



# YOSO·THK·HIWIN·PMI·TBI

Model comparison table of linear guide rail

## YOSO High Assembly Slider

Model example: **YGH** **20** **LC** **2** **UU** **Z0** + **1200L** **N** **II** **U** **N3** **N3** (G1=G2=30)

① Series Name

② Size

③ Type of LM block

④ No. of Blocks per Rail

⑤ SEAL

⑧ Preload

⑫ Rail Surface Treatment

⑪ Block Surface Treatment

⑩ Rail Special Machining

⑨ Two Sets per Axis

⑦ Accuracy Grade

⑥ Length of Rail(mm)

**THK** — **HSR** **20** **LR** **2** **QZ** **SS** **C0** **M** + **1400I** **P** **T** **M** - **II**

① ② ③ ④ ⑧ ⑥ ⑦ ⑨

**HIWIN** — **HG** **W** **25** **C** **A** **E** **2** **R** **1600** **E** **ZA** **P** **II** + **DD/E2/RC**

① ③ ② ④ ⑥ ⑧ ⑦ ⑨

**PMI** — **MSA** **25** **A** **2** **SS** **F0** + **R** **1200** - **20** / **40** **P** **II**

① ② ③ ④ ⑧ ⑥ ⑦ ⑨

**TBI** — **TRH** **20** **FN** - **2** - **1200** - **N** - **Z0** - **II** - **K** + **N3** **N3**

① ② ③ ④ ⑥ ⑦ ⑧ ⑨ ⑪ ⑫

### ⑦ Accuracy Grade

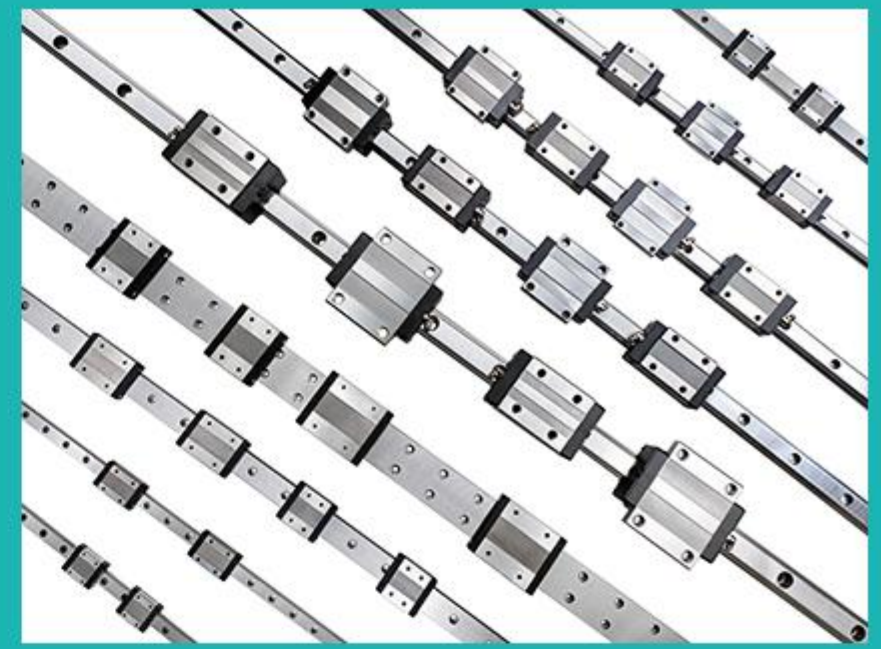
Accuracy	YOSO	THK	HIWIN	PMI	TBI
Ultra-precision	UP	UP	UP	UP	UP
Super-precision	SP	SP	SP	SP	SP
Precision	P	P	P	P	P
High	H	H	H	H	H
Normal	N	No Symbol	C	N	N

### ⑧ Preload

Preload	YOSO	THK	HIWIN	PMI	TBI
Slight Clearance	ZF	-	-	-	ZF
No preload	Z0	No Symbol	Z0	-	Z0
Light Preload	Z1	C1	ZA	FC	Z1
Medium Preload	Z2	C0	ZB	F0	Z2
Heavy Preload	Z3	-	-	F1	Z3

**YOSO 京澎机械设备（上海）有限公司 滑轨于其他品牌替代对照表**

	YOSO	THK	HIWIN	PMI	TBI
高 组 装 滑 块	YGH15R	HSR15R	HGH15CA	MSA15S	TRH15VN
	YGH20R	HSR20R	HGH20CA	MSA20S	TRH20VN
	YGH20LR	HSR20LR	HGH20HA	MSA20LS	TRH20VE
	YGH25R	HSR25R	HGH25CA	MSA25S	TRH25VN
	YGH25LR	HSR25LR	HGH25HA	MSA25LS	TRH25VE
	YGH30R	HSR30R	HGH30CA	MSA30S	TRH30VN
	YGH30LR	HSR30LR	HGH30HA	MSA30LS	TRH30VE
	YGH35R	HSR35R	HGH35CA	MSA35S	TRH35VN
	YGH35LR	HSR35LR	HGH35HA	MSA35LS	TRH35VE
	YGH45R	HSR45R	HGH45CA	MSA45S	TRH45VL
	YGH45LR	HSR45LR	HGH45HA	MSA45LS	TRH45VE
	YGH55R	HSR55R	HGH55CA	MSA55S	
	YGH55LR	HSR55LR	HGH55HA	MSA55LS	
	YGH65R		HGH65CA		
	YGH65LR		HGH65HA		
	YGH15C	HSR15A	HGW15CC	MSA15A	TRH15FN
	YGH20C	HSR20A	HGW20CC	MSA20A	TRH20FN
	YGH20LC	HSR20LA	HGW20HC	MSA20LA	TRH20FE
	YGH25C	HSR25A	HGW25CC	MSA25A	TRH25FN
	YGH25LC	HSR25LA	HGW25HC	MAS25LA	TRH25FE
	YGH30C	HSR30A	HGW30CC	MSA30A	TRH30FN
	YGH30LC	HSR30LA	HGW30HC	MSA30LA	TRH30FE
	YGH35C	HSR35A	HGW35CC	MSA35A	TRH35FN
	YGH35LC	HSR35LA	HGW35HC	MSA35LA	TRH35FE
	YGH45C	HSR45A	HGW45CC	MSA45A	TRH45FL
	YGH45LC	HSR45LA	HGW45HC	MSA45LA	TRH45FE
	YGH55C	HSR55A	HGW55CC	MSA55A	
	YGH55LC	HSR55LA	HGW55HC	MSA55LA	
	YGH65C	HSR65A	HGW65CC	MSA65A	
	YGH65LC	HSR65LA	HGW65HC	MSA65LA	



# YOSO·THK·HIWIN·PMI

Model comparison table of linear guide rail

## YOSO High Assembly Slider

Model example: **YSR 20 LC 2 UU Z0 + 1200L N II U N3 N3** (G1=G2=20)

① Series Name

② Size

③ Type of LM block

④ No. of Blocks per Rail

⑤ SEAL

⑧ Preload

⑫ Rail Surface Treatment

⑪ Block Surface Treatment

⑩ Rail Special Machining

⑨ Two Sets per Axis

⑦ Accuracy Grade

⑥ Length of Rail(mm)

**THK** — **SSR20X W 2 QZ UU C1 M + 1200L Y P T M - II**

① ② ③ ④ ⑧ ⑥ ⑦ ⑨

**HIWIN** — **EG W 25 C A E 2 R 1600 E ZA P II + KK/E2/RC**

① ③ ② ④ ⑥ ⑧ ⑦ ⑨

**PMI** — **MSB 25 E 2 SS F0 + R 1200 -20 /40 P II**

① ② ③ ④ ⑧ ⑥ ⑦ ⑨

### ⑦ Accuracy Grade

Accuracy	YOSO	THK	HIWIN	PMI
Ultra-precision	UP	UP	UP	UP
Super-precision	SP	SP	SP	SP
Precision	P	P	P	P
High	H	H	H	H
Normal	N	No Symbol	C	N

### ⑧ Preload

Preload	YOSO	THK	HIWIN	PMI
Slight Clearance	ZF	-	-	-
No preload	Z0	No Symbol	Z0	-
Light Preload	Z1	C1	ZA	FC
Medium Preload	Z2	C0	ZB	F0
Heavy Preload	Z3	-	-	F1

## YOSO 京澎机械设备（上海）有限公司 滑轨于其他品牌替代对照表

	YOSO	THK	HIWIN	PMI	TBI
低 组 装 滑 块	YSR15R	SSR15XV	EGH15SA	MSB15S	
	YSR15LR	SSR15XW	EGH15CA	MSB15LS	
	YSR20R	SSR20XV	EGH20SA	MSB20S	
	YSR20LR	SSR20XW	EGH20CA	MSB20LS	
	YSR25R	SSR25XV	EGH25SA	MSB25S	
	YSR25LR	SSR25XW	EGH25CA	MSB25LS	
	YSR30R	SSR30XV	EGH30SA	MSB30S	
	YSR30LR	SSR30XW	EGH30CA	MSB30LS	
	YSR35R	SSR35XV	EGH35SA		
	YSR35LR	SSR35XW	EGH35CA		
	YSR15C		EGW15SA	MSB15TE	
	YSR15LC	SSR15XTB	EGW15CA	MSB15E	
	YSR20C		EGW20SA	MSB20TE	
	YSR20LC	SSR20XTB	EGW20CA	MSB20E	
	YSR25C		EGW25SA	MSB25TE	
	YSR25LC	SSR25XTB	EGW25CA	MSB25E	
	YSR30C		EGW30SA	MSB30TE	
	YSR30LC	SR30TB	EGW30CA	MSB30E	
	YSR35C		EGW35SA		
	YSR35LC	SR35TB	EGW35CA		
	YGL15R		HGL15CA		
	YGL15LR				
	YGL25R		HGL25CA		
	YGL25LR		HGL25HA		
	YGL30R		HGL30CA		
	YGL30LR		HGL30HA		
	YGL35R		HGL35CA		
	YGL35LR		HGL35HA		
	YGL45R		HGL45CA		
	YGL45LR		HGL45HA		
YGL55R		HGL55CA			

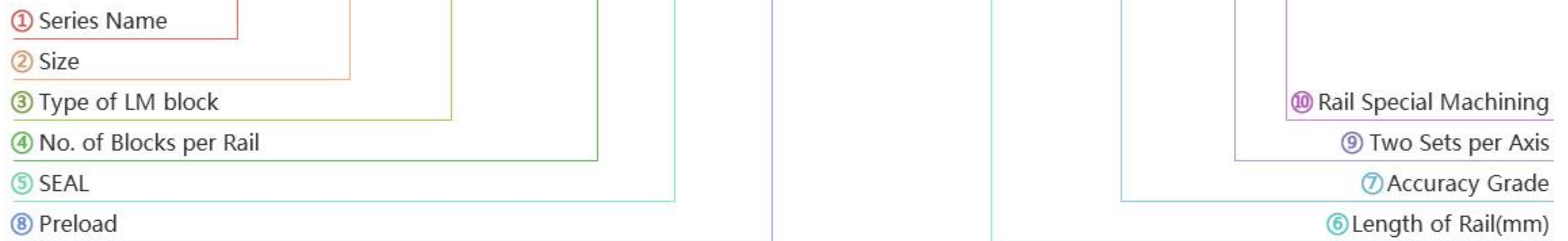


# YOSO·THK·HIWIN·IKO·CPC

Model comparison table of linear guide rail

## YOSO High Assembly Slider

Model example: **YSS 07 MN A 2 UU Z0 + 1000L N A II E** (G1=G2=5)



**THK** — **2 RSR 3 WM UU C1 + 80L P M - II**  
④ ① ② ③ ⑧ ⑥ ⑦ ⑨

**HIWIN** — **MGN 12 C E 2 R1600 E Z1 P M II + U/RC/-O**  
① ② ③ ④ ⑥ ⑧ ⑦ ⑨

**IKO** — **LWL C 12 C1 R200 B T1 P S1 /U**  
① ③ ② ④ ⑥ ⑧ ⑦

**CPC** — **MR U 15 MN K EE 2 V1 P - 310L -15 -15 II J**  
① ② ③ ④ ⑧ ⑦ ⑥ ⑨

### ⑦ Accuracy Grade

Accuracy	YOSO	THK	HIWIN	IKO	CPC
Precision	P	P	P	P	P
High	H	-	H	H	H
Normal	N	No Symbol	C	-	N

### ⑧ Preload

Preload	YOSO	THK	HIWIN	IKO	CPC
Slight Clearance	ZF	-	ZF	T0	VS
No preload	Z0	No Symbol	Z0	No Symbol	V0
Light Preload	Z1	C1	Z1	T1	V1

**YOSO 京澎机械设备（上海）有限公司 滑轨于其他品牌替代对照表**

	YOSO	IKO	THK	HIWIN	CPC
微型滑块	YSS3MS	LWLC3			
	YSS3MN	LWL3			
	YSS3WS	LWLFC6			
	YSS3WN	LWLF6			
	YSS5MS	LWLC5	RSR5M	MGN5C	MR5MN
	YSS5MS+QZ	MLC5			
	YSS5MN	LWL5--B	RSR5N	MGN5H	MR5ML
	YSS5MN+QZ	ML5			
	YSS5WS	LWLFC10	RSR5WM	MGW5C	MR5WN
	YSS5WS+QZ	MLFC10			
	YSS5WN	LWLF10	RSR5WN	MGW5H	MR5WL
	YSS5WN	MLF10			
	YSS7MS	LWL7--B	RSR7M	MGN7C	MR7MN
			SRS7M		
			RSH7M		
	YSS7MS+QZ	ML7			
	YSS7MN	LWLG7--B	RSR7N	MGN7H	MR7ML
			SRS7N		
	YSS7MN+QZ	MLG7--B			
	YSS7WS	LWLF14--B	RSR7WM	MGW7C	MR7WN
			SRS7WM		
	YSS7WS+QZ	MLF14--B			
	YSS7WN	LWLFG14	RSR7WN	MGW7H	MR7WL
			SRS7WN		
	YSS7WN+QZ	MLFG14			
	YSS9MS	LWL9--B	RSR9M	MGN9C	MR9MN
			SRS9M		
			SRS9GM		
YSS9MS+QZ	ML9				
YSS9MN	LWLG9--B	RSR9N	MGN9H	MR9ML	
		SRS9N			
YSS9MN+QZ	MLG9				

YSS9WS	LWLF18--B	RSR9WM	MGW9C	MR9WN
		SRS9WM		
YSS9WS+QZ	MLF18			
YSS9WN	LWLFG18--B	RSR9WN	MGW9H	MR9WL
		SRS9WN		
YSS9WN+QZ	MLFG18			
YSS12MS	LWL12--B	RSR12M	MGN12C	MR12MN
		SRS12M		
YSS12MS+QZ	ML12			
YSS12MN	LWLG12--B	RSR12N	MGN12H	MR12ML
		SRS12N		
YSS12MN+QZ	MLG12			
YSS12WS	LWLF24--B	RSR12WM	MGW12C	MR12WN
		SRS12WM		
YSS12WS+QZ	MLF24			
YSS12WN	LWLFG24--B	RSR12WN	MGNW12H	MR12WL
		SRS12WN		
YSS12WN+QZ	MLFG24			
YSS15MS	LWL15--B	RSR15M	MGN15C	MR15MN
		SRS15M		
YSS15MS+QZ	ML15			
YSS15MN	LWLG15--B	RSR15N	MGN15H	MR15ML
		SRS15N		
YSS15MN+QZ	ML15			
YSS15WS	LWLF42--B	RSR15WM	MGW15C	MR15WN
		SRS15WM		
YSS15WS+QZ	MLF42			
YSS15WN	LWLFG42--B	RSR15WN	MGW15H	MR15WL
		SRS15WN		
	MLFG42			



# YOSO·HIWIN·THK·PMI·NSK

Model comparison table of linear guide rail

## YOSO High Assembly Slider

Model example: **YGG30LC2UUZ0** + **1200LNIIUN3N3** (G1=G2=20)

- ① Series Name
- ② Size
- ③ Type of LM block
- ④ No. of Blocks per Rail
- ⑤ SEAL
- ⑧ Preload
- ⑥ Length of Rail(mm)
- ⑦ Accuracy Grade
- ⑨ Two Sets per Axis
- ⑩ Rail Special Machining
- ⑪ Block Surface Treatment
- ⑫ Rail Surface Treatment

**HIWIN** — **RGW25CAE2R1600EZA P II** + DD/E2/RC

**PMI** — **MSR25S2SSF0** + R **1200-20/40 P II**

**THK** — **SRG20LR2QZSSC0M** + **1400I P T M - II**

**NSK** — **RAA201000AN C 2 - \*\* P6 Z**

### ⑦ Accuracy Grade

Accuracy	YOSO	THK	HIWIN	PMI	NSK
Ultra-precision	UP	UP	UP	UP	P3
Super-precision	SP	SP	SP	SP	P4
Precision	P	P	P	P	P5
High	H	H	H	H	P6
Normal	N	No Symbol	-	N	-

### ⑧ Preload

Preload	YOSO	THK	HIWIN	PMI	NSK
Slight Clearance	ZF	-	-	-	-
No preload	Z0	No Symbol	Z0	-	Z1
Light Preload	Z1	C1	ZA	FC	-
Medium Preload	Z2	C0	ZB	F0	Z3
Heavy Preload	Z3	-	-	F1	-



## YOSO 京澎机械设备（上海）有限公司 滑轨于其他品牌替代对照表

	YOSO	HIWIN	PMI	THK	NSK
滚柱型滑块	YGG20R	RGH20CA	MSR20S	SRG20R	RAA20AN
	YGG20LR	RGH20HA	MSR20LS	SRG20LR	RAA20BN
	YGG25R	RGH25CA	MSR25S	SRG25R	RAA25AN
	YGG25LR	RGH25HA	MSR25LS	SRG25LR	RAA25BN
	YGG30R	RGH30CA	MSR30S	SRG30R	RAA30AN
	YGG30LR	RGH30HA	MSR30LS	SRG30LR	RAA30BN
	YGG35R	RGH35CA	MSR35S	SRG35R	RAA35AN
	YGG35LR	RGH35HA	MSR35LS	SRG35LR	RAA35BN
	YGG45R	RGH45CA	MSR45S	SRG45R	RAA45AN
	YGG45LR	RGH45HA	MSR45LS	SRG45LR	RAA45BN
	YGG55R	RGH55CA	MSR55S	SRG55R	RAA55AN
	YGG55LR	RGH55HA	MSR55LS	SRG55LR	RAA55BN
	YGG65R	RGH65CA	MSR65S	SRG65R	RAA65AN
	YGG65LR	RGH65HA	MSR65LS	SRG65LR	RAA65BN
	YGG20C	RGW20CC	MSR20E	SRG20C	RAA20EM
	YGG20LC	RGW20HC	MSR20LE	SRG20LC	RAA20GM
	YGG25C	RGW25CC	MSR25E	SRG25C	RAA25EM
	YGG25LC	RGW25HC	MSR25LE	SRG25LC	RAA25GM
	YGG30C	RGW30CC	MSR30E	SRG30C	RAA30EM
	YGG30LC	RGW30HC	MSR30LE	SRG30LC	RAA30GM
	YGG35C	RGW35CC	MSR35E	SRG35C	RAA35EM
	YGG35LC	RGW35HC	MSR35LE	SRG35LC	RAA35GM
	YGG45C	RGW45CC	MSR45E	SRG45C	RAA45EM
	YGG45LC	RGW45HC	MSR45LE	SRG45LC	RAA45GM
	YGG55C	RGW55CC	MSR55E	SRG55C	RAA55EM
	YGG55LC	RGW55HC	MSR55LE	SRG55LC	RAA55GM
	YGG65C	RGW65CC	MSR65E	SRG65C	RAA65EM
	YGG65LC	RGW65HC	MSR65LE	SRG65LC	RAA65GM



# YOSO·HIWIN

Model comparison table of linear guide rail

## YOSO High Assembly Slider

Model example: **PGH 25 LC 2 UU Z0** + **1200 L N II U N3 N3** (G1=G2=30)

① Series Name

② Size

③ Type of LM block

④ No. of Blocks per Rail

⑤ SEAL

⑧ Preload

⑫ Rail Surface Treatment

⑪ Block Surface Treatment

⑩ Rail Special Machining

⑨ Two Sets per Axis

⑦ Accuracy Grade

⑥ Length of Rail(mm)

**HIWIN** — **CG W 25 C A E 2 R 1600 E ZA P II** + DD/E2/CS

① ③ ② ④ ⑥ ⑧ ⑦ ⑨

### ⑦ Accuracy Grade

Accuracy	YOSO	HIWIN
Ultra-precision	UP	UP
Super-precision	SP	SP
Precision	P	P
High	H	H
Normal	N	C

### ⑧ Preload

Preload	YOSO	HIWIN
Slight Clearance	ZF	-
No preload	Z0	Z0
Light Preload	Z1	ZA
Medium Preload	Z2	ZB
Heavy Preload	Z3	-

**YOSO 京澎机械设备（上海）有限公司 滑轨于其他品牌替代对照表**

	YOSO	HIWIN
钢带滑块	PGH15R	CGH15CA
	PGH20R	CGH20CA
	PGH20LR	CGH20HA
	PGH25R	CGH25CA
	PGH25LR	CGH25HA
	PGH30R	CGH30CA
	PGH30LR	CGH30HA
	PGH35R	CGH35CA
	PGH35LR	CGH35HA
	PGH45R	CGH45CA
	PGH45LR	CGH45HA
	PGH15C	CGW15CA
	PGH20C	CGW20CA
	PGH20LC	CGW20HA
	PGH25C	CGW25CA
	PGH25LC	CGW25HA
	PGH30C	CGW30CA
	PGH30LC	CGW30HA
	PGH35C	CGW35CA
	PGH35LC	CGW35HA
PGH45C	CGW45CA	
PGH45LC	CGW45HA	