

# elesa® Position Indicators

## Position Indicators

### Overview

Position indicators monitor a rotating shaft and provide a precise reading of the absolute or incremental position of equipment, machinery, or systems. The large LCD offers a wide viewing angle and excellent readability from a distance, and their rugged polyamide housing provides a high IP65 or IP67 protection rating, making them suitable for applications requiring frequent washing, even with intense water jets.

### Features

- Values display in mm, inches, or degrees
- Absolute or incremental display mode
- Reading orientation clockwise or counterclockwise
- IP65 or IP67 protection rating



**DD51E-SST-IP65F12**



**DD52RE-SST-IP65**

### Position Indicators Selection Table

Part Number	Price	Display Size	Mounting Hole Size	Protection Rating	Housing Material	Mounting Material	Weight grams [oz]	Drawing Link
<a href="#">DD51E-SST-IP65F12</a>	\$191.00	8mm [0.31 in] 5-digit	1/2 in	IP65	Polyamide	304 stainless steel	67 [2.36]	<a href="#">PDF</a>
<a href="#">DD51E-SST-IP67F12</a>	\$212.00			IP67			72 [2.53]	<a href="#">PDF</a>
<a href="#">DD51E-SST-IP65</a>	\$195.00		14mm	IP65			67 [2.36]	<a href="#">PDF</a>
<a href="#">DD51E-SST-IP67</a>	\$217.00			IP67			72 [2.53]	<a href="#">PDF</a>
<a href="#">DD52RE-SST-IP65F34</a>	\$226.00	12mm [0.47 in] 6-digit	3/4 in	IP65			129 [4.55]	<a href="#">PDF</a>
<a href="#">DD52RE-SST-IP67F34</a>	\$251.00			IP67			141 [4.97]	<a href="#">PDF</a>
<a href="#">DD52RE-SST-IP65</a>	\$232.00		20mm	IP65			129 [4.55]	<a href="#">PDF</a>
<a href="#">DD52RE-SST-IP67</a>	\$257.00			IP67			141 [4.97]	<a href="#">PDF</a>

### Position Indicators Specifications

Type	DD51E	DD52RE
<b>Battery</b>	Lithium battery CR2450 3.0 V	Lithium battery CR2477 3.0 V
<b>Battery Life</b>	Up to 3 years	Up to 5 years
<b>Display</b>	5-digit LCD of 8mm height and special characters	6-digit LCD of 12mm height and special characters
<b>Reading Scale</b>	-19999; 99999	-199999; 999999
<b>Number of Decimal Digits</b>	Programmable <sup>(1)</sup>	
<b>Unit of Measure</b>	mm, inches, degrees programmable <sup>(1)</sup>	
<b>Rotation Max. Speed</b>	300/600/1000 r.p.m. <sup>(2)</sup> programmable <sup>(1)</sup>	
<b>Resolution</b>	10.000 impulses / revolution	
<b>Mounting Orientation</b>	Universal	
<b>Working Temperature</b>	0 to 50°C [32 to 122°F]	
<b>Storage Temperature</b>	-20 to 60°C [-4 to 140°F]	
<b>Relative Humidity</b>	Max. 95% at 25°C without condensation	
<b>Interference Protection</b>	Complies with Directive 2014/30/EU (EMC)	
<b>Window Material</b>	Polyamide based technopolymer (PA-T)	
<b>Boss Material</b>	AISI 304 stainless steel	
<b>Environment</b>	Indoor use	
<b>Keyboard Material</b>	Polyester	
<b>Agency Approvals</b>	CE	

<sup>(1)</sup> See the operating instructions.

<sup>(2)</sup> Higher rotation speed to 600 r.p.m. can be maintained for short periods of time. The value of the max. speed affects the battery life.

# elesa® Position Indicators

## Reducer Bushings

### Overview

Elesa reducer bushings, available in imperial and metric sizes, are designed to adapt smaller shaft diameters to fit the position indicators.

### Features

- 304 stainless steel housing material
- RoHS



**RB52-16-SST-304**

Reducer Bushings							
Part Number	Price	Outside Diameter	Inside Diameter	Housing Material	For Use With	Weight grams [oz]	Drawing Link
<a href="#"><u>RB51-6-SST-304</u></a>	\$20.00	14mm	6mm	304 stainless steel	Elesa DD51 metric indicators	20 [0.70]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB51-8-SST-304</u></a>	\$20.00		8mm			17 [0.59]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB51-10-SST-304</u></a>	\$20.00		10mm			11 [0.38]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB51-12-SST-304</u></a>	\$20.00		12mm			8 [0.28]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB52-12-SST-304</u></a>	\$23.00	20mm	12mm		Elesa DD52 metric indicators	32 [1.12]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB52-14-SST-304</u></a>	\$23.00		14mm			26 [0.91]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB52-15-SST-304</u></a>	\$23.00		15mm			22 [0.77]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB52-16-SST-304</u></a>	\$23.00		16mm			18 [0.63]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB51-12-14-SST-304</u></a>	\$21.00	1/2 in	1/4 in		Elesa DD51 imperial indicators	20 [0.70]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB51-12-38-SST-304</u></a>	\$21.00		3/8 in			16 [0.56]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB52-34-38-SST-304</u></a>	\$25.00	3/4 in	3/8 in		Elesa DD52 imperial indicators	42 [1.48]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB52-34-12-SST-304</u></a>	\$25.00		1/2 in			25 [0.88]	<a href="#"><u>PDF</u></a>
<a href="#"><u>RB52-34-58-SST-304</u></a>	\$25.00		5/8 in	14 [0.49]		<a href="#"><u>PDF</u></a>	

# Elesa® Position Indicators

## Spoked Handwheels

### Overview

Handwheels are commonly used in applications requiring precise manual positioning or alignment of equipment, machinery, or systems. Elesa spoked handwheels are available with a foldaway revolving handle or no handle.

### Features

- High-resilience polypropylene based technopolymer (PP)
- RoHS

Spoked Handwheels										
Part Number	Price	Nominal Diameter	Bore Diameter	Handle Type	Material	For Use With	Weight grams [oz]	Drawing Link		
<a href="#">VRTP-80-IR-A516</a>	\$35.00	3in	5/16 in	Foldaway revolving handle	Polypropylene	Elesa DD5x imperial indicators	0.22 [0.008]	<a href="#">PDF</a>		
<a href="#">VRTP-100-IR-A38</a>	\$49.00	4in	3/8 in				0.37 [0.013]	<a href="#">PDF</a>		
<a href="#">VRTP-125-IR-A38</a>	\$51.00	5in	3/8 in				0.52 [0.018]	<a href="#">PDF</a>		
<a href="#">VRTP-160-IR-A12</a>	\$56.00	6in	1/2 in				0.87 [0.030]	<a href="#">PDF</a>		
<a href="#">VRTP-200-IR-A58</a>	\$66.00	8in	5/8 in				1.38 [0.048]	<a href="#">PDF</a>		
<a href="#">VRTP-80-A516</a>	\$12.00	3in	5/16 in	N/A			Polypropylene	Elesa DD5x imperial indicators	0.16 [0.005]	<a href="#">PDF</a>
<a href="#">VRTP-100-A38</a>	\$14.00	4in	3/8 in						0.22 [0.008]	<a href="#">PDF</a>
<a href="#">VRTP-125-A38</a>	\$15.00	5in	3/8 in						0.36 [0.012]	<a href="#">PDF</a>
<a href="#">VRTP-160-A12</a>	\$20.00	6in	1/2 in						0.62 [0.021]	<a href="#">PDF</a>
<a href="#">VRTP-200-A58</a>	\$32.00	8in	5/8 in						1.08 [0.038]	<a href="#">PDF</a>
<a href="#">VRTP-80-IR-A8</a>	\$38.00	80mm	8mm	Foldaway revolving handle	Polypropylene	Elesa DD5x metric indicators			102 [3.598]	<a href="#">PDF</a>
<a href="#">VRTP-100-IR-A10</a>	\$43.00	100mm	10mm						163 [5.749]	<a href="#">PDF</a>
<a href="#">VRTP-125-IR-A12</a>	\$45.00	125mm	12mm						230 [8.113]	<a href="#">PDF</a>
<a href="#">VRTP-160-IR-A14</a>	\$51.00	160mm	14mm						388 [13.686]	<a href="#">PDF</a>
<a href="#">VRTP-200-IR-A16</a>	\$62.00	200mm	16mm						593 [20.917]	<a href="#">PDF</a>
<a href="#">VRTP-80-A8</a>	\$11.00	80mm	8mm	N/A			Polypropylene	Elesa DD5x metric indicators	74 [2.610]	<a href="#">PDF</a>
<a href="#">VRTP-100-A10</a>	\$12.00	100mm	10mm						100 [3.527]	<a href="#">PDF</a>
<a href="#">VRTP-125-A12</a>	\$14.00	125mm	12mm						160 [5.643]	<a href="#">PDF</a>
<a href="#">VRTP-160-A14</a>	\$20.00	160mm	14mm						275 [9.700]	<a href="#">PDF</a>
<a href="#">VRTP-200-A16</a>	\$30.00	200mm	16mm						460 [16.226]	<a href="#">PDF</a>



**[VRTP-80-IR-A516](#)**



**[VRTP-125-A12](#)**