	245	330	300	270	250	230	205	180	155	135	115	85	65
	UDL - L/240	105	130	160	185	210	235	205	190	170	150	130	110	90	70
	SPL - L/240	135	195	260	240	220	205	185	170	150	130	115	95	75	55
	UDL - Ultimate Load	2815	1605	1765	1360	995	1050	1060	940	770	600	740	610	535	440
	SPL - Ultimate Load	1920	1325	930	895	680	605	610	480	430	390	410	325	310	265
	UDL - L/200	65	90	120	150	125	115	105	100	90	85	80	70	60	55
	SPL - L/200	125	115	115	110	95	90	85	75	70	60	55	45	40	35
	UDL - L/240	55	75	95	115	100	90	85	80	75	70	65	60	50	45
	SPL - L/240	105	100	95	90	80	75	70	65	55	50	45	40	35	30
	UDL - Ultimate Load	355	1890	430	995	680	730	780	735	595	520	620	460	415	450
	SPL - Ultimate Load	1150	750	565	535	565	400	380	400	375	360	335	275	260	250
	UDL - L/200	60	85	135	105	130	100	120	135	115	95	120	140	100	65
	SPL - L/200	55	85	120	110	105	95	85	80	75	65	60	50	45	30
	UDL - L/240	50	75	105	80	105	80	95	110	95	80	95	120	80	55
	SPL - L/240	45	70	100	90	85	80	70	65	60	55	50	45	40	30
	UDL - Ultimate Load	560	695	670	1325	905	705	730	755	605	535	645	500	450	450
	SPL - Ultimate Load	805	850	720	805	570	505	500	535	470	435	380	360	335	305

²An additional accessory is required (Fast Trak - Fire Clip) to guarantee that the product can meet fire rated loads in the specified orientations. When loading multiple faces the total load applied must not exceed the values stated.

Deflection Data (kN)



Applied Load	Bracket	FTB 170	FTB 270	FTB 370	FTB 470	FTB 570	FTB 670	FTB 770	FTB 870	FTB 970	FTB 1070	FTB 1170	FTB 1270	FTB 1370	FTB 1470
	UDL - L/200	1.40	1.65	2.00	2.40	2.75	2.85	2.60	2.35	2.00	1.75	1.55	1.20	1.00	0.75
	SPL - L/200	2.85	3.20	3.60	3.40	3.00	2.60	2.35	2.15	1.90	1.60	1.25	1.00	0.75	0.50
	UDL - L/240	1.05	1.35	1.60	1.85	2.10	2.25	2.05	1.85	1.65	1.45	1.20	0.95	0.80	0.60
	SPL - L/240	2.20	2.60	2.80	2.70	2.40	2.10	1.95	1.75	1.55	1.30	1.05	0.80	0.60	0.40
	UDL - Ultimate Load	27.30	18.80	23.15	18.00	12.95	15.55	12.35	10.40	8.50	7.05	8.45	7.00	6.10	6.05
	SPL - Ultimate Load	16.50	13.75	10.45	10.55	9.85	9.10	7.05	5.60	6.50	6.00	5.25	4.50	4.20	3.95
	UDL - L/200	1.15	1.45	1.95	2.45	2.60	3.15	2.75	2.55	2.15	1.85	1.65	1.30	1.05	0.75
	SPL - L/200	1.65	1.90	2.40	2.70	2.55	2.30	2.10	1.90	1.70	1.50	1.30	1.10	0.90	0.70
	UDL - L/240	0.90	1.20	1.50	1.80	1.95	2.45	2.20	2.05	1.75	1.55	1.30	1.05	0.85	0.60
	SPL - L/240	1.25	1.55	1.85	2.20	2.05	1.85	1.70	1.55	1.40	1.25	1.05	0.90	0.75	0.60
	UDL - Ultimate Load	21.65	11.10	28.15	16.15	11.75	11.40	10.65	10.85	8.75	7.15	8.20	7.05	6.20	6.50
	SPL - Ultimate Load	10.70	11.15	9.25	9.55	6.40	7.10	7.35	5.45	5.05	4.55	4.00	3.95	3.55	3.40
	UDL - L/200	1.70	1.95	2.50	2.85	3.10	2.85	2.60	2.35	2.10	1.85	1.55	1.30	1.05	0.80
	SPL - L/200	2.70	2.85	3.10	3.10	2.75	2.50	2.25	2.00	1.70	1.50	1.30	1.05	0.80	0.55
	UDL - L/240	1.30	1.60	1.90	2.20	2.45	2.20	2.05	1.90	1.70	1.50	1.25	1.05	0.85	0.65
	SPL - L/240	2.20	2.30	2.40	2.45	2.20	2.00	1.80	1.60	1.40	1.25	1.05	0.85	0.65	0.45
	UDL - Ultimate Load	23.25	14.75	14.55	12.35	9.50	10.15	8.80	9.20	7.60	6.15	7.50	5.45	4.75	3.95
	SPL - Ultimate Load	16.55	10.75	9.25	7.90	6.15	5.55	5.80	5.65	4.30	5.05	3.60	3.85	3.05	3.25
	UDL - L/200	1.30	1.60	2.05	2.40	2.65	2.85	2.60	2.30	2.05	1.75	1.55	1.30	1.05	0.85
	SPL - L/200	1.70	2.40	3.20	2.95	2.65	2.45	2.25	2.05	1.75	1.55	1.35	1.15	0.85	0.60
	UDL - L/240	1.00	1.30	1.55	1.80	2.05	2.30	2.05	1.85	1.65	1.45	1.25	1.05	0.85	0.65
	SPL - L/240	1.30	1.90	2.50	2.35	2.15	2.00	1.80	1.65	1.45	1.25	1.10	0.95	0.70	0.50
	UDL - Ultimate Load	27.60	15.75	17.30	13.35	9.75	10.30	10.40	9.20	7.55	5.85	7.25	6.00	5.25	4.30
	SPL - Ultimate Load	18.85	13.00	9.10	8.75	6.65	5.90	5.95	4.70	4.25	3.80	4.00	3.20	3.05	2.60
	UDL - L/200	1.05	1.00	1.10	1.10	1.00	0.95	0.90	0.80	0.75	0.70	0.65	0.60	0.60	0.50
	SPL - L/200	0.90	0.95	1.05	1.15	1.05	0.95	0.95	0.85	0.75	0.70	0.55	0.45	0.40	0.30
	UDL - L/240	0.80	0.85	0.85	0.85	0.80	0.75	0.70	0.65	0.60	0.55	0.50	0.50	0.45	0.40
	SPL - L/240	0.75	0.80	0.85	0.95	0.85	0.80	0.75	0.70	0.60	0.55	0.45	0.35	0.30	0.25
	UDL - Ultimate Load	20.25	10.25	16.20	9.30	7.20	7.80	6.50	6.50	6.60	5.25	6.20	5.20	4.45	4.10
	SPL - Ultimate Load	11.25	7.05	5.95	5.45	4.35	3.85	3.50	3.20	3.20	2.75	2.60	2.45	2.25	2.15
	UDL - L/200	0.60	0.85	1.30	1.05	1.30	1.00	1.20	1.30	1.15	0.95	1.15	1.40	0.95	0.65
	SPL - L/200	0.55	0.85	1.20	1.05	1.00	0.95	0.85	0.80	0.75	0.65	0.55	0.50	0.45	0.30
	UDL - L/240	0.45	0.70	1.05	0.80	1.05	0.80	0.95	1.05	0.95	0.80	0.95	1.20	0.80	0.50
	SPL - L/240	0.40	0.70	0.95	0.85	0.80	0.75	0.70	0.65	0.60	0.50	0.45	0.40	0.35	0.25
	UDL - Ultimate Load	5.50	6.80	6.55	13.00	8.85	6.90	7.15	7.40	5.95	5.25	6.30	4.90	4.45	4.40
	SPL - Ultimate Load	7.90	8.35	7.10	7.90	5.60	4.95	4.90	5.25	4.65	4.25	3.75	3.55	3.30	2.95

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