

# Profile rail guides

Ewellix profile rail guide interchangeable series



For more information contact us at 1-800-313-4753 or visit [ewellix.com](http://ewellix.com)

To use our online interchange tool, please visit [www.ewellix.com/en/us/product-selectors](http://www.ewellix.com/en/us/product-selectors)

## Benefits

- 2-3 day turn around for up to two rails and four carriages on any specified length for P3 and P5 stocked items only.
- No set-up fee.
- Complete range of Ewellix standard carriages and rails in stock.
- Ask your Ewellix representative about flexible stocking program for specific customer needs.

*Add one day for truck shipment (weight or length restrictions may apply).*

*\* Valid for rail cut to length, P3 and P5 stocked items only. Joined rail available upon request.*

*Corrosion resistant rails and carriages available upon request.*

## Interchange

EWELLIX	THK	THOMSON	HIWIN	
<b>Carriage part number</b> LLTHC 20 A T1 P3 1 2 3 7 6  <b>Rail part number</b> LLTHR 20 XXXX P3 1 2 4 6  <b>Assembly part number</b> LLTHS 20 A 2 T1- XXXX P3 1 2 3 5 7 4 6	<b>Carriage part number</b> HSR 20 A SS 1 2 3 8  <b>Rail part number</b> HSR 20 + XXXXL H 1 2 4 6  <b>Assembly part number</b> HRS 20 A 2 SS C1 XXXXL H 1 2 3 5 8 7 4 6	<b>Carriage part number</b> 511 H 20 A 1 1 6 2 3 7  <b>Rail part number</b> 521 H 20 AXXXX 1 6 2 4  <b>Assembly part number</b> N/A	<b>2-ball Carriage part number</b> AGW 20 CA Z1 H 1 2 3 7 6  <b>Rail part number</b> AGR 20 RXXXX H 1 2 4 6  <b>Assembly part number</b> AGW 20 CA 2 RXXXX Z1 H 1 2 3 5 4 7 6	<b>4-ball Carriage part number</b> HGW 20 CA ZA H 1 2 3 7 6  <b>Rail part number</b> HGR 20 RXXXX H 1 2 4 6  <b>Assembly part number</b> HGW 20 CA 2 RXXXX Z1 H 1 2 3 5 4 7 6

Please note: when substituting products, both rails and carriages will need to be interchanged.

### Linear guide series – 1

EWELLIX	THK	THOMSON	HIWIN	
			2-ball	4-ball
LLTH	HSR	511	LG	HG
LLTH	SR	-	AG	-

### Linear guide size – 2

EWELLIX	THK	THOMSON	HIWIN	
			2-ball	4-ball
LLTH 15	HSR 15	511 15	LGW/LGH 15	HGW/HGH 15
LLTH 20	HSR 20	511 20	LGW/LGH 20	HGW/HGH 20
LLTH 25	HSR 25	511 25	LGW/LGH 25	HGW/HGH 25
LLTH 30	HSR 30	511 30	LGW/LGH 30	HGW/HGH 30
LLTH 35	HSR 35	511 35	LGW/LGH 35	HGW/HGH 35
LLTH 40	HSR 40	511 40	LGW/LGH 40	HGW/HGH 40
LLTH 45	HSR 45	511 45	LGW/LGH 45	HGW/HGH 45
LLTH 15	SR 15	-	AGH 15	EG 15
LLTH 20*	SR 20	-	AGH 20	EG 20
LLTH 25*	SR 25	-	AGH 25	EG 25
LLTH 30	SR 30	-	AGH 30	EG 30
LLTH 35	SR 35	-	AGH 35	-
LLTH 40	SR 40	-	AGH 40	-
LLTH 45	SR 45	-	AGH 45	-

Ewellix can also offer a dimensional equivalent to the SHS and SSR series from THK.

### Linear guide carriage styles – 3

LLTHC Series				
EWELLIX	THK	THOMSON	HIWIN	
			2-ball	4-ball
LLTHC ## A	HSR ## TA/CA/A	511 A	LGW ## CA	HGW ## CA
LLTHC ## A	HSR ## TB/CB/B	511 A	LGW ## CB	HGW ## CB
LLTHC ## LA	HSR ## LA/LA/HTA	511 B	LGW ## HA	HGW ## HA
LLTHC ## LA	HSR ## LB/HB/HTB	511 B	LGW ## HB	HGW ## HB
LLTHC ## R	HSR ## R/TR/CR	511 E	LGH ## CA	HGH ## CA
LLTHC ## LR	HSR ## LR/HTR/HR	511 F	LGH ## HA	HGH ## HA
Compact series				
LLTHC ## U	SR ## W*	511 C	AGH ## CA*	EGH ## CA*
LLTHC ## SU	SR ## V*	-	AGH ## SA*	EGH ## SA*

\*Contact Ewellix for dimensional difference on sizes 20 & 25.

## ewellix.com

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### Rail length – 4

EWELLIX	LLTHR ## XXXX P5
THK	HSR ## + XXXXL
THOMSON	521H ## AXXXX
HIWIN	HGR ## RXXXXC

EWELLIX	LLTHR ## XXXX P5
THK	SR ## + XXXXL
THOMSON	521H ## AXXXX
HIWIN	AGR ## RXXXXC

### Carriages per rail – 5

Number following carriage style = number of carriages per rail

### Accuracy class – 6

EWELLIX	THK	THOMSON	HIWIN
P5	-	N	C
P3	H	H	H
P1	P	P	P

### Preload – 7

EWELLIX	THK	THOMSON	HIWIN	
			2-ball	4-ball
T0	-	0	Z0	Z0
T1	C1	1	Z1	ZA
T2	C0	2	Z2	ZB

### Seals – 8

EWELLIX	Standard with end, side and bottom seals
THK	SS – end/bottom seals UU – end seals
THOMSON	Standard with end and bottom seals
HIWIN	Standard with end and bottom seals

### Lubrication systems

EWELLIX	Internal foam insert standard in every carriage
THK	QZ lubrication system is external to the carriage
THOMSON	LL lubrication system is external to the carriage
HIWIN	E2 lubrication system is external to the carriage