

## 6.1.2. Sliding blocks

Different sliding blocks (Figure 6.3) are available for linear axes of the AXE series.

The distance between the sliding blocks must be selected according to the load, required straightness and rigidity. Two different designs of sliding blocks are available. The dimensions and type codes, including the ID - Numbers of the sliding blocks, are specified in Figure 6.4 and Table 6.2.

### Design type E / F

- Standard sliding block
- Steel galvanized (stainless steel A2 partly possible)
- Swiveling into any desired position
- Fixation via spring-loaded ball

### Design type R

- For effective component mounting
- Zinc die cast
- Pre-assembly on the component for insertion into any position
- Locking by tightening the screw

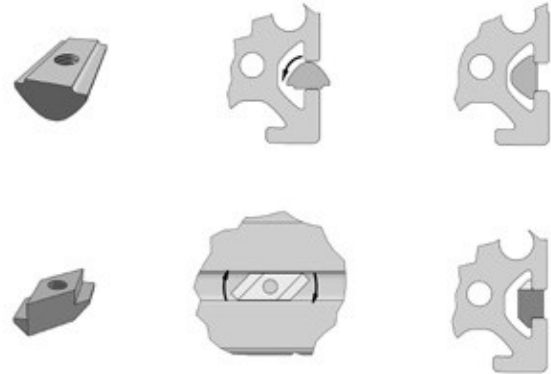


Figure 6.3 Sliding block designs

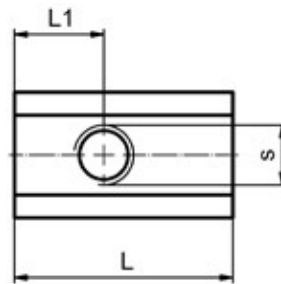


Figure 6.4 Dimension sliding blocks

Table 6.2 Sliding blocks

Type	Type code	ID number	Design type	S	L <sup>1</sup>	L1 <sup>1</sup>	TA <sup>2</sup>	max. tensile force
					[mm]	[mm]	[mm]	
AXE40Z AXE60Z	AX-AC-SBL-5ST-M3-E	109066	E	M3	12	3.0	1.5	500
	AX-AC-SBL-5ST-M4-E	109073	E	M4	12	4.0	3.0	500
	AX-AC-SBL-5ST-M4-E-A2	289073	E	M4	12	4.0	3.0	500
	AX-AC-SBL-5ST-M5-E	109070	E	M5	12	4.0	4.5	500
	AX-AC-SBL-5ST-M5-E-A2	139275	E	M5	12	4.0	4.5	500
AXE80Z	AX-AC-SBL-5-M3-R-Zi	103758	R	M3	5	2.5	1.0	50
	AX-AC-SBL-6ST-M4-E	109094	E	M4	17	5.0	4.0	1 750
	AX-AC-SBL-6ST-M5-E	109093	E	M5	17	5.0	8.0 <sup>3</sup>	1 750
	AX-AC-SBL-6ST-M6-E	109091	E	M6	17	5.5	14.0 <sup>3</sup>	1 750
	AX-AC-SBL-6ST-M6-E-A2	203392	E	M6	17	5.5	14.0 <sup>3</sup>	1 750
AXE100Z (groove laterally above)	AX-AC-SBL-6-M4-R-Zi	103759	R	M4	15	7.5	1.5	150
	AX-AC-SBL-6ST-M4-F	255069	F	M4	16	8.0	4.0 <sup>3</sup>	1 750
	AX-AC-SBL-6ST-M5-F	353280	F	M5	16	8.0	8.0 <sup>3</sup>	1 750
AXE100Z (groove below and laterally below)	AX-AC-SBL-6ST-M6-F	255070	F	M6	16	8.0	14.0 <sup>3</sup>	1 750
	AX-AC-SBL-8ST-M5-F	258785	F	M5	22	7.0	8.0 <sup>3</sup>	2 500
	AX-AC-SBL-8ST-M6-F	183942	F	M6	22	7.0	14.0 <sup>3</sup>	2 500
	AX-AC-SBL-8ST-M8-F	149812	F	M8	22	7.0	25.0	2 500

<sup>1</sup>- Maximum value, deviating dimension possible

<sup>2</sup>- Maximum tightening torque

<sup>3</sup>- Maximum tightening torque only applies to screws of property class IP 10.9