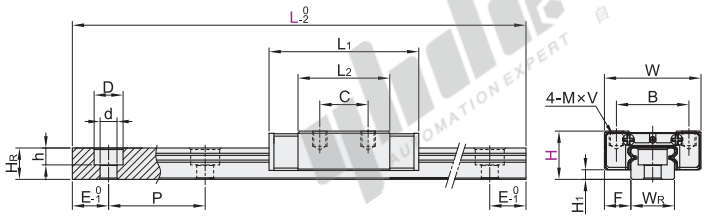
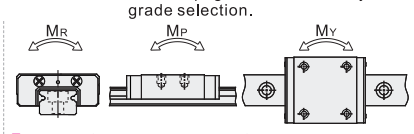
Long Blocks

Standard Grade,Slight Clearance(ZF)2~8μm

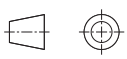
Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material	
						Slide rail	Slide block
IAF11	Set	Standard Grade	Mounting fromTop	1	Mounting fromTop	SUS440C	SUS440C
IAF12				2			





Refer to page P98 for accuracy grade selection.

Allowable Static Moment, Please refer to the table below for the values of MR / MP / MY.



The first perspective

Part Number		L	H1	F	Block Dimensions						Guide Rail Dimensions	
Code	H				W	B	C	L1	L2	M×V	WR	HR
IAF11 IAF12	8	40~130	1.5	5	17	12	13	31.1	21.9	M2×2.5	7	4.8
	10	35~467	2	5.5	20	15	16	39	29	M3×3	9	6.5
	13	45~470	2.5	7.5	27	20	20	47.6	33.6	M3×3.5	12	7.5
	16	70~670	4	8.5	32	25	25	60.1	45.5	M3×4	15	10

The minimum value of L size is determined by the length and quantity of the block.

The maximum length L of each specification of slide rail can reach 1000mm/piece.

Part Number		Guide Rail Dimensions				Basic Load Rating(KN)		Allowable Static Moment(N-m)			Weight	
Code	H	D	d	h	P	C(Dynamic)	Co(Static)	MR	MP	MY	Blocks(kg)	Guide Rails(kg/m)
IAF11 IAF12	8	4.2	2.4	2.3	15	1.33	2.05	8.05	4.53	4.53	0.015	0.22
	10			3.5	20	2.45	3.64	18.95	10.67	10.67	0.026	0.38
	13	6	3.5	4.5	25	3.54	4.88	32.39	18.34	18.34	0.06	0.55
	16				40	6.64	9.73	80.68	41.74	41.74	0.102	1.07

N(Number of Mounting Holes)/ E(Distance from screw center hole to end face)

H	L 1 mm Increment	N (Number of Mounting Holes)	E
8	40~50	3	$E=\frac{L-(N-1)\times P}{2}$
	51~65	4	
	66~80	5	
	81~95	6	
	96~110	7	
	111~125	8	
	126~130	9	
10	35~47	2	
	48~67	3	
	68~87	4	
	88~107	5	
	108~127	6	
	128~147	7	
	148~167	8	
	168~187	9	
	188~207	10	
	208~227	11	
	228~247	12	
	248~267	13	
	268~287	14	
	288~307	15	
	308~327	16	
	328~347	17	
	348~367	18	
	368~387	19	
	388~407	20	
	408~427	21	
	428~447	22	
	448~467	23	
13	45~57	2	
	58~82	3	
	83~107	4	
	108~132	5	
	133~157	6	

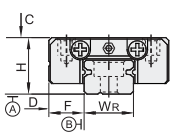
N(Number of Mounting Holes)/ E(Distance from screw center hole to end face)

H	L 1 mm Increment	N (Number of Mounting Holes)	E
13	158~182	7	$E=\frac{L-(N-1)\times P}{2}$
	183~207	8	
	208~232	9	
	233~257	10	
	258~282	11	
	283~307	12	
	308~332	13	
	333~357	14	
	358~382	15	
	383~407	16	
	408~432	17	
	433~457	18	
	458~470	19	
16	70~87	2	
	88~127	3	
	128~167	4	
	168~207	5	
	208~247	6	
	248~287	7	
	288~327	8	
	328~367	9	
	368~407	10	
	408~447	11	
	448~487	12	
	488~527	13	
	528~567	14	
	568~607	15	
	608~647	16	
	648~670	17	

N(Number of mounting holes)
P(Distance between screw holes)
E(Distance from screw center hole to end face)
Special length, our company can do length splicing.

Accuracy Standards

Dimensional Accuracy(μm)		Standard Grade
1 Block	Height H Tolerance	±0.04
	Width F Tolerance	
2 Blocks	Height H Pair Variation	0.03
	Width F Pair Variation	
Mutual error of height H of multiple sets of guide rails		0.07
Running Parallelism of Plane C against Plane A		Refer to page P98 for accuracy grade selection
Running Parallelism of Plane D against Plane B		



Running Parallelism

Rail Length (mm)	Accuracy Grade(μm)
0~50	12
50~80	13
80~125	14
125~200	15
200~250	16
250~315	17
315~400	18
400~500	19
500~630	20

Walking parallelism refers to the walking accuracy after the track screw holes are locked.

Please order as shown

Part Number		L
Code	H	
IAF11 IAF12	10	35~467
	13	45~470
	16	70~670

IAF11— H13 — L50

Discount price

Per	1~9	10~
Price	100%	Additional quotation

Delivery 4