

Linear Motion Technology

SKF acquires Taiwanese company in linear motion

2007 Feb 26, 09:17 CET

SKF has signed an agreement to acquire ABBA Linear Tech Co., Ltd., a leading Asian manufacturer of profile rail guides, based in Taiwan



Self-lubricant linear guideway

YST
AUTOMATION



Ball screw




Elastomer coupling



Support unit

YST AUTOMATION CO.,LTD.



ABBA Linear Tech, established in 1999, was the first professional linear guideway manufacturer in Taiwan, putting patent self-lubricant and four-row linear guides into mass production. ABBA Linear Tech possessed critical techniques, combined R&D achievements with National Taiwan University of Science Technology, and launched the production successfully in 2000. With several international patents,  is thriving worldwide with its own name and having channels in Taiwan, China, Korea, Japan, Europe, America, etc.

Since the beginning, ABBA Linear Tech has been making every endeavor on both marketing and product quality, and was recognized by The Creative Innovation Prize, The Rising Star Award, The National Business Start-up Award, and The Taiwan Symbol of Excellence in 2002 and 2004. Besides, ABBA obtained an investment approval in accordance with the encouragement to significant strategic industries by the Industrial Development Bureau of the Ministry of Economic Affairs. What ABBA strived for in the past years has been identified and supported by clients, suppliers, and the academia.

ABBA Linear Tech spirit to offer the best quality and professional service in order to integrate the global operation resources, fulfill clients' demands, and become a high-class linear guideway supplier within the coming years.



SYMBOL OF EXCELLENCE
IT'S VERY WELL
MADE IN TAIWAN



ISO9001:2000



Award of Creative
Innovation Prize



Certificates of Patents



Rising Star Award



National Business
Start-up Award

SKF acquires Taiwanese company in linear motion

SKF has signed an agreement to acquire ABBA Linear Tech Co., Ltd., a leading Asian manufacturer of profile rail guides, based in Taiwan. ABBA is currently listed on the emerging companies' exchange of the GreTai Securities Market in Taiwan.

The ABBA Group employs approximately 400 people and has an annual turnover of some MSEK 250. It is headquartered in Taipei, Taiwan and has facilities in Taiwan and in China.

With the addition of ABBA's product range, SKF is reinforcing its position in linear guides. The acquisition is in line with the SKF Group's strategy to strengthen its different technology platforms and to grow in Asia.

ABBA will be part of the SKF Actuation & Motion Control business unit within the Industrial Division.

The acquisition is subject to the successful completion of a tender offer by ABBA's controlling shareholder and relevant regulatory approvals. The transaction is expected to be finalized during the second quarter this year.

Göteborg, 26February 2007

Aktiebolaget SKF
(publ.)

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News (<http://evolution.skf.com/category/news/>)

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Tags: Linear motion (<http://evolution.skf.com/categories/linear-motion/>)

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1.7 Ordering Key System

B R S 1 5 - A 0 C 2 Z 1 - 1 0 8 0 0 N D 0 - A 0 S W 2

Size _____
15, 20, 25, 30, 35, 45

Carriage Type ¹⁾ _____
 A0 Flanged carriage, standard length, standard height
 LA Flanged carriage, extended length, standard height
 SU Slim-line carriage, short length, standard height
 U0 Slim-line carriage, standard length, standard height
 R0 Slim-line carriage, standard length, extended height
 LR Slim-line carriage, extended length, extended height

End Cap Type ¹⁾ _____
 C Standard End Cap (for 15, 20, 25, 30)
 D Short End Cap (for 15, 20, 25, 30, 35, 45)

Number of carriages per rail _____
 1-9 1 ~ 9 carriages per rail
 A-W > 9 carriages per rail (10=A, 11=B, 12=C...)

Preload Class ²⁾ _____
 ZF Clearance
 Z0 No preload
 Z1 Light preload, 0-0.02C
 Z2 Medium preload, 0.02-0.05C
 Z3 Heavy preload, 0.05-0.07C

Rail Length _____
00080-99999 mm (1 mm steps)

Precision Class ²⁾ _____
 N Normal
 H High
 P Precision

Rail Hole _____
 D0 Standard hole (Standard hole distance. The distance of the first and last attachment holes is produced equidistantly.)
 F0 Standard hole (Standard hole distance. The distance of the first and last attachment holes is not produced equidistantly.)
 D4 Blind hole (Standard hole distance. The distance of the first and last attachment holes is produced equidistantly.)
 F4 Blind hole (Standard hole distance. The distance of the first and last attachment holes is not produced equidistantly.)
 DX Special machining, customized according to drawing number

Join Rail Track (if not selected-no code) _____
 A Yes
 O No

Rail Treatment ³⁾ _____
 O Standard
 B Black oxidation plating
 H Hard chromium plating

Sealing _____
 S Standard seal (only end seal)
 1 Standard seal + Scraper plate
 U ¹⁾ Standard seal + Metal frame to hold two side seals

No. of Parallel Rails _____
 00 Single Rail
 W2-W9 Parallel Rails (W2: 2 rails, W3: 3 rails...)

1) Carriage type cross table

●/○ : Carriage type available

● : Sealing U type, Standard seal + Metal frame to hold two side seals

BRC (Standard End Cap)	A0	LA	SU	U0	R0	LR
15	●	○	○	○	●	○
20	●	○	○	○	●	○
25	●	○	○	○	●	○
30	●	○	○	○	●	○
35						
45						

BRD (Short End Cap)	A0	LA	SU	U0	R0	LR
15	○	○	○	○	○	○
20	○	○	○	○	○	○
25	○	○	○	○	○	○
30	○	○	○	○	○	○
35	○	○	○	○	○	○
45	○	○	○	○	○	○

2) Refer to following table for limitation

現配 (For System)			
精度 Accuracy	P	H	N
Preload	-	-	ZF
	Z0	Z0	Z0
	Z1	Z1	Z1
	Z2	Z2	Z2
	Z3	Z3	Z3

3) Carriage Surface Treatment

A. Standard: Anti-rust

B. Non-Standard: See Drawing

4) Nipple/set screw quantity per carriage

A. Size 15: 0° nipple(2 pcs)

B. Size 20/25/30/35/45: 45° nipple(1 pcs) + screw(1 pcs)



Ordering Key Carriage

	B R C 1 5 - A 0 Z 1 - N 0 S
End Cap Type ¹⁾ _____	
C Standard End Cap (for 15, 20, 25, 30)	
D Short End Cap (for 15, 20, 25, 30, 35, 45)	
Size _____	
15, 20, 25, 30, 35, 45	
Carriage Type ¹⁾ _____	
A0 Flanged carriage, standard length, standard height	
LA Flanged carriage, extended length, standard height	
SU Slim-line carriage, short length, standard height	
U0 Slim-line carriage, standard length, standard height	
R0 Slim-line carriage, standard length, extended height	
LR Slim-line carriage, extended length, extended height	
Preload Class _____	
ZF Clearance	
Z0 No preload	
Z1 Light preload, 0~0.02C	
Precision Class _____	
N Normal	
Block Treatment _____	
0 Standard	
Sealing _____	
S Standard seal (only end seal)	
1 Standard seal + Scraper plate	
U ¹⁾ Standard seal + Metal frame to hold two side seals	

1) Carriage type cross table

●/○ : Carriage type available

● : Sealing U type, Standard seal + Metal frame to hold two side seals

BRC (Standard End Cap)	A0	LA	SU	U0	R0	LR
15	●	○	○	●	●	○
20	●	○	○	●	●	○
25	●	○	○	●	●	○
30	●	○	○	●	●	○
35						
45						

BRD (Short End Cap)	A0	LA	SU	U0	R0	LR
15	○		○	○	○	
20	○	○	○	○	○	○
25	○	○	○	○	○	○
30	○	○	○	○	○	○
35	●	○	○	●	●	○
45	●	○		●	●	○

2) Nipple/set screw quantity per carriage

A. Size 15: 0° nipple(2 pcs)

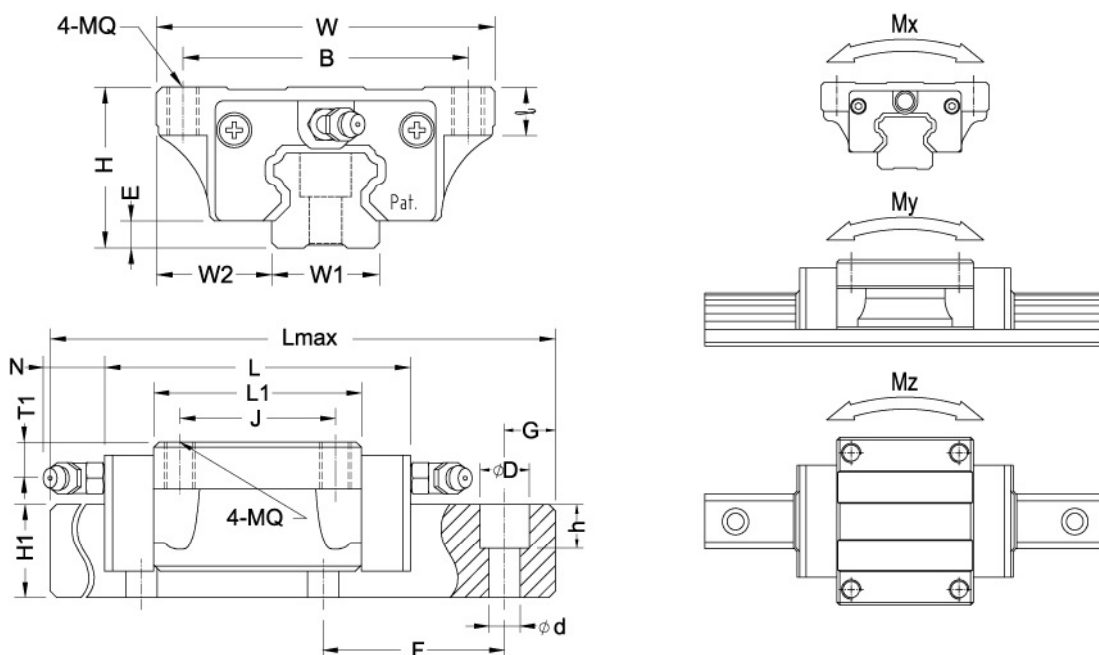
B. Size 20/25/30/35/45: 45° nipple(1 pcs) + screw(1 pcs)



	B	R	R	1	5	-	1	0	8	0	0	N	D	0	-	A	0
Size																	
15, 20, 25, 30, 35, 45																	
Rail Length																	
00080-99999 mm (1 mm steps)																	
Precision Class																	
N Normal																	
Rail Hole																	
D0	Standard hole (Standard hole distance. The distance of the first and last attachment holes is produced equidistantly.)																
F0	Standard hole (Standard hole distance. The distance of the first and last attachment holes is not produced equidistantly.)																
D4	Blind hole (Standard hole distance. The distance of the first and last attachment holes is produced equidistantly.)																
F4	Blind hole (Standard hole distance. The distance of the first and last attachment holes is not produced equidistantly.)																
DX	Special machining, customized according to drawing number																
Join Rail Track (if not selected-no code)																	
A Yes																	
0 No																	
Rail Treatment																	
0 Standard																	



1.8 BRC-A0/LA, BRD-A0/LA



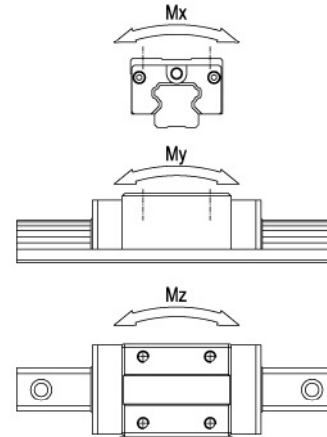
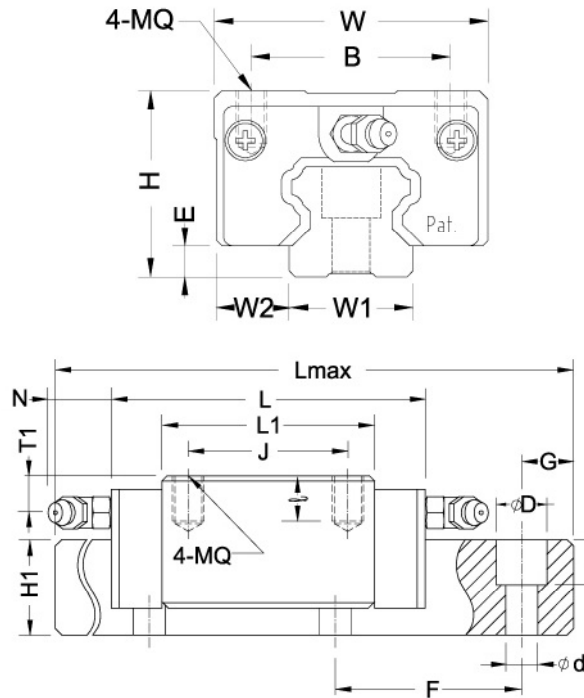
Model No.	Assembly (mm)				BR block (mm)							BR rail (mm)			
	H	W	W2	E	L	BxJ	MQxL	L1	Oil hole	T1	(N)	W1	H1	F	dxDxh
BRC15A0	24	47	16	4.6	66	38x30	M5x8	40	∅ 3	4.3	5	15	14	60	4.5x7.5x5.8
BRD15A0					56										
BRC20A0	30	63	21.5	5	77.8	53x40	M6x9	48.8	M6x1	7	15.6	20	18	60	6x9.5x9.0
BRD20A0					67.8										
BRC20LA					92.4			63.4							
BRD20LA					82.4										
BRC25A0	36	70	23.5	7	88	57x45	M8x12	57	M6x1	7.8	15.6	23	22	60	7x11x9.5
BRD25A0					78										
BRC25LA					110.1			79.1							
BRD25LA					100.1										
BRC30A0	42	90	31	9	109	72x52	M10x12	72	M6x1	7	15.6	28	26	80	9x14x12.5
BRD30A0					99										
BRC30LA					131.3			94.3							
BRD30LA					121.3										
BRD35A0	48	100	33	9.5	109	82x62	M10x13	80	M6x1	8	15.6	34	29	80	9x14x12.5
BRD35LA					134.8			105.8							
BRD45A0	60	120	37.5	14	138.2	100x80	M12x15	105	M8x1	8.5	16	45	38	105	14x20x17.5
BRD45LA					163			129.8							

Model No.	Ref.Data (mm)		Basic Load Rating (Kgf)		Static Moment (Kgf*m)			Weight	
	Lmax	G	(C)	(CO)	Mx	My	Mz	Block(Kg)	Rail(Kg/m)
BRC15A0	4000	20	850	1350	10.1	6.8	6.8	0.21	1.4
BRD15A0									
BRC20A0	4000	20	1400	2400	24	14.6	14.6	0.4	2.6
BRD20A0			1650	3000	30	23.8	23.8	0.52	
BRC20LA									
BRD20LA									
BRC25A0	4000	20	1950	3200	36.8	22.8	22.8	0.57	3.6
BRD25A0			2600	4600	52.9	45.5	45.5	0.72	
BRC25LA									
BRD25LA									
BRC30A0	4000	20	2850	4800	67.2	43.2	43.2	1.1	5.2
BRD30A0			3600	6400	89.6	75.4	75.4	1.4	
BRC30LA									
BRD30LA									
BRD35A0	4000	20	3850	6200	105.4	62	62	1.6	7.2
BRD35LA			4800	8300	141.1	109.8	109.8	2	
BRD45A0	4000	22.5	6500	10500	236.3	137.8	137.8	2.7	12.3
BRD45LA			7700	13000	292.5	210.9	210.9	3.6	

Note: BR35 and BR45 are not equipped with self-lubricant parts.



1.9 BRC-R0/LR, BRD-R0/LR



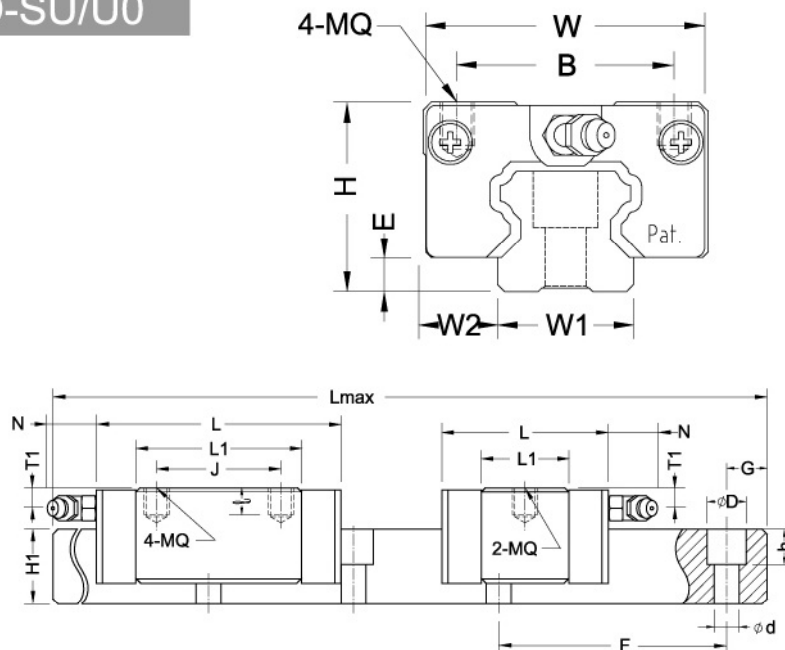
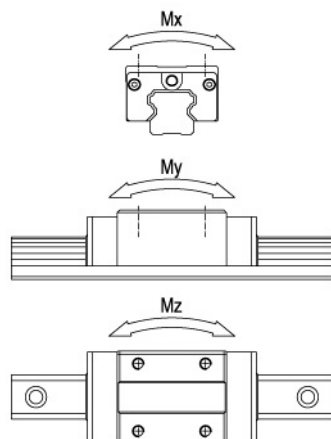
Model No.	Assembly (mm)				BR block (mm)							BR rail (mm)			
	H	W	W2	E	L	BxJ	MQxI	L1	Oil hole	T1	(N)	W1	H1	F	dxDxh
BRC15R0 BRD15R0	28	34	9.5	4.6	66 56	26x26	M4x6	40	∅ 3	8.3	5	15	14	60	4.5x7.5x5.8
BRC20R0 BRD20R0 BRC20LR BRD20LR	30	44	12	5	77.8 67.8 92.4 82.4	32x36 32x50	M5x8	48.8 63.4	M6x1	7	15.6	20	18	60	6x9.5x9.0
BRC25R0 BRD25R0 BRC25LR BRD25LR	40	48	12.5	7	88 78 110.1 100.1	35x35 35x50	M6x10	57 79.1	M6x1	11.8	15.6	23	22	60	7x11x9.5
BRC30R0 BRD30R0 BRC30LR BRD30LR	45	60	16	9	109 99 131.3 121.3	40x40 40x60	M8x13	72 94.3	M6x1	10	15.6	28	26	80	9x14x12.5
BRD35R0 BRD35LR	55	70	18	9.5	109 134.8	50x50 50x72	M8x13	80 105.8	M6x1	15	15.6	34	29	80	9x14x12.5
BRD45R0 BRD45LR	70	86	20.5	14	138.2 163	60x60 60x80	M10x16.5	105 129.8	M8x1	18.5	16	45	38	105	14x20x17.5

Model No.	Ref.Data (mm)		Basic Load Rating (Kgf)		Static Moment (Kgf*m)			Weight	
	Lmax	G	(C)	(CO)	Mx	My	Mz	Block(Kg)	Rail(Kg/m)
BRC15R0 BRD15R0	4000	20	850	1350	10.1	6.8	6.8	0.19	1.4
BRC20R0 BRD20R0 BRC20LR BRD20LR	4000	20	1400 1650	2400 3000	24 30	14.6 23.8	14.6 23.8	0.31 0.47	2.6
BRC25R0 BRD25R0 BRC25LR BRD25LR	4000	20	1950 2600	3200 4600	36.8 52.9	22.8 45.5	22.8 45.5	0.45 0.56	3.6
BRC30R0 BRD30R0 BRC30LR BRD30LR	4000	20	2850 3600	4800 6400	67.2 89.6	43.2 75.4	43.2 75.4	0.91 1.2	5.2
BRD35R0 BRD35LR	4000	20	3850 4800	6200 8300	105.4 141.1	62 109.8	62 109.8	1.5 1.9	7.2
BRD45R0 BRD45LR	4000	22.5	6500 7700	10500 13000	236.3 292.5	137.8 210.9	137.8 210.9	2.3 2.8	12.3

Note: BR35 and BR45 are not equipped with self-lubricant parts.



1.10 BRC-SU/U0, BRD-SU/U0



Model No.	Assembly (mm)				BR block (mm)							BR rail (mm)			
	H	W	W2	E	L	BxJ	MQxI	L1	Oil hole	T1	(N)	W1	H1	F	dxDxh
BRC15U0	24	34	9.5	4.6	66	26x26	M4x5.6	40	∅ 3	4.3	5	15	14	60	4.5x7.5x5.8
BRD15U0					56	21.6									
BRC15SU					47.6										
BRD15SU					37.6										
BRC20U0	28	42	11	5	77.8	32x32	M5x6.4	48.8	M6x1	5	15.6	20	18	60	6x9.5x9.0
BRD20U0					67.8	28									
BRC20SU					57										
BRD20SU					47										
BRC25U0	33	48	12.5	7	88	35x35	M6x8	57	M6x1	4.8	15.6	23	22	60	7x11x9.5
BRD25U0					78	31.5									
BRC25SU					62.5										
BRD25SU					52.5										
BRC30U0	42	60	16	9	109	40x40	M8x11.5	72	M6x1	7	15.6	28	26	80	9x14x12.5
BRD30U0					99	38.6									
BRC30SU					75.6										
BRD30SU					65.6										
BRD35U0	48	70	18	9.5	109	50x50	M8x11.2	80	M6x1	8	15.6	34	29	80	9x14x12.5
BRD35SU					74.7	50x -		45.7							
BRD45U0	60	86	20.5	14	138.2	60x60	M10x13	105	M8x1	8.5	16	45	38	105	14x20x17.5

Model No.	Ref.Data (mm)		Basic Load Rating (Kgf)		Static Moment (Kgf*m)			Weight	
	Lmax	G	(C)	(CO)	Mx	My	Mz	Block(Kg)	Rail(Kg/m)
BRC15U0	4000	20	850	1350	10.1	6.8	6.8	0.17	1.4
BRD15U0			520	680	5.1	1.8	1.8	0.1	
BRC15SU									
BRD15SU									
BRC20U0	4000	20	1400	2400	24	14.6	14.6	0.26	2.6
BRD20U0			950	1400	7	4.9	4.9	0.17	
BRC20SU									
BRD20SU									
BRC25U0	4000	20	1950	3200	36.8	22.8	22.8	0.38	3.6
BRD25U0			1250	1750	17.5	6.9	6.9	0.21	
BRC25SU									
BRD25SU									
BRC30U0	4000	20	2850	4800	67.2	43.2	43.2	0.81	5.2
BRD30U0			1750	2400	33.6	11.6	11.6	0.48	
BRC30SU									
BRD30SU									
BRD35U0	4000	20	3850	6200	105.4	62	62	1.2	7.2
BRD35SU			2500	3650	62.1	20.9	20.9	0.8	
BRD45U0	4000	22.5	6500	10500	236.3	137.8	137.8	2.1	12.3

Note: BR35 and BR45 are not equipped with self-lubricant parts.

BR Series Model Code Transition

Precision calss N		
Size	Old item name	New item name
15	BR15-R-N-L4000	BRR15-04000ND0-00
20	BR20-R-N-L4000	BRR20-04000ND0-00
25	BR25-R-N-L4000	BRR25-04000ND0-00
30	BR30-R-N-L4000	BRR30-04000ND0-00
35	BR35-R-N-L4000	BRR35-04000ND0-00
45	BR45-R-N-L4000	BRR45-04000ND0-00

ABBA Ordering Key - Carriage		
Pricision calss N, Preload Z0		
Size	Old item name	New item name
15	BRH15A-N-Z0	BRC15-A0Z0-N0S
	BRH15B-N-Z0	BRC15-R0Z0-N0S
	BRS15B-N-Z0	BRC15-U0Z0-N0S
	BRS15BS-N-Z0	BRC15-SUZ0-N0S
20	BRH20A-N-Z0	BRC20-A0Z0-N0S
	BRH20AL-N-Z0	BRC20-LAZ0-N0S
	BRH20B-N-Z0	BRC20-R0Z0-N0S
	BRH20BL-N-Z0	BRC20-LRZ0-N0S
	BRS20B-N-Z0	BRC20-U0Z0-N0S
	BRS20BS-N-Z0	BRC20-SUZ0-N0S
25	BRH25A-N-Z0	BRC25-A0Z0-N0S
	BRH25AL-N-Z0	BRC25-LAZ0-N0S
	BRH25B-N-Z0	BRC25-R0Z0-N0S
	BRH25BL-N-Z0	BRC25-LRZ0-N0S
	BRS25B-N-Z0	BRC25-U0Z0-N0S
	BRS25BS-N-Z0	BRC25-SUZ0-N0S
30	BRH30A-N-Z0	BRC30-A0Z0-N0S
	BRH30AL-N-Z0	BRC30-LAZ0-N0S
	BRH30B-N-Z0	BRC30-R0Z0-N0S
	BRH30BL-N-Z0	BRC30-LRZ0-N0S
	BRS30B-N-Z0	BRC30-U0Z0-N0S
	BRS30BS-N-Z0	BRC30-SUZ0-N0S
35	BRH35A-S-N-Z0	BRD35-A0Z0-N0S
	BRH35AL-S-N-Z0	BRD35-LAZ0-N0S
	BRH35B-S-N-Z0	BRD35-R0Z0-N0S
	BRH35BL-S-N-Z0	BRD35-LRZ0-N0S
	BRS35B-S-N-Z0	BRD35-U0Z0-N0S
	BRS35BS-S-N-Z0	BRD35-SUZ0-N0S
45	BRH45A-S-N-Z0	BRD45-A0Z0-N0S
	BRH45AL-S-N-Z0	BRD45-LAZ0-N0S
	BRH45B-S-N-Z0	BRD45-R0Z0-N0S
	BRH45BL-S-N-Z0	BRD45-LRZ0-N0S
	BRS45B-S-N-Z0	BRD45-U0Z0-N0S

Carriage-Short end cap		
	Old item name	New item name
BR15	BRH15A-S	BRD15-A0
	BRH15B-S	BRD15-R0
	BRS15B-S	BRD15-U0
	BRS15BS-S	BRD15-SU
BR20	BRH20A-S	BRD20-A0
	BRH20AL-S	BRD20-LA
	BRH20B-S	BRD20-R0
	BRH20BL-S	BRD20-LR
	BRS20B-S	BRD20-U0
BR25	BRS20BS-S	BRD20-SU
	BRH25A-S	BRD25-A0
	BRH25AL-S	BRD25-LA
	BRH25B-S	BRD25-R0
	BRH25BL-S	BRD25-LR
BR30	BRS25B-S	BRD25-U0
	BRS25BS-S	BRD25-SU
	BRH30A-S	BRD30-A0
	BRH30AL-S	BRD30-LA
	BRH30B-S	BRD30-R0
BR35	BRH30BL-S	BRD30-LR
	BRS30B-S	BRD30-U0
	BRS30BS-S	BRD30-SU
	BRH35A-S	BRD35-A0
	BRH35AL-S	BRD35-LA
BR45	BRH35B-S	BRD35-R0
	BRH35BL-S	BRD35-LR
	BRS35B-S	BRD35-U0
	BRS35BS-S	BRD35-SU
	BRH45A-S	BRD45-A0
	BRH45AL-S	BRD45-LA
	BRH45B-S	BRD45-R0
	BRH45BL-S	BRD45-LR
	BRS45B-S	BRD45-U0

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Mini Linear Guideway



Self-Lubricant Linear Guideway & Mini Linear



Ball Screw



Support Ball Screw



Shaft Type Linear Guideway



Ball Spline



Oilless Bushing



Block Bearing



Shaft



Ball Bearing



Couplings



Profiles



Cable Chains
Slide Way Covers



Accessories Authorised Distributors Thailand

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