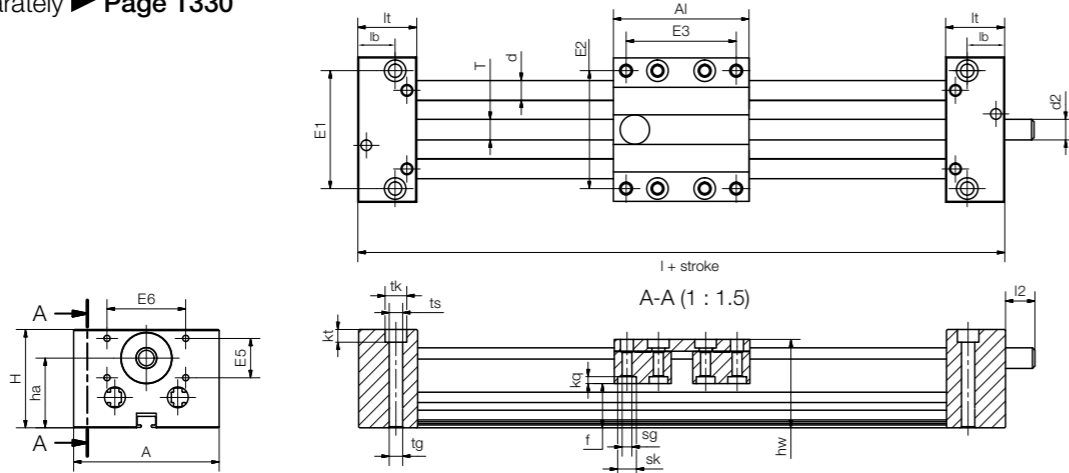


Robust design



- Trapezoidal or high helix threads
- Ball bearing supported lead screw
- Rail profile in high design, extremely torsion-resistant
- Aluminium drylin® W guide rails, hard-anodised
- High stability
- Cost-effective and 100% lubrication-free
- Available accessories ► Page 1503
- Lead screw nuts are available separately ► Page 1330



Technical data

Part No.	Max. stroke length [mm]	Weight [kg]	Additional (per 100mm)	Max. speed [rpm]	Max. static load capacity	
					axial [N]	radial [N]
SAW-0630	300	0.5	0.1	1,000	100	400
SAW-0660	500	0.9	0.1	1,000	100	400
SAW-1040	500	1.0	0.1	1,500	500	2,000
SAW-1080	750	1.9	0.2	1,500	750	2,000
SAW-1660	750	2.8	0.5	1,500	750	3,000

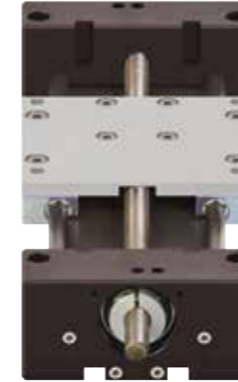
Dimensions [mm]

Part No.	A	Al	H	E1	E2	E3	E5	E6	I	lc	hw	f	lt	lb
	-0.3	-0.3		+0.15	+0.15	+0.15								
SAW-0630	54	60/100	32	40	45	51/91	11	23	112/152	92	30	13.5	26	10
SAW-0660	85	100	38	71	76	91	-	-	156	-	34	13.7	28	-
SAW-1040	74	69/100/150	50	60	60	56/87/137	20	40	129/160/210	91	45	22.5	30	19
SAW-1080	108	100	58	94	94	87	-	-	163	131.5	49	22.5	31.5	15.75
SAW-1660	104	150	77	84	86	132	20	40	220	175	72	38.5	35	22.5

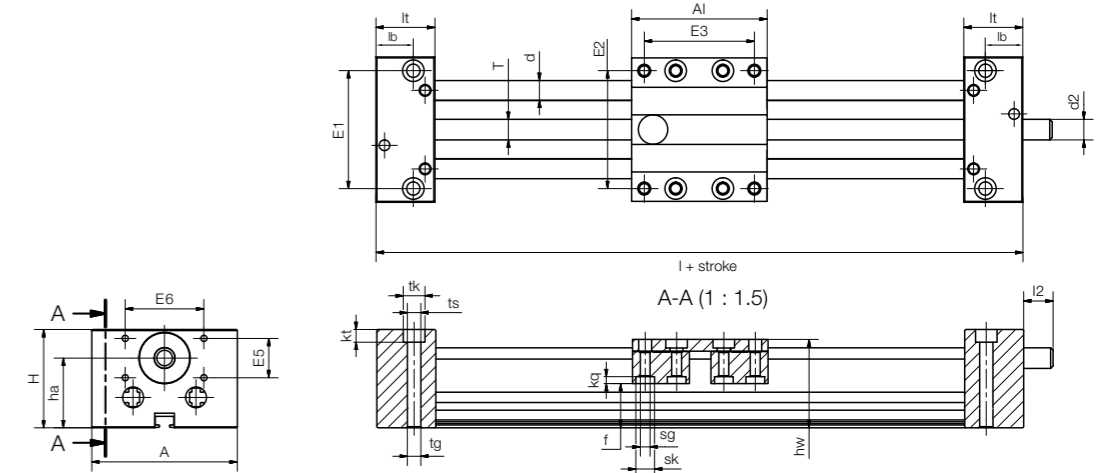
Part No.	tk	ts	tg	kt	sk	sg	kq	d	T	l2	d2	ha
				±0.1					∅			
SAW-0630	11	6.6	-	20	-	M4	10	□5	Tr8x1.5	15	Tr8x1.5	21.5
SAW-0660	-	-	M8	20	7	M4	2	□6	Tr10x2	15	Tr10x2	23.0
SAW-1040	11	6.8	M8	6.4	9.5	M6	3.5	10	Tr10x2	17	Tr10x2 ∅ 6 h9 ¹¹³⁾	35.5
SAW-1080	11	6.8	M8	18	9.5	M6	3.5	10	Tr12x3	17	Tr12x3 ∅ 8 h9 ¹¹³⁾	37.5
SAW-1660	15	9.0	M10	8.6	11	M8	5.5	16	Tr14x4	20	Tr14x4 ∅ 8 h9 ¹¹³⁾	59.0

¹¹³⁾ Lead screw end unmachined, also available with machined end

Reduced clearance with pretension in lead screw support and lead screw nut



- Lubrication and maintenance-free
- Quiet, reduced backlash
- Trapezoidal or high helix threads
- 3 carriage lengths (100/150/200mm) with spring-loaded second lead screw nut
- Liners made from wear-resistant high-performance polymers
- For manual and electric adjustment even in multi-axis linear robots



Technical data

Part No.	Max. stroke length [mm]	Weight [kg]	Additional (per 100mm)	Max. speed [rpm]	Max. static load capacity	
					axial [N]	radial [N]
SAW-1080-PL	750	1.9	0.2	1,500	750	2,000

Dimensions [mm]

Part No.	A	Al	H	E1	E2	E3	E5	E6	I	lc	hw	f	lt	lb
	-0.3	-0.3		+0.15	+0.15	+0.15								
SAW-1080-PL	108	100	58	94	94	87	-	-	163	131.5	49	22.5	31.5	15.75

Part No.	tk	ts	tg	kt	sk	sg	kq	d	T	l2	d2	ha
				±0.1					∅			
SAW-1080-PL	11	6.8	M8	18	9.5	M6	3.5	10	Tr12x3	17	Tr12x3 ∅ 8 h9 ¹¹³⁾	37.5

¹¹³⁾ Lead screw end unmachined, also available with machined end