

## 6 Recirculating unit

### 6.2 Type SKC



The recirculating unit type SKC was developed for dry runs and in-vacuum and clean-room applications. It is made out of DURALLOY® coated steel and has ceramic balls, which are separated from one another by balls made out of TEFLON®.

This recirculating unit is used combined with SCHNEEBERGER linear guideways of type R and/or RD. In this way space-saving designs can be created that can be equally loaded in all directions. It is suitable for small to medium loads.

#### Benchmark data

Supporting structure

- Hardened and ground and coated with high precision

Materials

- Supporting structure made of stainless steel 1.4034, DURALLOY® coated, hardness 58 - 62 HRC
- Transmission part made out of stainless steel 1.4034
- Rolling element made of ceramic  
(balls made of TEFLON® between the ceramic balls are responsible for minimal friction)

Speed

- 2 m/s

Acceleration

- 50 m/s<sup>2</sup>

Operating temperatures

- -150° C to +200° C

Same installation with the following recirculating units

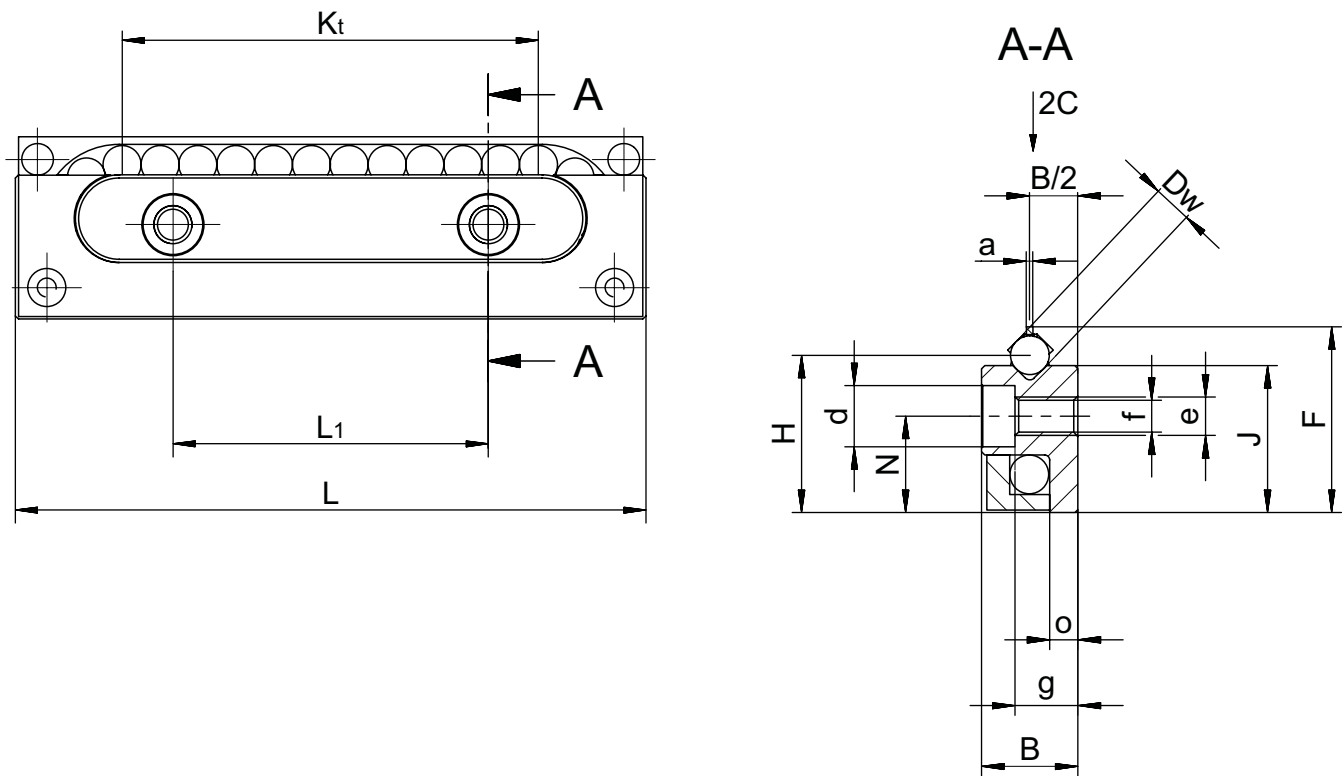
- SK, SKD and SR

Can be combined with the following products

- Linear guideway type R and RD

## 6 Recirculating unit

### Dimensions and load capacities of type SKC

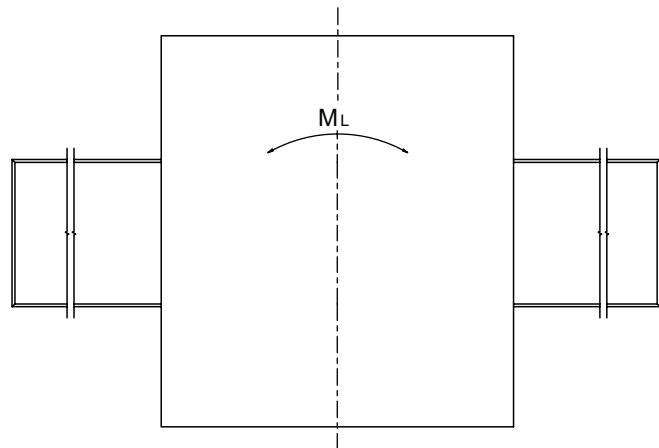
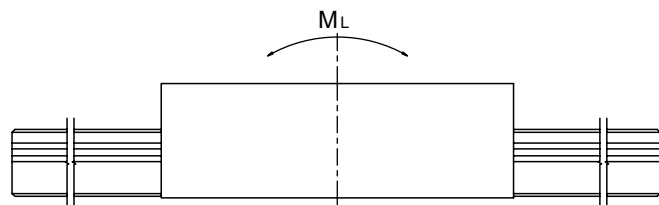
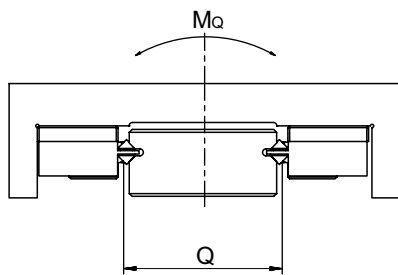
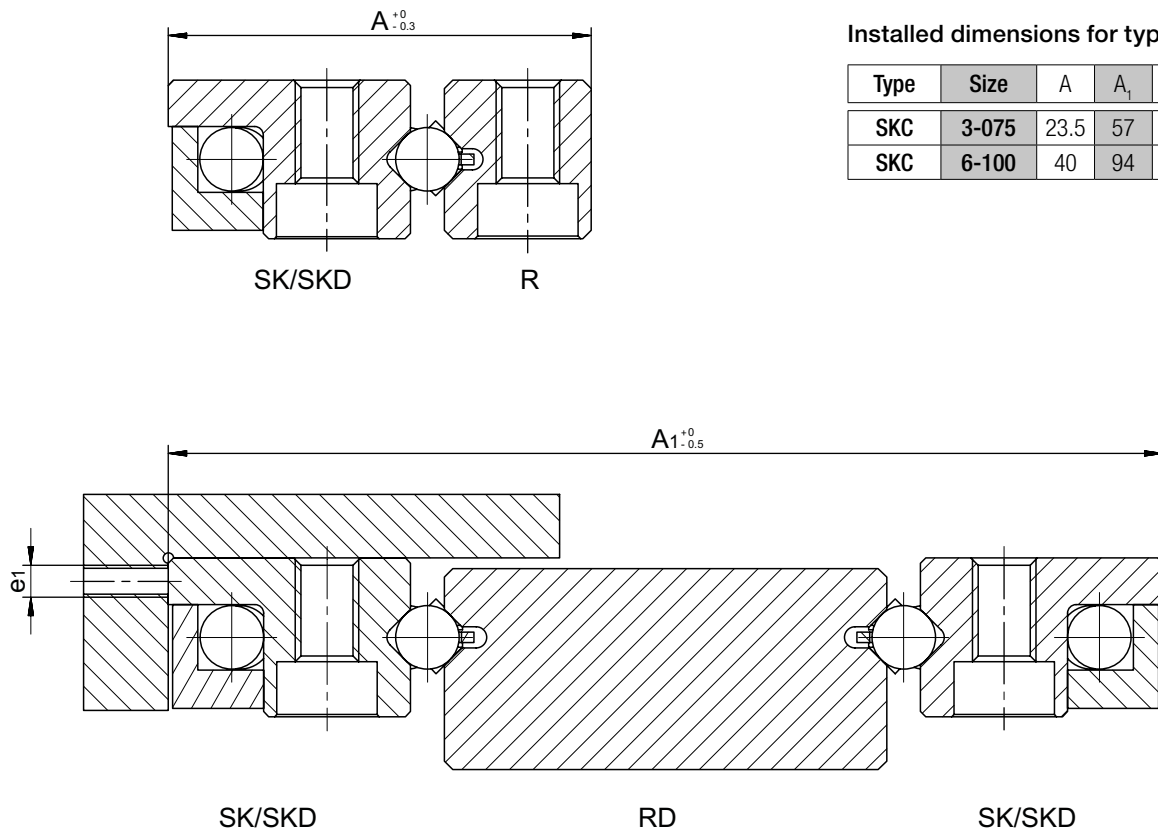


Type and size	Weight in g	B	Dw	F	H	J	$K_t$	L	$L_1$	N	a	d	e	f	g	o	C in N	Options (see chapter 8)
SKC 3-075	44	8	3	16.9	14.5	13.8	48	75	25	25	9	0.5	6	M4	3.3	4.9	2.4	75
SKC 6-100	212	15	6	28.9	24.5	22.9	60	100	50	50	15	1	9.5	M6	5.2	9.8	4.4	125

\* Loading capacity for dry running

## 6 Recirculating unit

### Installed dimensions and permissible torques for type SKC



#### Permissible torques for type SKC

Type	Size	Q	$M_L$ in Nm	$M_Q$ in Nm
SKC	3-075	28.0	0.9	2.1
SKC	6-100	45.0	3.0	5.6