

## Ball Knobs DIN 319 from Plastic, Version C and E, with Thread

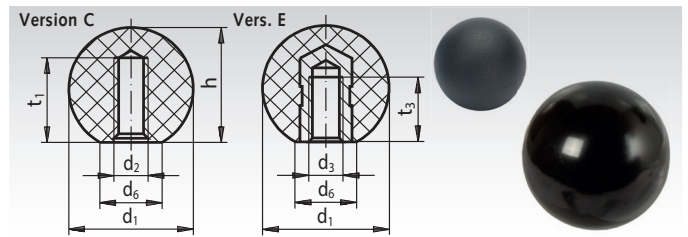
**Material PA:** Thermoplast (Polyamide PA6 GV), glass-fibre reinforced, impact resistant, black matt.

**Material PF31:** Duroplast PF31 (phenolic resin), impact resistant, black, high-gloss finish.

**Version C** = With compression-moulded thread.

**Version E** = With threaded bush of zinc-plated steel.

\*\* M4 threaded bush made from brass.



Ordering Details: e.g.: Product No. 664 716 04, Ball Knob DIN 319 Version C, 16mm M4

Product No. Version C PA	Product No. Version C PF31	Product No. Version E PA	Product No. Version E PF31	d <sub>1</sub> mm	d <sub>2</sub> Vers. C mm	d <sub>3</sub> Vers. E mm	d <sub>6</sub> mm	h mm	t <sub>1</sub> Vers. C mm	t <sub>3</sub> Vers. E mm	Weight Vers. C g	Weight Vers. E g
664 716 04	664 016 00	-	664 116 00**	16	M4	M4	8	15	6	6	2,8	3,4
664 716 05*	-	-	-	16	M5	-	8	15	6	6	2,8	-
664 720 05	664 020 00	664 820 05	664 120 00	20	M5	M5	12	18	7,5	7,5	5,2	8,1
664 720 06*	-	664 820 06*	-	20	M6	M6	12	18	7,5	7,5	5,2	8,1
664 725 06	664 025 00	664 825 06	664 125 00	25	M6	M6	15	22,5	9	9	9,9	13,6
664 725 08*	-	664 825 08*	-	25	M8	M8	15	22,5	9	9	9,9	13,6
664 732 08	664 032 00	664 832 08	664 132 00	32	M8	M8	18	29	12	12	20,8	30,2
664 732 10*	-	664 832 10*	-	32	M10	M10	18	29	12	12	20,8	30,2
664 740 10	664 040 00	-	664 140 00	40	M10	M10	22	37	15	15	42,7	54,5
664 740 12*	-	-	-	40	M12	-	22	37	15	15	41,0	-
-	664 045 00*	-	-	45	M10	-	17	44	15	18	62,0	-
-	664 050 00	-	664 150 00	50	M12	M12	28	46	18	18	85,4	106,4

\* Not part of the DIN 319.

## Ball Knobs DIN 319 from Plastic, Version L and M, Press-On Type

**Material PA:** Thermoplast (Polyamide PA6 GV), glass-fibre reinforced, impact resistant, black matt.

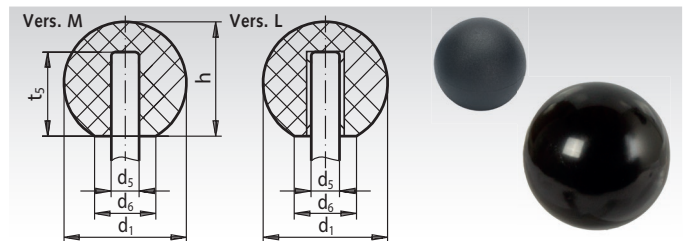
**Material PF31:** Duroplast PF31 (phenolic resin), impact resistant, black, high-gloss finish.

**Version M** = With conical bore.

**Version L** = With clamp bush (tolerance ring).

Recommended shaft tolerance: h9.

Ordering Details: e.g.: Product No. 664 320 05, Ball Knob DIN 319 Version M, PA, 16 mm



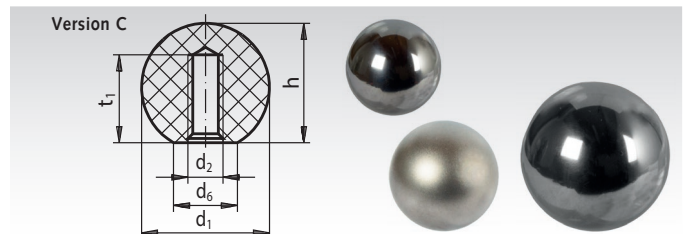
Product No. Version M PA	Product No. Version L PF31	d <sub>1</sub> mm	d <sub>5</sub> mm	d <sub>6</sub> mm	h mm	t <sub>5</sub> mm	Weight Vers. M g	Weight Vers. L g
-	664 216 00	16	4	8	15	11	-	2,5
664 320 05	664 220 00	20	5	12	18	13	5,0	5,0
664 325 06	664 225 00	25	6	15	22,5	16	10,0	10,3
664 325 08	664 226 00	25	8	15	22,5	15	9,6	9,9
664 332 08	664 232 00	32	8	18	29	15	21,0	22,5
664 332 10	664 233 00	32	10	18	29	20	20,0	20,0
664 340 10	664 240 00	40	10	22	37	20	41,0	42,0
664 340 12	664 241 00	40	12	22	37	23	40,0	40,0
-	664 250 00	50	16	28	46	23	-	82,0

## Ball Knobs DIN 319 from Metal, Version C, with Thread

**Material:** Steel, polished.  
Stainless steel 1.4305, matt blasted.  
Aluminium, polished.



**Version C** = With thread.



Ordering Details: e.g.: Product No. 664 416 00, Ball Knob DIN 319 Version C, Steel, 16mm

Product No. Steel	Product No. Stainless Steel	Product No. Aluminium	d <sub>1</sub> mm	d <sub>2</sub> mm	d <sub>6</sub> mm	h mm	t <sub>1</sub> min. mm	Weight g Steel	Weight g Stainless	Weight g Aluminium
664 416 00	664 994 16	664 664 16	16	M4	8	15	6	15	15	6
664 420 00	664 994 20	664 664 20	20	M5	12	18	7,5	26	26	11
664 425 00	664 994 25	664 664 25	25	M6	15	22,5	9	59	59	21
664 432 00	664 994 32	664 664 32	32	M8	18	29	12	116	116	43
664 440 00	664 994 40	664 664 40	40	M10	22	37	15	235	235	85
664 450 00	-	664 664 50	50	M12	28	46	18	475	475	169