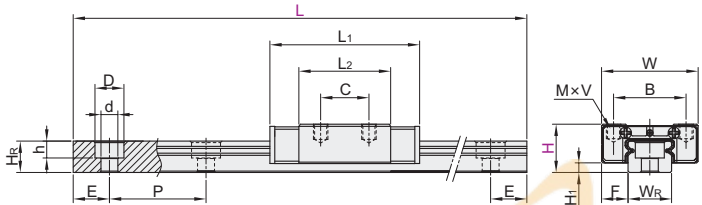


# Standard Blocks

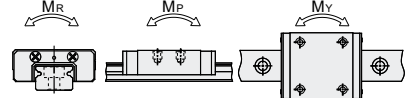
Standard Grade, Slight Clearance

# Miniature Linear Guides

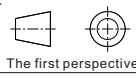
Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IAC11	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IAC12				2		



Refer to page P1361 for accuracy grade selection.



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



Part Number		L	H <sub>1</sub>	F	Block Dimensions						Guide Rail Dimensions	
Code	H				W	B	C	L <sub>1</sub>	L <sub>2</sub>	M×V	W <sub>R</sub>	H <sub>R</sub>
IAC11 IAC12	6	40~130	1.5	3.5	12	8	-	16	9.6	M2×1.5	5	3.6
	8			5	17	12	8	22.8	13.6	M2×2.5	7	4.8
	10	35~467	2	5.5	20	15	10	29	19	M3×3	9	6.5
	13	45~470	2.5	7.5	27	20	15	34.6	20.6	M3×3.5	12	7.5
	16	70~670	4	8.5	32	25	20	42.1	27.5	M3×4	15	10

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)	M <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	Blocks(kg)	Guide Rails(kg/m)	
IAC11 IAC12	6	3.6	2.4	0.8	15	0.38	0.54	1.46	0.81	0.81	0.003	0.12	
	8	4.2	2.4	2.3	15	0.97	1.32	5.18	2.82	2.82	0.01	0.22	
	10				3.5	20	1.80	2.34	12.19	6.99	6.99	0.017	0.38
	13	6	3.5		4.5	25	2.67	3.25	21.60	11.85	11.85	0.037	0.55
	16				40	4.65	5.84	48.41	25.23	25.23	0.062	1.07	

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

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

Accuracy Standards

H	L	N	E	
	1 mm Increment	(Number of Mounting Holes)		
6	40~50	3		
	51~65	4		
	66~80	5		
	81~95	6		
	96~110	7		
	111~125	8		
8	126~130	9		
	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		
10	208~227	11		
	228~247	12		
	248~267	13		
	268~275	14		
	45~57	2		
	58~82	3		
	83~107	4		
	108~132	5		
	133~157	6		
	158~182	7		
	13	183~207	8	
		208~232	9	
233~257		10		
258~282		11		
283~307		12		
308~332		13		

H	L	N	E
	1 mm Increment	(Number of Mounting Holes)	
13	333~357	14	
	358~382	15	
	383~407	16	
	408~432	17	
	433~457	18	
	458~470	19	
	70~87	2	
	88~127	3	
	128~167	4	
	168~207	5	
16	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	

$$E = \frac{L - (N-1) \times P}{2}$$

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.

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 P1361 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.



Part Number	H	L
IAC11	10	35~467
IAC12	13	45~470
	16	70~670

IAC11—H13—L50



Discount price  
Per 1~9 10~  
Price 100% Additional quotation



Delivery  
8

Linear Guides  
E3

# Miniature Linear Guides

## Long Blocks

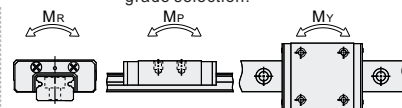
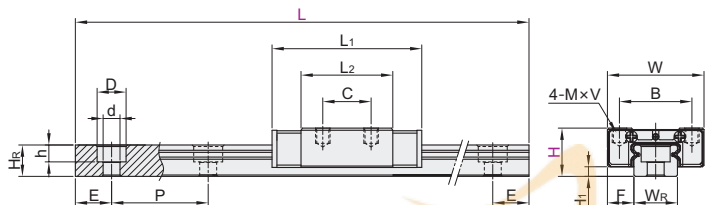
Standard Grade, Slight Clearance

Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IAF11	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IAF12				2		

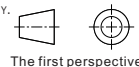


Inventory

Refer to page P1361 for accuracy grade selection.



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



Part Number		L	H <sub>1</sub>	F	Block Dimensions					Guide Rail Dimensions		
Code	H				W	B	C	L <sub>1</sub>	L <sub>2</sub>	M×V	W <sub>R</sub>	H <sub>R</sub>
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

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)	M <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	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		25	3.54	4.88	32.39	18.34	18.34	0.06	0.55
	16			4.5	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))

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

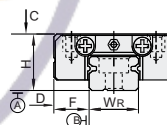
Accuracy Standards

H	L 1mm Increment	N (Number of Mounting Holes)	E
8	40~50	3	
	51~65	4	
	66~80	5	
	81~95	6	
	96~110	7	
	111~125	8	
	126~130	9	
	35~47	2	13
	48~67	3	
	68~87	4	
	88~107	5	
	108~127	6	
10	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	16
	328~347	17	
	348~367	18	
13	368~387	19	
	388~407	20	
	408~427	21	
	428~447	22	
	448~467	23	
	45~57	2	
	58~82	3	
	83~107	4	
	108~132	5	
	133~157	6	

H	L 1mm Increment	N (Number of Mounting Holes)	E
13	158~182	7	
	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	
16	458~470	19	
	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	
16	488~527	13	
	528~567	14	
	568~607	15	
	608~647	16	
	648~670	17	

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 P1361 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.

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.

Linear Guides E3



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

IAF11—H13—L50



Discount price	Per	1~9	10~
Price	100%	Additional quotation	

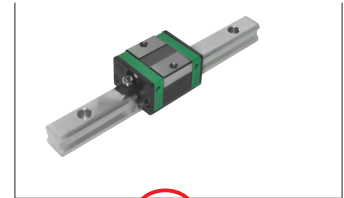


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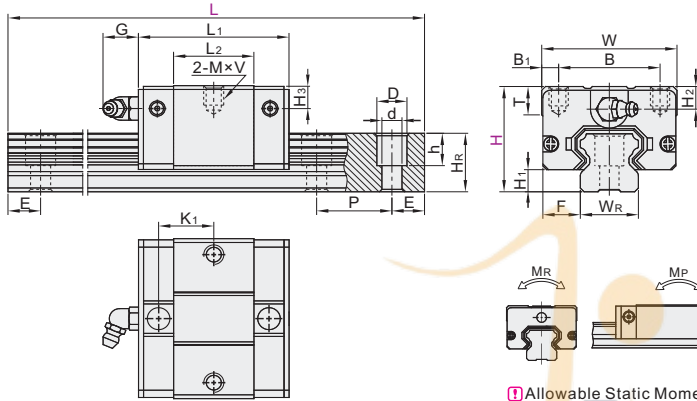
# Medium Load, Interchangeable ▶ Standard Grade, Light Preload(FC)

# Economical Low Assembly Linear Guide

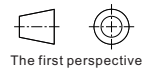
Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IAP21	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IAP23				2		



Refer to page P1361 for accuracy grade selection.



Allowable Static Moment, Please refer to the table below for the values of  $M_R$  /  $M_P$  /  $M_Y$ .



Part Number		Block Dimensions														
Code	H	L	H <sub>1</sub>	F	W	B	B <sub>1</sub>	L <sub>1</sub>	L <sub>2</sub>	K <sub>1</sub>	G	M×V	T	H <sub>2</sub>	H <sub>3</sub>	
IAP21	24	100~1480	4.5	9.5	34	26	4	40.1	23.1	14.8	5.7	M4×6	6	5.5	6	
IAP23	28	100~1960	6	11	42	32	5	50	29	18.75	12	M5×7	7.5	6	6	

Guide Rail Dimensions								Basic Load Rating(KN)		Allowable Static Moment(N-m)			Weight	
W <sub>R</sub>	H <sub>R</sub>	D	h	d	P	Set screw	C(Dynamic)	Co(Static)	M <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	Blocks(kg)	Guide Rails(kg/m)	
15	12.5	7.5	5.3	4.5	60	M4×16	5.35	9.4	0.08	0.04	0.04	0.09	1.25	
20	15.5	9.5	8.5	6	60	M5×16	7.23	12.74	0.13	0.06	0.06	0.15	2.08	

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

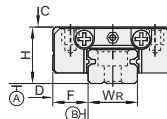
H	L 1 mm Increment	N (Number of Mounting Holes)	E
24	100~131	2	$\frac{L-(N-1) \times P}{2}$
	132~191	3	
	192~251	4	
	252~311	5	
	312~371	6	
	372~431	7	
	432~491	8	
	492~551	9	
	552~611	10	
	612~671	11	
	672~731	12	
	732~791	13	
	792~851	14	
	852~911	15	
	912~971	16	
	972~1031	17	
	1032~1091	18	
1092~1151	19		
1152~1211	20		
1212~1271	21		
1272~1331	22		
1332~1391	23		
1392~1451	24		
1452~1480	25		
28	100~139	2	$\frac{L-(N-1) \times P}{2}$
	140~199	3	
	200~259	4	
	260~319	5	

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
28	320~379	6	$\frac{L-(N-1) \times P}{2}$
	380~439	7	
	440~499	8	
	500~559	9	
	560~619	10	
	620~679	11	
	680~739	12	
	740~799	13	
	800~859	14	
	860~919	15	
	920~979	16	
	980~1039	17	
	1040~1099	18	
	1100~1159	19	
	1160~1219	20	
	1220~1279	21	
	1280~1339	22	
	1340~1399	23	
	1400~1459	24	
	1460~1519	25	
	1520~1579	26	
1580~1639	27		
1640~1699	28		
1700~1759	29		
1760~1819	30		
1820~1879	31		
1880~1939	32		
1940~1960	33		

### Accuracy Standards

Dimensional Accuracy(μm)		
1 Block	Height H Tolerance	±0.1
	Width F Tolerance	±0.1
2 Blocks	Height H Pair Variation	0.02
	Width F Pair Variation(Datum track)	0.03
Running Parallelism of Plane C against Plane A		Refer to page P1361 for accuracy grade selection
Running Parallelism of Plane D against Plane B		



Part Number	Code	H	L
IAP21	24	100~1480	
IAP23	28	100~1960	

IAP21—H28—L200

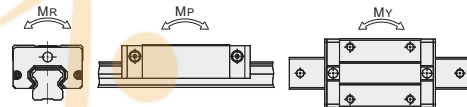
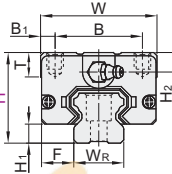
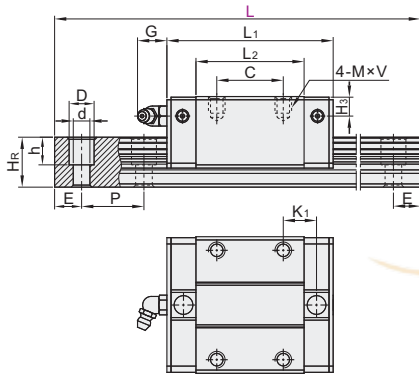


Discount price	
Per	1~9 10~
Price	100% Additional quotation



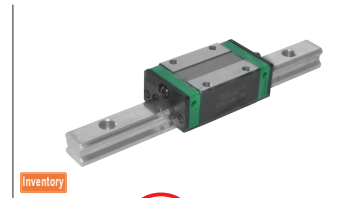
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10	

Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IAS21	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IAS23				2		



Allowable Static Moment, Please refer to the table below for the values of Mr / Mp / My.

The first perspective



Refer to page P136 for accuracy grade selection.

Part Number Code	H	L	H <sub>1</sub>	F	Block Dimensions										
					W	B	B <sub>1</sub>	C	L <sub>1</sub>	L <sub>2</sub>	K <sub>1</sub>	G	M×V	T	H <sub>2</sub>
IAS21	24	100~1480	4.5	9.5	34	26	4	26	56.8	39.8	10.15	5.7	M4×6	6	5.5
IAS23	33	100~1960	6	11	42	32	5	32	69.1	48.1	12.3		M5×7	7.5	6
	28	100~1960	7	12.5	48	35	6.5	35	82.6	59	16.15	12	M6×9	8	8
	42	200~1960	10	16	60	40	10	40	98.1	70.1	21.05		M8×12	9	8

Please order as shown

Part Number Code	H	L
IAS21	24	100~1480
IAS23	33	100~1960
IAS21	28	100~1960
IAS23	33	100~1960

IAS21 — H28 — L260

Discount price  
Per 1~9 10~  
Price 100% Additional quotation

Delivery 10

Guide Rail Dimensions						Basic Load Rating(KN)			Allowable Static Moment(N-m)			Weight	
H <sub>s</sub>	W <sub>R</sub>	H <sub>R</sub>	D	h	d	Set screw	C(Dynamic)	Co(Static)	M <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	Blocks(kg)	Guide Rails(kg/m)
6	15	12.5	7.5	5.3	4.5	60	M4×16	7.83	16.19	0.13	0.1	0.15	1.25
6	20	15.5	9.5	8.5	6	60	M5×16	10.31	21.13	0.22	0.16	0.16	2.08
8	23	18	11	9	7	60	M6×20	16.27	32.4	0.38	0.32	0.32	4.41
9	28	23	14	12	9	80	M8×25	23.7	47.46	0.68	0.55	0.55	6.76

The minimum value of L size depends on the length of the slider and the number of sliders, please confirm.

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

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

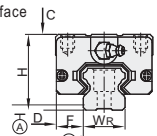
N(Number of Mounting Holes)/  
E(Distance from screw center hole to end face)

H	L	N	E
	1 mm Increment	(Number of Mounting Holes)	
24	100~131	2	$E = \frac{L-(N-1) \times P}{2}$
	132~191	3	
	192~251	4	
	252~311	5	
	312~371	6	
	372~431	7	
	432~491	8	
	492~551	9	
	552~611	10	
	612~671	11	
	672~731	12	
	732~791	13	
	792~851	14	
	852~911	15	
	912~971	16	
	972~1031	17	
	1032~1091	18	
	1092~1151	19	
	1152~1211	20	
	1212~1271	21	
	1272~1331	22	
	1332~1391	23	
	1392~1451	24	
	1452~1480	25	
	28	100~139	
140~199		3	
200~259		4	
260~319		5	
320~379		6	
380~439		7	
440~499		8	
500~559		9	
560~619		10	
620~679		11	
680~739		12	
740~799		13	
800~859		14	
860~919		15	
920~979		16	
980~1039		17	
1040~1099		18	
1100~1159		19	
1160~1219		20	

H	L	N	E		
	1 mm Increment	(Number of Mounting Holes)			
28	1220~1279	21	$E = \frac{L-(N-1) \times P}{2}$		
	1280~1339	22			
	1340~1399	23			
	1400~1459	24			
	1460~1519	25			
	1520~1579	26			
	1580~1639	27			
	1640~1699	28			
	1700~1759	29			
	1760~1819	30			
	1820~1879	31			
	1880~1939	32			
	1940~1960	33			
	33	100~141		2	$E = \frac{L-(N-1) \times P}{2}$
		142~201		3	
		202~261		4	
		262~321		5	
		322~381		6	
		382~441		7	
		442~501		8	
		502~561		9	
		562~621		10	
		622~681		11	
		682~741		12	
		742~801		13	
802~861		14			
862~921		15			
922~981		16			
982~1041		17			
1042~1101		18			
1102~1161		19			
1162~1221		20			
1222~1281		21			
1282~1341		22			
1342~1401		23			
1402~1461		24			
1462~1521		25			
1522~1581		26			
1582~1641	27				
1642~1701	28				
1702~1761	29				
1762~1821	30				
1822~1881	31				

H	L	N	E
	1 mm Increment	(Number of Mounting Holes)	
33	1882~1941	32	$E = \frac{L-(N-1) \times P}{2}$
	1942~1960	33	
	200~280	3	
	281~343	4	
	344~423	5	
	424~503	6	
	504~583	7	
	584~663	8	
	664~743	9	
	744~823	10	
	824~903	11	
	904~983	12	
	984~1063	13	
42	1064~1143	14	$E = \frac{L-(N-1) \times P}{2}$
	1144~1223	15	
	1224~1303	16	
	1304~1383	17	
	1384~1463	18	
	1464~1543	19	
	1544~1623	20	
	1624~1703	21	
	1704~1783	22	
	1784~1863	23	
	1864~1943	24	
	1944~1960	25	

P: Distance between screw holes  
E: Distance from screw center hole to end face

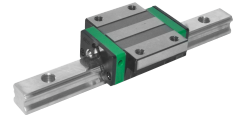


Accuracy Standards

Dimensional Accuracy(μm)		
1 Block	Height H Tolerance	±0.1
	Width F Tolerance	±0.1
2 Blocks	Height H Pair Variation	0.02
	Width F Pair Variation(Datum track)	0.03
Running Parallelism of Plane C against Plane A		Refer to page P136 for accuracy grade selection
Running Parallelism of Plane D against Plane B		Refer to page P136 for accuracy grade selection

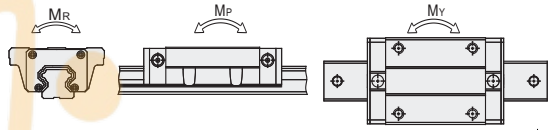
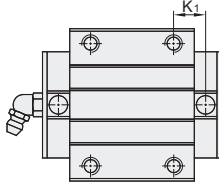
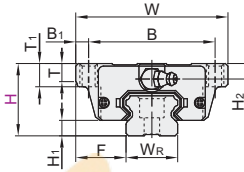
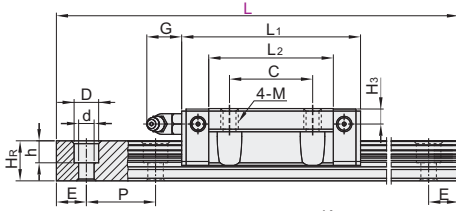


Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IAY21	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IAY23				2		



Inventory

Refer to page P136 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	H <sub>1</sub>	F	Block Dimensions										
Code	H				W	B	B <sub>1</sub>	C	L <sub>1</sub>	L <sub>2</sub>	K <sub>1</sub>	G	M	T	H <sub>2</sub>
IAY21	24	100~1480	4.5	18.5	52	41	5.5	26	57.8	39.8	10.15	5.7	M5	5	5.5
IAY23	28	100~1480	6	19.5	59	49	5	32	70.3	48.1	12.3	12	M6	7	6
	33	100~1960	7	25	73	60	6.5	35	83.2	59	16.15	12	M8	7.5	8

Guide Rail Dimensions								Basic Load Rating(KN)			Allowable Static Moment(N-m)			Weight	
H <sub>3</sub>	W <sub>R</sub>	H <sub>R</sub>	D	h	d	P	Set screw	C(Dynamic)	Co(Static)	M <sub>R</sub>	M <sub>P</sub>	M <sub>V</sub>	Blocks(kg)	Guide Rails(kg/m)	
6	15	12.5	7.5	5.3	4.5	60	M4×16	7.83	16.19	0.13	0.1	0.1	0.21	1.25	
6	20	15.5	9.5	8.5	6	60	M5×16	10.31	21.13	0.22	0.16	0.16	0.32	2.08	
8	23	18	11	9	7	60	M6×20	16.27	32.4	0.38	0.32	0.32	0.59	2.67	

The minimum value of L size depends on the length of the slider and the number of sliders, please confirm.

N(Number of Mounting Holes)/

E(Distance from screw center hole to end face)

N(Number of Mounting Holes)/

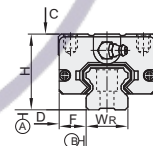
E(Distance from screw center hole to end face)

Accuracy Standards

H	L	N	E
	1 mm Increment	(Number of Mounting Holes)	
24	100~131	2	
	132~191	3	
	192~251	4	
	252~311	5	
	312~371	6	
	372~431	7	
	432~491	8	
	492~551	9	
	552~611	10	
	612~671	11	
	672~731	12	
	732~791	13	
	792~851	14	
	852~911	15	
	912~971	16	
	972~1031	17	
	1032~1091	18	
	1092~1151	19	
	1152~1211	20	
	1212~1271	21	
	1272~1331	22	
	1332~1391	23	
	1392~1451	24	
	1452~1480	25	
	100~139	2	
140~199	3		
200~259	4		
260~319	5		
320~379	6		
380~439	7		
440~499	8		
500~559	9		
560~619	10		
620~679	11		
680~739	12		
740~799	13		
800~859	14		
860~919	15		
920~979	16		
980~1039	17		
1040~1099	18		

H	L	N	E
	1 mm Increment	(Number of Mounting Holes)	
28	1100~1159	19	
	1160~1219	20	
	1220~1279	21	
	1280~1339	22	
	1340~1399	23	
	1400~1459	24	
	1460~1480	25	
	100~141	2	
	142~201	3	
	202~261	4	
	262~321	5	
	322~381	6	
	382~441	7	
	442~501	8	
	502~561	9	
	562~621	10	
	622~681	11	
	682~741	12	
	742~801	13	
	802~861	14	
	862~921	15	
	922~981	16	
	982~1041	17	
	1042~1101	18	
	1102~1161	19	
1162~1221	20		
1222~1281	21		
1282~1341	22		
1342~1401	23		
1402~1461	24		
1462~1521	25		
1522~1581	26		
1582~1641	27		
1642~1701	28		
1702~1761	29		
1762~1821	30		
1822~1881	31		
1882~1941	32		
1942~1960	33		

Dimensional Accuracy(μm)		
1 Block	Height H Tolerance	±0.1
	Width F Tolerance	±0.1
2 Blocks	Height H Pair Variation	0.02
	Width F Pair Variation(Datum track)	0.03
Running Parallelism of Plane C against Plane A		Refer to page P136 for accuracy class selection
Running Parallelism of Plane D against Plane B		



Part Number	Code	H	L
IAY21	24	100~1480	
IAY23	28	100~1480	
	33	100~1960	

IAY21 — H28 — L260



Discount price		
Per	1~9	10~
Price	100%	Additional quotation



Delivery  
10

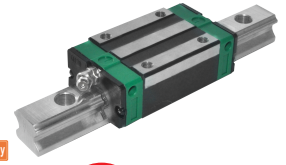
P: Distance between screw holes

E: Distance from screw center hole to end face

# Economical High-assembly High Type Linear Guide

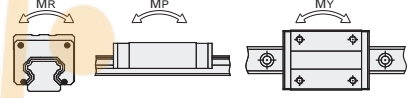
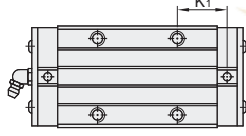
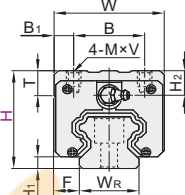
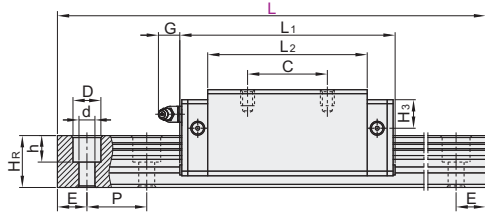
Heavy Load, Interchangeable  
Standard Grade, Light Preload(FC)

Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IBC21	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IBC23				2		

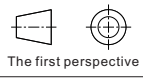


Inventory

Refer to page P1361 for accuracy grade selection.



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



Part Number	Code	H	L	H <sub>1</sub>	F	Block Dimensions											
						W	B	B <sub>1</sub>	C	L <sub>1</sub>	L <sub>2</sub>	K <sub>1</sub>	G	M×V	T	H <sub>2</sub>	
IBC21	28	28	100~1480	4.3	9.5	34	26	4	26	61.4	39.4	10	5.3	M4×5	6	7.95	
	30	30	100~1960	4.4	12	44	32	6	36	77.5	50.5	12.25	5.3	M5×6	8	6	
IBC23	40	40	100~1960	5.4	12.5	48	35	6.5	35	84	58	15.7	12	M6×8	8	10	
	45	45	200~1960	5.5	16	60	40	10	40	97.4	70	20.25	12	M8×10	8.5	9.5	



Part Number	Code	H	L
IBC21	28	100~1480	
IBC23	40	100~1960	
IBC21	45	200~1960	

IBC21 — H30 — L260  
Discount price  
Per 1-9 10-  
Price 100% Additional quotation

Delivery 10

Guide Rail Dimensions							Basic Load Rating(KN)		Allowable Static Moment(N-m)			Weight		
H <sub>3</sub>	W <sub>R</sub>	H <sub>R</sub>	D	h	d	P	Set screw	C(Dynamic)	Co(Static)	M <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	Blocks(kg)	Guide Rails(kg/m)
7.7	15	15	7.5	5.3	4.5	60	M4×16	11.38	25.31	0.17	0.15	0.15	0.18	1.45
6	20	17.5	9.5	8.5	6	60	M5×16	17.75	37.84	0.38	0.27	0.27	0.3	2.21
9	23	22	11	9	7	80	M6×20	26.48	56.19	0.64	0.51	0.51	0.51	3.21
13.8	28	26	14	12	9	80	M8×25	38.74	83.06	1.06	0.85	0.85	0.88	4.47

The minimum value of L size depends on the length of the slider and the number of sliders, please confirm.

N(Number of Mounting Holes)/

E(Distance from screw center hole to end face)

N(Number of Mounting Holes)/

E(Distance from screw center hole to end face)

N(Number of Mounting Holes)/

E(Distance from screw center hole to end face)

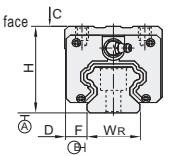
H	L	N	E
	1mm Increment	(Number of Mounting Holes)	
28	100~139	2	
	140~199	3	
	200~259	4	
	260~319	5	
	320~379	6	
	380~439	7	
	440~499	8	
	500~559	9	
	560~619	10	
	620~679	11	
	680~739	12	
	740~799	13	
	800~859	14	
	860~919	15	
	920~979	16	
	980~1039	17	
	1040~1099	18	
1100~1159	19		
1160~1219	20		
1220~1279	21		
1280~1339	22		
1340~1399	23		
1400~1459	24		
1460~1480	25		
100~139	2		
140~199	3		
200~259	4		
260~319	5		
320~379	6		
380~439	7		
440~499	8		
500~559	9		
560~619	10		
620~679	11		
680~739	12		
740~799	13		
800~859	14		
860~919	15		
920~979	16		
980~1039	17		
1040~1099	18		
1100~1159	19		
1160~1219	20		

H	L	N	E
	1mm Increment	(Number of Mounting Holes)	
30	1220~1279	21	
	1280~1339	22	
	1340~1399	23	
	1400~1459	24	
	1460~1519	25	
	1520~1579	26	
	1580~1639	27	
	1640~1699	28	
	1700~1759	29	
	1760~1819	30	
	1820~1879	31	
	1880~1939	32	
	1940~1960	33	
	100~141	2	
	142~201	3	
	202~261	4	
	262~321	5	
322~381	6		
382~441	7		
442~501	8		
502~561	9		
562~621	10		
622~681	11		
682~741	12		
742~801	13		
802~861	14		
862~921	15		
922~981	16		
982~1041	17		
1042~1101	18		
1102~1161	19		
1162~1221	20		
1222~1281	21		
1282~1341	22		
1342~1401	23		
1402~1461	24		
1462~1521	25		
1522~1581	26		
1582~1641	27		
1642~1701	28		
1702~1761	29		
1762~1821	30		
1822~1881	31		

H	L	N	E
	1mm Increment	(Number of Mounting Holes)	
40	1882~1941	32	
	1942~1960	33	
	200~279	3	
	280~343	4	
	344~423	5	
	424~503	6	
	504~583	7	
	584~663	8	
	664~743	9	
	744~823	10	
	824~903	11	
	904~983	12	
	984~1063	13	
	1064~1143	14	
	1144~1223	15	
	1224~1303	16	
	1304~1383	17	
1384~1463	18		
1464~1543	19		
1544~1623	20		
1624~1703	21		
1704~1783	22		
1784~1863	23		
1864~1943	24		
1944~1960	25		

$$E = \frac{L - (N-1) \times P}{2}$$

P: Distance between screw holes  
E: Distance from screw center hole to end face

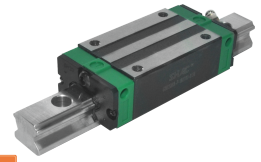


Accuracy Standards

Dimensional Accuracy (μm)		
1 Block	Height H Tolerance	±0.1
	Width F Tolerance	±0.1
2 Blocks	Height H Pair Variation	0.02
	Width F Pair Variation(Datum track)	0.03
Running Parallelism of Plane C against Plane A		Refer to page P1361 for accuracy grade selection
Running Parallelism of Plane D against Plane B		Refer to page P1361 for accuracy grade selection

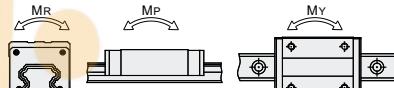
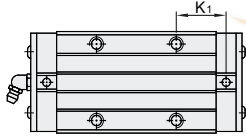
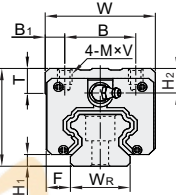
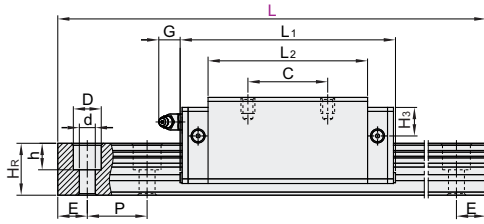
Linear Guides E3

Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IBF21	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IBF23				2		

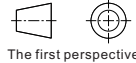


Inventory

Refer to page P1361 for accuracy grade selection.



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



Part Number		L	H <sub>1</sub>	F	Block Dimensions											
Code	H				W	B	B <sub>1</sub>	C	L <sub>1</sub>	L <sub>2</sub>	K <sub>1</sub>	G	M×V	T	H <sub>2</sub>	
IBF21	30	100~1960	4.4	12	44	32	6	50	92.2	65.2	12.6	12	M5×6	8	6	
	40	160~1960	5.4	12.5	48	35	6.5	60	104.6	78.6	18.5	12	M6×8	8	10	
IBF23	45	200~1960	5.5	16	60	40	10	60	120.4	93	21.75	12	M8×10	8.5	9.5	

The minimum value of L size depends on the length of the slider and the number of sliders, please confirm.

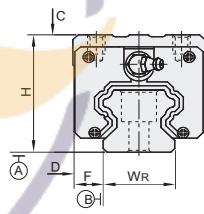
Guide Rail Dimensions							Basic Load Rating (KN)		Allowable Static Moment (N-m)			Weight		
H <sub>3</sub>	W <sub>R</sub>	H <sub>R</sub>	D	h	d	P	Set screw	C (Dynamic)	Co (Static)	M <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	Blocks (kg)	Guide Rails (kg/m)
6	20	17.5	9.5	8.5	6	60	M5×16	21.18	48.84	0.48	0.47	0.47	0.39	2.21
9	23	22	11	9	7	60	M6×20	32.75	76	0.87	0.88	0.88	0.69	3.21
13.8	28	26	14	12	9	80	M8×25	42.27	110.13	1.4	1.47	1.47	1.16	4.47

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

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

H	L	N	E
	1 mm Increment	(Number of Mounting Holes)	
30	100~139	2	$E = \frac{L - (N-1) \times P}{2}$
	140~199	3	
	200~259	4	
	260~319	5	
	320~379	6	
	380~439	7	
	440~499	8	
	500~559	9	
	560~619	10	
	620~679	11	
	680~739	12	
	740~799	13	
	800~859	14	
	860~919	15	
	920~979	16	
	980~1039	17	
	1040~1099	18	
	1100~1159	19	
	1160~1219	20	
	1220~1279	21	
1280~1339	22		
1340~1399	23		
1400~1459	24		
1460~1519	25		
1520~1579	26		
1580~1639	27		
1640~1699	28		
1700~1759	29		
1760~1819	30		
1820~1879	31		
1880~1939	32		
1940~1960	33		
40	160~199	3	
	200~261	4	
	262~321	5	
	322~381	6	
	382~441	7	
	442~501	8	
	502~561	9	
	562~621	10	
622~681	11		
682~741	12		
742~801	13		
802~861	14		

H	L	N	E
	1 mm Increment	(Number of Mounting Holes)	
40	862~921	15	$E = \frac{L - (N-1) \times P}{2}$
	922~981	16	
	982~1041	17	
	1042~1101	18	
	1102~1161	19	
	1162~1221	20	
	1222~1281	21	
	1282~1341	22	
	1342~1401	23	
	1402~1461	24	
	1462~1521	25	
	1522~1581	26	
	1582~1641	27	
	1642~1701	28	
	1702~1761	29	
	1762~1821	30	
	1822~1881	31	
	1882~1941	32	
	1942~1960	33	
	45	200~279	
280~343		4	
344~423		5	
424~503		6	
504~583		7	
584~663		8	
664~743		9	
744~823		10	
824~903		11	
904~983		12	
984~1063		13	
1064~1143		14	
1144~1223		15	
1224~1303		16	
1304~1383		17	
1384~1463	18		
1464~1543	19		
1544~1623	20		
1624~1703	21		
1704~1783	22		
1784~1863	23		
1864~1943	24		
1944~1960	25		



Accuracy Standards

Dimensional Accuracy (μm)		
1 Block	Height H Tolerance	±0.1
	Width F Tolerance	±0.1
2 Blocks	Height H Pair Variation	0.02
	Width F Pair Variation (Datum track)	0.03
Running Parallelism of Plane C against Plane A		Refer to page P1361 for accuracy grade selection
Running Parallelism of Plane D against Plane B		



Part Number	Code	H	L
IBF21	30	100~1960	
IBF23	40	160~1960	
	45	200~1960	

IBF21 — H40 — L260



Discount price  
Per 1~9 10~  
Price 100% Additional quotation



Delivery  
10

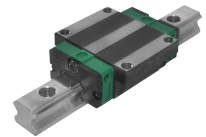
P: Distance between screw holes

E: Distance from screw center hole to end face

# Economical High-assembly High Type Linear Guide

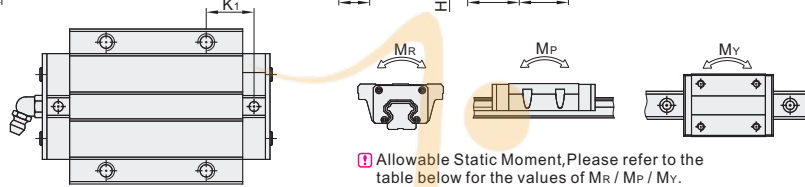
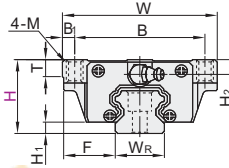
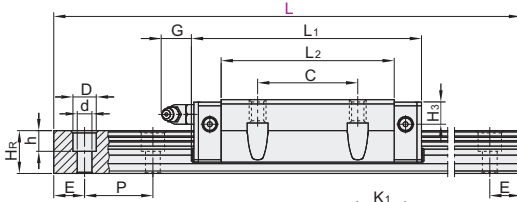
Heavy Load, Blocks Flange, Interchangeable Standard Grade, Light Preload(FC)

Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IBJ21	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IBJ23				2		



Inventory

Refer to page P136 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 Code	H	L	H <sub>1</sub>	F	Block Dimensions										
					W	B	B <sub>1</sub>	C	L <sub>1</sub>	L <sub>2</sub>	K <sub>1</sub>	G	M	T	
IBJ21 IBJ23	24	100~1480	4.3	16	47	38	4.5	30	61.4	39.4	8	5.3	M5	6	
	30	100~1480	4.4	21.5	63	53	5	40	77.5	50.5	10.25	12	M6	8	
	36	100~1480	5.4	23.5	70	57	6.5	45	84	58	10.7	12	M8	8	
	42	200~1480	5.5	31	90	72	9	52	97.4	70	14.25		M10	8.5	

The minimum value of L size depends on the length of the slider and the number of sliders, please confirm.

Guide Rail Dimensions										Set screw	Basic Load Rating(KN)		Allowable Static Moment(N-m)			Weight	
H <sub>2</sub>	H <sub>3</sub>	W <sub>R</sub>	H <sub>R</sub>	D	h	d	4.5	P	C(Dynamic)		C <sub>0</sub> (Static)	M <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	Blocks(kg)	Guide Rails(kg/m)	
3.95	3.7	15	15	7.5	5.3	4.5			M4×16	11.38	25.31	0.17	0.15	0.15	0.17	1.45	
6	6	20	17.5	9.5	8.5	6		60	M5×16	17.75	37.84	0.38	0.27	0.27	0.4	2.21	
6	5	23	22	11	9	7			M6×20	26.48	56.19	0.64	0.51	0.51	0.59	3.21	
6.5	10.8	28	26	14	12	9		80	M8×25	38.74	83.06	1.06	0.85	0.85	1.09	4.47	

N(Number of Mounting Holes)/

E(Distance from screw center hole to end face)

H	L	N	E
	1mm Increment	(Number of Mounting Holes)	
24	100~131	2	
	132~191	3	
	192~251	4	
	252~311	5	
	312~371	6	
	372~431	7	
	432~491	8	
	492~551	9	
	552~611	10	
	612~671	11	
	672~731	12	
	732~791	13	
	792~851	14	
	852~911	15	
	912~971	16	
	972~1031	17	
	1032~1091	18	
1092~1151	19		
1152~1211	20		
1212~1271	21		
1272~1331	22		
1332~1391	23		
1392~1451	24		
1452~1480	25		
30	100~139	2	
	140~199	3	
	200~259	4	
	260~319	5	
	320~379	6	
	380~439	7	
	440~499	8	
	500~559	9	
	560~619	10	
	620~679	11	
	680~739	12	
	740~799	13	
	800~859	14	
	860~919	15	
	920~979	16	
	980~1039	17	
	1040~1099	18	
1100~1159	19		
1160~1219	20		
1220~1279	21		
1280~1339	22		
1340~1399	23		

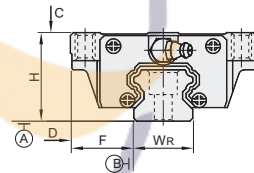
$$E = \frac{L \cdot (N-1) \times P}{2}$$

N(Number of Mounting Holes)/

E(Distance from screw center hole to end face)

H	L	N	E
	1mm Increment	(Number of Mounting Holes)	
30	1400~1459	24	
	1460~1480	25	
	100~139	2	
	140~199	3	
	200~261	4	
	262~321	5	
	322~381	6	
	382~441	7	
	442~501	8	
	502~561	9	
	562~621	10	
	622~681	11	
	682~741	12	
	742~801	13	
	802~861	14	
	862~921	15	
	922~981	16	
982~1041	17		
1042~1101	18		
1102~1161	19		
1162~1221	20		
1222~1281	21		
1282~1341	22		
1342~1401	23		
1402~1461	24		
1462~1480	25		
42	200~279	3	
	280~343	4	
	344~423	5	
	424~503	6	
	504~583	7	
	584~663	8	
	664~743	9	
	744~823	10	
	824~903	11	
	904~983	12	
	984~1063	13	
	1064~1143	14	
	1144~1223	15	
	1224~1303	16	
	1304~1383	17	
	1384~1463	18	
	1464~1480	19	

$$E = \frac{L \cdot (N-1) \times P}{2}$$



Accuracy Standards

Dimensional Accuracy(μm)		
1 Block	Height H Tolerance	±0.1
	Width F Tolerance	±0.1
2 Blocks	Height H Pair Variation	0.02
	Width F Pair Variation(Datum track)	0.03
Running Parallelism of Plane C against Plane A		Refer to page P136 for accuracy grade selection
Running Parallelism of Plane D against Plane B		



Part Number Code	H	L
IBJ21	24	100~1480
IBJ23	30	100~1480
	36	100~1480

IBJ21 - H30 - L260



Per	1~9	10~
Price	100%	Additional quotation

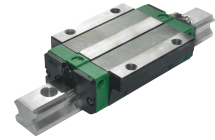


10

P: Distance between screw holes

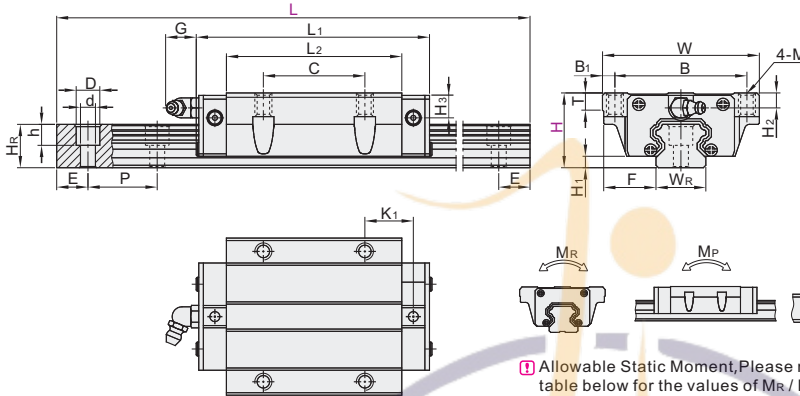
E: Distance from screw center hole to end face

Code	Type	Accuracy Grade	Block Mounting Type	Number of Blocks	Guide Rail Mounting Type	Material
IBP21	Set	Standard Grade	Mounting from Top	1	Mounting from Top	Alloy Steel
IBP23				2		

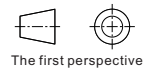


Inventory

Refer to page P1361 for accuracy grade selection.



Allowable Static Moment, Please refer to the table below for the values of  $M_R$  /  $M_P$  /  $M_Y$ .



Part Number	Code	H	L	H <sub>1</sub>	F	Block Dimensions									
						W	B	B <sub>1</sub>	C	L <sub>1</sub>	L <sub>2</sub>	K <sub>1</sub>	G	M	T
IBP21	30	110~1480	4.4	21.5	63	53	5	40	92.2	65.2	17.6	12	M6	8	
IBP23	36	160~1480	5.4	23.5	70	57	6.5	45	104.6	78.6	21	12	M8	8	
	42	160~1480	5.5	31	90	72	9	52	120.4	93	25.75	12	M10	8.5	

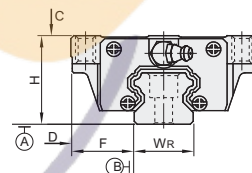
The minimum value of L size depends on the length of the slider and the number of sliders, please confirm.

Guide Rail Dimensions									Basic Load Rating(KN)			Allowable Static Moment(N-m)			Weight	
H <sub>2</sub>	H <sub>3</sub>	W <sub>R</sub>	H <sub>R</sub>	D	h	d	P	Set screw	C(Dynamic)	Co(Static)	M <sub>R</sub>	M <sub>P</sub>	M <sub>Y</sub>	Blocks(kg)	Guide Rails(kg/m)	
6	6	20	17.5	9.5	8.5	6	60	M5×16	21.18	48.84	0.48	0.47	0.47	0.52	2.21	
6	5	23	22	11	9	6	60	M6×20	32.75	76	0.87	0.88	0.88	0.8	3.21	
6.5	10.8	28	26	14	12	9	80	M8×25	47.27	110.13	1.4	1.47	1.47	1.44	4.47	

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

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

H	L	N (Number of Mounting Holes)	E	H	L	N (Number of Mounting Holes)	E
30	110~139	2	$E = \frac{L - (N-1) \times P}{2}$	36	682~741	12	$E = \frac{L - (N-1) \times P}{2}$
	140~199	3			742~801	13	
	200~259	4			802~861	14	
	260~319	5			862~921	15	
	320~379	6			922~981	16	
	380~439	7			982~1041	17	
	440~499	8			1042~1101	18	
	500~559	9			1102~1161	19	
	560~619	10			1162~1221	20	
	620~679	11			1222~1281	21	
	680~739	12			1282~1341	22	
	740~799	13			1342~1401	23	
	800~859	14			1402~1461	24	
	860~919	15			1462~1480	25	
	920~979	16			160~199	2	
980~1039	17	200~279	3				
1040~1099	18	280~343	4				
1100~1159	19	344~423	5				
1160~1219	20	424~503	6				
1220~1279	21	504~583	7				
1280~1339	22	584~663	8				
1340~1399	23	664~743	9				
1400~1459	24	744~823	10				
1460~1480	25	824~903	11				
36	160~199	3	904~983	12			
	200~261	4	984~1063	13			
	262~321	5	1064~1143	14			
	322~381	6	1144~1223	15			
	382~441	7	1224~1303	16			
	442~501	8	1304~1383	17			
	502~561	9	1384~1463	18			
	562~621	10	1464~1480	19			
	622~681	11					



Accuracy Standards

Dimensional Accuracy(μm)		
1 Block	Height H Tolerance	±0.1
	Width F Tolerance	±0.1
2 Blocks	Height H Pair Variation	0.02
	Width F Pair Variation(Datum track)	0.03
Running Parallelism of Plane C against Plane A		Refer to page P1361 for accuracy grade selection
Running Parallelism of Plane D against Plane B		



Please order as shown

Part Number	H	L
Code	30	110~1480
IBP21	36	160~1480
IBP23	42	160~1480

IBP21—H36—L260



Discount price  
Per 1~9 10~  
Price 100% Additional quotation



Delivery  
10

P: Distance between screw holes

E: Distance from screw center hole to end face