



2 Bore code

- B Without keyway
- K With keyway

4 Type

- A Without handle
- D With revolving handle

Specification

- Plastic
Duroplast (Phenolic PF)
- High strength reinforced
- Temperature resistant up to 230 °F (110 °C)
- Hub bushing
Steel, blackened finish
- Threaded insert
Brass
- Revolving handle GN 598 → page 38
Plastic
Duroplast
- Black, shiny finish
- Threaded spindle
Steel, zinc plated, blue passivated finish
- Cross Holes GN 110 → page 2042
- Keyways WN / DIN 6885 → page 2039 / 2040
- ISO Fundamental Tolerances → page 2129
- Plastic Characteristics → page 2135
- RoHS compliant

On request

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

Information

EN 520.1 solid disk handwheels are renowned in particular for the matte passivated aluminum ring in the front.

The tough, reinforced black plastic (Duroplast PF) and high gloss polished surface give the disk handwheels a touch of elegance. The ergonomic handle is easy to grasp and makes the disk handwheels easier to use.

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) → page 1150
- Solid Disk Handwheels EN 520.2 (Phenolic Plastic, Stainless Steel Hub) → page 241
- Solid Disk Handwheels EN 524 (Technopolymer Plastic, Steel Hub) → www.jwwinco.com
- Solid Disk Handwheels EN 521 (Technopolymer Plastic, Steel Hub) → page 238

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|----------------------------|----------------------------|
| How to order (Inch) | 1 Handwheel diameter d_1 |
| EN 520.1-80-B5/16-A | 2 Bore code |
| | 3 Bore diameter d_2 |
| | 4 Type |

| | |
|---------------------------|----------------------------|
| How to order (Metric) | 1 Handwheel diameter d_1 |
| EN 520.1-125-K12-D | 2 Bore code |
| | 3 Bore diameter d_2 |
| | 4 Type |

Inch table

Dimensions in: inches - millimeters

| d ₁ | d ₂ +0.001 Bore | d ₃ | d ₄ | | d ₅ | | d ₆ | | d ₇ | b | | l ₁ | l ₂ | | l ₃ | | l ₄ | r | Ø Handle |
|----------------|----------------------------------|----------------|----------------|--------------|----------------|------------|----------------|-------------|----------------|------------|------------|----------------|----------------|--------------|----------------|------------|----------------|--------------|-------------|
| | | | Type A | Type D | Type A | Type D | Type A | Type D | | Type A | Type D | | Type A | Type D | Type A | Type D | | | |
| 3.15 80 | 5/16 | 0.79 20 | 0.71 18 | 0.71 18 | 1.10 28 | 1.10 28 | 1.69 43 | 1.69 43 | 1.18 30 | 0.55 14 | 0.55 14 | 0.39 10 | 1.10 28 | 1.10 28 | 1.22 31 | 1.22 31 | 1.57 40 | 1.26 32 | 0.71 18 |
| 3.94 100 | 3/8 | 0.94 24 | 0.87 22 | 0.79 20 | 1.38 35 | 1.38 35 | 2.13 54 | 2.13 54 | 1.54 39 | 0.59 15 | 0.83 21 | 0.47 12 | 1.42 36 | 1.32 33.5 | 1.57 40 | 1.81 46 | 1.97 50 | 1.54 39 | 0.83 21 |
| 4.92 125 | 3/8 | 1.26 32 | 1.04 26.5 | 1.04 26.5 | 1.73 44 | 1.73 44 | 2.76 70 | 2.76 70 | 1.81 46 | 0.59 15 | 1.10 28 | 0.59 15 | 1.50 38 | 1.50 38 | 1.73 44 | 2.24 57 | 2.56 65 | 1.97 50 | 0.91 23 |
| 5.91 150 | 1/2 | 1.26 32 | 1.04 26.5 | 1.04 26.5 | 1.73 44 | 1.97 50 | 2.76 70 | 3.15 80 | 1.89 48 | 0.71 18 | 1.18 30 | 0.59 15 | 1.50 38 | 1.50 38 | 1.93 49 | 2.40 61 | 2.56 65 | 2.44 62 | 0.91 23 |
| 6.89 175 | 1/2 | 1.57 40 | 1.30 33 | 1.30 33 | 2.17 55 | 2.17 55 | 3.54 90 | 3.54 90 | 2.20 56 | 0.75 19 | 1.26 32 | 0.59 15 | 1.69 43 | 1.69 43 | 2.13 54 | 2.60 66 | 3.15 80 | 2.85 72.5 | 1.02 26 |
| 7.87 200 | 5/8 | 1.57 40 | 1.30 33 | 1.30 33 | 2.17 55 | 2.17 55 | 3.54 90 | 3.54 90 | 2.36 60 | 0.83 21 | 1.26 32 | 0.59 15 | 1.69 43 | 1.69 43 | 2.28 58 | 2.68 68 | 3.54 90 | 3.23 82 | 1.10 28 |
| 8.86* 225 | 5/8 | 1.93 49 | - | 1.57 40 | - | 2.60 66 | - | 4.33 110 | 2.60 66 | - | 1.30 33 | 0.59 15 | - | 1.75 44.5 | - | 2.80 71 | 3.54 90 | 3.70 94 | 1.10 28 |
| 9.84 250 | 5/8 | 1.93 49 | 1.57 40 | 1.57 40 | 2.60 66 | 2.60 66 | 4.33 110 | 4.33 110 | 2.76 70 | 0.98 25 | 1.42 36 | 0.59 15 | 1.73 44 | 1.75 44.5 | 2.56 65 | 2.99 76 | 3.54 90 | 4.17 106 | 1.10 28 |

* Only available in type D

Metric table

Dimensions in: millimeters - inches

| d ₁ | d ₂ H7 Bore | d ₃ | d ₄ | | d ₅ | | d ₆ | | d ₇ | b | | l ₁ | l ₂ | | l ₃ | | l ₄ | r | Ø Handle | |
|----------------|---------------------------|----------------|----------------|--------------|----------------|------------|----------------|-------------|----------------|------------|------------|----------------|----------------|------------|----------------|------------|----------------|------------|--------------|------------|
| | | | Type A | Type D | Type A | Type D | Type A | Type D | | Type A | Type D | | Type A | Type D | Type A | Type D | | | | |
| 50 1.97 | 10 | - | 16 0.63 | 16 0.63 | 16 0.63 | - | - | 25 0.98 | 25 0.98 | 26 1.02 | 12 0.47 | 12 0.47 | 9 0.35 | 19 0.75 | 19 0.75 | 22 0.87 | 22 0.87 | 28 1.10 | 19 0.75 | 14 0.55 |
| 63 2.48 | 10 | - | 20 0.79 | 20 0.79 | 20 0.79 | - | - | 31 1.22 | 31 1.22 | 28 1.10 | 13 0.51 | 13 0.51 | 10 0.39 | 24 0.94 | 24 0.94 | 28 1.10 | 28 1.10 | 40 1.57 | 24 0.94 | 18 0.71 |
| 80 3.15 | 10 | 12 | 20 0.79 | 18 0.71 | 18 0.71 | 28 1.10 | 28 1.10 | 43 1.69 | 43 1.69 | 30 1.18 | 14 0.55 | 14 0.55 | 10 0.39 | 28 1.10 | 28 1.10 | 31 1.22 | 31 1.22 | 40 1.57 | 32 1.26 | 18 0.71 |
| 100 3.94 | 10 | 12 | 24 0.94 | 22 0.87 | 20 0.79 | 35 1.38 | 35 1.38 | 54 2.13 | 54 2.13 | 39 1.54 | 15 0.59 | 21 0.83 | 12 0.47 | 36 1.42 | 33.5 1.32 | 40 1.57 | 46 1.81 | 50 1.97 | 39 1.54 | 21 0.83 |
| 125 4.92 | 12 | 14 | 32 1.26 | 26.5 1.04 | 26.5 1.04 | 44 1.73 | 44 1.73 | 70 2.76 | 70 2.76 | 46 1.81 | 15 0.59 | 28 1.10 | 15 0.59 | 38 1.50 | 38 1.50 | 44 1.73 | 57 2.24 | 65 2.56 | 50 1.97 | 23 0.91 |
| 140 5.51 | 14 | - | 32 1.26 | 26.5 1.04 | 26.5 1.04 | 44 1.73 | 44 1.73 | 70 2.76 | 70 2.76 | 48 1.89 | 19 0.75 | 28 1.10 | 15 0.59 | 38 1.50 | 38 1.50 | 46 1.81 | 55 2.17 | 65 2.56 | 58 2.28 | 23 0.91 |
| 150 5.91 | 14 | 16 | 32 1.26 | 26.5 1.04 | 26.5 1.04 | 44 1.73 | 50 1.97 | 70 2.76 | 80 3.15 | 48 1.89 | 18 0.71 | 30 1.18 | 15 0.59 | 38 1.50 | 38 1.50 | 49 1.93 | 61 2.40 | 65 2.56 | 62 2.44 | 23 0.91 |
| 175 6.89 | 16 | 18 | 40 1.57 | 33 1.30 | 33 1.30 | 55 2.17 | 55 2.17 | 90 3.54 | 90 3.54 | 56 2.20 | 19 0.75 | 32 1.26 | 15 0.59 | 43 1.69 | 43 1.69 | 54 2.13 | 66 2.60 | 80 3.15 | 72.5 2.85 | 26 1.02 |
| 200 7.87 | 18 | 20 | 40 1.57 | 33 1.30 | 33 1.30 | 55 2.17 | 55 2.17 | 90 3.54 | 90 3.54 | 60 2.36 | 21 0.83 | 32 1.26 | 15 0.59 | 43 1.69 | 43 1.69 | 58 2.28 | 68 2.68 | 90 3.54 | 82 3.23 | 28 1.10 |
| 225* 8.86 | 20 | 22 | 49 1.93 | - | 40 1.57 | - | 66 2.60 | - | 110 4.33 | 66 2.60 | - | 33 1.30 | 15 0.59 | - | 44.5 1.75 | - | 71 2.80 | 90 3.54 | 94 3.70 | 28 1.10 |
| 250 9.84 | 22 | 24* | 49 1.93 | 40 1.57 | 40 1.57 | 66 2.60 | 66 2.60 | 110 4.33 | 110 4.33 | 70 2.76 | 25 0.98 | 36 1.42 | 15 0.59 | 44 1.73 | 44.5 1.75 | 65 2.56 | 76 2.99 | 90 3.54 | 106 4.17 | 28 1.10 |
| 300 11.81 | 26 | - | 58 2.28 | 58 2.28 | 58 2.28 | 94 3.70 | 94 3.70 | 148 5.83 | 148 5.83 | 82 3.23 | 25 0.98 | 36 1.42 | 18 0.71 | 56 2.20 | 56 2.20 | 75 2.95 | 87 3.43 | 90 3.54 | 132 5.20 | 28 1.10 |

* Only available in type D

1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

