

EN

Technical Data Sheet

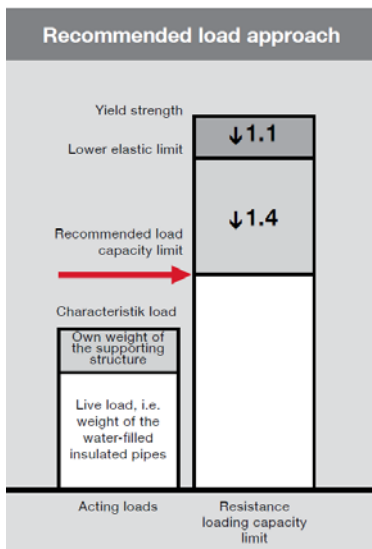
MFT-FOX H

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MFT-FOX H Brackets		FOX H 55 M 11 2084098	FOX H 75 M 11 2084361	FOX H 95 M 11 2084364	FOX H 115 M 11 2084367	FOX H 135 M 11 2084370
Technical datas						
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-	-	-
Bracket height:	h [mm]	80	80	80	80	80
Bracket length:	l [mm]	55	75	95	115	135
Bracket width:	w [mm]	62	62	62	62	62
Hole diameter:	D [mm]	11	11	11	11	11
Yield strength:	σ [N/mm ²]	200	200	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-	-	-
Moment of inertia	I_y [mm ⁴]	-	-	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-	-	-
Moment of inertia on main axis:	[°]	-	-	-	-	-
Recommended Loads (Anchor)						
Vertical (Deadload)	F_y [kN]	2,21	1,53	1,17	0,94	0,79
Horizontal (Windload):	F_x [kN]	1,62	1,62	1,62	1,62	1,62

MFT-FOX H Brackets		FOX H 155 M 11 2084373	FOX H 175 M 11 2084376	FOX H 195 M 11 2084379	FOX H 215 M 11 2084382	FOX H 235 M 11 2084385
Technical datas						
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-	-	-
Bracket height:	h [mm]	80	80	80	80	80
Bracket length:	l [mm]	155	175	195	215	235
Bracket width:	w [mm]	62	62	62	62	62
Hole diameter:	D [mm]	11	11	11	11	11
Yield strength:	σ [N/mm ²]	200	200	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-	-	-
Moment of inertia	I_y [mm ⁴]	-	-	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-	-	-
Moment of inertia on main axis:	[°]	-	-	-	-	-
Recommended Loads (Anchor)						
Vertical (Deadload)	F_y [kN]	0,68	0,6	0,53	0,48	0,44
Horizontal (Windload):	F_x [kN]	1,62	1,62	1,62	1,62	1,62

MFT-FOX H Brackets		FOX H 255 M 11 2084388	FOX H 275 M 11 2084391	FOX H 295 M 11 2084394
Technical datas				
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-
Bracket height:	h [mm]	80	80	80
Bracket length:	l [mm]	255	275	295
Bracket width:	w [mm]	62	62	62
Hole diameter:	D [mm]	11	11	11
Yield strength:	σ [N/mm ²]	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-
Moment of inertia:	I_y [mm ⁴]	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-
Moment of inertia on main axis:	[°]	-	-	-
Recommended Loads (Anchor)				
Vertical (Deadload)	F_y [kN]	0,4	0,37	0,34
Horizontal (Windload):	F_x [kN]	1,62	1,62	1,62



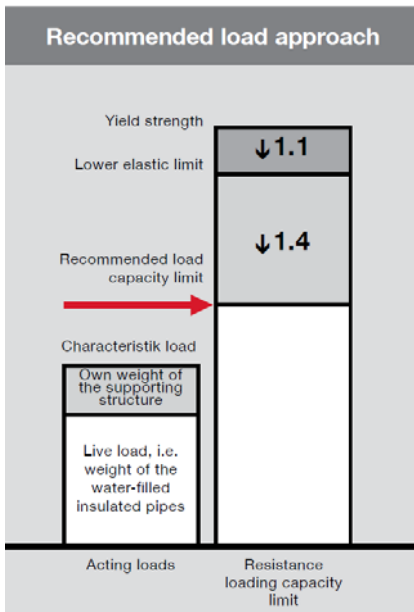
Loading capacity limit:

All loading capacity limits in this manual are to be considered as recommended values. Recommended values are calculated from the elastic limit equal to yield strength, with applied material safety factor of 1.1 and an applied additional safety factor of 1.4

MFT-FOX H Brackets		FOX H 55 M 6,5 2084097	FOX H 75 M 6,5 2084360	FOX H 95 M 6,5 2084363	FOX H 115 M 6,5 2084366	FOX H 135 M 6,5 2084369
Technical datas						
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-	-	-
Bracket height:	h [mm]	80	80	80	80	80
Bracket length:	l [mm]	55	75	95	115	135
Bracket width:	w [mm]	62	62	62	62	62
Hole diameter:	D [mm]	6,5	6,5	6,5	6,5	6,5
Yield strength:	σ [N/mm ²]	200	200	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-	-	-
Moment of inertia:	I_y [mm ⁴]	-	-	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-	-	-
Moment of inertia on main axis:	[°]	-	-	-	-	-
Recommended Loads (Screwfastening)						
Vertical (Deadload)	F_y [kN]	1,89	1,31	1	0,81	0,68
Horizontal (Windload):	F_x [kN]	1,38	1,38	1,38	1,38	1,38

MFT-FOX H Brackets		FOX H 155 M 6,5 2084372	FOX H 175 M 6,5 2084375	FOX H 195 M 6,5 2084378	FOX H 215 M 6,5 2084381	FOX H 235 M 6,5 2084384
Technical datas						
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-	-	-
Bracket height:	h [mm]	80	80	80	80	80
Bracket length:	l [mm]	155	175	195	215	235
Bracket width:	w [mm]	62	62	62	62	62
Hole diameter:	D [mm]	6,5	6,5	6,5	6,5	6,5
Yield strength:	σ [N/mm ²]	200	200	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-	-	-
Moment of inertia:	I_y [mm ⁴]	-	-	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-	-	-
Moment of inertia on main axis:	[°]	-	-	-	-	-
Recommended Loads (Screwfastening)						
Vertical (Deadload)	F_y [kN]	0,58	0,51	0,46	0,41	0,37
Horizontal (Windload):	F_x [kN]	1,38	1,38	1,38	1,38	1,38

MFT-FOX H Brackets		FOX H 255 M 6,5 2084387	FOX H 275 M 6,5 2084390	FOX H 295 M 6,5 2084393
Technical datas				
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-
Bracket height:	h [mm]	80	80	80
Bracket length:	l [mm]	255	275	295
Bracket width:	w [mm]	62	62	62
Hole diameter:	D [mm]	6,5	6,5	6,5
Yield strength:	σ [N/mm ²]	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-
Moment of inertia:	I_y [mm ⁴]	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-
Moment of inertia on main axis:	[°]	-	-	-
Recommended Loads (Screwfastening)				
Vertical (Deadload)	F_y [kN]	0,34	0,32	0,29
Horizontal (Windload):	F_x [kN]	1,38	1,38	1,38



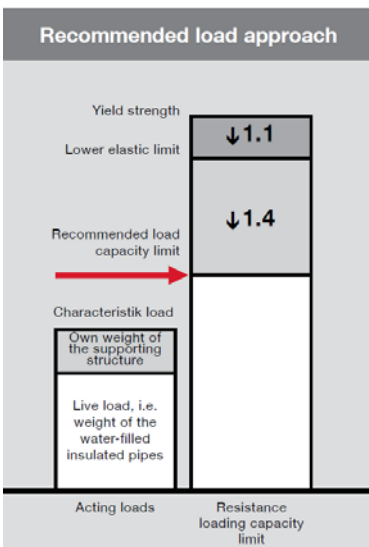
Loading capacity limit:

All loading capacity limits in this manual are to be considered as recommended values. Recommended values are calculated from the elastic limit equal to yield strength, with applied material safety factor of 1.1 and an applied additional safety factor of 1.4

MFT-FOX H Brackets		FOX H 55 M 5 2084096	FOX H 75 M 5 2084099	FOX H 95 M 5 2084362	FOX H 115 M 5 2084365	FOX H 135 M 5 2084368
Technical datas						
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-	-	-
Bracket height:	h [mm]	80	80	80	80	80
Bracket length:	l [mm]	55	75	95	115	135
Bracket width:	w [mm]	62	62	62	62	62
Hole diameter:	D [mm]	5	5	5	5	5
Yield strength:	σ [N/mm ²]	200	200	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-	-	-
Moment of inertia	I_y [mm ⁴]	-	-	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-	-	-
Moment of inertia on main axis:	[°]	-	-	-	-	-
Recommended Loads (Directfastening)						
Vertical (Deadload)	F_y [kN]	1,06	0,73	0,56	0,45	0,38
Horizontal (Windload):	F_x [kN]	0,77	0,77	0,77	0,77	0,77

MFT-FOX H Brackets		FOX H 155 M 5 2084371	FOX H 175 M 5 2084374	FOX H 195 M 5 2084377	FOX H 215 M 5 2084380	FOX H 235 M 5 2084383
Technical datas						
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-	-	-
Bracket height:	h [mm]	80	80	80	80	80
Bracket length:	l [mm]	155	175	195	215	235
Bracket width:	w [mm]	62	62	62	62	62
Hole diameter:	D [mm]	5	5	5	5	5
Yield strength:	σ [N/mm ²]	200	200	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-	-	-
Moment of inertia	I_y [mm ⁴]	-	-	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-	-	-
Moment of inertia on main axis:	[°]	-	-	-	-	-
Recommended Loads (Directfastening)						
Vertical (Deadload)	F_y [kN]	0,32	0,28	0,25	0,23	0,21
Horizontal (Windload):	F_x [kN]	0,77	0,77	0,77	0,77	0,77

MFT-FOX H Brackets		FOX H 255 M 5 2084386	FOX H 275 M 5 2084389	FOX H 295 M 5 2084392
Technical datas				
Material		EN AW-6063 T66	EN AW-6063 T66	EN AW-6063 T66
Material thickness:	s [mm]	-	-	-
Bracket height:	h [mm]	80	80	80
Bracket length:	l [mm]	255	275	295
Bracket width:	w [mm]	62	62	62
Hole diameter:	D [mm]	5	5	5
Yield strength:	σ [N/mm ²]	200	200	200
Modulus of elasticity:	E [N/mm ²]	70000	70000	70000
Moment of inertia:	I_x [mm ⁴]	-	-	-
Moment of inertia:	I_y [mm ⁴]	-	-	-
Moment of deviation:	I_{xy} [mm ⁴]	-	-	-
Moment of inertia on main axis:	[°]	-	-	-
Recommended Loads (Directfastening)				
Vertical (Deadload)	F_y [kN]	0,19	0,18	0,16
Horizontal (Windload):	F_x [kN]	0,77	0,77	0,77



Loading capacity limit:

All loading capacity limits in this manual are to be considered as recommended values. Recommended values are calculated from the elastic limit equal to yield strength, with applied material safety factor of 1.1 and an applied additional safety factor of 1.4