

6.1.2 Sliding blocks

Sliding blocks (Figure 6.5) are available for Linear Axis of the series AXC, AXDL, AXLT and AXS.

The distance between the sliding blocks should be selected depending on the load and the required straightness and the rigidity.

Four different designs of sliding blocks are available. The dimensions and type codes, including the ID-Numbers of the sliding blocks are shown in Figure 6.6 and Table 6.3.

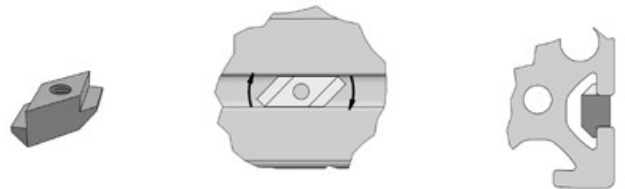
Design type E/F

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



Design type R

- For effective component mounting
- Zinc diecasting
- Is pre-assembled on the component and can be inserted in any position
- Locking by tightening the screw



Design type S

- Heavy load sliding block
- Steel galvanized (partly stainless steel A2 possible)
- Pushed in from the profile end
- For groove width 8 fixation via spring-loaded ball

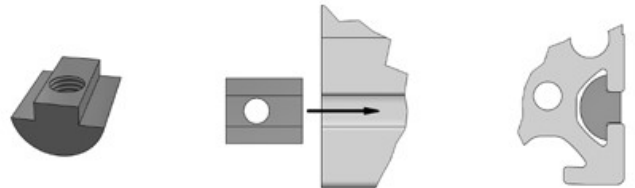


Figure 6.5 — Sliding block designs

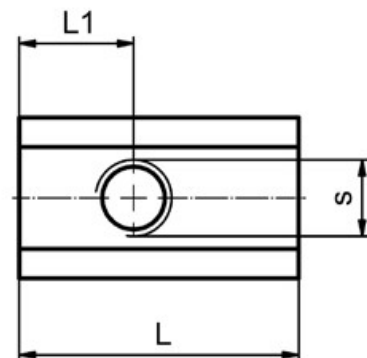


Figure 6.6 — Sliding block dimensions

Table 6.3 — Sliding blocks

Type	Designation	ID number	Design type	S	L ¹ [mm]	L1 ¹ [mm]	TA ² [Nm]	max. tensile force [N]
AXC40 AXC60	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
	AX-AC-SBL-5-M3-R-Zi	103758	R	M3	5	2,5	1,0	50
AXC80	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 ³	1 750
	AX-AC-SBL-6ST-M6-E	109091	E	M6	17	5,5	14,0 ³	1 750
	AX-AC-SBL-6ST-M6-E-A2	203392	E	M6	17	5,5	14,0 ³	1 750
	AX-AC-SBL-6-M4-R-Zi	103759	R	M4	15	7,5	1,5	150
AXC100Z (groove laterally above)	AX-AC-SBL-6-ST-M4-F	255069	F	M4	16	8,0	4,0 ³	1 750
	AX-AC-SBL-6-ST-M5-F	353280	F	M5	16	8,0	8,0 ³	1 750
	AX-AC-SBL-6-ST-M6-F	255070	F	M6	16	8,0	14,0 ³	1 750
AXC100Z (groove below and laterally below)	AX-AC-SBL-8-ST-M5-F	258785	F	M5	22	7,0	8,0 ³	2 500
	AX-AC-SBL-8-ST-M6-F	183942	F	M6	22	7,0	14,0 ³	2 500
	AX-AC-SBL-8-ST-M8-F	149812	F	M8	22	7,0	25,0	2 500
AXC120 AXLT155 AXLT225 AXS120T AXS200 AXDL240	AX-AC-SBL-8ST-M4-E	103763	E	M4	22	9,0	4,0	2 500
	AX-AC-SBL-8ST-M6-E	108963	E	M6	22	9,0	14,0 ³	3 500
	AX-AC-SBL-8ST-M8-E	108962	E	M8	22	9,0	25,0	5 000
	AX-AC-SBL-8-M4-R-Zi	109090	R	M4	19	9,5	1,5	250
	AX-AC-SBL-8-M5-R-Zi	103761	R	M5	19	9,5	1,5	250
	AX-AC-SBL-8ST-M5-S	103753	S	M5	22	9,0	8,0 ³	2 500
	AX-AC-SBL-8ST-M6-S	103755	S	M6	22	7,0	14,0 ³	3 500
	AX-AC-SBL-8ST-M8-S	108961	S	M8	20	7,0	34,0 ³	5 000
AX-AC-SBL-8ST-M8-S-A2	203213	S	M8	20	7,0	34,0 ³	5 000	
AXS280	AX-AC-SBL-12ST-M6-S	410647	S	M6	35	11,5	14,0 ³	6 000
	AX-AC-SBL-12ST-M8-S	109067	S	M8	35	11,5	34,0 ³	3 500
	AX-AC-SBL-12ST-M10-S	103760	S	M10	35	11,5	46,0	10 000
	AX-AC-SBL-12ST-M12-S	147263	S	M12	35	11,5	80,0	10 000
AXS230 AXS460	AX-AC-SBL-DIN508-14-M8-S	103764	S	M8	22	11,0	34,0 ³	6 000
AX-AC-SBL-DIN508-14-M12-S	103749	S	M12	22	11,0	85,0	10 000	

¹ Maximum value, deviating dimension possible

² Maximum tightening torque

³ Maximum tightening torque only applies to screws of property class 10.9