



## Assembly accessories

**SICK**  
Sensor Intelligence.



## Product description

Mounting accessories from SICK offer you fast and safe installation of your sensors. The high quality of the components ensures precise and reliable mounting that keeps your sensors in the right position.

## Ordering information

Other models and accessories → [www.sick.com/Assembly\\_accessories](http://www.sick.com/Assembly_accessories)

- **Description:** Spacer for on-metal application with disc transponder; length 20 mm, diameter 18 mm, hole 8.2 mm, up to 120 °C

Type	Part no.
Spacer	5324113

- **Description:** Adapter for connecting a deTec4 Core sender or receiver (M12 male connector, 5-pin) to the available MSL FGS terminal compartment

Type	Part no.
FGS/deTec4 adapter	2079349

- **Description:** Adapter for connecting an M4000 Advanced receiver (M26 male connector, 12-pin) to the available MSL terminal compartment with PG connector

Type	Part no.
Adapter MSL/M4000 Advanced Receiver	2085504

- **Description:** Adapter for connecting an M4000 Advanced sender (M26 male connector, 12-pin) to the available MSL terminal compartment with PG connector

Type	Part no.
Adapter MSL/M4000 Advanced Sender	2085503

- **Description:** Adapter for connecting an M4000 Standard receiver (M12 male connector, 8-pin) to the available MSL terminal compartment with PG connector

Type	Part no.
Adapter MSL/M4000 Standard Receiver	2085502

- **Description:** Adapter for connecting an M4000 Standard sender (M12 male connector, 8-pin) to the available MSL terminal compartment with PG connector

Type	Part no.
Adapter MSL/M4000 Standard Sender	2085501

- **Description:** For connecting the microScan3 - PROFINET M12 variants on push-pull

Items supplied	Type	Part no.
Adapter cable M12, A-coded, on AIDA power push-pull male connector, adapter cable M12, D-coded, on AIDA	Adapter kit microScan3 – PROFINET M12 on push-pull	2105495

Items supplied	Type	Part no.
RJ45 push-pull male connector, Gender changer Han® push-pull RJ45, Gender changer Han® push-pull Power L		

- **Description:** Adapter plate for easy mounting of the GLS1 with existing hole pattern

- **Material:** steel

Details	Items supplied	Suitable for	Type	Part no.
Steel, zinc coated	Adapter plate, screw set for adapter plate and GLS1	GLS100	GLS100 adapter plate	4111248

- **Description:** Adapter plate for mounting a microScan3 instead of an S3000. For use for mounting kit 1 (2015623) or heavy-duty mounting kit (2080350). The mounting kit 1a (2073851) is required to mount the microScan3 on the adapter plate.

- **Material:** stainless steel

Details	Packing unit	Items supplied	Type	Part no.
Stainless steel	1 piece	S3000 adapter plate on microScan3, 2 screws	S3000 adapter plate on microScan3	2085553

- **Description:** Adjusting plate for floor mounting of device columns, height 3 mm

- **Material:** steel

Details	Type	Part no.
Steel	Adjusting plate	4031053

- **Description:** Alignment clip for straight alignment of deTec safety light curtains or deTem safety multibeam sensors on PP4 or PC4 device columns.

- **Material:** plastic

Details	Packing unit	Type	Part no.
Plastic (PA6)	1 piece	Alignment clip	4122304

- **Description:** Alignment tool for aligning sensors in areas with limited accessibility, e.g. device columns

Packing unit	Suitable for	Type	Part no.
1 piece	deTec and deTem in FlexFix bracket	Alignment tool	4084133

- **Description:** Mounting bracket

- **Material:** steel

- **Details:** steel, zinc coated

Items supplied	Type	Part no.
-	BEF-WK-W190	5305876
	MB-W2000	7022981
Mounting hardware included	BEF-130-SM	5306246
	BEF-130-SP	5306245
	BEF-130-ST	5306244

- **Description:** Adapter plate

Items supplied	Type	Part no.
Mounting material included	BEF-AP-W4S-3	2057644

- **Description:** DIN shut-off valve type: without test connection, according to DIN 16270 or similar (with bleed screw) Body material: burnished steel 1.0460 (P250GH) Permissible medium temperature: -10 °C ... +120 °C Permissible nominal pressure: PN max. 400 bar Design: Form A, with clamping sleeve Process/device connection: G1/2B spigot + G1/2 clamping sleeve Accessories for pressure sensors with G 1/2" process connection

Type	Part no.
BEF-AV-P250G12-PXX	2148229

- **Description:** DIN shut-off valve type: without test connection, according to DIN 16270 or similar (with bleed screw) Body material: burnished steel Permissible medium temperature: -10 °C ... +120 °C Permissible nominal pressure: PN max. 400 bar Design: Form A, with clamping sleeve Process/device connection: G1/2B spigot + G1/2 clamping sleeve Accessories for pressure sensors with G 1/2" process connection

Type	Part no.
BEF-AV-V4AG12-PXX	2148222

- **Description:** Additional weight for stabilizing the LFH level sensor in moving liquids. Interior process connection G 1/2", is fastened to the level sensor instead of the protective cap. Weight: 500 g.

- **Material:** stainless steel

Details	Type	Part no.
Stainless steel 1.4571	BEF-AW-LFHSST-0001	5324308

- **Description:** Circular design siphon: Circular (DIN 16282 or similar) Body material: Steel 1.0345 (P235GH), process connection 1.1141 (C15E) Process/device connection: G1/2B spigot + G1/2 clamping sleeve Permissible nominal pressure: PN max. 160 bar Accessories for pressure sensors with G 1/2" process connection

Type	Part no.
BEF-CE-P235G12TF-PXX	2148231

- **Description:** U-shaped siphon: U-shaped (DIN 16282 or similar) Body material: Steel 1.0345 (P235GH), process connection 1.1141 (C15E) Process/device connection: G1/2B spigot + G1/2 clamping sleeve Permissible nominal pressure: PN max. 160 bar Accessories for pressure sensors with G 1/2" process connection

Type	Part no.
BEF-CE-P235G12UF-PXX	2148230

- **Description:** Circular design siphon: Circular (DIN 16282 or similar) Body material: Stainless steel 1.4571 (V4A) Process/device connection: G1/2B spigot + G1/2 clamping sleeve Permissible nominal pressure: PN max. 160 bar Accessories for pressure sensors with G 1/2" process connection

Type	Part no.
BEF-CE-V4AG12TF-PXX	2148220

- Description:** U-shaped siphon: U-shaped (DIN 16282 or similar) Body material: Stainless steel 1.4571 (V4A) Process/device connection: G1/2B spigot + G1/2 clamping sleeve Permissible nominal pressure: PN max. 160 bar Accessories for pressure sensors with G 1/2" process connection

Type	Part no.
BEF-CE-V4AG12UF-PXX	2148219

- Description:** Rail end piece for block mounting
- Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel	Mounting hardware included	BEF-EB01-W190	5313011

- Description:** Flow Conditioning Pipes for FTMG (FTMG-xxx25xxx) with process connection G1 in 1.4305

Type	Part no.
BEF-EL-G10D25-FTMG	2111054

- Description:** Flow Conditioning Pipes for FTMG (FTMG-xxx15xxx) with process connection G1/2 in 1.4305

Type	Part no.
BEF-EL-G12D15-FTMG	2111050

- Description:** Flow Conditioning Pipes for FTMG (FTMG-xxx20xxx) with process connection G3/4 in 1.4305

Type	Part no.
BEF-EL-G34D20-FTMG	2111052

- Description:** Flow Conditioning Pipes for FTMG (FTMG-xxx25xxx) with process connection 1" NPT in 1.4305

Type	Part no.
BEF-EL-N10D25-FTMG	2111055

- Description:** Flow Conditioning Pipes for FTMG (FTMG-xxx15xxx) with process connection 1/2" NPT in 1.4305

Type	Part no.
BEF-EL-N12D15-FTMG	2111051

- Description:** Flow Conditioning Pipes for FTMG (FTMG-xxx08xxx) with process connection 1/4" NPT in 1.4305

Type	Part no.
BEF-EL-N14D08-FTMG	2145101

- Description:** Flow Conditioning Pipes for FTMG (FTMG-xxx20xxx) with process connection 3/4" NPT in 1.4305

Type	Part no.
BEF-EL-N34D20-FTMG	2111053

## Assembly accessories

- **Description:** Flow Conditioning Pipes for FTMg (FTMG-xxx25xxx) with process connection R1 in 1.4305

Type	Part no.
BEF-EL-R10D25-FTMG	2146067

- **Description:** Flow Conditioning Pipes for FTMg (FTMG-xxx15xxx) with process connection R½ in 1.4305

Type	Part no.
BEF-EL-R12D15-FTMG	2146065

- **Description:** Flow Conditioning Pipes for FTMg (FTMG-xxx08xxx) with process connection R¼ in 1.4305

Type	Part no.
BEF-EL-R14D08-FTMG	2146064

- **Description:** Flow Conditioning Pipes for FTMg (FTMG-xxx20xxx) with process connection R¾ in 1.4305

Type	Part no.
BEF-EL-R34D20-FTMG	2146066

- **Description:** Kit with 400 mm long separable probe rod segments Total length up to 2,000 mm possible Ideal for LFP0025-\* product variants

Type	Part no.
BEF-ER-DP2000-LFPC	2118484

- **Description:** Spare cable probe for LFP Cubic, length 2 m

Type	Part no.
BEF-ER-SS2000-LFPC	2078194

- **Description:** Spare cable probe for LFP Cubic, length 4 m

Type	Part no.
BEF-ER-SS4000-LFPC	2078195

- **Description:** Spare cable probe for LFP Cubic, length 6 m

Type	Part no.
BEF-ER-SS6000-LFPC	2082147

- **Description:** Spare titan probe for LFP Cubic, length 1 m

Type	Part no.
BEF-ER-TS1000-LFPC	2081042

- **Description:** Spare titan probe for LFP Cubic, length 2 m

Type	Part no.
BEF-ER-TS2000-LFPC	2081043

- **Description:** Fixation snap ring for SureSense sensors

• **Material:** plastic

Details	Suitable for	Type	Part no.
Plastic	SureSense	Fixation ring, SureSense	2082782

- **Description:** Mounting kit for IP camera (6048278)

Type	Part no.
IP camera mounting kit	2060086

- **Description:** Mounting kit, 4 x M8 steel wall plug for VISIC100SF/VISIC50SF and/or Terminal Box

• **Material:** stainless steel

Details	Type	Part no.
Stainless steel 1.4529	Mounting kit, M8 steel wall plug	2071034

- **Description:** Mounting screw M2.0

Packing unit	Usable for	Type	Part no.
1 piece	MZT6, RZT6, MZ2Q-T	M2.0 FIXING SCREW	4038016

- **Description:** Fixing screw for IVC-2D, M5 x 12 mm

Type	Part no.
Fixing screw M5 x 12 mm	7122865

- **Description:** Fastening screws with sliding nuts

Packing unit	Items supplied	Type	Part no.
2 pieces	Included in delivery	Fixing screws	2033250

- **Description:** Flange adapter (adapts size 60 face mount flange encoder to bearing block with part. no. 2044591)

Type	Part no.
BEF-FA-036-050-019	2063378

- **Description:** Bearing bracket for hollow shaft encoders, fastening screws included the Bearing Block is intended for very large radial and axial shaft loads. Particularly for application on: Belt pulleys, Chain pinions, Friction wheels. It is designed this way to enable fitting of encoder with blind hollow shaft with  $\varnothing$  12 mm. Operating speed max. 6,000 rpm<sup>-1</sup>, axial shaft load 100 N, radial shaft load 100 N, bearing service life  $3.6 \times 10^9$  revolutions

Items supplied	Type	Part no.
Fastening screws included	BEF-FA-B12-010	2042728

## Assembly accessories

- Description:** Bearing block for servo and face mount flange encoder. The heavy-duty bearing block is used to absorb very large radial and axial shaft loads. Particularly when using belt pulleys, chain sprockets, friction wheels. Operating speed max. 4,000 rpm^-1, axial shaft load 150 N, radial shaft load 250 N, bearing service life  $3.6 \times 10^9$  revolutions

Type	Part no.
BEF-FA-LB1210	2044591

- Description:** Card holder

Type	Part no.
BEF-FL-MVE	6000353

- Description:** Articulated mounting

Type	Part no.
BEF-GH-LUT1-5	1005580

- Description:** Clamp bar to fix G10 sensors on rods of 10 mm, clamp-on design up to 4 mm wall thickness

- Material:** steel

Details	Items supplied	Type	Part no.
Aluminum (clamp bar), stainless steel (bracket)	Clamp bar mounting and clamp function, mounting bracket, mounting hardware	BEF-KHS-ISG10	2073756

- Description:** Mounting bracket on round body cylinder with piston diameter of 8 mm ... 130 mm, ambient temperature min -30 °C max 80 °C

- Material:** stainless steel, Zinc cast

Details	Packing unit	Suitable for	Type	Part no.
Stainless steel, Zinc cast	1 piece	T-slot	BEF-KHZ-RT1-130F26	2051230

- Description:** Clamping ring for metal hollow shaft

- Material:** steel

Details	Type	Part no.
Metal	BEF-KR-M	2064709

- Description:** Clamp piece for integrated profile cylinder up to 13 mm wide

- Material:** Aluminum

Details	Items supplied	Type	Part no.
Aluminum	Mounting hardware included	BEF-KS-U2-P1	2019824

- Description:** Clamp piece for tie-rod cylinder

- Material:** zinc diecast

Details	Items supplied	Type	Part no.
Zinc diecast	Mounting hardware included	BEF-KS-U2-S1	4030922

- **Description:** Mounting bell for encoder with servo flange, 50 mm spigot

Items supplied	Type	Part no.
Mounting kit included	BEF-MG-50	5312987

- **Description:** Mounting bracket for dual wheeled encoder systems, spring tension underbelt mount with flange bracket

• **Material:** Aluminum

Details	Type	Part no.
Aluminum	BEF-MK-FA	2088626

- **Description:** Mounting kit for servo flange encoder on the bearing block, 1 bar coupling SKPS 1520 06/06 1 hexagon socket wrench SW1.5 DIN 911, 3 mounting eccentric BEMN 1242 49 3 screws M4 x 10 DIN 912,1 hexagon socket wrench SW3 DIN 911

Items supplied	Type	Part no.
1 bar coupling SKPS 1520 06/06 1 hexagon socket wrench SW1.5 DIN 911, 3 mounting eccentric BEMN 1242 49 3 screws M4 x 10 DIN 912,1 hexagon socket wrench SW3 DIN 911	BEF-MK-LB	5320872

- **Description:** 50 screws for CFS50, SRS50 and SRM50

Type	Part no.
BEF-MK-S02	2074582

- **Description:** Screws with Precote 85-8 coating; M4\*14

Packing unit	Type	Part no.
10 pieces	BEF-MK-S07	2088239
100 pieces	BEF-MK-S03	2077358
500 pieces	BEF-MK-S08	2088240

- **Description:** screws as a spare part (10 pcs.) for BEF-KHA-KHT53 spacer support (2042468)

Packing unit	Type	Part no.
10 pieces	BEF-MK-S06	2081568

- **Description:** Screws with Precote 85-8 coating; M4\*48 (4093779)

Packing unit	Type	Part no.
10 pieces	BEF-MK-S11	2103274
20 pieces	BEF-MK-S17	2139719
80 pieces	BEF-MK-S18	2139720
100 pieces	BEF-MK-S10	2103272
500 pieces	BEF-MK-S09	2103244

## Assembly accessories

- **Description:** Mounting kit for SIL2 applications for safe and easy mounting of the TTK70S; 2x titan cylinder screws, 2x galvanized steel lock washers, 2x washers, 2x female connectors

Type	Part no.
BEF-MK-S12	2105618

- **Description:** Mounting kit for SIL2 applications for safe and easy mounting of the TTK50S; 2x countersunk head screws, 1x mounting plate

Type	Part no.
BEF-MK-S13	2109583

- **Description:** Screws, M3\*25 (5349511)

Packing unit	Type	Part no.
2 pieces	BEF-MK-S16	2139718

- **Description:** 1 M4x16 cylinder head screw and 1 2x2x6 feather key acc. to DIN 6885

Type	Part no.
BEF-MK-SE01	2073617

- **Description:** Retaining ring for installing the position magnets in the piston of the hydraulic cylinder

- **Material:** stainless steel

- **Details:** Stainless steel 1.4319

Packing unit	Type	Part no.
1 piece	BEF-MK-SR-01	2116437
5 pieces	BEF-MK-SR-05	2116438
10 pieces	BEF-MK-SR-10	2116439
50 pieces	BEF-MK-SR-50	2116440

- **Description:** Corrugated spring washer for installing the position magnets in the piston of the hydraulic cylinder

- **Material:** stainless steel

- **Details:** 1.4568 (17-7 PH Condition CH900)

Packing unit	Type	Part no.
1 piece	BEF-MK-WF-01	2116431
5 pieces	BEF-MK-WF-05	2116432
10 pieces	BEF-MK-WF-10	2116433
50 pieces	BEF-MK-WF-50	2116435

- **Description:** MLG-2 ProNet, fieldbus module, mounting kit, scope of delivery: 1 x connection module, 1 x adjusting screw (total length: 14 mm), 2 x threaded bolt (total length: 57 mm)

Type	Part no.
BEF-MLG-2-FBM-SET	2090665

- Description:** Diameter 18 mm x 100 mm for W4S-3 Inox hygiene. Hygienic integration without holes and brackets. Cable run inside tube

Type	Part no.
BEF-MR18G-NA	4065853

- Description:** Protective strip for linear encoder magnetic tape, length 1 m, width 10 mm

- Dimensions (W x H x L):** 10 mm x 1 m

Type	Part no.
BEF-MSB-01M-10MM	5338145

- Description:** Counter nut, G 3/4 A process connection

- Material:** plastic

Details	Type	Part no.
PA	BEF-MU-0PAG34-LFT1	5321681

- Description:** Counter nut, process connection 3/4" NPT

- Material:** plastic

Details	Type	Part no.
PA	BEF-MU-0PAN34-LFT1	5321680

- Description:** Lock nut fitting, process pressure -1 bar to 64 bar, G 1 A process connection, G 3/4 A female thread

- Material:** stainless steel

Details	Type	Part no.
Stainless steel 316L	BEF-MU-316G10-ALFV	5322463

- Description:** Locking screw connection, process pressure -1 bar to 16 bar, process connection G 2 A, inner thread G 1 1/2 A

- Material:** stainless steel

Details	Type	Part no.
Stainless steel 316L	BEF-MU-316G20-ALBV	5322462

- Description:** M8 x 1 hexagon nut

- Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V4A	2 pieces	BEF-MU-M08N1	2109315

- Description:** M12 x 1 hexagon nut

- Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V4A	2 pieces	BEF-MU-M12N1	2109316

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- **Material:** plastic

Type	Part no.
BEF-MU-M18*1	4040270

- **Description:** M18 x 1 hexagon nut

- **Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V4A	2 pieces	BEF-MU-M18N1	2109317

- **Description:** M18 x 1 hexagon nut

- **Material:** plastic

Details	Items supplied	Type	Part no.
PA	2 pieces	BEF-MU-M18P	2119812

- **Description:** M30 x 1.5 hexagon nut

- **Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V4A	2 pieces	BEF-MU-M30N1	2109318

- **Description:** Assembly tool for shaft and collet assembly

Type	Part no.
BEF-MW-AD0408	2029942

- **Description:** Mounting tools

Suitable for	Type	Part no.
–	BEF-MW-SKX36	2031079
Anschlussart T,J,K	BEF-MW-EKX36	2060224

- **Description:** Anti-static brush as accessory for DUV60 incremental encoder with two measuring wheels

Type	Part no.
BEF-MWESB	2097629

- **Description:** Conical plug gauge

Type	Part no.
BEF-MW-KLD1D3	5313736

- **Description:** Test gauge for SEK/SEL34, SEK/SEL37, and EES/EEM37

Type	Part no.
BEF-MW-PL	2084768

- **Description:** Assembly tool SEK52/SEL52

Type	Part no.
BEF-MW-SEY52	2048235

- **Description:** Sliding nuts with spring metal sheet for Bosch profile, 2x slot 8 and slot 10, including mounting material

Items supplied	Type	Part no.
Mounting hardware included with every 2 x slot 8 and slot 10	BEF-NSBO-PLG	2041049

- **Description:** Sliding nuts with spring metal ball for ITEM profile, 2x slot 6 and slot 8, including mounting material

Items supplied	Type	Part no.
Mounting hardware included with every 2 x slot 6 and slot 8	BEF-NSIT-PLG	2041045

- **Description:** Mounting clip 6 mm

- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-H06	7901771

- **Description:** For screwing into the front M5 female thread of the PBST pressure sensors. M5x0.8 thread Effective protection of the pressure measuring cell against pressure peaks. Attenuation of pressure surges in low-viscosity media.

Details	Suitable for	Type	Part no.
Stainless steel 1.4404	Pressure sensors with M5 female thread	BEF-SN-V4AM5X0X8-PBST	2148232

- **Description:** Mounting tool for "fully flush" variants

Usable for	Suitable for	Type	Part no.
GR18	GR18S, radial, fully flush	BEF-TO-GR18S	4072132

- **Description:** Wire rope deflection roller for VarioLine wire draw encoder: BCV\*, PFV\*, MRA-V080. Can be retrofitted.

Type	Part no.
BEF-V080-R	5350837

- **Description:** Bracket mounting set

Items supplied	Type	Part no.
Clamps and rod included	Bracket arm mounting	2029925
Mounting hardware included	BEF-WG-ICS100	2027839

- **Description:** Half-shell servo clamps (2 pcs.) for servo flanges with a 50 mm centering hub

Type	Part no.
BEF-WG-SF050	2029165
BEF-WG-SF050S1	2088848

- **Description:** Servo clamps, small, for servo flange (clamps, eccentric fastener), 3 pcs, without mounting material

Items supplied	Type	Part no.
Without mounting hardware	BEF-WK-RESOL	2039082

- **Description:** Servo clamp for shoulder clamping

Items supplied	Type	Part no.
Without mounting hardware	BEF-WK-RESOL1	2048827

- **Description:** Servo clamps, small, for servo flange (clamps, eccentric fastener), 1,000 pcs, without mounting material

Items supplied	Type	Part no.
Without mounting hardware	BEF-WK-RESOL2	2084088

- **Description:** Servo clamps, small, for servo flange ACS/ACM36, DBS36, scope of delivery: 3 servo clamp, 3 cylinder head screws

Items supplied	Type	Part no.
Without mounting hardware	BEF-WK-RESOL-L	4121267

- **Description:** Servo clamps, large, for servo flange (clamps, eccentric fastener), 3 pcs, without mounting material

Items supplied	Type	Part no.
Without mounting hardware	BEF-WK-SF	2029166

- **Description:** Adapter sleeve for fibers LL3 Ø 1.0 mm, included with delivery of LL3

Items supplied	Type	Part no.
1 pieces	BF-WLL160-10	5305479

- **Description:** Adapter sleeve for fibers LL3 Ø 1.3 mm, included with delivery of LL3

Items supplied	Type	Part no.
1 pieces	BF-WLL160-13	5306094

Packing unit	Type	Part no.
-	Glare protection	On request
	PG extension for PG13 to PG21	5306052
	Solenoid valve	6010999
		6011652
		6011653
		6022636
		6022676
		6008598
		6020183
	TRIGGERKIT - 3D SISS	1148351
10 pieces	Terminal with resistor 182 ohm	2027227
	Terminal with resistor 2.15 ohm	2073807
	Safety screws M3 x 12	5333569
	Safety screws M4 x 14	5333570
	Safety screws M4 x 18	5339775
	Safety screws M4 x 20	5333571
20 pieces	Safety screws M4 x 25	5333572
	Safety screws M6 x 16	5339774
	Safety screws M4 x 14	5309170

- Description:** Cable clips T-slot, 10 pcs./bag

Type	Part no.
CABLE CLIPS	2059322

- Description:** Belt holder for wireless unit

Type	Part no.
CLESS/BH Belt Holster	7025721

- Description:** Seal for TWINOX4 angle bracket, EPDM, 2 pcs

**Material:** EPDM

Details	Items supplied	Suitable for	Type	Part no.
EPDM	2 x Seal for angle bracket	2140151, 2140153, 2140151	Seal for angle bracket	4120178

- Description:** Rotary pulse encoder with angle

Type	Part no.
Rotary pulse encoder with angle	2039457
	2043033

## Assembly accessories

- **Description:** For loosening and tightening M12 plug connectors to the system plug with defined torque (0,4 Nm)

Type	Part no.
Torque screwdriver with attachment for M12 plug connector	2081618

- **Description:** Focus adjustment tool with packaging for Lector61x

Suitable for	Type	Part no.
Lector61x	Adjustment tool	2111580

- **Description:** M6 washers for electrical insulation. Use at the top and bottom of the Flexi Mobile through-hole.

Packing unit	Type	Part no.
6 pieces	EMC insulating washers	2124184

- **Description:** End cap for wireless hand-held scanner

Type	Part no.
End cap	6064638

- **Description:** Replacement end cap for HW1991 wireless mobile hand-held scanner

Type	Part no.
End cap	4112988

- **Description:** For the disassembly of the modules

Type	Part no.
Unlocking tool	4075862

- **Description:** Replacement button for flexLock escape release

Items supplied	Type	Part no.
1 pieces	Replacement button for flexLock escape release	2142708

- **Description:** Safety cord for pipe clamping system, steel cable with 2 karabiners

Type	Part no.
Drop protection	1025633

- **Description:** Fiber cutter, included with delivery of selected fibers

- **Dimensions (W x H x L):** 10 mm x 37 mm x 65 mm

Type	Part no.
FC	5304141

- Description:** Spring balancer and weight compensation for hand-held-scanners, extension length 1.8 m, transport weight up to 0.7 kg

Type	Part no.
Spring balancer and zero-gravity balancer	5328379

- Description:** Adapter sleeve for LBS/LIS fibers with Ø 4.8 mm for adaptation to Ø 2.2 mm

Items supplied	Type	Part no.
2 pieces	Fiber Optic Adaptor Kit	2062854

- Description:** Mounting plate for actuator

- Material:** Aluminum

Details	Packing unit	Type	Part no.
Aluminum	1 piece	FXL1-XMA1	1139209

- Description:** Mounting plate for sensor

- Material:** Aluminum

Details	Packing unit	Type	Part no.
Aluminum	1 piece	FXL1-XMS2	1139207

- Description:** Joint ball for later insertion in wire end ring with 20 mm diameter. The use of this joint ball enables movement in multiple levels of freedom.

Type	Part no.
Joint protection for wire rope BTF/PRF/MRA	5318683

- Description:** Threaded pin M2.5

Packing unit	Usable for	Type	Part no.
1 piece	MZ2Q-C, MZC2, MPS-G	M2.5 threaded pin	4057759

- Description:** Threaded pin M3

Packing unit	Usable for	Type	Part no.
–	MPS-T	M3*11 THREADED PIN	4055919
1 piece	MPS-C	M3 THREADED PIN	4082987

- Description:** Belt holder for wireless unit and a Li-ion battery

Items supplied	Type	Part no.
–	Belt holster	5328378
Li-ion battery	Belt holster	6036657

## Assembly accessories

- **Description:** Articulating arm for VMHOLDER

Type	Part no.
Holding arm	6028231

- **Description:** Carry, securing handly

Type	Part no.
Handle	2050816

- **Description:** Mounting bracket for card transponder on euro-pallet

Type	Part no.
Bracket for card transponder	2084718

- **Description:** The retaining cable is used to mount compatible SICK sensors when installing in high places, and is used especially for securing the device during mounting.

- **Dimensions (W x H x L):** 2 m

- **Material:** stainless steel

Details	Suitable for	Type	Part no.
Stainless steel V4A	MRS1000, LMS1000, LMS1xx, LMS5xx	Retaining cable 2 m	2104795

- **Description:** Optional hand strap for the tablet of the mobile DIM320 dimensioning system

Type	Part no.
Hand strap DIM320	6068855

- **Description:** Belt holder

Type	Part no.
HANDS-FREE HOLDER	7027748

- **Description:** Mounting rail clip for PGT-13-S, clamp and alignment brackets for mounting rail

Type	Part no.
HBEF-HPS-PGT-13-S	2123739

- **Description:** 2.5 m length, 50 mm diameter, 30 mm hole diameter

Type	Part no.
Hollow shaft	4039783

- **Description:** 2.3 m length, 50 mm diameter, 30 mm hole diameter

Type	Part no.
Hollow shaft	4077568

- **Description:** Adapter plates for installing mounting rails for SIM2000 and SIM2500 including screws.

Items supplied	Type	Part no.
Mounting hardware included	Mounting kit for mounting rail	2084765

- **Description:** Mounting rail bracket with fixing screws for 35 mm DIN rail

• **Dimensions (W x H x L):** 45 mm x 10.7 mm x 51 mm

Color	Type	Part no.
Black	Mounting rail bracket	6069266

- **Description:** Complete frame for demonstration, including basic accessories

Type	Part no.
IVC-3D Demonstrator	2040423
Ranger C Demonstrator	2042107
Ranger E/D Demonstrator	2042106

- **Description:** Wall adapter for protective hose

Type	Part no.
IVCP-W1	2057089

- **Description:** Cable tie for Clone Plug/Host-Guest Plug

Packing unit	Type	Part no.
1 piece	Cable ties	5318367
30 pieces	Cable marker	2086696

- **Description:** replacement terminal strip

Type	Part no.
Terminal strip set	6025841

- **Description:** for grounding the MSL, C2000, M2000 or C4000 when using the AS-interface module lower parts FKE or FKE-A

Packing unit	Type	Part no.
1 piece	T-nuts	4031411

- **Description:** Spherical bearing M18

Suitable for	Type	Part no.
SureSense	Ball holder	4057409

- **Description:** Label Holder, 2.5 mm to 3.5 mm, 10 pcs.

• **Material:** plastic

Details	Packing unit	Type	Part no.
TPU	10 pieces	LABEL HOLDER	2086019

## Assembly accessories

- **Description:** Mounting stand, height 864 mm (34"), black

Type	Part no.
LCMS-2.5-34B	7020258

- **Description:** Mounting stand, height 1295 mm (51"), black

Type	Part no.
LCMS-2.5-51B	7020259

- **Description:** Mounting stand, height 1600 mm (63"), black

Type	Part no.
LCMS-2.5-63B	7020260

- **Description:** Mounting stand, height 1829 mm (72"), black

Type	Part no.
LCMS-2.5-72B	7020261

- **Description:** Connecting clamp with confirmation level, max. continuous service temperature 85 °C

- **Dimensions (W x H x L):** 12.4 mm x 14.5 mm x 20.5 mm

Type	Part no.
Light terminal	6041383

- **Description:** Adapter sleeve for Ø 1.0 mm fiber-optic cable for adaptation to Ø 2.2 mm, included with delivery of fiber-optic cable

Items supplied	Type	Part no.
1 pieces	LLAC-AB10	2119446

- **Description:** Adapter sleeve for Ø 1.3 mm fiber-optic cable for adaptation to Ø 2.2 mm, included with delivery of fiber-optic cable

Items supplied	Type	Part no.
1 pieces	LLAC-AB13	2119447

- **Description:** Fiber cutting tool, in LLX scope of delivery

Items supplied	Type	Part no.
1 pieces	LLAC-FC	2119448

- **Description:** Magnet holder

Type	Part no.
MAGNET HOLDER	2030671
	2030658

- Description:** Magnetic mounting kit for mounting a SIM1012 using two magnets (M6), screws and washers for easy mounting

Items supplied	Type	Part no.
2x magnet, M6 female thread, Ø 50 mm, height 10 mm, 2x screw, hexagon socket, M6 x 14 mm, 2x washer, Ø 6.4 mm	Magnet mounting kit	2123575

- Description:** Mounting bracket

Suitable for	Type	Part no.
SureSense	MB-BS18MM-M4	2049694

- Description:** Mounting clamp bracket M18 x 1

Type	Part no.
MB-BS24MM-M4	2049695

- Description:** Bottom M18 mounting bracket SureSense sensors

- Dimensions (W x H x L):** 25 mm x 38.5 mm x 23.5 mm

Type	Part no.
MB-M18-H18	2085820

- Description:** Adapter bracket (M30 thread) for mounting W14/W18 sensors

Type	Part no.
MB-M30-W14/18	2039697

- Description:** Adapter bracket (M30 thread) for mounting W9 sensors

Type	Part no.
MB-M30-W9	2039696

- Description:** Mounting bracket for M18 housing, side mounting

- Material:** stainless steel

Details	Type	Part no.
Stainless steel	MB-W1000	7023800

- Description:** Mounting bracket, with ball-and-socket, rotatable

- Material:** plastic

Details	Type	Part no.
Plastic	MB-W2000B	7022976

- Description:** Mounting bracket

- Material:** plastic

Details	Type	Part no.
Plastic	MB-W2000P	7022979

## Assembly accessories

- **Description:** Mounting kit

Type	Part no.
MK-W2000	7023155

- **Description:** Assembly support

Items supplied	Type	Part no.
Mounting hardware included	Mounting adapter	5350649

- **Description:** Mounting pipe L = 130 mm, Ø = 30 mm

Type	Part no.
Assembly pipe	5313008

- **Description:** Mounting set consisting of: Cup springs, nuts and washers

Type	Part no.
Mounting kit	2048677

- **Description:** Mounting set for alternative attachment of the FE connection directly on the housing of the safety laser scanner

Items supplied	Type	Part no.
2 × clamping bracket, 1 × spring ring, 1 × hexagon screw with M5 × 12 slot	Mounting set for functional earth connection	2094128

- **Description:** Mounting tool for M12 cable socket, small housing

Packing unit	Type	Part no.
1 piece	Installation wrench	4034690

- **Description:** Mounting tool for M12 cable socket, large housing

Packing unit	Type	Part no.
1 piece	Installation wrench	4067618

- **Description:** Mounting set consisting of: spring plates, spherical washers, nuts

Type	Part no.
Mounting kit	2060477

- **Description:** Mounting kit with WL18 (1025911)

Type	Part no.
Mounting set	2034693

- **Description:** Additional brush attachment for wire draw mechanism MRA-F080 (2 m and 3 m from HighLine series)

Type	Part no.
MRA-F080-B	6045341

- **Description:** Wire draw double deflection pulley for wire draw mechanism MRA-F080 (2 m and 3 m from HighLine series)

Type	Part no.
MRA-F080-DP	6080621

- **Description:** Wire draw deflection pulley for wire draw mechanism MRA-F080 (2m and 3m from HighLine series)

Type	Part no.
MRA-F080-R	6028632

- **Description:** Additional brush attachment for wire draw mechanism MRA-F130 (5 m, 10 m, 20 m and 30 m from HighLine series)

Type	Part no.
MRA-F130-B	6038562

- **Description:** Wire draw double deflection pulley for wire draw mechanism MRA-F130 (5 m, 10 m, 20 m and 30 m from HighLine series)

Type	Part no.
MRA-F130-DP	6080620

- **Description:** Wire draw deflection pulley for wire draw mechanism MRA-F130 (5m, 10m, 20m and 30m from HighLine series)

Type	Part no.
MRA-F130-R	6028631

- **Description:** Spare mounting set for HighLine wire draw mechanisms for fitting encoders with face mount flange

Type	Part no.
MRA-F-L	6030124

- **Description:** Compressed air attachment for MRA-F080... and MRA-F130... HighLine wire draw mechanism

Type	Part no.
MRA-F-P	6073769

- **Description:** Wire draw deflection pulley for wire draw mechanism MRA-G080 (3 m from EcoLine series)

Type	Part no.
MRA-G080-R	2128506

## Assembly accessories

- **Description:** Spare nut, M12x1, wrench size 17, brass

Type	Part no.
M12 nut	7900434

- **Description:** Nut M18 x 1

Type	Part no.
NUT M18*1	4053361

- **Description:** M30 x 1.5 nut

Type	Part no.
M30 nut	7900438

- **Description:** Sliding nut, M4, short

Type	Part no.
Sliding nut	5324897

- **Description:** Sliding nut, M3, short

Usable for	Type	Part no.
Lector62x	Sliding nut	5324898

- **Description:** Sliding nut, M5, short

Usable for	Type	Part no.
Lector62x, EventCam	Sliding nut	5324896

- **Description:** Sliding nut, M4, short

- **Dimensions (W x H x L):** 6.3 mm x 10.5 mm

Type	Part no.
Sliding nut	5319394

- **Description:** Sliding nut set, M5, 4x

Packing unit	Items supplied	Type	Part no.
4 pieces	Included in delivery	Sliding nuts	2017550

- **Description:** suitable for PNS75 and PNS125

Packing unit	Type	Part no.
6 pieces	Sliding nuts for deflector mirror	2030600

- Description:** Set with 4 sliding nuts, 4 screws, and 4 washers, for mounting light curtain on a mounting bracket or machine parts

Type	Part no.
Set of sliding nuts	7025747

- Description:** Replacement O-ring (enclosure rating IP65 / IP67) for HW1990 mobile hand-held scanner

Packing unit	Type	Part no.
10 pieces	O-ring	4112989

- Dimensions (W x H x L):** 7.5 mm x 4.4 mm x 1 mm

Suitable for	Type	Part no.
IMP05	O-ring IMP05	5327492

- Dimensions (W x H x L):** 9.9 mm x 6.6 mm x 1 mm

Suitable for	Type	Part no.
IMP08	O-ring IMP08	5327493

- Dimensions (W x H x L):** 5.3 mm x 2.4 mm

Suitable for	Type	Part no.
IMP12	O-ring IMP12	5327494

- Dimensions (W x H x L):** 11.5 mm x 2 mm

Suitable for	Type	Part no.
IMP14	O-ring IMP14	5327495

- Description:** Mounting set for mounting the DeltaPac on an articulated arm

- Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V2A (1.4305)	Including mounting bolts M4, 50 mm	Special oval mounting	2069055

- Description:** Rhombus sliding nut, M5

Packing unit	Type	Part no.
1 piece	Rhombus sliding nut	4031853

- Description:** Rhombus sliding nut kit comprising 4 x rhombus sliding nuts, M5 (4031853) plus screws and washers

Packing unit	Items supplied	Type	Part no.
4 pieces	4 x rhombus sliding nuts, 4 x M5 screws, 12 mm, 4 x washer, 5.3 mm	Rhombus sliding nut kit	2073771

## Assembly accessories

- **Description:** Spacer for RE11 / RE13

Packing unit	Type	Part no.
10 pieces	RE10-SD	5322315

- **Description:** spacer for RE1

Packing unit	Type	Part no.
10 pieces	RE10-SP	1060290

- **Description:** Spacer for RE21 / RE23 / RE27

Packing unit	Type	Part no.
10 pieces	RE20-SD	5320067

- **Description:** spacer for RE2

Packing unit	Type	Part no.
10 pieces	RE20-SP	1060291

- **Description:** Adapter D60 to D50 for blower outlet, 10m air hose, 50mm, adapter D50 to D40, 2 pc. Hose clamp D50

Type	Part no.
Hose Set D50	2048805

- **Description:** Shock damper for mounting kit (2086074)

• **Dimensions (W x H x L):** 1 cm x 1 cm x 1.5 cm

Type	Part no.
Shock damper	2109327

- **Description:** 2 x Phillips screw M3 \* 14-4.8 2 x Washer B3.2 2 x Spring washer B3.2 2 x Nut, hexagon M3-5

Type	Part no.
SCREW SET W2S/G2S	2025547

- **Description:** Shock damper bracket

Type	Part no.
Shock mount	2051246

- **Description:** Set for arc suppression

Type	Part no.
SDAS	7020208

- Description:** Bracket for easy mounting of ELA external illumination as a backlight. Suitable for all AS30 Prime with sensing distance 100 mm.
- Material:** steel

Details	Items supplied	Suitable for	Type	Part no.
Steel, zinc coated	Reflector holder, screw set for AS30	AS30, ELA	SET FORK HOLDER ELA SD100	2134661

- Description:** Bracket for easy mounting of ELA external illumination as a backlight. Suitable for all AS30 Prime with 25 mm sensing distance.
- Material:** steel

Details	Items supplied	Suitable for	Type	Part no.
Steel, zinc coated	Mounting bracket, Screw set for AS30 and ELA	AS30, ELA, AS30	SET FORK HOLDER ELA SD25	2134662

- Description:** Bracket for reflective foil (scope of delivery of AS30) or accessory reflector. Simple alignment and adjustment of the correct sensing distance.
- Material:** steel
- Details:** steel, zinc coated
- Suitable for:** AS30

Items supplied	Type	Part no.
Screw set for AS30, Mounting bracket	SET FORK HOLDER REFLECTOR SD100	2134663
Fork holder, Screw set for AS30	SET FORK HOLDER REFLECTOR SD25	2134664

- Description:** Safety screws for mounting bracket of actuator

Packing unit	Type	Part no.
10 pieces	Safety screws M5 x 10	5334497

- Description:** Extension for probe GS5, length 500 mm

Type	Part no.
Probe extension	7040102

- Description:** Extension for probe GS5, length 1000 mm

Type	Part no.
Probe extension	7040104

- Description:** Extension for probe GS5, length 1500 mm

Type	Part no.
Probe extension	7040024

- Description:** Accessory for ultrasonic channeling for the product family UC4

Type	Part no.
SonicTube UC4	5329249

## Assembly accessories

- **Description:** Strap for mast bracket (sold by meter)

Type	Part no.
Tension strap	5306222

- **Description:** Strap lock

Type	Part no.
Adjustable strap lock	5306221

- **Description:** Steel dowel, M10, for fastening the base plate of mirror columns and device columns to the floor
- **Material:** steel
- **Details:** steel, zinc coated

Packing unit	Type	Part no.
1 piece	Steel plug	5308961
3 pieces	Steel dowel kit	2086244

- **Description:** tripod adapter for use with standard tripods, with screws

Type	Part no.
Stand adapter	5333794
	5341677
	4109801
	4109802

- **Description:** tripod adapter for use with standard tripods, screws included

Type	Part no.
Stand adapter	5333793

- **Description:** Tripod mount

Type	Part no.
Stand mount	6036724
	5328382

- **Description:** tripod mount

Type	Part no.
Stand mount	6045193

- **Description:** Table and wall bracket including mounting material (Honeywell HOLDER-010-U)

Type	Part no.
Stand mount	5328380

- **Description:** Stand, gray, height: 30 cm (12"), rigid rod, weighted base plate (Honeywell STND-30R00-011-4)

Type	Part no.
Stand mount	5328381

- **Description:** Vehicle mounting kit including vehicle fork bracket (VM bracket), adjustable arm with ball joints and mounting accessories (Honeywell VMHOLDERK)

Type	Part no.
Stand mount	5328383

- **Description:** Table and wall bracket including mounting material (Honeywell VMHOLDERE)

Type	Part no.
Stand mount	5337563

- **Description:** Adjustable stand, grey, weighted base plate, plastic (Zebra STND-AS0036-07) for ZS36xx

Type	Part no.
Stand mount	4108870

- **Dimensions (W x H x L):** 10 mm x 5.9 mm x 1 mm

Suitable for	Type	Part no.
IMP12	Support ring IMP12	5327496

- **Description:** 2-part Teflon support for HF transponders, 2 x 6.2 mm holes, including (Allen) screws and spacers

- **Dimensions (W x H x L):** 83.5 mm x 61.5 mm x 22 mm

- **Material:** PTFE

Details	Type	Part no.
Teflon	Teflon support	2084810

- **Description:** Thermal mounting kit consisting of screws and insulating spacers

Type	Part no.
Thermal mounting kit for cold storage	2127289

- **Description:** Desk holder

- **Dimensions (W x H x L):** Bore hole spacing 58 mm

Type	Part no.
Table mount	6036723

- **Description:** Desk holder

Type	Part no.
Table mount	6045192

## Assembly accessories

- **Description:** M8 mounting key set for SW9 with calibrated torque 0.4 Nm

Packing unit	Suitable for	Type	Part no.
1 piece	M8 Standard	TOOL-TW04M08AF09	5337207

- **Description:** M8 mounting key set for SW10 with calibrated torque 0.4 Nm

Packing unit	Suitable for	Type	Part no.
1 piece	F&B M8 PVC	TOOL-TW04M08AF10	5337210

- **Description:** M12 mounting key set for SW13 with calibrated torque 0.6 Nm

Packing unit	Suitable for	Type	Part no.
1 piece	M12 Standard	TOOL-TW06M12AF13	5337208

- **Description:** M12 installation wrench set for WAF14 with calibrated torque 0.6 Nm

Packing unit	Suitable for	Type	Part no.
1 piece	F&B M12 PVC	TOOL-TW06M12AF14	5329575

- **Description:** Handle bag 1 m for filter head probe and two extensions

Type	Part no.
Bag	7040002

- **Description:** Handle bag 1,5 m for filter head probe and two extensions

Type	Part no.
Bag	7040184

- **Description:** Handle bag 2 m for filter head probe and two extensions

Type	Part no.
Bag	4050003

- **Description:** Flight case for transporting power supply unit, cables, tools, etc.

Type	Part no.
Carrying case	7040027

- **Description:** Stand/tripod

Type	Part no.
TRIPOD-IVC	7122652

- **Description:** Sliding nut, ITEM profile, M6
- **Dimensions (W x H x L):** 7.3 mm x 13.8 mm x 23 mm

Packing unit	Items supplied	Type	Part no.
4 pieces	Included in delivery	UH sliding nut	5305615

- **Description:** two extension pieces (30 mm each) for the axis of the escape release

Packing unit	Type	Part no.
2 pieces	Extension piece	2132721

- **Description:** Bracket for SLG
- **Material:** stainless steel

Details	Type	Part no.
Stainless steel	VZA-SLG	2048519

- **Description:** Wall bracket, grey, plastic (Zebra 11-66553-06R) for ZS36xx

Type	Part no.
Wall holder	4108871

- **Description:** Handheld scanner holder, rubberized metal, incl. mounting material (Zebra 1000225)

Type	Part no.
Wall holder	4108872

- **Description:** Mounting clip for round body cylinder, clamping range 9.2 mm to 10 mm, for piston rod diameter of 8 mm
- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-R1-08	7902337

- **Description:** Mounting clip for round body cylinder, clamping range 10.9 mm to 12 mm, for piston rod diameter of 10 mm
- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-R1-10	7901753

- **Description:** Mounting clip for round body cylinder, clamping range 12.9 mm to 41 mm, for piston rod diameter of 12 mm
- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-R1-12	7901754

- **Description:** Mounting clip for round body cylinder, clamping range 16.9 mm to 18 mm, for piston rod diameter of 16 mm
- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-R1-16	7901755

## Assembly accessories

- **Description:** Mounting clip for round body cylinder, clamping range 21 mm to 22 mm, for piston rod diameter of 20 mm
- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-R1-20	7901756

- **Description:** Mounting clip for round body cylinder, clamping range 33 mm to 35 mm, for piston rod diameter of 32 mm
- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-R1-32	7901758

- **Description:** Mounting clip for round body cylinder, clamping range 52.5 mm to 54 mm, for piston rod diameter of 50 mm
- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-R1-50	7901760

- **Description:** Mounting clip for round body cylinder, clamping range 66 mm to 67 mm, for piston rod diameter of 63 mm
- **Material:** plastic

Details	Items supplied	Type	Part no.
Plastic	Mounting hardware included	BEF-S-R1-63	7901761

- **Description:** Spare mounting set for MRA-G190 (10 m EcoLine)

Type	Part no.
BEF-MK-MRA-G01	5326294

- **Description:** M8 x 1 hexagon nut
- **Material:** brass

Details	Items supplied	Type	Part no.
Nickel-plated brass	2 pieces	BEF-MU-M08	2103179

- **Description:** Mounting tool for emergency stop pushbutton

Type	Part no.
ES21-XA100	5321538

- **Description:** Spare mounting set for HighLine wire draw mechanisms for fitting encoders with servo flange

Type	Part no.
MRA-F-K	6028633

- **Description:** Valve, air-to-drive config. (NC), 9mm DIN conn. 3/8" & 1/4" ports, 0-65 psi, one output port

Type	Part no.
ZSV-A1	7027749

- Description:** M12 x 1 hexagon nut
- Material:** brass

Details	Items supplied	Type	Part no.
Nickel-plated brass	2 pieces	BEF-MU-M12	2103184

- Description:** M18 collar nut for 18 mm thread

Type	Part no.
M18 flanged nut	7023677

- Description:** 0.9 mm Allen wrench for the installation of LL-LUT8 and LLX3-xxxx

Type	Part no.
LLA	7023860

- Description:** Valve, air-to-brake config. (NO), 9mm DIN conn. 3/8" & 1/4" ports, 0-65 psi, one output port

Type	Part no.
ZSV-A2	7027750

- Description:** M18 x 1 hexagon nut
- Material:** brass

Details	Items supplied	Type	Part no.
Nickel-plated brass	2 pieces	BEF-MU-M18	2103185

- Description:** Valve, air-to-drive config. (NC), 9mm DIN conn. 3/8" & 1/4" ports, 0-65 psi, two output ports

Type	Part no.
ZSV-A3	7027751

- Description:** M30 x 1.5 hexagon nut
- Material:** brass

Details	Items supplied	Type	Part no.
Nickel-plated brass	2 pieces	BEF-MU-M30	2103186

- Description:** Valve, air-to-brake config. (NO), 9mm DIN conn. 3/8" & 1/4" ports, 0-65 psi, two output ports

Type	Part no.
ZSV-A4	7027752

- Description:** M8 x 1 hexagon nut with locking serration
- Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V2A (1.4301)	2 pieces	BEF-MU-M08N	2103187

## Assembly accessories

- **Description:** M12 x 1 hexagon nut with locking serration
- **Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V2A (1.4301)	2 pieces	BEF-MU-M12N	2103188

- **Description:** M18 x 1 hexagon nut with locking serration
- **Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V2A (1.4301)	2 pieces	BEF-MU-M18N	2103189

- **Description:** M30 x 1.5 hexagon nut with locking serration
- **Material:** stainless steel

Details	Items supplied	Type	Part no.
Stainless steel V2A (1.4301)	2 pieces	BEF-MU-M30N	2103190

- **Description:** Mounting bracket on round body cylinder with diameter of 8 mm to 130 mm
- **Material:** plastic, stainless steel

Details	Items supplied	Type	Part no.
Plastic, stainless steel	Without mounting hardware	BEF-KHZ-RT1-130	5311506

- **Description:** Mounting bracket on round body cylinder with diameter of 8 mm to 25 mm
- **Material:** plastic, stainless steel

Details	Items supplied	Type	Part no.
Plastic, stainless steel	Without mounting hardware	BEF-KHZ-RT1-25	5311171

- **Description:** Spare probe for LFP Cubic, probe length 1000 mm, material 1.4404/316L, diameter 7 mm

Type	Part no.
BEF-ER-SN1000-LFPC	2065700

- **Description:** Spare probe for LFP Cubic, probe length 2000 mm, material 1.4404/316L, diameter 7 mm

Type	Part no.
BEF-ER-SN2000-LFPC	2065701

## 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.

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