

Shaft end combinations

In the order code, shaft end machining is defined by :

- one letter for $\varnothing < 16$ mm
- two letters for $\varnothing \geq 16$ mm

resulting from the combination of two machined ends (see designation page 36).

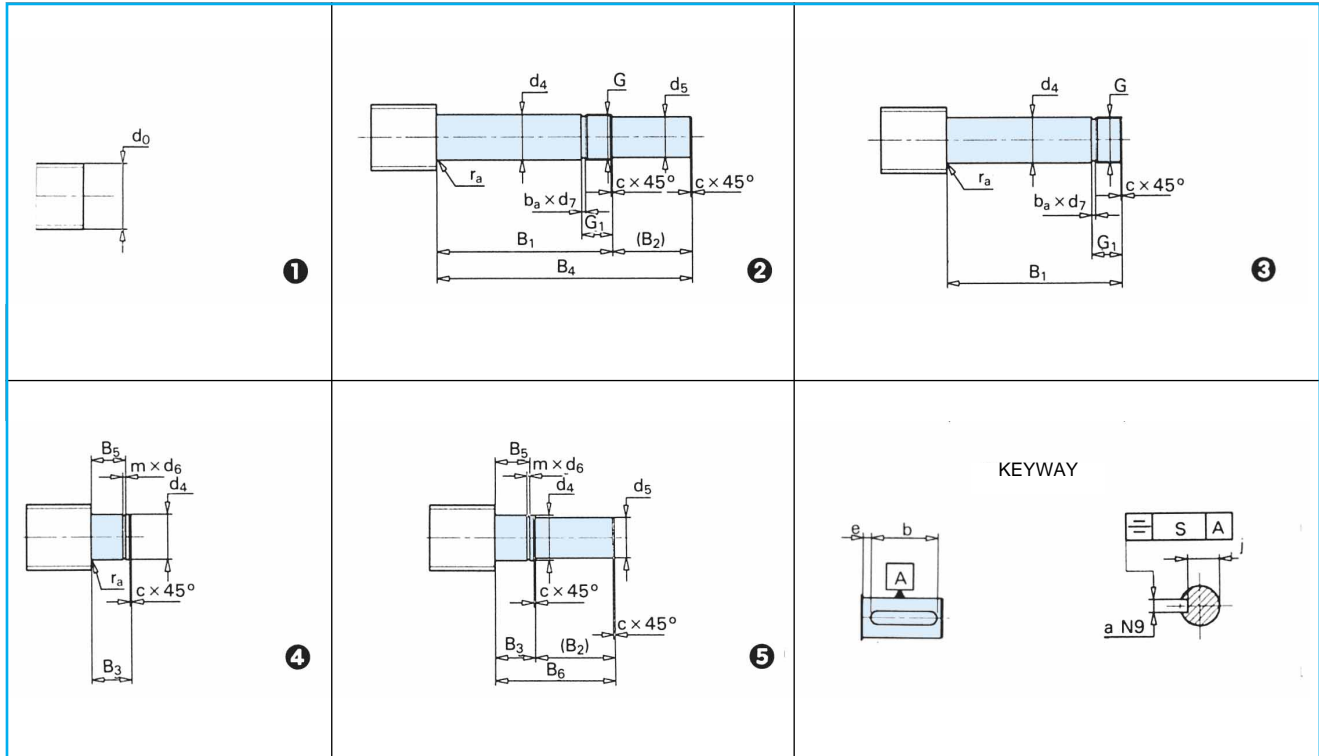
Machined ends are represented in details in page 23 for $\varnothing < 16$ mm and page 25 for $\varnothing \geq 16$ mm

$\varnothing < 16$ mm		$\varnothing \geq 16$ mm	
Order code	Two machined ends	Order code	Two machined ends
A (without length indication)	cut only	AA (without length indication)	cut only
A (+ length)	cut + annealed	AA (+ length)	cut + annealed
B	1 + 2	BA	1A + 2A
F *	2 + 2	FA *	2A + 2A
G *	2 + 3	GA *	2A + 3A
H	2 + 4	HA	2A + 4A
J	2 + 5	JA	2A + 5A
M	3 + 5	MA	3A + 5A
S (+ length)	Ends to root diameter, any possible lengths	SA (+ length)	Ends to root diameter, any possible lengths
T	Faced ends with centre holes	TA	Faced ends with centre holes
K	Keyway	K	Keyway
Z	To customer's drawing	Z	To customer's drawing

* Attention !
This mounting requires the greatest precautions.
Please contact us.

Standard end machining for nominal diameter < 16 mm

Special ends are machined to customers drawing on request.



d_0	d_5	d_4	B_1	B_2	B_3	B_4	B_5	B_6	G	G_1	m	d_6	c	b_a	d_7	r_a	a	b	e	j	S	Keyway	
	h7	js7	js12		js12	js12	H11	js12	6g		$+0,140$ 0	h11/h12			h11	maxi N9	$+0,5$ 0					DIN 6885	
6	3	4	22	10	7	32	5,4	17	M4 x 0,7	7	0,5	3,8	0,5	1,2	2,9								
8	4	5	24	12	7	36	5,6	19	M5 x 0,8	7,2	0,7	4,8	0,5	1,2	3,7	0,3							
10	5	6	26	12	9	38	6,7	21	M6 x 1	7,5	0,8	5,7	0,5	1,5	4,5	0,3							
12/12,7	6	8	38	12	10	50	7,8	22	M8 x 1	12,5	0,9	7,6	0,5	1,5	6,5	0,3	2	8	3	4,8	0,1	A2 x 2 x 8	

Standard end machining for nominal diameter ≥ 16 mm

Standard shaft ends for ball screws, nominal diameter ≥ 16 mm, have been developed to suit the SKF thrust bearings FLBU, PLBU and BUF

These standard ends are the same for all screw types. However, for the "SL/TL" long lead screw, an additional shoulder, part of the threaded

length, will be machined to protect the wiper and nut thread during assembly (both sides). Apart from this, the end itself is the same for all screw types.

Dimensions (mm)																										
Size d_0	d_5	d_4	d_{10}	d_{11}	d_{12}	B_1	B_2	B_3	B_4	B_5	B_6	B_7	B_9	d_8	G	G_1	m	d_6	c	c_1	b_a	d_7	r_a	Keyway to DIN 6885 $a^{N9} x l x b$		
	h7	h6		h6	h7	js12		js12	js12	H11	js12				6g		+0.14 +0	h11 5/ h12 6/				h11			fixed end (type 2A)	free end (type 5A)

For "SH" - "SX" - "SN/TN/PN" - "TND/PND"

16	8	10	/	10	8	53	16	13	69	10	29	2	0	12.5	M10x0.75	17	1.1	9.6	0.5	0.5	1.2	8.8	0.4		A2x2x12	A2x2x12
20	10	12	/	10	8	58	17	13	75	10	29	2	0	14.5	M12x1	18	1.1	9.6	0.5	0.5	1.5	10.5	0.8 0.4 7/		A3x3x12	A2x2x12
25	15	17	/	17	15	66	30	16	96	13	46	4.5	0	20	M17x1	22	1.1	16.2	0.5	0.5	1.5	15.5	0.8 0.4 7/		A5x5x25	A5x5x25
32	17	20	/	17	15	69	30	16	99	13	46	4.5	0	21.7	M20x1	22	1.1	16.2	0.5	0.5	1.5	18.5	1.2 0.8 7/		A5x5x25	A5x5x25
40	25	30	/	30	25	76	45	22	121	17.5	67	4.5	0	33.5	M30x1.5	25	1.6	28.6	1	0.5	2.3	27.8	0.8 0.4 7/		A8x7x40	A8x7x40
50	30	35	/	30	25	84	55	22	139	17.5	67	4.5	0	35.2	M35x1.5	27	1.6	28.6	1	0.5	2.3	32.8	1.2 0.8 7/		A8x7x45	A8x7x40
63	40	50	/	45	40	114	65	28	179	20.75	93	3	0	54	M50x1.5	32	1.85	42.5	1.5	1	2.3	47.8	1.2 0.8 7/		A12x8x50	A12x8x50
80	50	55	/	45	40	119	75	28	194	20.75	93	3	0	54	M55x2	32	1.85	42.5	1.5	1	3	52.1	1.6 0.8 7/		A14x9x63	A12x8x50

For "SL/TL" only

25	15	17	/	17	15	66	30	16	96	13	46	4.5	0	21.7 4/ 21.5 3/	M17x1	22	1.1	16.2	0.5	0.5	1.5	15.5	0.8		A5x5x25	A5x5x25
32	17	20	21.5	17	15	69	30	16	99	13	46	4.5	2	27.4	M20x1	22	1.1	16.2	0.5	0.5	1.5	18.5	1.2 0.8 7/		A5x5x25	A5x5x25
40	25	30	/	30	25	76	45	22	121	17.5	67	6.5	0	35.2 2/ 34.2 1/	M30x1.5	25	1.6	28.6	1	0.5	2.3	27.8	0.8		A8x7x40	A8x7x40
50	30	35	37	30	25	84	55	22	139	17.5	67	9	3	43.4	M35x1.5	27	1.6	28.6	1	0.5	2.3	32.8	1.2 0.8 7/		A8x7x45	A8x7x40

1/ For SL/TL 40x40 only
2/ For SL/TL 40x20 only
3/ For SL/TL 25x25 only

4/ For SL/TL 25x20 only
5/ For screw d_0 16 to d_0 32
6/ For screw d_0 40 to d_0 80

7/ For ends 4A or 5A
0 No shoulder
/ No shoulder

Standard machined ends

Threaded length = total length - end length

