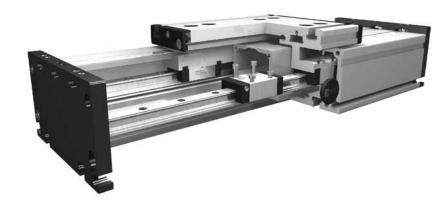
Linear system **DSR 120, 160, 200**



RAIL GUIDE

✓ WITHOUT DRIVE

■→ SUPPORT UNIT



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, it can also be supplied 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. Construction compatible with DSZ.

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

Carriage mounting:

By T-slots.

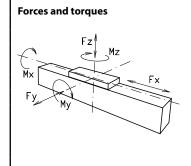
Unit mounting:

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 servic-

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



Size	120		16	50	200		
permitted dyn. Forces*	5000 km	10000 km	5000 km	10000 km	5000 km	10000 km	
F _y (N)	1776	1405	5570	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	76	364	258	1345	960	

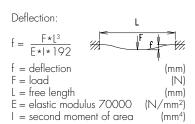
All forces and torques related to the following:

existing values $\frac{Fy}{Fy_{dyn}}$ + $\frac{Fz}{Fz_{dyn}}$ + $\frac{Mx}{Mx_{dyn}}$ + $\frac{My}{My_{dyn}}$ + $\frac{Mz}{Mz_{dyn}}$ \leq

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

For life-time calculation use our homepage.

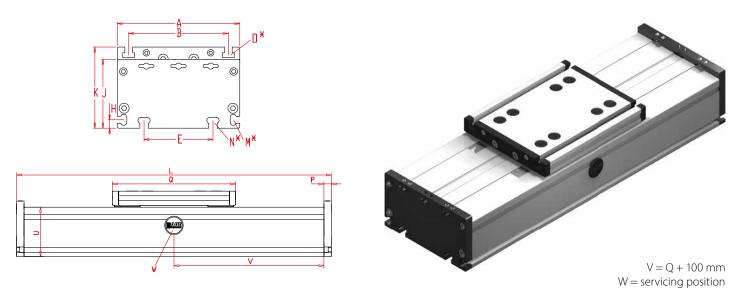
* referred to life-time





Dimensions (mm)

Linear system **DSR 120, 160, 200**



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	78	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

Choice of guide body profile: Stainless versions upon request.



internal profile with cover bands

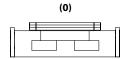


internal profile without cover bands



without internal profile and cover bands

O Choice of carriages:





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

DSR 160 0 0 0 0 0 0 1500

Basic length + stroke = total length

Sample ordering code:

DSR160, with internal profile and cover bands, standard runner blocks, 1260 mm stroke.

