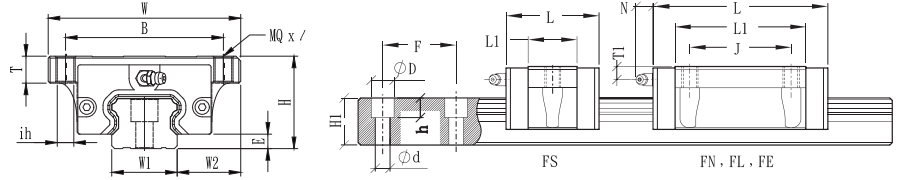


# Flanged Blocks



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Model	Assembly-mm				Block-mm										Rail-mm						Rating load-kN				Static moment - kN·m			Block		Rail
	H	W	W2	E	L	B	J	MQ	/	ih	T	L1	Oil H	T1	N	W1	H1	F	d	D	h	C-BGX	C-BGC	C0-BGX	C0-BGC	M <sub>x</sub>	M <sub>y</sub>	M <sub>z</sub>	kg	kg/m
H15FN	24	47	16.0	3.3	58.6	38	30	M5	7	4.4	7.5	40.2	M4X0.7	5.5	(5.7)	15	13.0	60	4.5	7.5	5.5	13.0	11.5	21.6	19.6	0.136	0.117	0.117	0.21	1.28
H15FL	24	47	16.0	3.3	66.1	38	30	M5	7	4.4	7.5	47.7	M4X0.7	5.5	(5.7)	15	13.0	60	4.5	7.5	5.5	14.1	13.9	26.1	23.7	0.164	0.169	0.169	0.23	1.28
S15FS	24	52	18.5	3.3	40.6	41		M5	7	4.4	7.5	22.2	M4X0.7	5.5	(5.7)	15	13.0	60	4.5	7.5	5.5	6.9	5.7	10.8	9.8	0.068	0.032	0.032	0.12	1.28
S15FN	24	52	18.5	3.3	58.6	41	26	M5	7	4.4	7.5	40.2	M4X0.7	5.5	(5.7)	15	13.0	60	4.5	7.5	5.5	13.0	11.5	21.6	19.6	0.136	0.117	0.117	0.19	1.28
H20FN	30	63	21.5	4.5	70.1	53	40	M6	8.5	5.4	9.0	48.5	M6X1	7.1	(12.3)	20	16.3	60	6.0	9.5	8.5	21.5	17.7	33.6	30.5	0.285	0.220	0.220	0.40	2.15
H20FL	30	63	21.5	4.5	82.9	53	40	M6	8.5	5.4	9.0	61.3	M6X1	7.1	(12.3)	20	16.3	60	6.0	9.5	8.5	26.0	23.0	43.5	39.5	0.369	0.361	0.361	0.46	2.15
H20FE	30	63	21.5	4.5	98.1	53	40	M6	8.5	5.4	9.0	76.5	M6X1	7.1	(12.3)	20	16.3	60	6.0	9.5	8.5	30.9	27.3	53.8	48.9	0.456	0.557	0.557	0.61	2.15
S20FS	28	59	19.5	4.5	49.1	49		M6	6.5	5.4	7.0	27.5	M6X1	5.1	(12.3)	20	16.3	60	6.0	9.5	8.5	11.1	9.1	17.3	15.7	0.225	0.101	0.101	0.18	2.15
S20FN	28	59	19.5	4.5	70.1	49	32	M6	6.5	5.4	7.0	48.5	M6X1	5.1	(12.3)	20	16.3	60	6.0	9.5	8.5	21.5	17.7	33.6	30.5	0.285	0.220	0.220	0.31	2.15
H25FN	36	70	23.5	5.8	79.2	57	45	M8	9.6	6.8	10.1	57.5	M6X1	10.2	(12.2)	23	19.2	60	7.0	11.0	9.0	28.1	24.8	45.2	41.1	0.440	0.352	0.352	0.57	2.88
H25FL	36	70	23.5	5.8	93.9	57	45	M8	9.6	6.8	10.1	72.2	M6X1	10.2	(12.2)	23	19.2	60	7.0	11.0	9.0	33.7	31.9	58.1	52.8	0.566	0.568	0.568	0.72	2.88
H25FE	36	70	23.5	5.8	108.6	57	45	M8	9.6	6.8	10.1	86.9	M6X1	10.2	(12.2)	23	19.2	60	7.0	11.0	9.0	38.0	36.0	69.6	63.3	0.679	0.819	0.819	0.89	2.88
S25FS	33	73	25.0	5.8	54.0	60		M8	6.6	6.8	7.1	32.3	M6X1	7.2	(12.3)	23	19.2	60	7.0	11.0	9.0	15.5	12.7	23.1	21.0	0.225	0.101	0.101	0.33	2.88
S25FN	33	73	25.0	5.8	79.2	60	35	M8	6.6	6.8	7.1	57.5	M6X1	7.2	(12.3)	23	19.2	60	7.0	11.0	9.0	28.1	24.8	45.2	41.1	0.440	0.352	0.352	0.50	2.88
H30FS	42	90	31.0	7.0	64.2	72		M10	11.5	8.6	12.0	37.2	M6X1	10	(11.7)	28	22.8	80	9.0	14.0	12.0	22.1	18.2	29.7	27.0	0.350	0.150	0.150	0.80	4.45
H30FN	42	90	31.0	7.0	94.8	72	52	M10	11.5	8.6	12.0	67.8	M6X1	10	(11.7)	28	22.8	80	9.0	14.0	12.0	41.6	36.7	60.1	54.6	0.706	0.551	0.551	1.10	4.45
H30FL	42	90	31.0	7.0	105.0	72	52	M10	11.5	8.6	12.0	78.0	M6X1	10	(11.7)	28	22.8	80	9.0	14.0	12.0	48.1	47.5	77.8	70.7	0.915	0.821	0.821	1.34	4.45
H30FE	42	90	31.0	7.0	130.5	72	52	M10	11.5	8.6	12.0	103.5	M6X1	10	(11.7)	28	22.8	80	9.0	14.0	12.0	57.9	52.9	95.4	86.7	1.122	1.336	1.336	1.66	4.45
H35FS	48	100	33.0	7.5	75.5	82		M10	13.5	8.6	14.0	44.5	M6X1	11.5	(11.5)	34	26.0	80	9.0	14.0	12.0	31.8	26.2	44.8	40.7	0.643	0.269	0.269	1.00	6.25
H35FN	48	100	33.0	7.5	111.5	82	62	M10	13.5	8.6	14.0	80.5	M6X1	11.5	(11.5)	34	26.0	80	9.0	14.0	12.0	59.4	52.3	89.2	81.1	1.282	0.972	0.972	1.50	6.25
H35FL	48	100	33.0	7.5	123.5	82	62	M10	13.5	8.6	14.0	92.5	M6X1	11.5	(11.5)	34	26.0	80	9.0	14.0	12.0	68.8	65.4	111.5	101.4	1.602	1.396	1.396	1.90	6.25
H35FE	48	100	33.0	7.5	153.5	82	62	M10	13.5	8.6	14.0	122.5	M6X1	11.5	(11.5)	34	26.0	80	9.0	14.0	12.0	81.6	71.9	137.8	125.3	1.981	2.286	2.286	2.54	6.25
H45FL	60	120	37.5	8.9	145.0	100	80	M12	15.5	10.6	16.0	110.0	M8X1.25	14.4	(10.8)	45	31.1	105	14.0	20.0	17.0	89.7	85.1	142.5	129.5	2.736	2.122	2.122	2.68	9.60
H45FE	60	120	37.5	8.9	174.0	100	80	M12	15.5	10.6	16.0	139.0	M8X1.25	14.4	(10.8)	45	31.1	105	14.0	20.0	17.0	103.6	98.4	179.6	163.3	3.449	3.379	3.379	3.42	9.60
H55FN	70	140	43.5	12.7	155.0	116	95	M14	18.5	12.6	19.0	116.0	M8X1.25	14.0	(10.8)	53	38.0	120	16.0	23.0	20.0	104.7	86.2	146.7	133.4	3.303	2.304	2.304	3.44	13.80
H55FL	70	140	43.5	12.7	193.0	116	95	M14	18.5	12.6	19.0	154.0	M8X1.25	14.0	(10.8)	53	38.0	120	16.0	23.0	20.0	131.9	116.3	196.8	178.9	4.428	4.101	4.101	4.63	13.80
H55FE	70	140	43.5	12.7	210.0	116	95	M14	18.5	12.6	19.0	171.0	M8X1.25	14.0	(10.8)	53	38.0	120	16.0	23.0	20.0	166.0	157.7	279.0	253.6	6.279	6.458	6.458	5.16	13.80

# Precision Grades

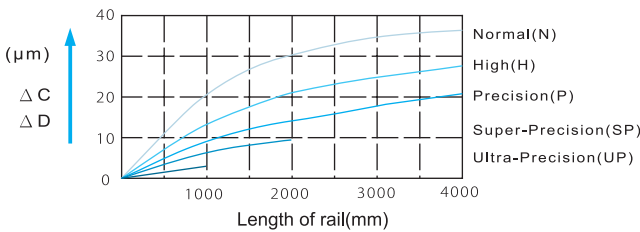
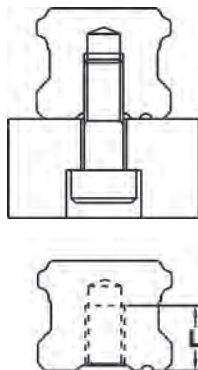


Fig. 1-1 BG rail length and running parallelism

- High accuracy
- Low noise
- Low friction
- Low vibration

ITEM	GRADE				
	Normal(N)	High(H)	Precision(P)	Super-Precision (SP)	Ultra-Precision (UP)
Tolerance of height ( H )	±0.1	±0.04	0 -0.04	-0.02	0 -0.01
Tolerance of width ( W )	±0.1	±0.04	0 -0.04	-0.02	0 -0.01
Difference of heights ( ΔH )	0.03	0.02	0.01	0.005	0.003
Difference of widths ( ΔW )	0.03	0.02	0.01	0.005	0.003
Running parallelism of Block surface [C] with respect to surface [A]	ΔC Refer to Fig. 1-1				
Running parallelism of Block surface [D] with respect to surface [B]	ΔD Refer to Fig. 1-1				

# Counter Bore Rails



Unit : mm

Rail type	Thread size	Max thread length (L)
BG 15	M5	8mm
BG 20	M6	10 mm
BG 25	M6	12 mm
BG 30	M8	15 mm
BG 35	M8	17 mm
BG 45	M12	20mm
BG 55	M14	24 mm

- Raceway configuration has good self-adjustment capability and permits wider installation tolerances



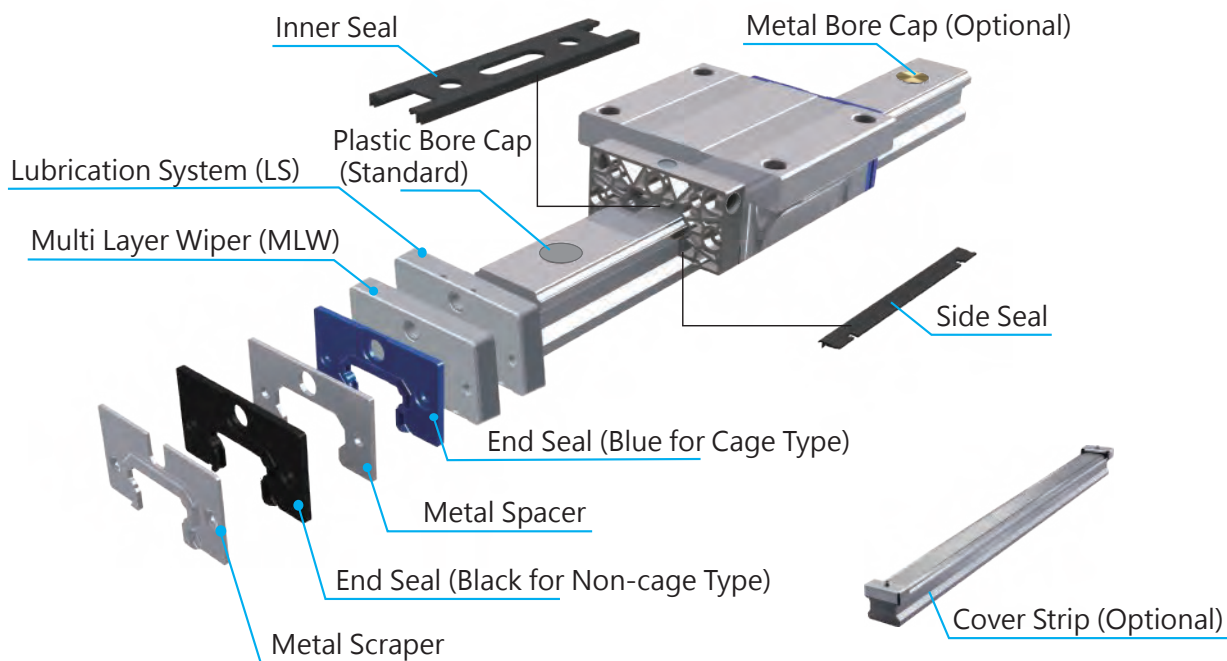
- Optimized lubricant circulation system provides stable motion performance



- Caged & Non-caged carriages are sharing one profile rail



## Dustproof Accessories



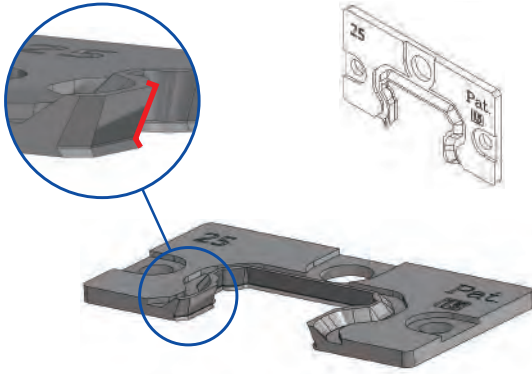
## Seal Combination

Standard End Seal Combination			
Code	Content	Code	Content
--	End Seal + Side Seal	FF	End Seal + Side Seal + Inner Seal + Metal Scraper
UU	End Seal		
SS	End Seal + Side Seal + Inner Seal	GG	Double End Seal + Side Seal + Inner Seal + Metal Scraper
DD	Double End Seal + Side Seal	ZZ	End Seal + Side Seal + Metal Scraper
EE	Double End Seal + Side Seal + Inner Seal	KK	Double End Seal + Side Seal + Metal Scraper

Lubrication System (LS)	
Code	Content
A	Self-Lubrication

Additional	
Code	Content
M	Multiple-Layer Wiper

## End Seals



Patented flexible structure design for lighter friction force while possesses good dust-proof performance.

## Side Seals



Nylon applied and fit closely with the rail surface, which blocks the dust effectively.

## Multi-Layer Wiper (MLW)



STAF Multi-Layer Wiper is an additional seal option for our linear guide users. This accessory consists of three layers of high density sponge, and is an ideal seal option if thin and tiny particles are considered to be the major contamination in your working environment.

## Lubrication System (LS)



STAF Lubrication System continuously provides lubricant in appropriate amount onto the raceway. The amount of lubricant is controlled by capillary phenomenon, which would significantly extend the maintenance intervals and is Eco-friendly as surplus lubricant can be absorbed back and reused.