

# MINI GUIDE BLOCK & RAIL

# MRS, MR

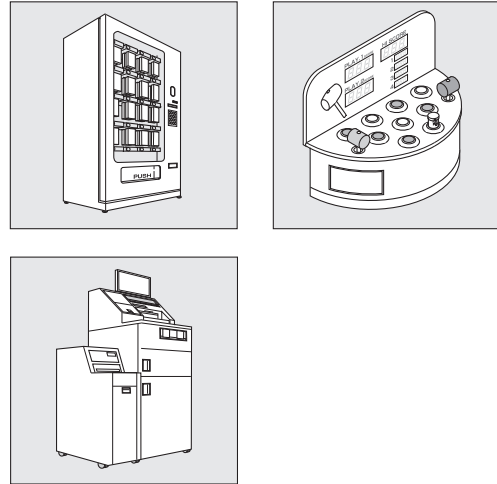
DRAWER SLIDES

MINI GUIDE BLOCK & RAIL



### Features

- Ideal for small stroke application.
- No grease needed.



### Load Rating Information

Reduction factor

\*Certain reduction needs to be applied to the load rating depending on application or environment.

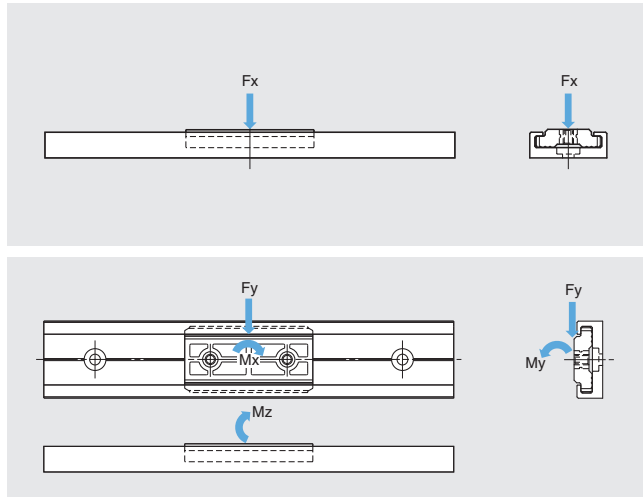
Conditions	Static Friction Coefficient	Dynamic Friction Coefficient
Low speed/low operation frequency	0.4 - 0.5	0.9 - 1.0
Moderate speed/high operation frequency	0.3 - 0.4	0.6 - 0.8
High operation frequency with vibration and shocks	0.2 - 0.3	0.3 - 0.5

Item Name	Horizontal Static Rated Load Fx		Vertical Static Rated Load Fy	
	N	kgf	N	kgf
MR-15CS	100	10.2	30	3.06
MR-20CS	300	30.6	175	17.8
MR-30CS	520	53.0	305	31.1
MR-40CS	700	71.4	490	50.0

Item Name	Vertical Static Rated Moment Mx		Horizontal Static Rated Moment My	
	N-m	kgf-cm	N-m	kgf-cm
MR-15CS	-	-	-	-
MR-20CS	3	30.6	1.5	15.3
MR-30CS	5	51.0	2.5	25.5
MR-40CS	7	71.4	3.5	35.7

Item Name	Horizontal Static Rated Moment Mz	
	N-m	kgf-cm
MR-15CS	-	-
MR-20CS	1.5	15.3
MR-30CS	2.5	25.5
MR-40CS	3.5	35.7

\* Item name has been revised.  
(New:MR-30CS,Old:MR-50CN)



MINI GUIDE RAIL

MRS

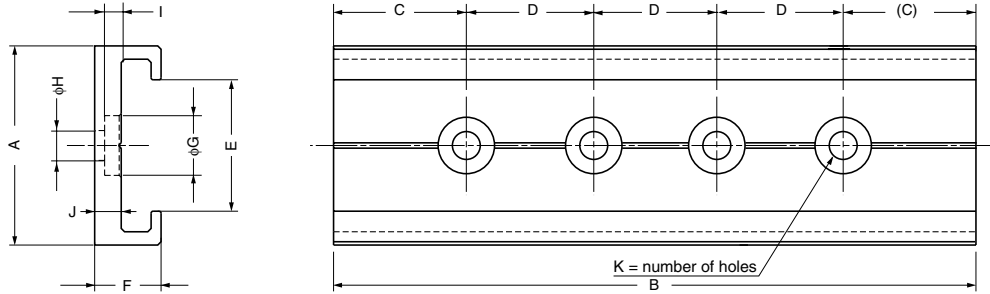


Features

- Does not need grease.
- Very compact.
- Easy to use solution for projects with lower precision requirements.
- Made from anodized aluminium for high corrosion resistance.

Recommended Screws

- Hexagon socket button head screw M3, Pan head screw M3 (MRS15)
- M4 hexagon socket button head screw (MRS20, MRS30)

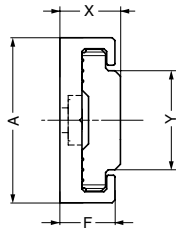


DRAWER SLIDES

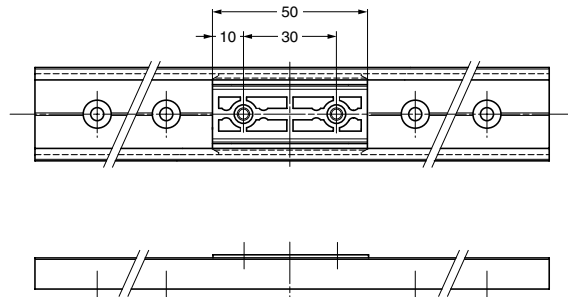
MINI GUIDE RAIL

How to Combine Guide Blocks and Rails

(sold separately)



Combination example: MRS30 & MR-30CS



Mini Guide Rail			Mini Guide Block		
Item Name	A	F	Item Name	X	Y
MRS15	15	6	MR-15CS	7	7.8
MRS20	20	7.2	MR-20CS	8.2	11.2
MRS30	30	10	MR-30CS	11	18

Item Code	Item Name	A	B	C	D	E	F	G	H	I	J	K	Material	Finish	Guide Block	Weight	Box
190-027-331	MRS15- 100	15	100	25	50	8.7	6	6.5	3.5	1.8	2.8	2	Aluminium Alloy	Anodized Silver	MR-15CS	14.5 g	200 pcs
190-027-332	MRS15- 200	15	200	25	50	8.7	6	6.5	3.5	1.8	2.8	4	Aluminium Alloy	Anodized Silver	MR-15CS	29 g	200 pcs
190-027-333	MRS15- 400	15	400	25	50	8.7	6	6.5	3.5	1.8	2.8	8	Aluminium Alloy	Anodized Silver	MR-15CS	58 g	100 pcs
190-027-334	MRS15- 800	15	800	25	50	8.7	6	6.5	3.5	1.8	2.8	16	Aluminium Alloy	Anodized Silver	MR-15CS	117 g	80 pcs
190-111-491	MRS20- 100	20	100	25	50	12.4	7.2	7.6	4.5	1.8	3	2	Aluminium Alloy	Anodized Silver	MR-20CS	20 g	200 pcs
190-111-492	MRS20- 200	20	200	25	50	12.4	7.2	7.6	4.5	1.8	3	4	Aluminium Alloy	Anodized Silver	MR-20CS	40 g	200 pcs
190-111-493	MRS20- 400	20	400	25	50	12.4	7.2	7.6	4.5	1.8	3	8	Aluminium Alloy	Anodized Silver	MR-20CS	80 g	100 pcs
190-111-494	MRS20- 800	20	800	25	50	12.4	7.2	7.6	4.5	1.8	3	16	Aluminium Alloy	Anodized Silver	MR-20CS	160 g	80 pcs
190-111-495	MRS20-2000	20	2000	25	50	12.4	7.2	7.6	4.5	1.8	3	40	Aluminium Alloy	Anodized Silver	MR-20CS	400 g	30 pcs
190-112-860	MRS30- 100	30	100	10	40	19.8	10	8.5	4.5	2.5	4	3	Aluminium Alloy	Anodized Silver	MR-30CS	39 g	200 pcs
190-112-861	MRS30- 200	30	200	20	40	19.8	10	8.5	4.5	2.5	4	5	Aluminium Alloy	Anodized Silver	MR-30CS	79 g	100 pcs
190-112-862	MRS30- 400	30	400	20	40	19.8	10	8.5	4.5	2.5	4	10	Aluminium Alloy	Anodized Silver	MR-30CS	159 g	50 pcs
190-112-863	MRS30- 800	30	800	20	40	19.8	10	8.5	4.5	2.5	4	20	Aluminium Alloy	Anodized Silver	MR-30CS	312 g	40 pcs
190-112-864	MRS30-2000	30	2000	20	40	19.8	10	8.5	4.5	2.5	4	50	Aluminium Alloy	Anodized Silver	MR-30CS	790 g	15 pcs