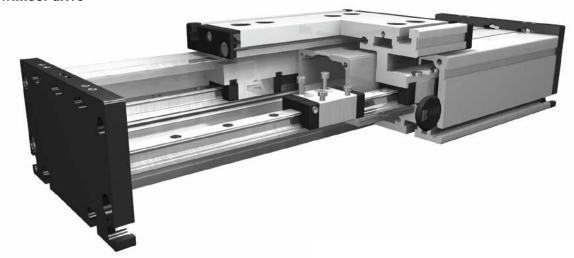
Positioning system DSR 120, 160, 200

Roller unit without drive



Function:

This unit consists of a rectangular aluminium profile with 2 integrated rail guidess. The openings of the guide body are sealed with 3 stainless steel cover bands to protect the guide from splash water and dust. Alternatively, the opening can also be covered with a bellow or can be delivered without cover bands. The positioning system can be either driven by an internal pneumatic cylinder or other additional drives or it serves as load carrying linear slide.

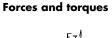
Fitting position: As required. Max. length 6.000 mm without joints.

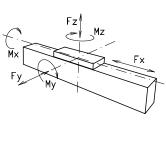
Carriage mounting: By T-slots.

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

Carriage support: In the standard version, the carriage runs on 4 runner blocks which can be adjusted and serviced at a central

servicing position. For longer carriages the number of runner blocks can be increased.





Size	120 5000 km 10000 km		16	50	200		
permitted dyn. Forces*			5000 km	5000 km 10000 km		5000 km 10000 km	
$F_{Y}(N)$	1 <i>77</i> 6	1405	<i>557</i> 0	3900	15600	11080	
$F_z(N)$	2090	1650	7050	5020	20600	14600	
M_{x} (Nm)	81	64	358	255	1285	915	
$M_{v}(Nm)$	97	77	369	262	1375	980	
M _z (Nm)	96	<i>7</i> 6	364	258	1345	960	

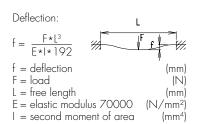
All forces and torques related to the following:

 $\frac{F_{y}}{F_{y_{dyn}}} \quad \bullet \quad \frac{F_{z}}{F_{z_{dyn}}} \quad \bullet \quad \frac{Mx}{Mx_{dyn}} \quad \bullet \quad \frac{My}{My_{dyn}} \quad \bullet \quad \frac{Mz}{Mz_{dyn}} \leq 1$ existing values table values

Speed									
(m/s) max	5	5	5						
Geometrical moments of inertia of aluminium profile									
l _x mm⁴	5,61x10 ⁵	2,13x10 ⁶	4,81 ×10°						
l _v mm⁴	34,19x10⁵	12,33x10 ⁶	26,0 x10 ⁶						
Elastic modulus N/mm²	70000	70000	70000						

For life-time calculation use our homepage.

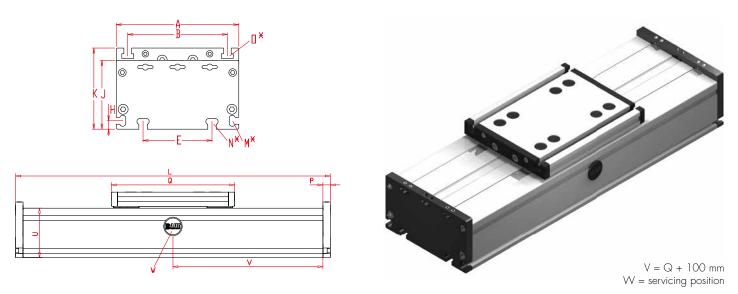
* referred to life-time











*For slide nuts refer to chapter 2.2 page 2

Increasing the carriage length will increase the basic length by the same amount.

Size	Basic length L	A	В	E	н	J	К	M for	N for	O for	Р	Q	U	Basic weight	Weight per 100 mm
DSR 120	200	120	96	<i>7</i> 8	10	68	79	M 5	M 6	M 6	10	156	60	3,2 kg	0,71 kg
DSR 160	240	160	130	90	11	90	106	M 6	M 8	M 8	12	200	80	7,0 kg	1,5 kg
DSR 200	320	200	160	140	15	110	129	M 8	M 10	M 10	15	270	100	15,0 kg	2,9 kg









internal profile without cover bands

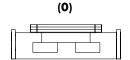


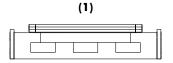
without internal profile and cover bands



Stainless versions upon request.

Choice of carriages: 0





Size	Versi	ion 0	Version 1			
JIZE	Q	L	Q	L		
120	156	200	156	200		
160	200	240	>230	>270		
200	270	320	>310	>360		

1500 Basic length + stroke = total length DSR | 160 | 0 | 0 | 0 | 0 | 0 | 0 | 01500

Sample ordering code:

DSR 160, with internal profile and cover bands, standard runner blocks, 1260 mm stroke.





