



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, black oxide finish, molded-in
- Threaded insert  
Brass
- Cover  
Plastic  
- Light gray  
- Push-fit
- Revolving handles  
- Plastic, Technopolymer (Polyamide PA)  
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)
- Solid Disk Handwheels EN 520.1 (Duroplast, Hub Bushing Steel)

**On request**

- Other modifications such as inch and metric bores, keyways, set screw holes, etc.
- Replace revolving handle with EN 597.1 mushroom shaped handle
- Cover in other colors

How to order	1 Handwheel diameter $d_1$
<b>1</b> <b>2</b> <b>3</b> <b>4</b>	2 Bore code
<b>EN 521-125-B3/8-R</b>	3 Bore diameter $d_2$
	4 Type

How to order	1 Handwheel diameter $d_1$
<b>1</b> <b>2</b> <b>3</b> <b>4</b>	2 Bore code
<b>EN 521-100-B8-A</b>	3 Bore diameter $d_2$ (Type A)
	4 Type

### Inch table

Dimensions in: inches - millimeters

<b>d<sub>1</sub></b>	<b>d<sub>2</sub> +0.001</b> Bore Type A			<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</b> Handle
		Type R														
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	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	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	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	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	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	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	4.09 104	.98 25

### Metric table

Dimensions in: millimeters - inches

<b>d<sub>1</sub></b>	<b>d<sub>2</sub> H7</b> Bore Type A			<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</b> Handle	
	Type R																
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

