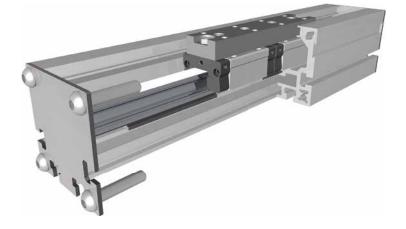
Linear system LSR 60, 80

RAIL GUIDE

- WITHOUT DRIVE
- ■→ SUPPORT UNIT
- WITHOUT COVERBAND



Function:

The guide body consists of an aluminium square profile, with an integrated rail guide. This rail guide can be driven by a pneumatic cylinder or other additional drives or it serves as a load carrying slide unit. Construction compatible with LSZ/LSN.

Fitting position: Carriage mounting: Unit mounting: Carriage support: As required. Max. length 6.000 mm without joints.

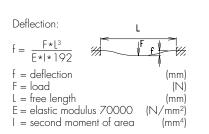
By tapped holes.

By T-slots and mounting sets. The linear axis can be combined with any T-slot profile.

In the standard version the carriage is positioned on two runner blocks which can be readjusted and maintained at each central servicing position. Two grease nipples at the carriage enable relubrication of the positioning system.

Forces and torques	Size		60	80								
	permitted dyn. Forces*	5000 km	10000 km	5000 km	10000 km							
Fz≜	F _x (N)											
A MZ	F _v (N)	1410	990	3570	2550							
Mx -	F _z (N)	3520	2500	8500	6050							
Fx	M _x (Nm)	33	33 23		75							
Fy	M _v (Nm)	104	73	310	222							
My	M _z (Nm)	100	70	296	210							
	All forces and torques related to the following:											
	existing values Fy Fz Mx My Mz											
	existing values table values $\frac{Fy}{Fy_{dyn}}$ + $\frac{Fz}{Fz_{dyn}}$ + $\frac{Mx}{Mx_{dyn}}$ + $\frac{My}{My_{dyn}}$ + $\frac{Mz}{Mz_{dyn}}$ ≤1											
	No-load torque											
	Nm		0,6	1,0								
	Speed											
	(m/s) max		5	5								
	Tensile force											
	permanent (N)		1050		1900							
	0,2 s (N)		1150	2090								
	Geometrical moments of inertia of alum	Geometrical moments of inertia of aluminium profile										
	l _x mm⁴	4,3	37x10⁵	14,6x10 ⁵								
	l _v mm⁴	5,7	5,78x10 ⁵		17,1x10 ⁵							
	Elastic modulus N/mm ²	7	0000	70000								

For life-time calculation use our homepage.

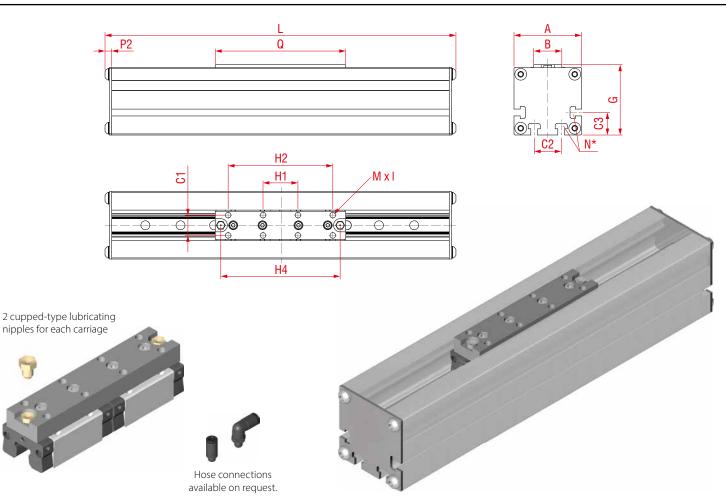




Our policy is one of continued research and development. We therefore reserve the right to amend,without notice, the specifications given in this document. © 2023 Bahr Modultechnik GmbH * referred to life-time

Linear system LSR 60, 80

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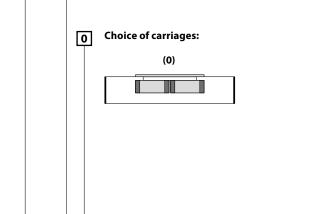


Size	Basic lenght L	A	В	C1	C2	C3	G	H1	H2	H4	Mxl	N for	P2	Q	Basic weight	Weight per 100 mm
LSR 60	162	60	25	18	24	20	62,5	31	93	106	M6 x 11	M5	6	116	1,54 kg	0,43 kg
LSR 80	166	80	25	18	30	22	83	40	120	133	M6 x 12	M6	8	149	2,19 kg	0,88 kg

Choice of guide body profile: 0

(0) Standard (1) corrosion-protected screws

(4) expanded corrosion-protected version (depending on the availability of components)



LSR 60 0 0 0 0 1500 0 0 0 4

Pos. 1 2 3 Sample ordering code:

LSR60, standard body profile, standard carriage, 1338 mm stroke

5 б



Basic length + stroke = total length