



ELESA original design VDS. / VDS+I



**2 Bore code**

**B** Without keyway

**4 Type**

**A** Without handle

**R** With revolving 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, molded-in
- Threaded insert  
Brass
- Cover  
Plastic, light gray, push-fit
- Revolving handles  
- Plastic, Technopolymer  
Black, matte finish  
- Threaded spindle  
Steel, zinc plated, blue passivated finish
- RoHS compliant

**Information**

EN 521 technopolymer plastic solid disk handwheels feature rear finger grips for comfortable operation.

The cover conceals mounting hardware as well as protruding and recessed shafts. For mounting, the cover is pushed in by hand. For dismantling, the cover can be raised and taken off by applying moderate pressure in the rim of the cover.

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

No mounting hole in rim for handwheel without handle. Handle shipped loose; mounting of handle is required.

see also...

- Countersunk Washers GN 184 (for Axial Fixing)
- Solid Disk Handwheels EN 524 (Technopolymer Plastic)
- Solid Disk Handwheels EN 520.1 (Phenolic Plastic, Steel Hub)

**On request**

- Other modifications such as special inch and metric bores, keyways, set screw holes, etc.
- Replace revolving handle with EN 597.1 Softline Revolving Mushroom Shaped Knobs → page XYZ
- Cover in other colors

How to order (Inch)	1 Handwheel diameter $d_1$
1 2 3 4	2 Bore code
EN 521-125-B3/8-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 521-100-B 8-A	3 Bore diameter $d_2$
	4 Type

### Inch table

Dimensions in: inches - millimeters

<b>d<sub>1</sub></b>	<b>d<sub>2</sub> +0.001 Bore Type R</b>	<b>d<sub>3</sub></b>	<b>d<sub>4</sub></b>	<b>d<sub>5</sub></b>	<b>d<sub>6</sub></b>	<b>d<sub>7</sub></b>	<b>b</b>	<b>h</b>	<b>l<sub>1</sub></b>	<b>l<sub>2</sub></b>	<b>l<sub>3</sub></b>	<b>r</b>	<b>Ø Handle</b>
3.15 80	5/16	.71 18	.63 16	.98 25	.75 19	.83 21	.79 20	.31 8	.67 17	1.14 29	1.77 45	1.20 30.5	.63 16
3.94 100	3/8	.87 22	.79 20	1.18 30	.98 25	1.06 27	.94 24	.35 9	.87 22	1.34 34	2.36 60	1.54 39	.71 18
4.92 125	3/8	1.02 26	.94 24	1.38 35	1.10 28	1.22 31	1.10 28	.43 11	1.06 27	1.56 39.5	2.36 60	1.93 49	.71 18
5.91 150	1/2	1.02 26	.94 24	1.50 38	1.18 30	1.34 34	1.26 32	.39 10	1.18 30	1.73 44	2.56 65	2.28 58	.87 22
6.89 175	1/2	1.38 35	1.30 33	1.73 44	1.38 35	1.54 39	1.42 36	.63 16	1.10 28	1.93 49	3.15 80	2.76 70	.94 24
7.87 200	5/8	1.57 40	1.50 38	1.97 50	1.57 40	1.73 44	1.54 39	.51 13	1.42 36	2.09 53	3.54 90	3.19 81	.98 25
9.84 250	5/8	1.57 40	1.50 38	2.24 57	1.89 48	1.97 50	1.69 43	.75 19	1.42 36	2.36 60	3.54 90	4.09 104	.98 25

### Metric table

Dimensions in: millimeters - inches

<b>d<sub>1</sub></b>	<b>d<sub>2</sub> H7 Bore Type A</b>			<b>Type R</b>		<b>d<sub>3</sub></b>	<b>d<sub>4</sub></b>	<b>d<sub>5</sub></b>	<b>d<sub>6</sub></b>	<b>d<sub>7</sub></b>	<b>b</b>	<b>h</b>	<b>l<sub>1</sub></b>	<b>l<sub>2</sub></b>	<b>l<sub>3</sub></b>	<b>r</b>	<b>Ø Handle</b>
80 3.15	8	10	-	8	10	18 .71	16 .63	25 .98	19 .75	21 .83	20 .79	8 .31	17 .67	29 1.14	45 1.77	30.5 1.20	16 .63
100 3.94	8	10	12	10	12	22 .87	20 .79	30 1.18	25 .98	27 1.06	24 .94	9 .35	22 .87	34 1.34	60 2.36	39 1.54	18 .71
125 4.92	-	-	-	12	14	26 1.02	24 .94	35 1.38	28 1.10	31 1.22	28 1.10	11 .43	27 1.06	39.5 1.56	60 2.36	49 1.93	18 .71
150 5.91	14	-	-	14	16	26 1.02	24 .94	38 1.50	30 1.18	34 1.34	32 1.26	10 .39	30 1.18	44 1.73	65 2.56	58 2.28	22 .87
175 6.89	-	-	-	16	20	35 1.38	33 1.30	44 1.73	35 1.38	39 1.54	36 1.42	16 .63	28 1.10	49 1.93	80 3.15	70 2.76	24 .94
200 7.87	20	-	-	20	24	40 1.57	38 1.50	50 1.97	40 1.57	44 1.73	39 1.54	13 .51	36 1.42	53 2.09	90 3.54	81 3.19	25 .98
250 9.84	-	-	-	20	-	40 1.57	38 1.50	57 2.24	48 1.89	50 1.97	43 1.69	19 .75	36 1.42	60 2.36	90 3.54	104 4.09	25 .98
300 11.81	-	-	-	20	-	40 1.57	36.5 1.44	72 2.83	66 2.60	68.5 2.70	46 1.81	20 .79	44 1.73	66 2.60	90 3.54	124 4.88	25 .98

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4

