



Inch | Metric



**elesa**

Original design VDS. / VDS+I



**2 Bore code**

**B** Without keyway

**4 Type**

**A** Without revolving handle  
**R** With revolving handle

**Specification**

**Body**

- Plastic, Polypropylene (PP)
- High strength reinforced, shock-resistant
- Operating temperature +32 °F to +176 °F (0 °C to +80 °C)
- Black, matte finish

**Hub bushing**

Steel, blackened finish

**Threaded insert**

Brass

**Cover**

Plastic, light gray

**Revolving handle**

- Plastic, Polyamide (PA)
- Black, matte finish
- Steel spindle
- Zinc plated, blue passivated finish

RoHS

**On request**

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

Solid disk handwheels EN 521 have recessed grips at their back.

The cover conceals clamping elements, e.g. countersunk washers, 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.

**see also...**

	<b>Page</b>
<b>EN 524</b> Solid Disk Handwheels (Polyamide)	QVX
<b>EN 520.1</b> Solid Disk Handwheels (Phenolic Plastic)	QVX
<b>EN 521.5</b> Solid Disk Handwheels (Polypropylen, Stainless Steel Hub)	QVX

**Technical Information**

Keyways WN 6885 / DIN 6885-1	QVX
Cross Holes GN 110	QVX
ISO Fundamental Tolerances	QVX
Plastic Characteristics	QVX

**Accessory**

<b>GN 184</b> Countersunk Washers (for Axial Fixing)	QVX
--	-----

**How to order (Inch)**

1 2 3 4  
**EN 521-80-B 5/16-R**

1	Handwheel diameter $d_1$
2	Bore code
3	Bore diameter $d_2$
4	Type

**How to order (Metric)**

1 2 3 4  
**EN 521-100-B 8-A**

1	Handwheel diameter $d_1$
2	Bore code
3	Bore diameter $d_2$
4	Type

1.1  
1.2  
1.3  
1.4  
2.1  
2.2  
2.3  
2.4



### Inch table



Dimensions in: inches / millimeters

d <sub>1</sub>	d <sub>2</sub> H7 Bore Type R	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	d <sub>6</sub>	d <sub>7</sub>	b	h	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	r	Ø Handle
3.15 80	5/16	0.71 18	0.63 16	0.98 25	0.75 19	0.83 21	0.79 20	0.31 8	0.67 17	1.14 29	1.77 45	1.20 30.5	0.63 16
3.94 100	3/8	0.87 22	0.79 20	1.18 30	0.98 25	1.06 27	0.94 24	0.35 9	0.87 22	1.34 34	2.36 60	1.54 39	0.71 18
4.92 125	3/8	1.02 26	0.94 24	1.38 35	1.10 28	1.22 31	1.10 28	0.43 11	1.06 27	1.56 39.5	2.36 60	1.93 49	0.71 18
5.91 150	1/2	1.02 26	0.94 24	1.50 38	1.18 30	1.34 34	1.26 32	0.39 10	1.18 30	1.73 44	2.56 65	2.28 58	0.87 22
6.89 175	1/2	1.38 35	1.30 33	1.73 44	1.38 35	1.54 39	1.42 36	0.63 16	1.10 28	1.93 49	3.15 80	2.76 70	0.94 24
7.87 200	5/8	1.57 40	1.50 38	1.97 50	1.57 40	1.73 44	1.54 39	0.51 13	1.42 36	2.09 53	3.54 90	3.19 81	0.98 25
9.84 250	5/8	1.57 40	1.50 38	2.24 57	1.89 48	1.97 50	1.69 43	0.75 19	1.42 36	2.36 60	3.54 90	4.09 104	0.98 25

### Metric table



Dimensions in: millimeters / inches

d <sub>1</sub>	d <sub>2</sub> H7 Bore Type A		Type R		d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	d <sub>6</sub>	d <sub>7</sub>	b	h	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	r	Ø Handle	
80 3.15	8	10	-	8	10	18 0.71	16 0.63	25 0.98	19 0.75	21 0.83	20 0.79	8 0.31	17 0.67	29 1.14	45 1.77	30.5 1.20	16 0.63
100 3.94	8	10	12	10	12	22 0.87	20 0.79	30 1.18	25 0.98	27 1.06	24 0.94	9 0.35	22 0.87	34 1.34	60 2.36	39 1.54	18 0.71
125 4.92	-	-	-	12	14	26 1.02	24 0.94	35 1.38	28 1.10	31 1.22	28 1.10	11 0.43	27 1.06	39.5 1.56	60 2.36	49 1.93	18 0.71
150 5.91	14	-	-	14	16	26 1.02	24 0.94	38 1.50	30 1.18	34 1.34	32 1.26	10 0.39	30 1.18	44 1.73	65 2.56	58 2.28	22 0.87
175 6.89	-	-	-	16	20	35 1.38	33 1.30	44 1.73	35 1.38	39 1.54	36 1.42	16 0.63	28 1.10	49 1.93	80 3.15	70 2.76	24 0.94
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 0.51	36 1.42	53 2.09	90 3.54	81 3.19	25 0.98
250 9.84	-	-	-	20	-	40 1.57	38 1.50	57 2.24	48 1.89	50 1.97	43 1.69	19 0.75	36 1.42	60 2.36	90 3.54	104 4.09	25 0.98
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 0.79	44 1.73	66 2.60	90 3.54	124 4.88	25 0.98