

6.2 Drive options

6.2.1 Plug-in shaft

Plug-in shafts are common variants of the form-fitting drive adaptation (Figure 6.23), which is available for Linear Axis of the AXC_Z, AXC_A, AXDL_Z and AXDL_A series.

For optimal alignment of the fastening elements for the drive, it is necessary to specify the mounting side for the machining of the profile. The delivery includes the corresponding sliding blocks for the drive fixing. The dimensions are shown in Figure 6.24 and Table 6.15. For applications with higher dynamics, we recommend force and form-fitting drive adaptations with integrated couplings as described in chapter 6.2.2 or 6.2.4.

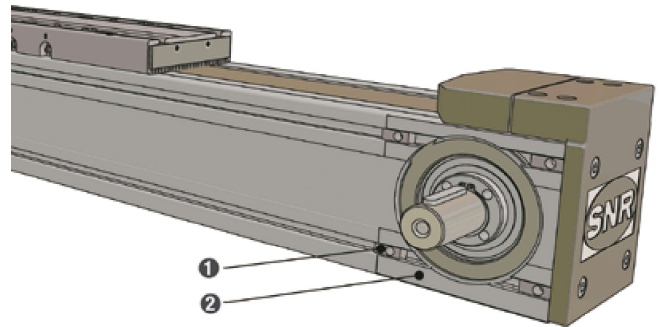


Figure 6.23 — Plug-in shaft

- ❶ sliding block / Threaded hole
- ❷ machined mounting surface for the drive adaptation

The dimensions of the plug-in shafts are shown in Figure 6.24 and Table 6.15

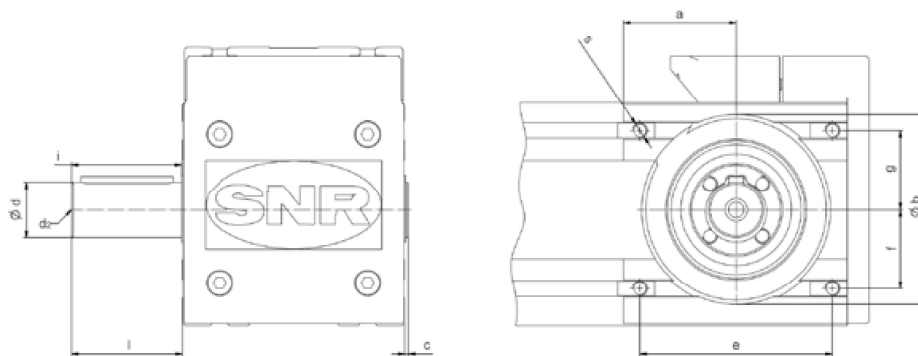


Figure 6.24 — Dimensions plug-in shaft and mounting dimensions

Table 6.15 — Dimensions plug-in shaft

Type	a [mm]	b [mm]	c ¹ [mm]	d h6 [mm]	d2	e [mm]	f [mm]	g [mm]	i [mm]	l [mm]	s
AXC40Z AXC40A	23	26H7x1	1	10	M4x7	34,0	9,90	8,10	29,5	30	M3x5
AXC60Z AXC60A	34	47H7x1	1	14	M5x8	54,0	22,50	17,50	30,0	30	M5x6
AXC80Z AXC80A	42	68H7x2	2	20	M6x10	72,0	23,50	20,50	39,3	40	M5x9
AXC100Z	53	90H8x2		25	M10x17	85,0	42,50	42,50	53,5	50	M8x12
AXC120Z	61	102H8x2	2	30	M10x17	104,0	42,50	42,50	59,5	60	M8x12
AXC120A	61 (Ø162) ²	102H8x2 (110H8x3,5) ²	2	30	M10x17	104 (91,9) ²	42,50 (45,95) ²	42,50 (45,95) ²	59,5	60	M8x12 (M8x13) ²
AXDL110Z		60H8x19		16	M5x8	48,1	24,05	24,05	55,5	30	M5x10
AXDL160Z		75H8x41		25	M10x17	66,0	25,00	25,00	92,3	50	M6x15
AXDL160A		80H8x3		--	--	70,7	35,35	35,35	--	--	M6x12
AXDL240Z		90H8x53		30	M10x17	70,7	35,35	35,35	113,5	60	M6x18
AXDL240A		110H8x3,5		30	M10x17	91,9	45,95	45,95	113,5	60	M8x15,5

¹ - Not applicable for drive adaptation WD

² - Dimension of the machined surface from the opposite side