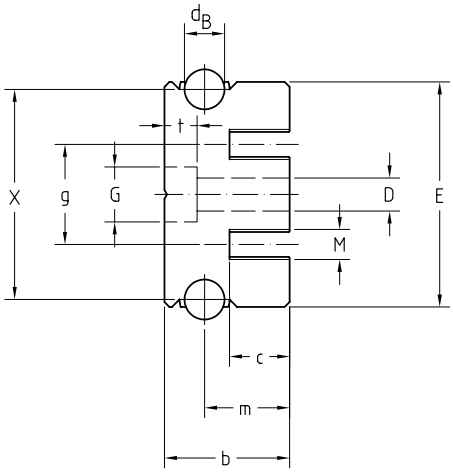
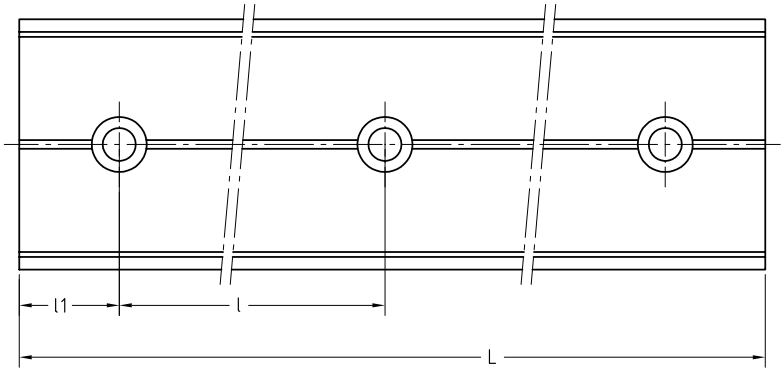
BASE-LINE – FWS, FWH SYSTEM
GUIDE RAILS FWS

Rail composed by an aluminium body
and two shafts in steel, with two raceways.

Available in stainless steel version. NX





Type	Dimensions (mm)												
	d_B	a	M	g	E	b	m	c	l	l_1	Reductions		
											G	D	t
FWS 22	6	34	M5	16	36	20	14	10	120	30	10	5.5	5.5
FWS 32	8	42	M6	20	45	25	17	12	120	30	11	6.5	6.5
FWS 40	10	54	M8	24	57	30	19	14	150	30	15	9	9
FWS 52	12	66	M10	32	69	36	24	18	150	30	18	11	11

Max. length in single element L = 4500 mm.
Longer rails are supplied in sections with ground butt joints and, on request, with pin connection

Type	Screw distance max.			Moments of inertia [1]		Weight (kg/m)
	for 2 screw channels		for additional holes (NZ)			
	Distance (mm)	Torque wrench settings (Nm)	Distance (mm)	J_x (cm^4)	J_y (cm^4)	
FWS 22	190	2	220	2.07	6.01	2.0
FWS 32	210	5	240	5.10	14.56	3.3
FWS 40	250	15	280	11.01	35.26	5
FWS 52	250	23	280	22.85	74.12	7.2

1) Inertia value based on equivalent aluminium yield 70000 N/mm² including shafts

HOLE LAYOUT
- Holes according to catalogue (SB)
- Finishes to drawing (NZ)
- Without holes (NF)

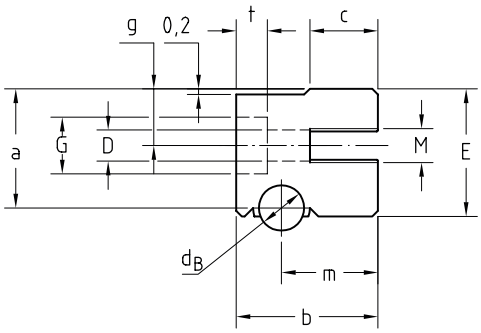
OPTIONAL FEATURES
- Ground one end: side of the first hole (1R), side of the last hole (2R)
- Ground both ends (RR)
- Stainless steel shafts (NX)
- Chromium plated shafts (CH)
- Pin based shaft connection (G)

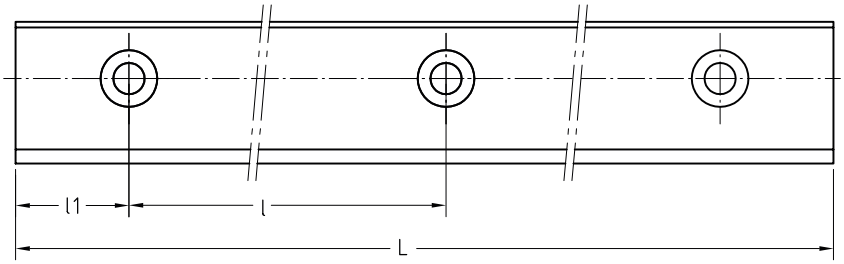
Example of standard designation: FW S32 / 1500 NF

GUIDE FWH

Rail composed by an aluminium body and one shaft in steel, with a single raceway.

Available in stainless steel version. NX





Type	Dimensions (mm)												
	d_B	a	M	g	E	b	m	c	l	l_1	Reductions		
											G	D	t
FWH 22	6	17	M5	8	18	20	14	10	120	30	8	4.5	4.5
FWH 32	8	21	M6	10	22.5	25	17	12	120	30	10	5.5	5.5
FWH 40	10	27	M8	12	28.5	30	19	14	150	30	11	6.5	6.5
FWH 52	12	33	M10	16	34.5	36	24	18	150	30	15	9	9

Max. length in single element L = 4500 mm.
Longer rails are supplied in sections with ground butt joints and, on request, with pin connection

Type	Screw distance max.			Moments of inertia [1]		Weight (kg/m)
	for 1 screw channels		for additional holes			
	Distance (mm)	Torque wrench settings (Nm)	Distance (mm)	J_x (cm^4)	J_y (cm^4)	
FWH 22	70	2	120	1.02	0.83	1
FWH 32	60	5	130	2.55	2.05	1.6
FWH 40	97	15	150	5.71	4.75	2.5
FWH 52	120	23	150	10.12	11.85	3.6

1) Inertia value based on equivalent aluminium yield 70000 N/mm² including shafts

HOLE LAYOUT

- Holes according to catalogue (SB)
- Finishes to drawing (NZ)
- Without holes (NF)

OPTIONAL FEATURES

- Ground one end: side of the first hole (1R), side of the last hole (2R)
- Ground both ends (RR)
- Stainless steel shafts (NX)
- Chromium plated shafts (CH)
- Pin based shaft connection (G)

Example of standard designation: FWH 32 / 1500 NF