



elesa
Original design VRTP+IR



2 Bore code

B Without keyway

4 Type

R With revolving retractable handle

Specification

- Plastic
Special high-impact strength
Technopolymer (Polypropylene PP)
- High strength reinforced, shock-resistant
- Temperature resistant up to 176 °F (80 °C)
- Black, matte finish
- Hub bushing
Steel, blackened finish
- Retractable handle
Plastic
Technopolymer
- Black, matte finish
- Retractable mechanism
Steel, blackened finish
- Keyways WN / DIN 6885 → page 2039 / 2040
- Cross Holes GN 110 → page 2042
- ISO Fundamental Tolerances → page 2129
- Plastic Characteristics → page 2135
- RoHS compliant

On request

- Other modifications such as special inch and metric bores, keyways, set screw holes, etc.

Information

EN 522.3 two spoked handwheels with locking retractable handle are designed for applications where it is necessary for the handle to return back to starting position after operation for safety reasons or lack of space.

These handwheels have the distinguishing features where the handle and the retracting mechanism are completely encased within the rim of the wheel.

In the operating position, the handle is secured by a taper detent. To fold it down, it is drawn out from the tapered recess. A compression spring secures the handle in either position.

Ergonomically shaped rim for a safer and more comfortable grip.

Handle pivots freely during operation; a system of coaxial bushings compensates return spring load.

Resistant to solvents, oils, grease and other chemical agents.

see also...

- Countersunk Washers GN 184 (for Axial Fixing) → page 1150

How to order (Inch)	1 Handwheel diameter d ₁
1 2 3 4	2 Bore code
EN 522.3-80-B5/16-R	3 Bore diameter d ₂
	4 Type

How to order (Metric)	1 Handwheel diameter d ₁
1 2 3 4	2 Bore code
EN 522.3-250-B20-R	3 Bore diameter d ₂
	4 Type

Inch table

Dimensions in: inches - millimeters

d₁	d₂ +0.001 Bore	d₃	d₄	d₅	b	l₁	l₂	l₃	r	Ø Handle
3.15 80	5/16	0.71 18	0.81 20.5	0.98 25	0.71 18	0.67 17	1.38 35	1.77 45	1.14 29	0.61 15.5
3.94 100	3/8	0.71 18	0.81 20.5	1.00 25.5	0.79 20	0.67 17	1.46 37	2.36 60	1.46 37	0.71 18
4.92 125	3/8	0.87 22	1.02 26	1.22 31	0.87 22	0.87 22	1.73 44	2.56 65	1.89 48	0.87 22
6.30 160	1/2	1.02 26	1.22 31	1.57 40	0.98 25	1.06 27	2.01 51	2.87 73	2.56 65	0.94 24
7.87 200	5/8	1.18 30	1.42 36	1.91 48.5	1.10 28	1.34 34	2.40 61	3.15 80	3.31 84	0.94 24
9.84 250	5/8	1.38 35	1.73 44	2.28 58	1.26 32	1.50 38	2.72 69	3.54 90	4.13 105	0.98 25
11.81 300	3/4	1.57 40	2.05 52	2.60 66	1.40 35.5	1.69 43	3.07 78	3.54 90	4.84 123	0.98 25
14.76 375	3/4	1.38 35	2.76 70	3.19 81	1.54 39	1.69 43	3.43 87	3.54 90	6.30 160	0.98 25

Metric table

Dimensions in: millimeters - inches

d₁	d₂ H7 Bore	d₃	d₄	d₅	b	l₁	l₂	l₃	r	Ø Handle	
80 3.15	8	10	18 0.71	20.5 0.81	25 0.98	18 0.71	17 0.67	35 1.38	45 1.77	29 1.14	15.5 0.61
100 3.94	10	12	18 0.71	20.5 0.81	25.5 1.00	20 0.79	17 0.67	37 1.46	60 2.36	37 1.46	18 0.71
125 4.92	12	14	22 0.87	26 1.02	31 1.22	22 0.87	22 0.87	44 1.73	65 2.56	48 1.89	22 0.87
160 6.30	14	16	26 1.02	31 1.22	40 1.57	25 0.98	27 1.06	51 2.01	73 2.87	65 2.56	24 0.94
200 7.87	16	20	30 1.18	36 1.42	48.5 1.91	28 1.10	34 1.34	61 2.40	80 3.15	84 3.31	24 0.94
250 9.84	20	24	35 1.38	44 1.73	58 2.28	32 1.26	38 1.50	69 2.72	90 3.54	105 4.13	25 0.98
300 11.81	20	26	40 1.57	52 2.05	66 2.60	35.5 1.40	43 1.69	78 3.07	90 3.54	123 4.84	25 0.98
375 14.76	26	-	35 1.38	70 2.76	81 3.19	39 1.54	43 1.69	87 3.43	90 3.54	160 6.30	25 0.98

1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

