



Measuring wheel mechanics

SICK
Sensor Intelligence.



Product description

A wide selection of measuring wheel mechanics: With different sizes, adjustments for the spring tension force, and various mounting options that are flexibly tailored to diverse requirements.

Ordering information

Other models and accessories → www.sick.com/Measuring_wheel_mechanics

- **Product segment:** measuring wheels and measuring wheel mechanics
- **Product:** measuring wheel mechanics

Description	Items supplied	Suitable for	Type	Part no.
Measuring wheel System, required mounting position: left, for DBS50E-S5	–	–	BEF-MRS-08-1	2071956
Measuring wheel System, required mounting position: right, for DBS50E-S5	–	–	BEF-MRS-08-2	2071953
Mounting bracket for dual wheeled encoder systems, overbelt yoke mount	–	–	BEF-MK-YOKE2A	2088625
Mounting bracket for dual wheeled encoder systems, spring tension underbelt yoke mount	–	–	BEF-MK-YOKEUB	2088522
O-ring for measuring wheels (circumference 200 mm)	–	–	BEF-OR-053-040	2064061
O-ring for measuring wheels (circumference 300 mm)	2x O-ring	–	BEF-OR-083-050	2064076
O-ring for measuring wheels (circumference 500 mm)	–	–	BEF-OR-145-050	2064074
O-ring set for DKV60 encoder	–	DKV60 measuring wheel encoder	O-ring SET DKV60	6032709
SICK modular measuring wheel system for DBS50E-S5; spare part for DBV50	Measuring wheel for 8 series shaft Spring arm M6 serrated lock washer M6 counter nut 3 M4x10 screws Positioning disc	DBS50E-S5	BEF-MRS-08-U	2087085
SICK modular measuring wheel system for face mount flange encoder with S4 mechanical design (10 mm x 19 mm solid shaft), e.g., DFS60-S4: with O-ring measuring wheel, circumference 200 mm	–	Face mount flange encoder DFS60, DBS60, AFM60, AFS60, mechanical design S4 (solid shaft 10 mm x 19 mm)	BEF-MRS-10-U	2085714
SICK modular measuring wheel system for face mount flange encoder with S4 mechanical design (10 mm x 19 mm solid shaft), e.g., DFS60-S4: with O-ring measuring wheel, circumference 300 mm	–		BEF-MRS-10-U-300	2109043

Description	Items supplied	Suitable for	Type	Part no.
Sales set consisting of MWS120 spring arm (part number: 2118239) and MWS120 mounting bracket (part number: 2113284)	MWS120 spring arm (part number: 2118239), 3 pcs. M4 x 16 cylinder head screws for adapter or encoder mounting	MWS120	BEF-MWS120-ARM-WF VERTRIEBSSET 01	1114747
Spring arm for linear measurement with contact, spring contact pressure manually adjustable without tools in 6 increments of 4 N from 0 ... 24 N, can be combined with separately available encoders and measuring wheels.		MWS120, direct mounting Ø 60 mm face mount flange encoder with mechanical shaft design "S4" = Ø 10 mm, DBS60, DFS60, AFS60 AFM60. Ø 36 mm encoders such as AHS/AHM36 can be mounted with an adapter flange (part no.: 2072298), MWS120 mounting bracket (part number: 2113284)	BEF-MWS120-ARM	2118239
	Spring arm, M6 serrated lock washer, M6 counter nut, Positioning disc, Measuring wheel with O-ring surface, Adapter flange, Mounting bracket (optional, art. no. 2084709), rod, longer screw for mounting on the rod	MWS120, direct mounting Ø 60 mm face mount flange encoder with mechanical shaft design "S4" = Ø 10 mm, DBS60, DFS60, AFS60 AFM60. Ø 36 mm encoders such as AHS/AHM36 can be mounted with an adapter flange (part no.: 2072298).	BEF-MWS120-S01	2119373
Spring arm for linear measurement with contact, spring contact pressure manually adjustable without tools in 6 increments of 4-N from 0 N ... 24-N, can be combined with separately available encoders and measuring wheels.	MWS120 spring arm (part number: 2118239), 3 pcs. M4 x 16 cylinder head screws for adapter or encoder mounting	MWS075, encoder for mounting: Ø 60 mm face mount flange encoder with mechanical type "S4" = Ø10 mm x 19 mm, and adapter flange (part no.: 2145869), DBS60, DFS60, AFS60 AFM60 Ø 36 mm face mount flange encoder with mechanical type "SC" = Ø10 mm x 24 mm, and adapter flange (part no.: 2145180), AHS/AHM36 Ø50 mm face mount flange encoder with mechanical type "S5" = Ø8 mm x 15,5 mm, no adapter flange required, DBS50 MWS075 mounting bracket (BEF-WF-MWS075, 2145906) Attachable measuring wheels: measuring wheel: Ø10 mm, measuring wheel circumference: 200 mm & 300 mm	BEF-MWS075-ARM	2145180

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

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