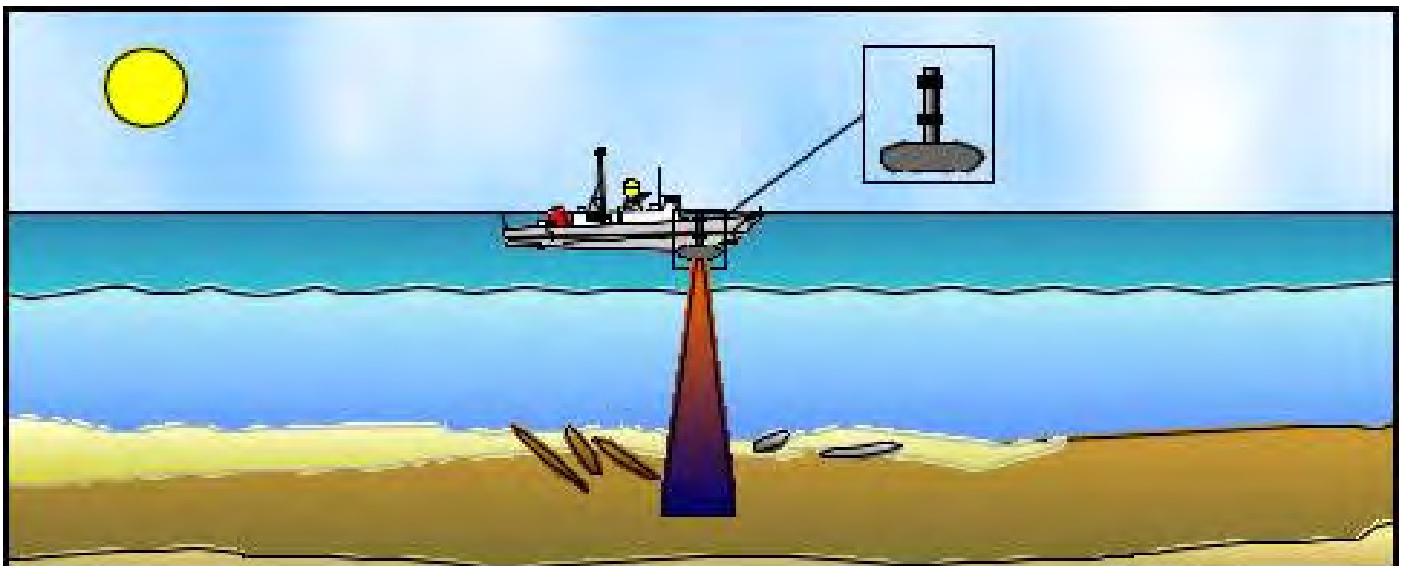


SKIPPER

NAVIGATION ECHO SOUNDER TRANSDUCERS

Illustrated parts list

Edition : 20110519



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- **ETN050T, TRANSDUCER TGM 60-50-25L, 25 m cable with acc. for tank**
- **ETN050XT, TRANSDUCER TGM 60-50-40L, 40 m cable, with acc. for tank**



ETN050T

Item no	Description	Part number	Drawing number/ info	Qty
1	INSTALLATION KIT FOR 50/200 kHz standard/combo tank	INSTKITTANK-SA	See page 7	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	TRANSDUCER MOUNTING RING FOR ETN050(X)T IN ETNST TANK	ETN050SR	TC-2010	1
4	TRANSDUCER TGM 60-50-25L,25 m cable, No Acc. for ETNSLJB	ETN050BEL	25 m cable	1

ETN050XT

Item no	Description	Part number	Drawing number/ info	Qty
1	INSTALLATION KIT FOR 50/200 kHz standard/combo tank	INSTKITTANK-SA	See page 7	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	TRANSDUCER MOUNTING RING FOR ETN050(X)T IN ETNST TANK	ETN050SR	TC-2010	1
4	TRANSDUCER TGM 60-50-40L, 40 m cable, No Acc, For ETNSLJB	ETN050BELX	40 m cable	1

- ETN200T, TRANSDUCER NGM 100-200-25L, 25 m cable, with acc. for tank
- ETN200XT, TRANSDUCER NGM 100-200-40L, 40 m cable, with acc. for tank



ETN200T

Item no	Description	Part number	Drawing number/ info	Qty
1	INSTALLATION KIT FOR 50/200 kHz standard/combo tank	INSTKITTANK-SA	See page 7	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	TRANSDUCER MOUNTING RING STEEL FOR ETN200(X)T IN ETNST TANK	ETN200SR	TC-2011	1
4	TRANSDUCER NGM-100-200-25L,25 m cable, No accessories	ETN200F	25 m cable	1

ETN200XT

Item no	Description	Part number	Drawing number/ info	Qty
1	INSTALLATION KIT FOR 50/200 kHz standard/combo tank	INSTKITTANK-SA	See page 7	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	TRANSDUCER MOUNTING RING STEEL FOR ETN200(X)T IN ETNST TANK	ETN200SR	TC-2011	1
4	TRANSDUCER NGM-100-200-40L,40 m cable, No accessories	ETN200FX	40 m cable	1

- **ETN200ST, TRANSDUCER 200 kHz, SMALL.TGM 50-200-25L, 25 M. FOR TANK**
- **ETN200SXT, TRANSDUCER TGM-50-200-40L, 40 M CABLE, WITH ACC. FOR TANK.**



ETN200ST

Item no	Description	Part number	Drawing number/ info	Qty
1	INSTALLATION KIT FOR 50/200 kHz standard/combo tank	INSTKITTANK-SA	See page 7	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	TRANSDUCER MOUNTING RING FOR ETN050(X)T IN ETNST TANK	ETN050SR	TC-2010	1
4	TRANSDUCER TGM-50-200-25L, 25 m cable No acc. For ETNSLJB	ETN200FS	25 m cable	1

ETN200SXT

Item no	Description	Part number	Drawing number/ info	Qty
1	INSTALLATION KIT FOR 50/200 kHz standard/combo tank	INSTKITTANK-SA	See page 7	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	TRANSDUCER MOUNTING RING FOR ETN050(X)T IN ETNST TANK	ETN050SR	TC-2010	1
4	TRANSDUCER TGM-50-200-40L, 40 m cable, No acc. For ETNSLJB	ETN200FSX	40 m cable	1

INSTALLATION KIT FOR 50/200 kHz standard/combo tank



INSTKITTANK-SA

Item no	Description	Part number	Drawing number/info	Qty
1	Special wrench/tool TC-2012	ZOA-01005		1
2	Allen key 911/M6	ZOA-01003		1
3	Allen screw SCREW M8X100 in6kt A4 70 DIN912	ZOA-01016		6
4	Washer stainless DIN125/A-13/A2 M12	ZOA-01009		4
5	Bronze nut PG-Nipple TC-2013	ZOA-01017	TC-2013	1
6	Rubber gasket Ø23,5/12,5x15 mm SB-6029	ZOA-01008	SB-6029	1

Transducers for combo tank ETNSTCL

- **ETN024T, TRANSDUCER M181-24-40L, 40 m cable, with acc. for tank**
- **ETN038T, TRANSDUCER M181-38-40L, 40 m cable, for tank**



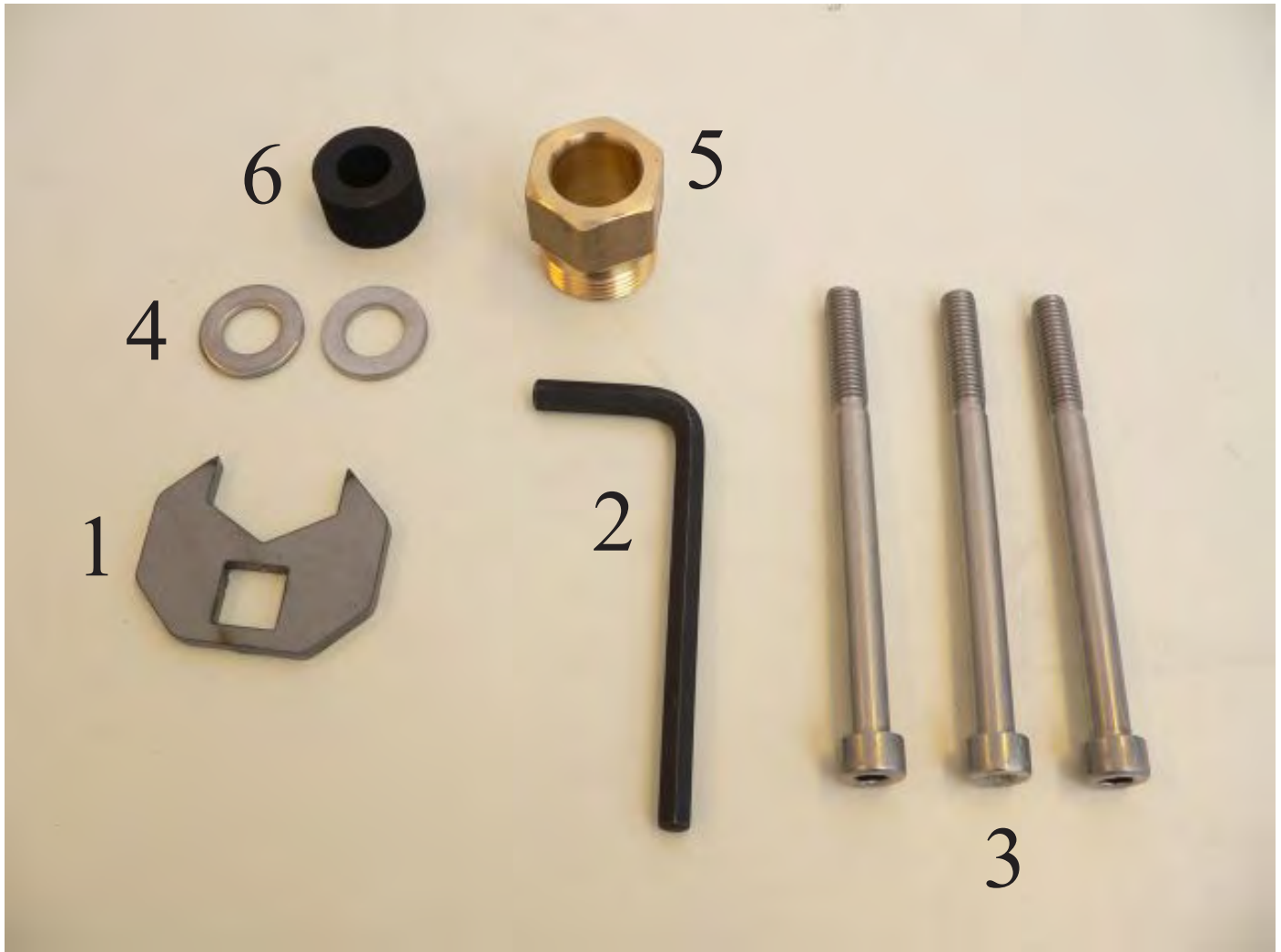
ETN024T

Item no	Description	Part number	Drawing number/info	Qty
1	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
2	Shipping kit		See page 9	1
3	TRANSDUCER PN.41-220-1-01 24KH, 40 m cable,No accessories	ETN24M	41-220-1-01	1

ETN038T

Item no	Description	Part number	Drawing number/info	Qty
1	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
2	Shipping kit		See page 9	1
3	TRANSDUCER PN: 41-221-1-01, 40 m cable,No accessories	ETN38M	41-221-1-01	1

Shipping kit 24/38 kHz transducer combo tank



SHIPPING KIT

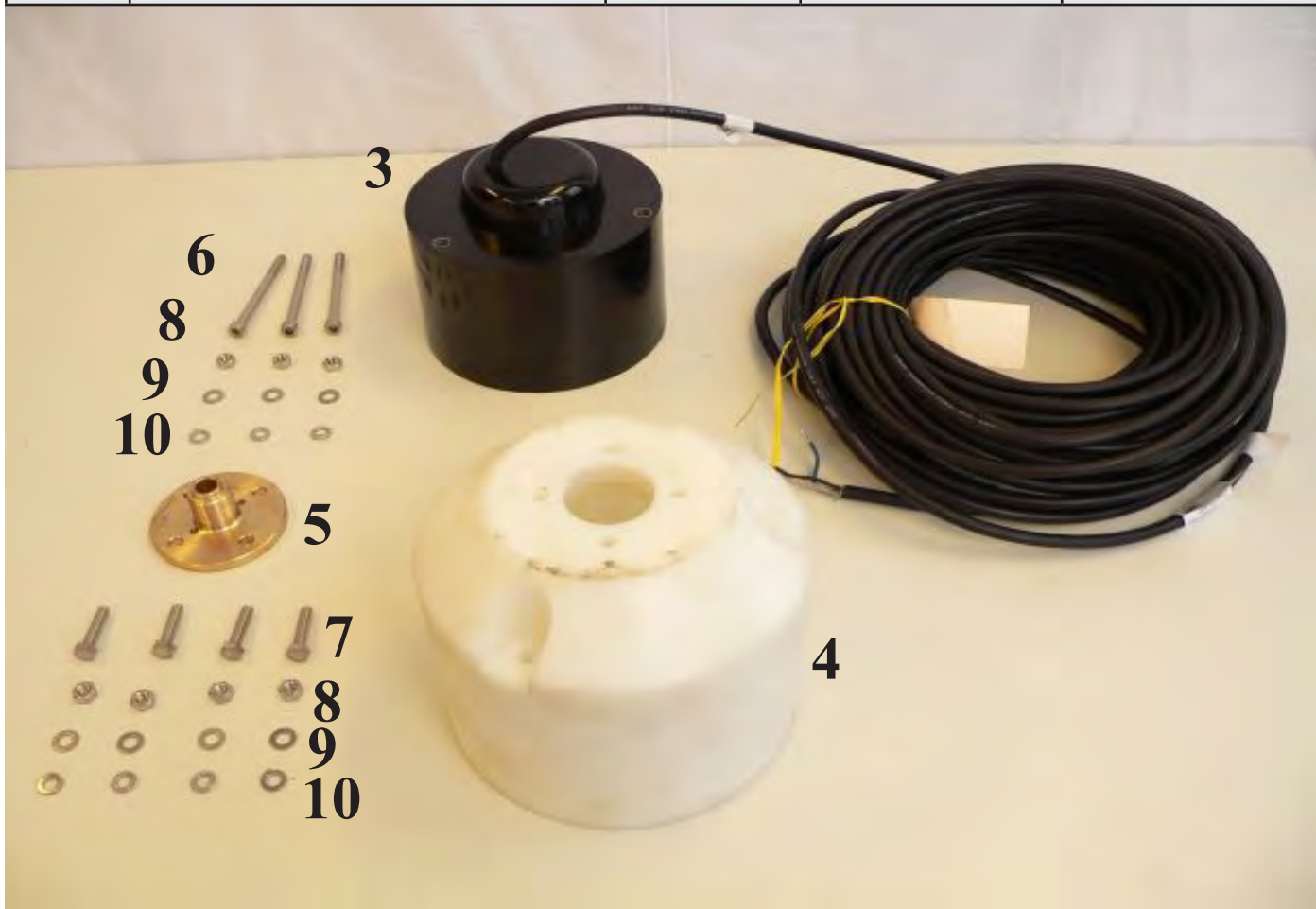
Item no	Description	Part number	Drawing number/ info	Qty
1	Special wrench/tool TC-2012	ZOA-01005		1
2	Allen key 911/M6	ZOA-01003		1
3	Allen screw SCREW M8X100 in6kt A4 70 DIN912	ZOA-01053		3
4	Washer stainless DIN125/A-13/A2 M12	ZOA-01009		2
5	Bronze nut PG-Nipple TC-2013	ZOA-01017	TC-2013	1
6	Rubber gasket Ø23,5/12,5x15 mm SB-6029	ZOA-01008	SB-6029	1

Transducers for 200 mm gate valve SB-200

- ETN024G, TRANSDUCER M181-24-40L, 40 m cable, with acc. for GV



Item no	Description	Part number	Drawing number/info	Qty
1	Transducer 24 kHz for 200 mm gate valve	See below	Factory mounted	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1

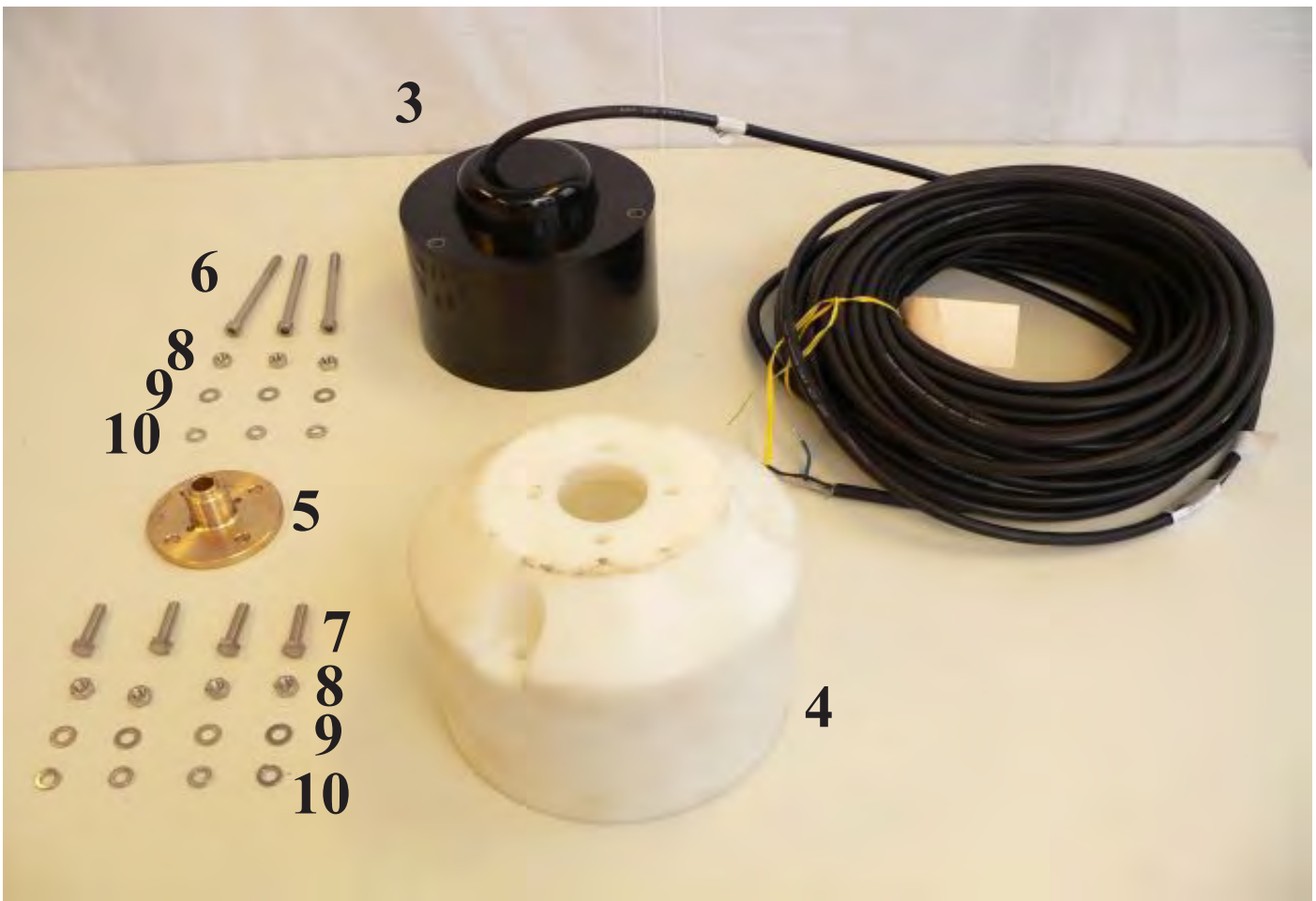


Item no	Description	Part number	Drawing number/info	Qty
3	TRANSDUCER PN.41-220-1-01 24KH, 40 m cable, No accessories	ETN24M	41-220-1-01	1
4	GATE VALVE 200mm, TRANSD. HOUSING POLYETYLEN, for SB-200-ECH	SB-4002	SB-4002	1
5	Sea Valve, Cover Brass for DL270 Sensor, Transd. Housing	DB-2023	DB-2023	1
6	Allen screw SCREW M8X100 in6kt A4 70 DIN912	ZOA-01053		3
7	Bolt M8x35 mm DIN933 A4 80	ZOA-01154		4
8	Nut M8 DIN934 A4	ZOA-01072		7
9	Washer 8,4x16x1,6 mm DIN125 A4	ZOA-01084		7
10	Split washer M8 DIN127 A4	ZOA-01070		7

- ETN038G, TRANSDUCER M181-38-40L, 40 m cable, with acc. for GV



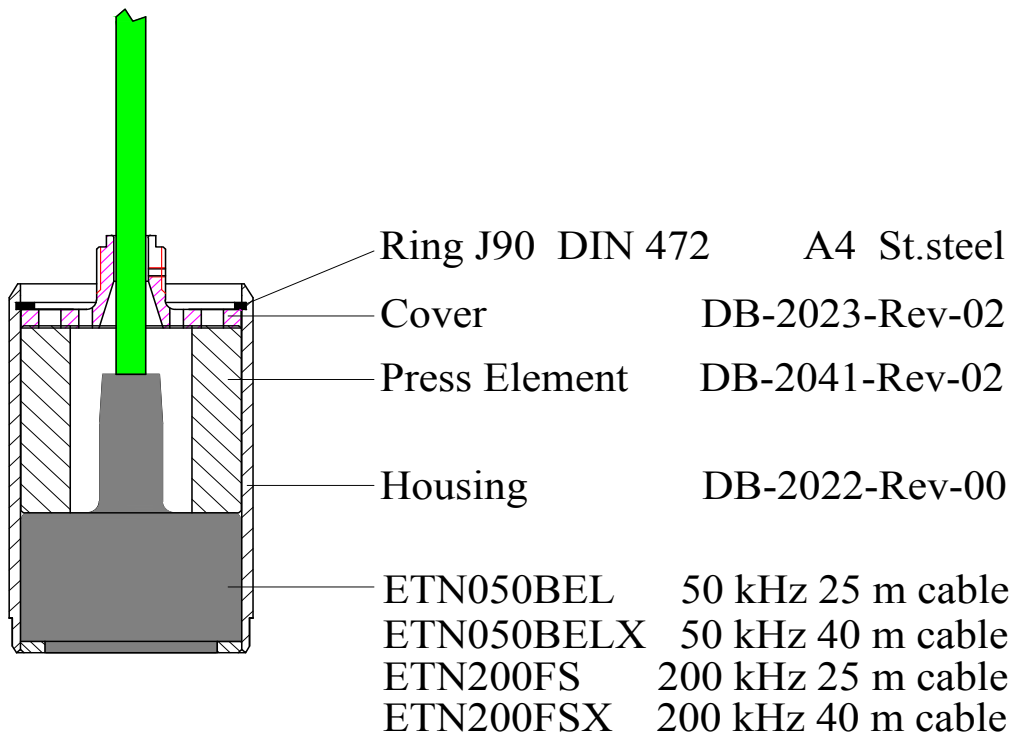
Item no	Description	Part number	Drawing number/info	Qty
1	Transducer 38 kHz for 200 mm gate valve	See below	Factory installed	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1



Item no	Description	Part number	Drawing number/info	Qty
3	TRANSDUCER PN: 41-221-1-01, 40 m cable, No accessories	ETN38M	41-221-1-01	1
4	GATE VALVE 200mm, TRANSD. HOUSING POLYETYLEN, for SB-200-ECH	SB-4002	SB-4002	1
5	Sea Valve, Cover Brass for DL270 Sensor,Transd. Housing	DB-2023	DB-2023	1
6	Allen screw SCREW M8X100 in6kt A4 70 DIN912	ZOA-01053		3
7	Bolt M8x35 mm DIN933 A4 80	ZOA-01154		4
8	Nut M8 DIN934 A4	ZOA-01072		7
9	Washer 8,4x16x1,6 mm DIN125 A4	ZOA-01084		7
10	Split washer M8 DIN127 A4	ZOA-01070		7

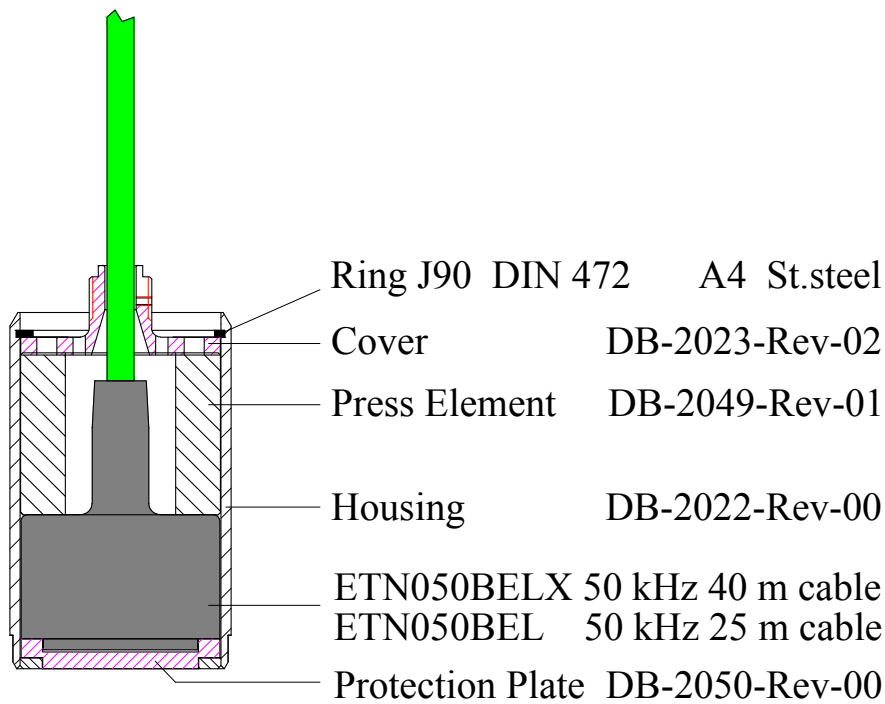
Transducer for gate valve SB-100 / DB-100

- ETN050G, TRANSDUCER TGM 60-50-25L, 25 m cable, with acc. for GV
- ETN050XG, TRANSDUCER TGM 60-50-40L, 40 m cable, with acc. for GV
- ETN200SG, TRANSDUCER TGM-50-200-25L, 25 m cable, with acc. for GV
- ETN200SXG, TRANSDUCER TGM-50-200-40L, 40 m cable, with acc. for GV



Item no	Description	Part number	Drawing number/info	Qty
1	Transducer 50 or 200 kHz for 100 mm gate valve		Factory installed	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1

- **ETN050GI, TRANSDUCER TGM 60-50-25L, 25 m cable,with acc. for ice GV**
- **ETN050XGI, TRANSDUCER TGM 60-50-40L, 40 m cable,with acc. for ice GV**



Transducers for sea valve ETNSLJB

- **ETN050BEL, TRANSDUCER TGM 60-50-25L, 25 m cable, No Acc. For ETNSLJB**
- **ETN050BELX, TRANSDUCER TGM 60-50-40L, 40 m cable, No Acc. For ETNSLJB**
- **ETN200FS, TRANSDUCER TGM-50-200-25L, 25 m cable, No acc. For ETNSLJB**
- **ETN200FSX, TRANSDUCER TGM-50-200-40L, 40 m cable, No acc. For ETNSLJBs**



ETN050BEL/ETN050BELX/ETN200FS/ETN200FSX

Item no	Description	Part number	Drawing number/ info	Qty
1	TRANSDUCER TGM 60-50-25L, 25 m cable, no accessories, for ETNSLJB	ETN050BEL	50 kHz, 25 m cable	1
1	TRANSDUCER TGM 60-50-40L, 40 m cable, no accessories, for ETNSLJB	ETN050BELX	50 kHz, 40 m cable	1
1	TRANSDUCER TGM-50-200-25L, 25 m cable, no accessories, for ETNSLJB	ETN200FS	200 kHz, 25 m cable	1
1	TRANSDUCER TGM-50-200-40L, 40 m cable, no accessories, for ETNSLJB	ETN200FSX	200 kHz, 40 m cable	1

Transducers for tank, aluminium, Combo

- **ETN050TA, TRANSDUCER 50 kHz, 25 m, w/a for ETNALC. TGM 60-50-25L**
- **ETN050XTA, TRANSDUCER 50 kHz, 40 m, w/a for ETNALC. TGM 60-50-40L**
- **ETN200STA, TRANSDUCER 200 kHz, 25 m, w/acc. for ETNALC. TGM 50-200-25L**
- **ETN200SXTA, TRANSDUCER 200 kHz, 40 m, w/acc. for ETNALC. TGM 50-200-40L**



ETN050TA, 50 kHz, 25 m

Item no	Description	Part number	Drawing number/ info	Qty
1	Installation kit for Alu combo tank	INSTKITALUC-SA	See page 17	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	Tank Combo Aluminium, Ring for ES transducer	TCA-2043		1
4	TRANSDUCER TGM 60-50-25L,25 m cable, No Acc., for ETNSLJB	ETN050BEL	25 m cable	1
5	Tank Combo Aluminium Press element for ES transducer	TCA-2044		1

ETN050XTA, 50 kHz, 40 m

Item no	Description	Part number	Drawing number/ info	Qty
1	Installation kit for Alu combo tank	INSTKITALUC-SA	See page 17	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	Tank Combo Aluminium, Ring for ES transducer	TCA-2043		1
4	TRANSDUCER TGM 60-50-40L, 40 m cable, No Acc, For ETNSLJB	ETN050BELX	40 m cable	1
5	Tank Combo Aluminium Press element for ES transducer	TCA-2044		1



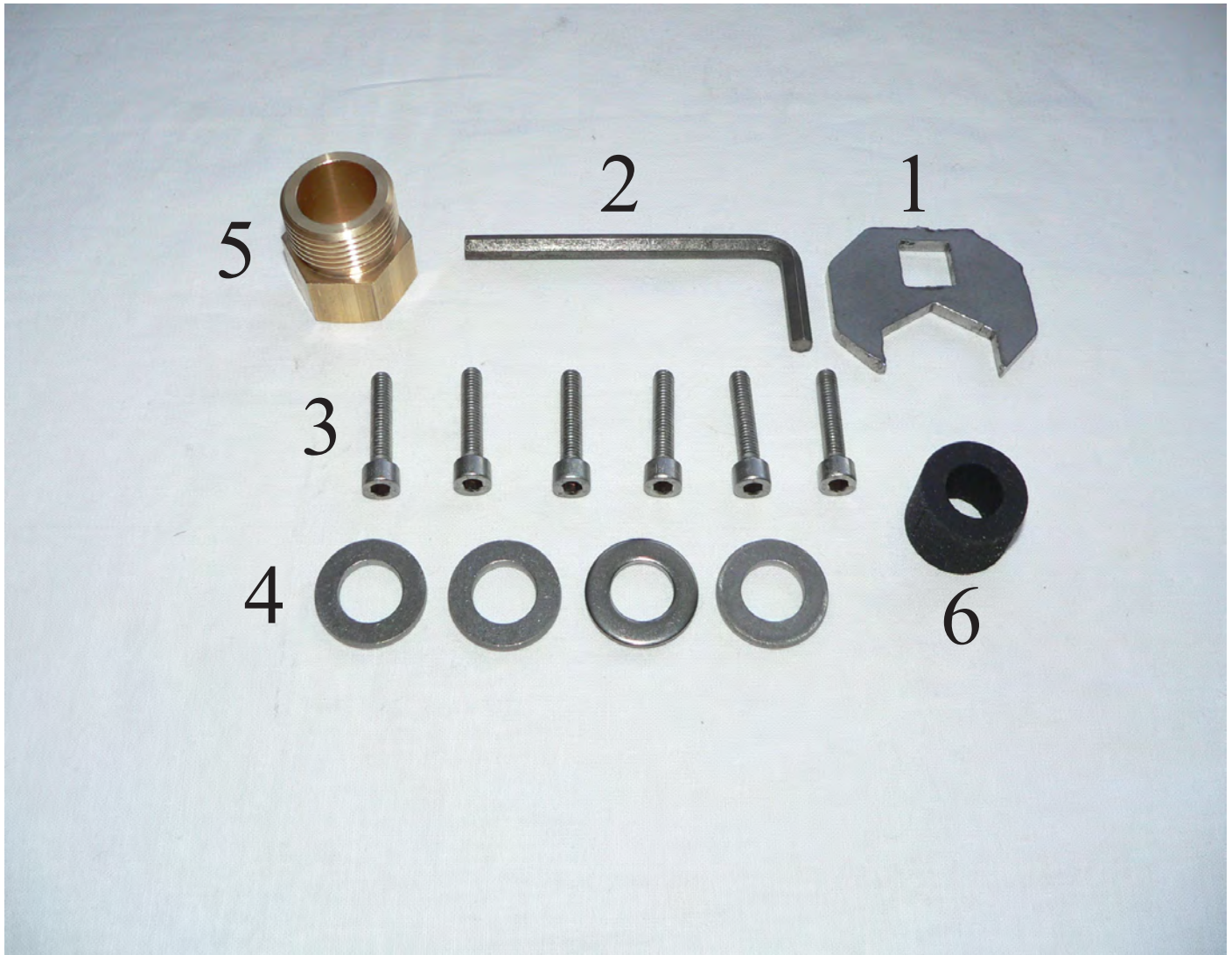
ETN200STA, 200 kHz, 25 m

Item no	Description	Part number	Drawing number/ info	Qty
1	Installation kit for Alu combo tank	INSTKITALUC-SA	See page 17	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	Tank Combo Aluminium, Ring for ES transducer	TCA-2043		1
4	TRANSDUCER TGM-50-200-25L, 25m cable No acc. For ETNSLJB	ETN200FS	25 m cable	1
5	Tank Combo Aluminium Press element for ES transducer	TCA-2044		1

ETN200SXTA, 200 kHz, 40 m

Item no	Description	Part number	Drawing number/ info	Qty
1	Installation kit for Alu combo tank	INSTKITALUC-SA	See page 17	1
2	TRANSDUCER CABLE, JUNCTION BOX 1151/ZWR	ZZL-01019		1
3	Tank Combo Aluminium, Ring for ES transducer	TCA-2043		1
4	TRANSDUCER TGM-50-200-40L, 40m cable, No acc. For ETNSLJB	ETN200FSX	40 m cable	1
5	Tank Combo Aluminium Press element for ES transducer	TCA-2044		1

INSTKITALUC-SA, 50/200 kHz INSTALLATION KIT FOR ALUMINIUM COMBO TANK



Item no	Description	Part number	Drawing number/info	Qty
1	Special wrench/tool TC-2012	ZOA-01005		1
2	Allen key 911/M5	ZOA-01057		1
3	Screw M5 x 25 mm DIN912 A4	ZOA-01082		6
4	Washer stainless DIN125/A-13/A2 M12	ZOA-01009		4
5	Bronze nut PG-Nipple TC-2013	ZOA-01017	TC-2013	1
6	Rubber gasket Ø23,5/12,5 x 15 mm SB-6029	ZOA-01008	SB-6029	1

Notes:

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