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Ball Knobs • DIN 319

EH 24560.



Product Description

These ball knobs made of plastic are manufactured according to DIN 319 and have an internal thread / taper bore. An article group with knobs made of steel / stainless steel / light metal (aluminum) is also available in our product range.
The DIN 319 ball knobs are jointless and polished.

Material

Bushing
- Steel, zinc-plated by galvanization
- Brass

Ball
- Thermosetting plastic PF 31, black similar to RAL 9005
- Thermosetting plastic PF 31, red similar to RAL 3003

Assembly

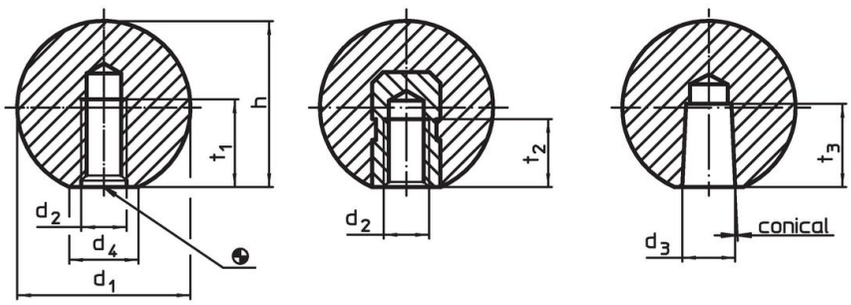
Assembly instruction for form M: Fitted by lightly tapping with a hammer, holds in position without being cemented. For the counter element a h9-fit is sufficient.

More information

Further products

- Ball Knobs, metal types similar to DIN 319

Drawing



Order information

Dimensions								For pin h9	max.		Art. No.
d_1	d_2	d_3	d_4 ~	h ~	t_1 min.	t_2 min.	t_3 min.	[mm]	[°C]	[g]	
with moulded material thread, form C – picture 1, black											
16	M 4	–	8	15.0	7	–	–	–	110	3.2	24560.0016
20	M 5	–	12	18.0	9	–	–	–	110	5.2	24560.0020
25	M 6	–	15	22.5	11	–	–	–	110	10.0	24560.0025
32	M 8	–	18	29.0	14	–	–	–	110	22.0	24560.0032
40	M10	–	22	37.0	18	–	–	–	110	42.0	24560.0040
50	M12	–	28	46.0	21	–	–	–	110	87.0	24560.0050
with threaded bushing, form E – picture 2, black											
16	M 4	–	8	15.0	–	6.0	–	–	110	4.9	24560.0116[1)]
20	M 5	–	12	18.0	–	7.5	–	–	110	8.0	24560.0120
25	M 6	–	15	22.5	–	9.0	–	–	110	14.0	24560.0125
32	M 8	–	18	29.0	–	12.0	–	–	110	26.0	24560.0132
40	M10	–	22	37.0	–	15.0	–	–	110	56.0	24560.0140
50	M12	–	28	46.0	–	18.0	–	–	110	108.0	24560.0150

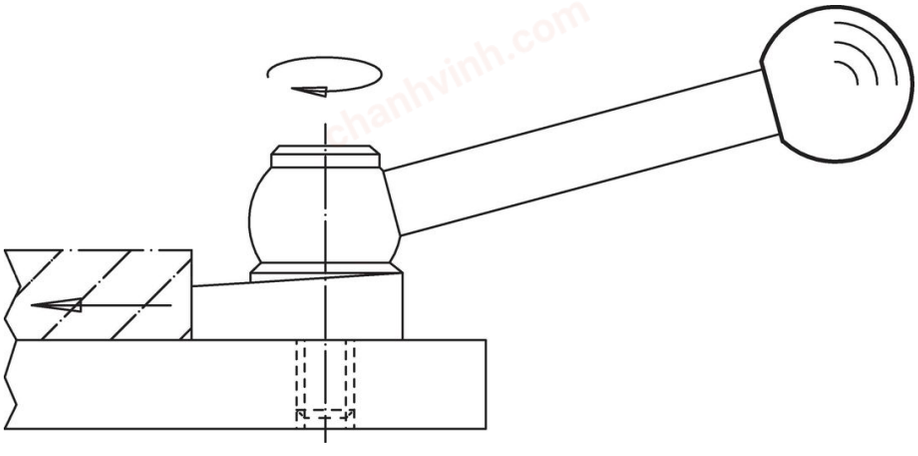
[1)] bushing from brass

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Dimensions								For pin h9	max.		Art. No.
d_1	d_2	d_3	d_4 ~	h ~	t_1 min.	t_2 min.	t_3 min.				
[mm]								[mm]	[°C]	[g]	
with moulded material thread, form C – picture 1, red											
16	M 4	–	8	15.0	7	–	–	–	110	3.0	24560.0516
20	M 5	–	12	18.0	9	–	–	–	110	5.0	24560.0520
25	M 6	–	15	22.5	11	–	–	–	110	11.0	24560.0525
32	M 8	–	18	29.0	14	–	–	–	110	23.0	24560.0532
40	M10	–	22	37.0	18	–	–	–	110	43.0	24560.0540
50	M12	–	28	46.0	21	–	–	–	110	86.0	24560.0550
with threaded bushing, form E – picture 2, red											
16	M 4	–	8	15.0	–	6.0	–	–	110	3.8	24560.0616[1)]
20	M 5	–	12	18.0	–	7.5	–	–	110	8.3	24560.0620
25	M 6	–	15	22.5	–	9.0	–	–	110	14.0	24560.0625
32	M 8	–	18	29.0	–	12.0	–	–	110	30.0	24560.0632
40	M10	–	22	37.0	–	15.0	–	–	110	55.0	24560.0640
50	M12	–	28	46.0	–	18.0	–	–	110	109.0	24560.0650
with taper bore form M – picture 3, black											
16	–	4	8	15.0	–	–	9	4	110	2.7	24560.0216
20	–	5	12	18.0	–	–	12	5	110	5.1	24560.0220
25	–	6	15	22.5	–	–	15	6	110	9.3	24560.0225
32	–	8	18	29.0	–	–	15	8	110	19.0	24560.0232
40	–	10	22	37.0	–	–	20	10	110	39.0	24560.0240
50	–	12	28	46.0	–	–	22	12	110	84.0	24560.0250

[1)] bushing from brass

Application example



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Compliance

RoHS-compliant
Compliant with Directive 2011/65/EU [RoHS].

Does not contain SVHC substances
No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 04.02.2026.

SCIP-code
N/A

Does not contain Proposition 65 substances
No Proposition 65 substances included.
https://www.P65Warnings.ca.gov/

Free from Conflict Minerals
This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.

POP-compliant
Contains no persistent organic pollutants – Stockholm Convention [POP] as of September 2025.

PFAS-compliant
Contains no per- and polyfluoroalkyl substances (PFAS).

TSCA-compliant
Agent concentration in this product does not exceed the specified threshold.