

LINEAR MOTION

Linear Guidance System

Simple-Select® Vee Slide

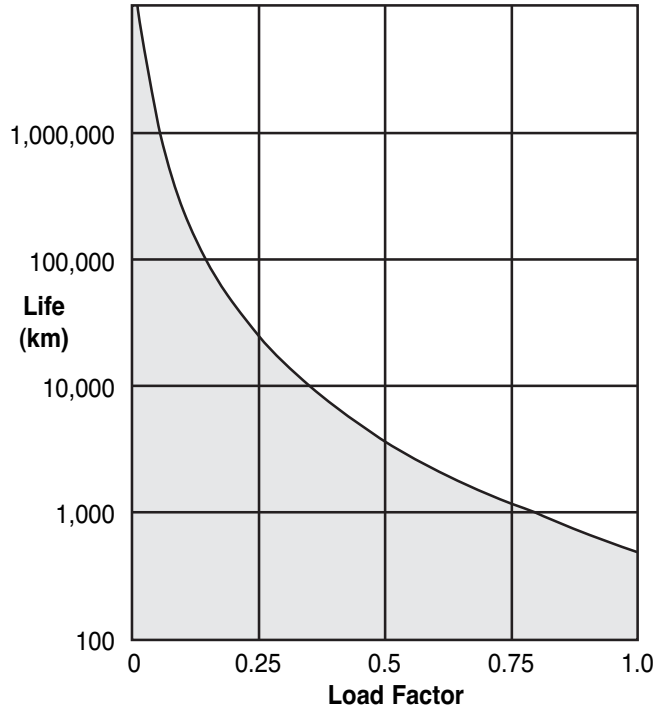
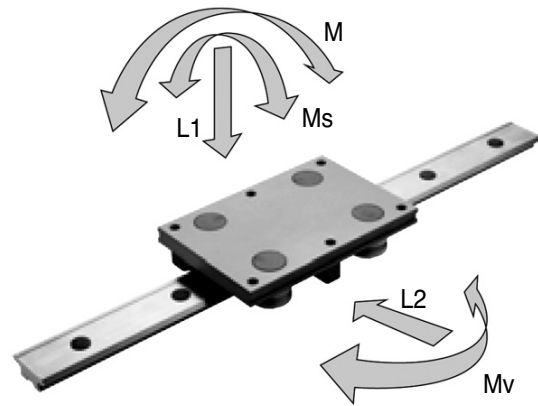
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Simple-Select® offers four useful sizes of spacer slides complete with carriages assembled ready for installation (you must order at least one carriage per slide). All units are fitted with double row bearings and cap seals to ensure a long and trouble-free life. Our general purpose spacer slide precision cold drawn and hardened on the Vee running surfaces provides good accuracy and long life, even in the most hostile environment. Specifying could not be easier. Check the load to be carried against the carriage load capacities and check that the physical size meets your requirements.

Components used in the Simple-Select® range will provide the user with the best combination to achieve a long and trouble free life in clean or arduous environments. Fitted cap seals cover double row bearings and provide a reservoir for grease lubrication and to prevent dirt ingress. In most cases a single application of grease, which are provided on assembly of the unit, will last for the life of the machine.

Simple Life Check

Most applications involve central L1 loads. In these cases simply divide your load (N) by the carriage L1 capacity figure below to determine a load factor. Then simply read off the life from the graph. For offset loads you will need to add the relevant load factors to determine the total. Load Factor should not exceed 1.



Size	Carriage Capacities				
	L1 (N)	L2 (N)	Ms (Nm)	Mv (Nm)	M (Nm)
20	435	685	4	19	12
25	800	1500	9	56	30
44	2800	4700	57	243	146
76	10000	10000	360	990	990

$$\text{Load Factor} = \frac{\text{Load Carried}}{\text{Carriage Capacity}} = \frac{L1}{L1(\text{max})} + \frac{L2}{L2(\text{max})} + \frac{Ms}{Ms(\text{max})} + \frac{Mv}{Mv(\text{max})} + \frac{M}{M(\text{max})}$$

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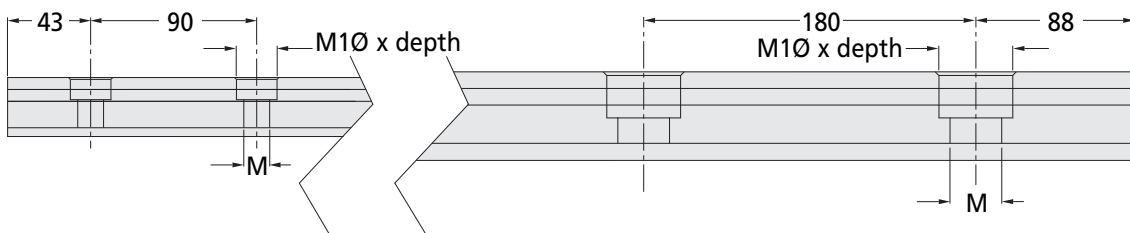
Slide Size	Slide Lengths										
	266	356	536	716	896	1076	1256	1436	1616	1796	1976
20	266	356	536	716	896	1076	1256	1436	1616	1796	1976
25	266	356	536	716	896	1076	1256	1436	1616	1796	1976
44	266	356	536	716	896	1076	1256	1436	1616	1796	1976
76	-	-	536	716	896	1076	1256	1436	1616	1796	1976

Other lengths available on request up to 4m.

Slide Hole Centres

Sizes 20, 25 & 44

Size 76



Size	M	M1	Size	M	M1
20	4.5	08 x 4.1	76	14	20 x 12
25	5.5	10 x 5.1			
44	7.0	11 x 6.1			

Other Info.

Frictional Resistance: to determine frictional resistance use $0.02 \times \text{Load (N)} + \text{Seal Friction (N)}$.

Seal Friction Figures: Size 20 = 4N, Size 25 = 7N, Size 44 = 15N, Size 76 = 28N.

External Lubrication: Cap Seals will be supplied lubricated, further lubrication is not normally necessary unless a high duty cycle/speed is involved.

In these cases re-lubrication with a grease NLGI consistency No. 2 will suffice.

Maximum Linear Speeds for 'V' Slides and Bearings: Lubricated 'V' Slides = 8 m/s