

10 Recirculating unit standard parameters

10.1 Operating temperatures

SCHNEEBERGER recirculating units can be used at operating temperatures from -40°C to $+80^{\circ}\text{C}$ (for brief periods temperatures up to $+120^{\circ}\text{C}$ are possible). For type SKC the temperature range is -150°C to $+200^{\circ}\text{C}$.

10.2 Speeds and accelerations

The following limit values apply for the standard designs:

Product	max. speed	max. acceleration
SK, SKD, SKC and SR	2 m/s	50 m/s ²
NRT	1 m/s	50 m/s ²

10.3 Friction, running accuracy and smoothness

When manufacturing the recirculating units, SCHNEEBERGER places great value on a high level of smoothness. Transitions, run-ins and run-outs or the quality of the synthetic materials are given top priority. This also applies in respect of the rolling elements used, which must satisfy the most stringent quality demands.

For recirculating units under normal operating conditions a friction factor of 0.005 can be assumed.