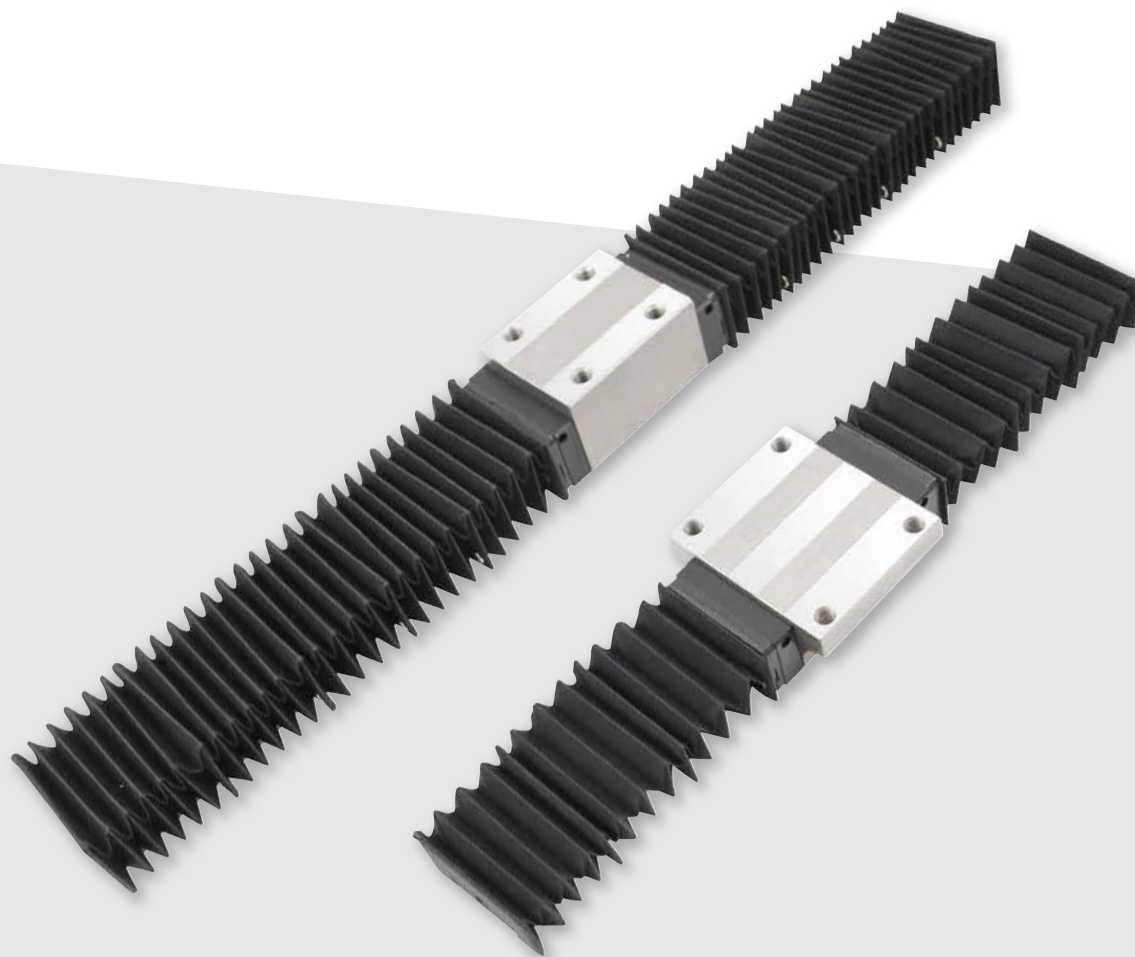
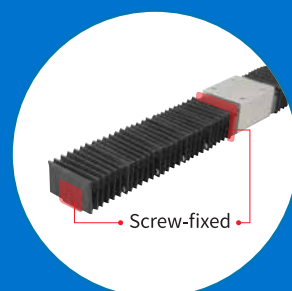


Bellow for Linear Guide



In response to special environmental conditions, protective bellows are installed on the rail to prevent dust, oil, water, and other contaminants from causing any damage, ensuring that the rail and the block remain free from foreign substances and operate smoothly.



Nominal Model Code

BW	TR	25	A	-	Maximum stretching length (L _{max})	/	Minimum compressed length (L _{min})
Nominal Model	Standard Linear Guide	Dimension : 15、20、25、30、 35、45、55、65	A : Nylon Waterproof □ -Shaped		Unit : mm		Unit : mm

Calculations

LR : Length of the rail (mm) LR = LB + L_{max} + L_{min}
 LB : Length of the block (mm)
 S : Stroke (mm)
 R : Calculation factor
 L_{min} : Minimum compressed length (mm) L_{min} = S / (R - 1)
 L_{max} : Maximum stretching length (mm) L_{max} = L_{min} * R

Note. After installing the bellow on the linear guide, there will be non-traversable areas at both ends. Please ensure that the stroke is sufficient for the mechanism.

Examples

Specification : TRH25VE-1-XN-590-N-Z0

LR=590
 LB=110
 S=360
 R=7

L_{min} = 360 / (7 - 1) = 60

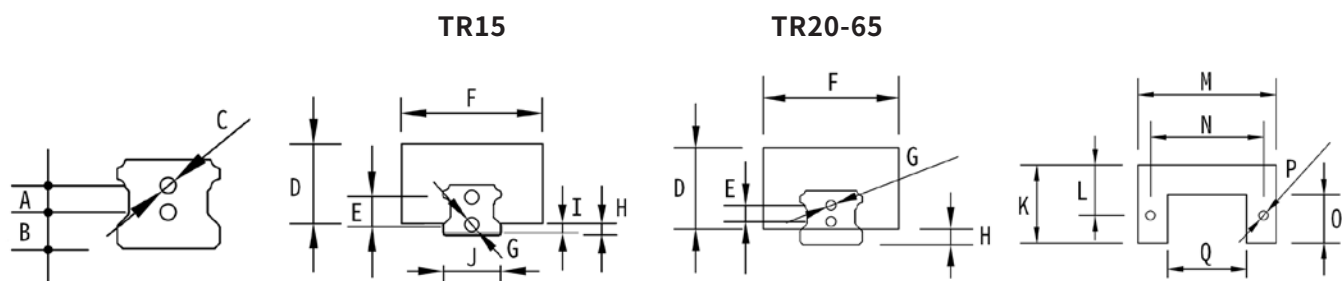
L_{max} = 60 * 7 = 420

Check calculation : LR = 110 + 420 + 60 = 590

Calculation Factor Table

Type	Dimension	Calculation factor
		R
TR	15	5.5
	20	6
	25	7
	30	8
	35	9
	45	10
	55	10
	65	10

Bellow for Linear Guide Specification



Unit : mm

Type	Dimension	Dimension for the machined rail			Dimension for the fixed side on the rail							Dimension for the fixed side on the block							Calculation Factor
		A	B	C	D	E	F	G	H	I ^{*1}	J ^{*1}	K	L	M	N	O	P	Q	R
TR	15	7	2.8	M3*0.5P dp8	20.17	7	36	Φ3.5	3.2	3	14.6	20.17	12.82	36	27.61	11.17	Φ2.5	18	5.5
	20	6	7.6	M3*0.5P dp8	22.9	6	44	Φ3.5	4.6	-	-	22.9	13.65	44	35	12.8	Φ3	24	6
	25	6	8.5	M3*0.5P dp8	30	6	50	Φ3.5	5.8	-	-	30	19	50	38.02	19	Φ3	28	7
	30	8	11	M3*0.5P dp8	34	8	60	Φ3.5	7	-	-	34	20	60	48.25	18.4	Φ3.5	32	8
	35	7	11.5	M4*0.7P dp14	39.5	7	70	Φ4.5	7.5	-	-	39.5	25.5	70	57.29	24.5	Φ3.5	40	9
	45	10	13.9	M4*0.7P dp14	49.6	10	86	Φ4.5	8.9	-	-	49.6	32	86	68.42	31.6	Φ4.5	50	10
	55	10	19	M4*0.7P dp14	54	10	100	Φ4.5	13	-	-	54	31	100	80.8	34	Φ4.5	60	10
	65	15	19	M4*0.7P dp14	69	15	120	Φ4.5	14	-	-	69	40	120	98	44	Φ6.5	70	10

Note : *1 This size is only available for TR15.