

OIL BUFFER OB TYPE

CHARACTERISTICS AND RANGE OF USE

Order number	Type	Rated speed (m/s)	Max. impact speed (m/s)	Impact mass Max. (kg)	Impact mass Min. (kg)	Stroke (mm)	Total height (mm)	Oil volume (l)	Weight with oil (kg)
655001G01	OB16	1.60	1.84	5300	700	175	625	1.7	28
655001G02	OB18	1.80	2.08	5300	700	230	765	2.1	32
655001G03	OB20	2.00	2.34	5300	700	290	915	2.6	36
655001G04	OB23	2.28	2.60	5300	700	350	1080	3.1	40
655001G05	OB25	2.50	2.88	5300	700	435	1300	3.7	47
655001G06	OB29	2.83	3.25	5300	700	550	1595	4.6	56
655001G07	OB31	3.15	3.62	5300	700	680	1920	5.6	65
655001G08	OB35	3.50	4.09	5300	1300	860	2365	7.1	77
655002G01	OB40	4.00	4.60	6600	1300	1112	3000	11.7	135

Note: 50% and 33% reduced stroke with approved terminal device.

The buffers can be used in the following range

Order number	Type	Max. Rated speed with stroke reduction (m/s)	
		50%	33%
655001G05	OB25	3.59	4.40
655001G06	OB29	4.03	4.49
655001G07	OB31	4.49	5.50
655001G08	OB35	5.05	6.18
655002G01	OB40	5.74	7.03

TSSA-ANSI, CHARACTERISTICS AND RANGE OF USE

Order number	Type	TSSA, ANSI				
		Max. nom. speed m/s [fpm]			Impact mass Kg	
		Buffer stroke			Min.	Max.
100%	50%	33%				
655001G02	OB18	1.8 [354]	-	-	1170	5307
655002G03	OB20	2.0 [400]	-	-	1300	5307
655001G05	OB25	2.5 [500]	3.57 [705]	-	1300	5307
655001G08	OB35	3.5 [700]	4.95 [985]	6.06 [1210]	1300	5307

CERTIFICATION

Order number	Type	Certifications				
		EN 81-20 EN 81-50	CHINA GB 7588	RUSSIA Customs Union	KTL	TSSA ANSI
655001G01	OB 16	X	-	X	-	-
655001G02	OB 18	X	-	X	*	X
655001G03	OB 20	X	-	X	-	X
655001G04	OB 23	X	-	-	-	-
655001G05	OB 25	X	X	X	*	X
655001G06	OB 29	X	X	X	*	-
655001G07	OB 31	X	-	X	*	-
655001G08	OB 35	X	-	X	*	X
655002G01	OB 40	X	-	X	*	-

X certified.

* certification only available on specific request.

- not certified.

OIL BUFFER CONFIGURATION AND ORDER ISTRUCTION

The oil buffers up to 655001G05 OB 25 are delivered standing vertically, all other are delivered horizontally packed with oil contained separately in cans.

Note: the oil buffers delivered filled of oil, during the transport and handling, MUST be keep vertical position to avoid oil leakage.

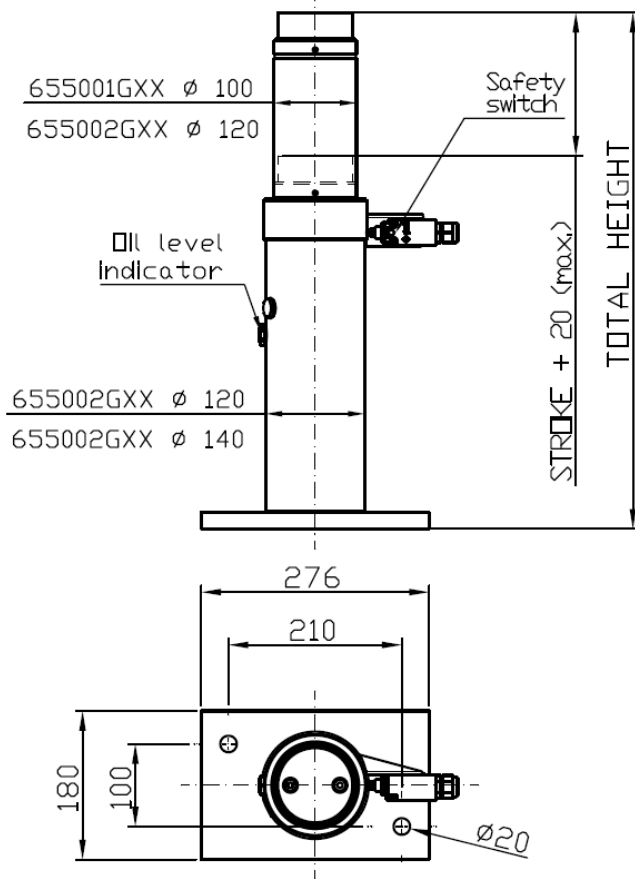
Oil: ISO VG GRADE 46, VI 104 minimum.

Order table

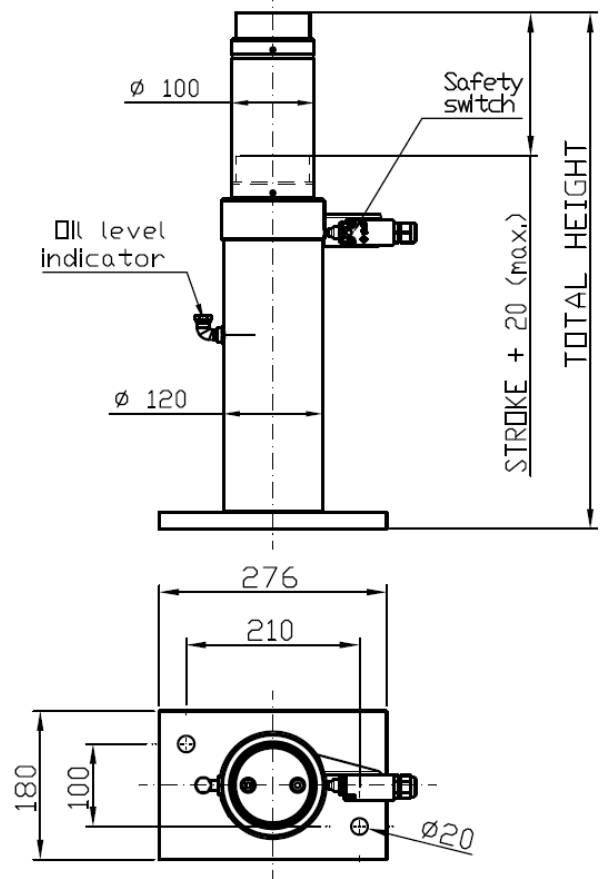
Order option	Order code / Comment	
Safety switch	ZA= 1	Included
	ZA= 0	Not included
Plastic protect. dust cover	DA=1	Included
	DA=0	Not included
Oil	LN=1	Included (supplied inside the oil buffer or separately in cans according to the size).
	LN=0	Not included
Cable for switch	655902G13	Cable and plug-in 8 m
	655902G23	Cable and plug-in 12 m
HALOGEN FREE cable for switch	655902G14	Halogen Free cable and plug-in 8 m
	655902G24	Halogen Free cable and plug-in 12 m
Wooden box ISPM 15	-	Specify in the order
Certification	See certification table	EN 81 20-50, GB 7588, Custom Union, KTL o TSSA-ANSI

DIMENSIONS

ACCORDING TO EN CODE



ACCORDIN TO ANSI CODE



HIGH SPEED OIL BUFFER OBH TYPE

CHARACTERISTICS AND RANGE OF USE

Order number	Type	Rated speed (m/s)	Max. impact speed (m/s)	Impact mass Max. (kg)	Impact mass Min. (kg)	Stroke (mm)	Total height (mm)	Oil volume (l)	Weight (with oil) (kg)
655004G10	OBH32	3.15	3.62	8000	2000	680	1700	8.6	98
655004G11	OBH35	3.56	4.09	8000	2000	860	2102	10.5	116
655004G01	OBH40	4.00	4.60	7600	1250	1112	2730	12.7	139
655004G08	OBH47	4.72	5.43	7600	1500	1504	3690	17	180
655004G03	OBH50	5.00	5.75	7600	1250	1740	4216	18.3	194
655004G04	OBH56	5.60	6.44	6500	1250	2110	5140	22.1	237

Note: 50% and 33% reduced stroke with approved terminal device.
The buffers can be used in the following range

Order number	Type	Rated speed (m/s) with stroke reduction	
		50%	33%
655004G10	OBH32	4.49	5.50
655004G11	OBH35	5.05	6.19
655004G01	OBH40	5.74	7.03
655004G08	OBH47	6.68	8.18
655004G03	OBH50	7.18	8.80
655004G04	OBH56	7.90	9.69

CERTIFICATION

Order number	Type	Certifications				
		EN 81-20 EN 81-50	CHINA GB 7588	RUSSIA Customs Union	KTL	ASME A17.1 CSA B44
655004G10	OBH 32	X	X	X	-	-
655004G11	OBH 35	X	X	X	-	-
655004G01	OBH 40	X	X (min 1600 kg)	X	*	-
655004G01	OBH 47	X	-	-	-	X
655004G03	OBH 50	X	X (min 1600 kg)	X	*	-
655004G04	OBH 56	X	X (min 2000 kg)	X	*	-

X certified.

* certification only available on specific request.

- not certified.

OIL BUFFER CONFIGURATION AND ORDER ISTRUCTION

The oil buffers are delivered horizontally with oil contained separately in cans.

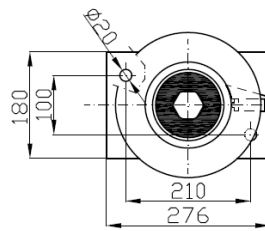
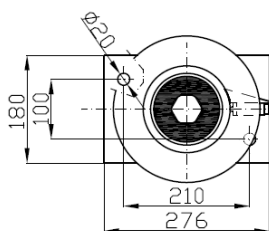
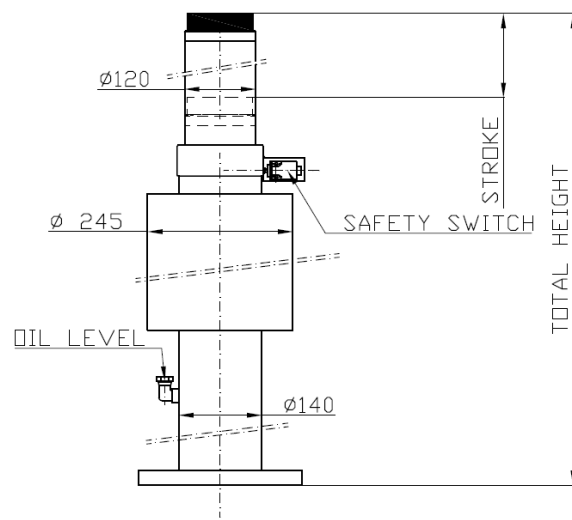
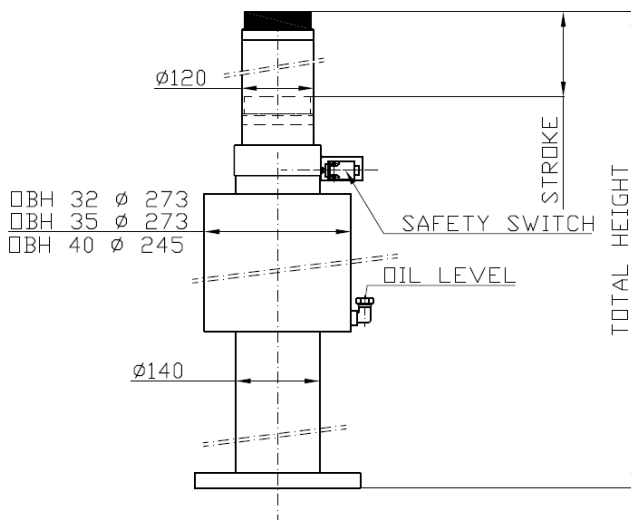
Oil: ISO VG GRADE 46, VI 104 minimum.

Order option	Order code / Comment	
Safety switch	ZA= 1	Included
	ZA= 0	Not included
Plastic protect. dust cover	DA=1	Included
	DA=0	Not included
Oil	LN=1	Included (Supplied separately in cans)
	LN=0	Not included
Cable for switch	655902G13	Cable and plug-in 8 m
	655902G23	Cable and plug-in 12 m
HALOGEN FREE cable for switch	655902G14	Halogen Free cable and plug-in 8 m
	655902G24	Halogen Free cable and plug-in 12 m
Wooden box ISPM 15	-	Specify in the order
Certification	See certification table	EN 81 20-50, GB 7588, Custom Union, KTL o TSSA-ANSI

DIMENSIONS

OBH 32
OBH 35
OBH 40

OBH 50
OBH 56
OBH 47



OIL BUFFER INSTALLATION

This paragraph shows some useful informations for the installation of Hydronic Lift oil buffers,



NOTE: Remove the plastic film or the plastic bag that protect the ram during the shipment before installing the buffer.

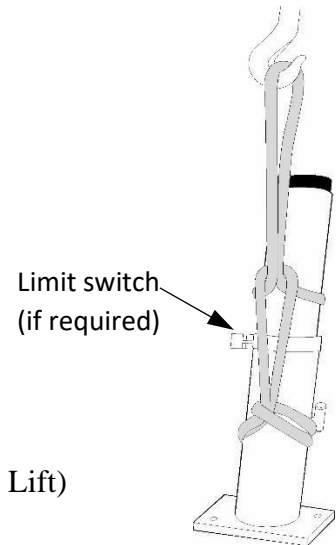
During the compression of the buffer the actuator pin and the safety switch must be always installed to prevent oil leakage.

1. BUFFER LIFTING

Use a textile rope for lifting so that the piston surface does not get damaged.

Place the textile rope so that the limit switch (bracket or switch) does not get broken during the lifting..

NOTE: Some oil buffers are shipped in vertical position and filled with oil; during the transport and handling, the oil buffer must keep in vertical position to avoid oil leakage.



2. WORKING CONDITION

Temperature: -5/45°C; (For different Temperature range ask to Hydronic Lift)

Humidity: less than 95%

Medium has no explosion risk, no risk of corroding metal and destroying insulation

Pit is clean and no ponding.

3. LIFE TIME

The life of the unit is assessed only on "condition monitoring" practice.

As an example, the replacement of the units will be made if:

- during planned checks, if presence of corroded metal parts are noted
- Following occasional events that may have compromised the integrity and functionality of some components of the hydraulic damper, such as flooding of the pit or a fire..

4. ALIGNEMENT OF THE BUFFER

Check that the buffer is plumb. The deviation of the piston from the plumb line can be maximum 1 mm /1 m stroke (0.33 Inch / 39 Inch stroke).



Before putting on service the oil buffer, check the oil level in the following way:

- minimum level through the minimum visual oil level
- maximum level by opening the max. oil level plug discharging the excess oil.

During oil buffer functional test, at nominal impact speed, a small oil leakage is admitted from the air venting ports.

Always check buffer's oil level, after performance at nominal impact speed test.

Oil buffers are safety components to prevent damages during impacts at elevator nominal working conditions.

If during lift installation or maintenance oil buffers are compressed, please allow a suitable time (10/15 minutes) elapse between two following strokes.

5. OIL FILLING

Use mineral oil ISO VG GRADE 46, VI 104 min.

5.1. OB serie

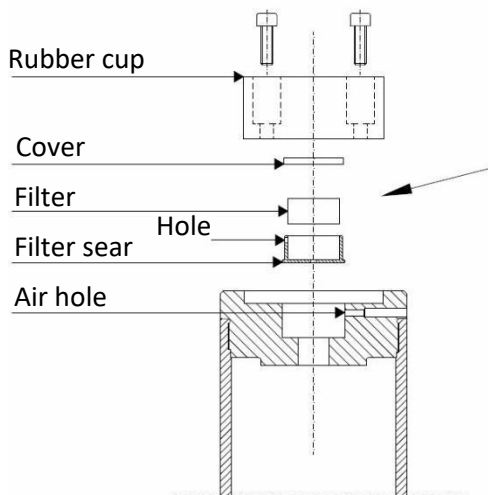
(*) The buffer up to 655001G05 are filled with oil. In any case, oil filling could be necessary for maintenance operations.

The buffers 655001G06 and above are delivered empty and they must be filled with oil before operating.

Oil filling of the OB type buffers made according to EN Code:

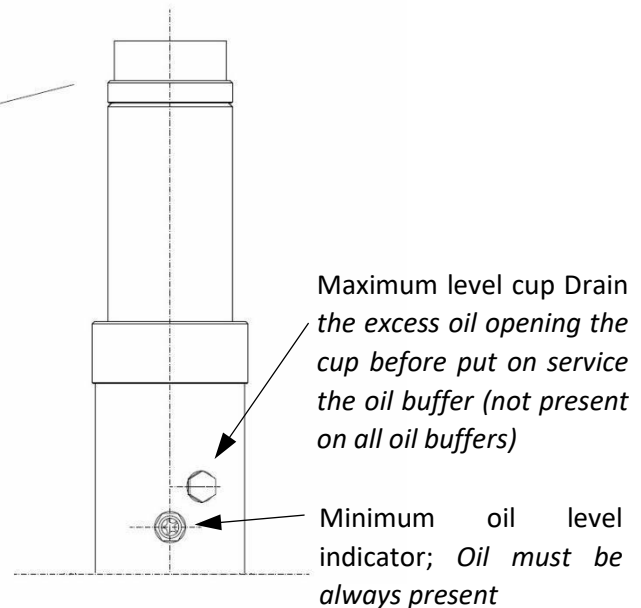
1. Disassemble the piston top..
2. Fill in oil to the buffer from the piston top according to the quantity given in the chart,when filling is almost complete, last 0.5 liters, pour slowly while keep on checking the oil level through the glass indicator on the cylinder. **DO NOT OVERFILL!**
3. Install the piston top parts and let the buffer rest. In the meantime, if possible, compress the piston (piston compressed 40...50 mm) then release slowly.
4. Check the oil level looking through the oil level on cylinder after 10 minutes..
5. for the unit with maximum oil level cup, remove the cup and the extra oil will go out from the maximum level hole on the side of the buffer..

<i>Buffer code</i>	<i>Litres</i>	<i>Gallons</i>
655001G01 (*)	1.7	0.45
655001G02 (*)	2.1	0.56
655001G03 (*)	2.6	0.69
655001G04 (*)	3.1	0.82
655001G05 (*)	3.7	0.98
655001G06	4.6	1.22
655001G07	5.6	1.48
655001G08	7.1	1.88
655002G01	11.7	3.10



NOTE: Make sure that the hole in the filter seat is on the opposite side of the air hole in the ram cup when assembly.

OB



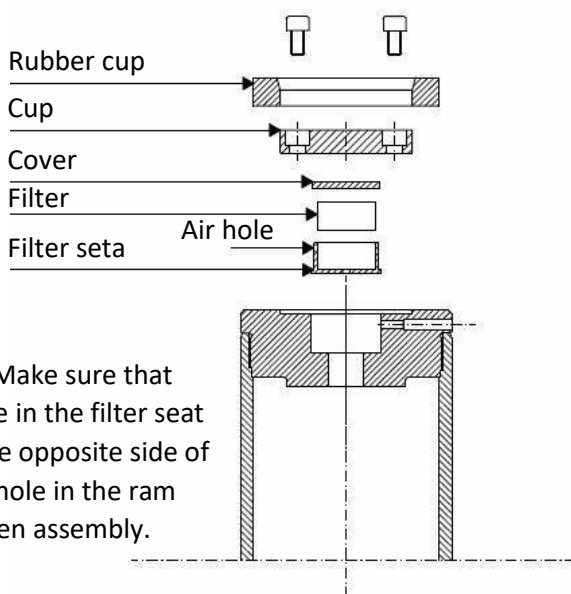
Buffers made according to ANSI: see OBH 32-35

5.1. OBH serie

OBH buffers are delivered empty and they must be filled with oil before operating.

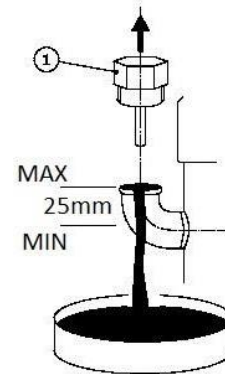
1. Disassemble the piston top.
2. Fill in oil to the buffer from the piston top according to the quantity in the table + approx. 0.2...0.3 litres (0.420.63 PINTS) extra oil.
3. Install the piston top parts and let the buffer rest. In the meantime, if possible, compress the piston (piston compressed 40...50 mm - 1.52.0 INCHES) then release slowly.
4. Place a recovery tank under the inspection cup, open the screw cover and let excessive oil flow out.

OBH 32-35

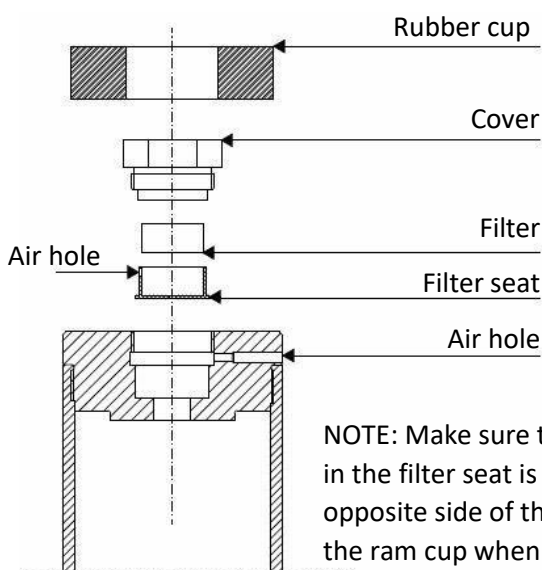


NOTE: Make sure that the hole in the filter seat is on the opposite side of the air hole in the ram cup when assembly.

Buffer code	Litres	Gallons
655004G10	8.6	2.27
655004G11	10.5	2.77

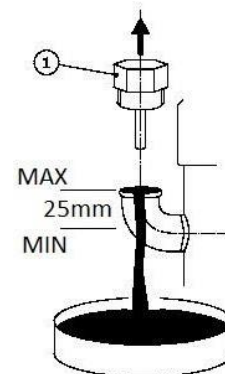


OBH 40-56



NOTE: Make sure that the hole in the filter seat is on the opposite side of the air hole in the ram cup when assembly.

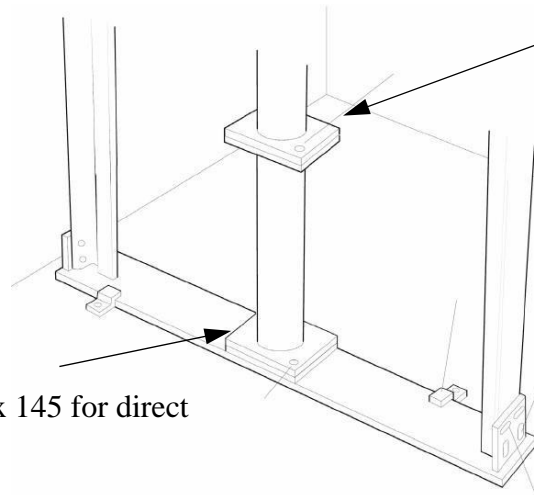
Buffer code	Litres	Gallons
655004G01	12.7	3.36
655004G03	18.3	4.84
655004G04	22.8	6.03
655004G07	18	4.76



6. FIXING DETAILS

Base plate fastening

Nr. 2 screw M 16 or
Nr. 2 anchor bolt M 16 x 145 for direct
fastening to the pit



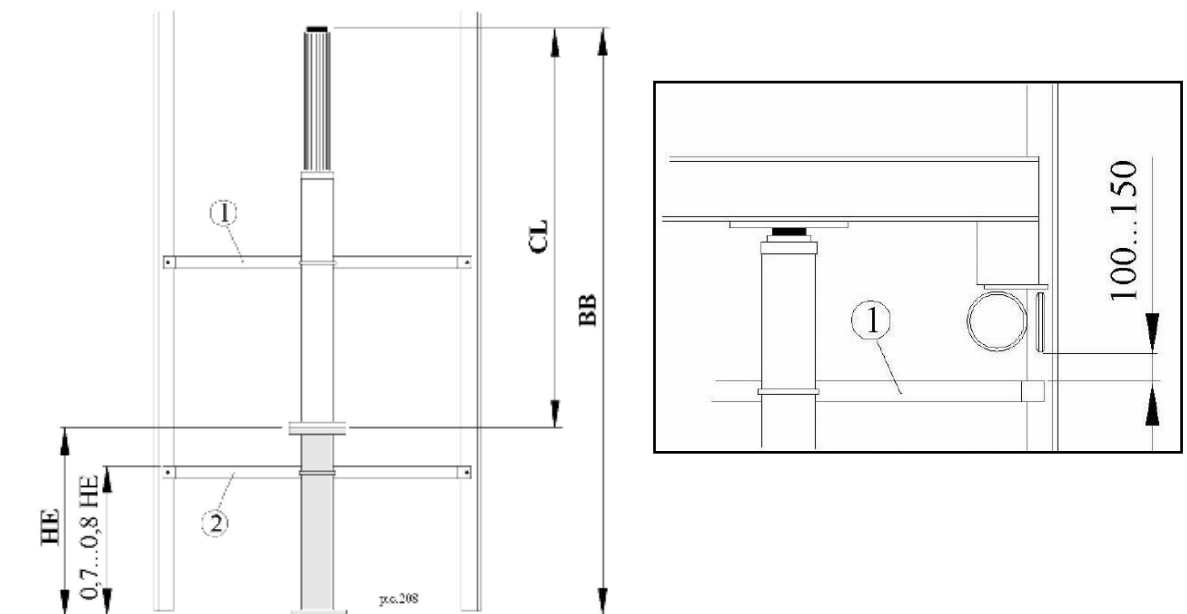
With buffer extension
Nr. 2 screw M 16

Supports

The supports are installed according to the table and drawing.

The clearance between the support (1) and the car must be 100...150 mm when the car is standing on the compressed buffer. The buffer and the extension are fastened with steel clamps to the support

CL	HE	BB	support (1)	support (2)
< 2000	-	< 2000	-	-
≥ 2000	-	≥ 2000	X	-
< 2000	< 2000	≥ 2000	X	-
≥ 2000	< 200	< 4000	X	-
< 2000	≥ 2000	< 4000	-	X
≥ 2000	≥ 2000	≥ 4000	X	X
< 2000	≥ 2000	≥ 4000	X	X



HIGH SPEED OIL BUFFER OBH 58 TYPE

CHARACTERISTICS AND RANGE OF USE

Order number	Type	Rated speed (m/s)	Max. impact speed (m/s)	Impact mass Max. (kg)	Impact mass Min. (kg)	Stroke (mm)	Total height (mm)	Oil volume (l)	Weight (with oil) (kg)
655004G05	OBH 58	5.8	6.67	9600	2350	2270	5683	35.5	388

Note: 50% and 33% reduced stroke with approved terminal device.

The buffers can be used in the following range

Order number	Type	Rated speed (m/s) with stroke reduction	
		50%	33%
655004G05	OBH58	8.21	10.05

CERTIFICATION

Order number	Type	Certifications		
		EN 81-20 EN 81-50	CHINA GB 7588	RUSSIA Customs Union
655004G05	OBH58	X	X	X

X certified.

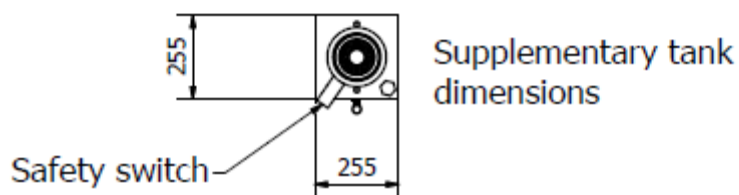
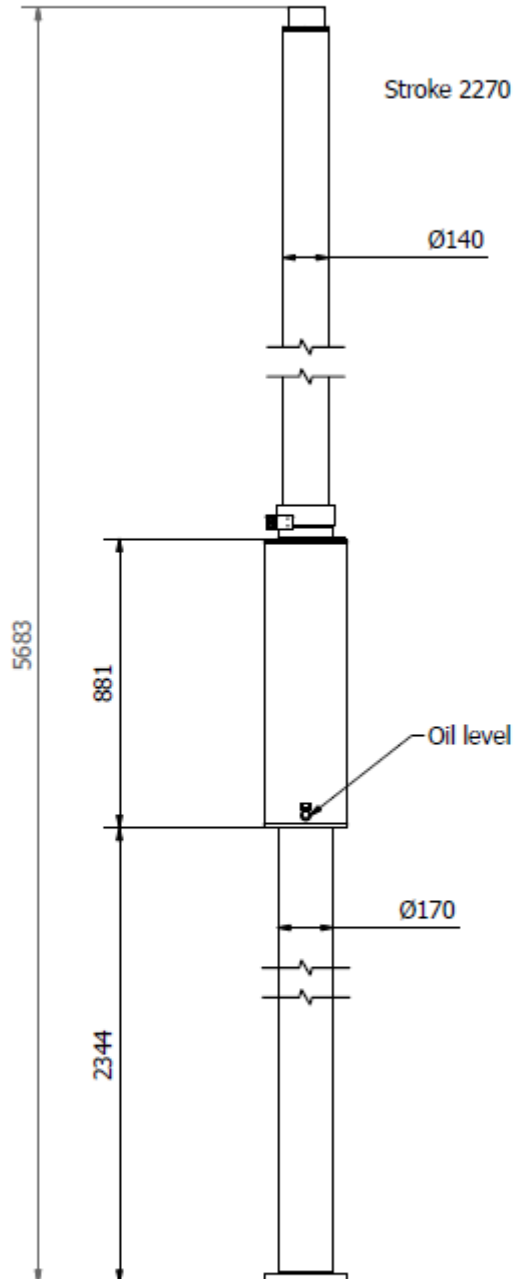
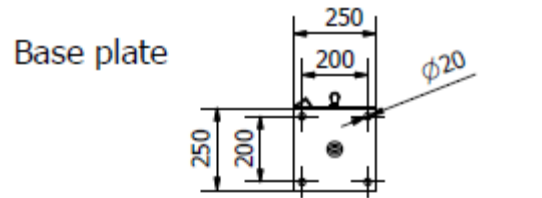
OIL BUFFER CONFIGURATION AND ORDER ISTRUCTION

The oil buffer is delivered horizontally with oil contained separately in cans.

Oil: ISO VG GRADE 46, VI 104 minimum.

Order option	Order code / Comment	
Safety switch	ZA= 1	Included
	ZA= 0	Not included
Plastic protect. dust cover	DA=1	Included
	DA=0	Not included
Oil	LN=1	Included (Supplied separately in cans)
	LN=0	No included
Cable for switch	655902G13	Cable and plug-in 8 m
	655902G23	Cable and plug-in 12 m
HALOGEN FREE cable for switch	655902G14	Halogen Free cable and plug-in 8 m
	655902G24	Halogen Free cable and plug-in 12 m
Wooden box ISPM 15	-	Specify in the order
Certification	See certification table	EN 81 20-50, GB 7588, Custom Union

DIMENSIONS



OIL BUFFER OBL 16

CHARACTERISTICS AND RANGE OF USE

Order number	Type	Rated speed (m/s)	Max. impact speed (m/s)	Impact mass Max. (kg)	Impact mass Min. (kg)	Stroke (mm)	Total height (mm)	Oil volume (l)	Weight (with oil) (kg)
655000G01	OBL16	1.6	1.84	2500	400	180	525	1.52	15

CERTIFICATION

Order number	Type	Certifications	
		EN 81-20 EN 81-50	RUSSIA Customs Union
655000G01	OBL16	X	X

X certified.

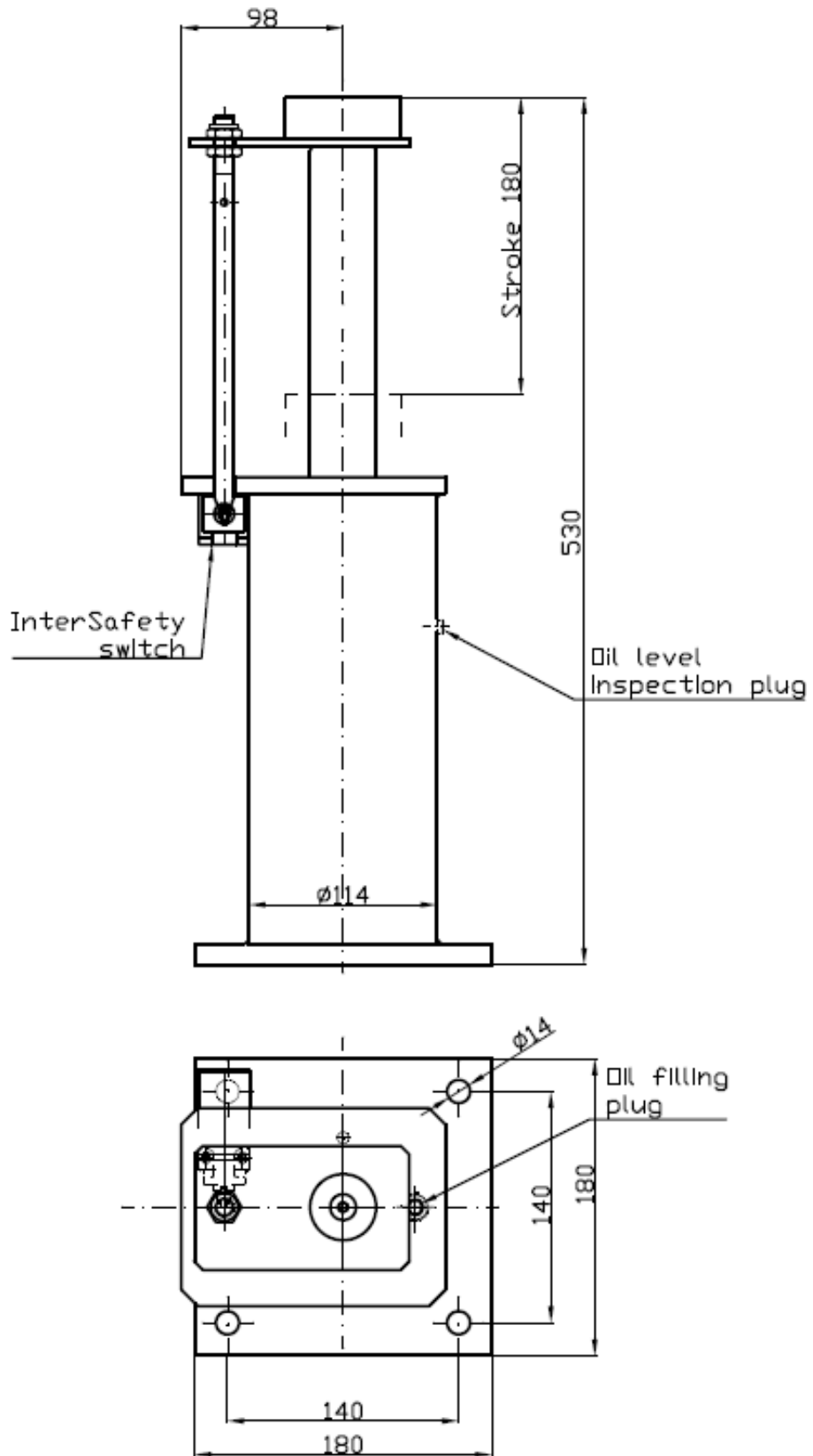
OIL BUFFER CONFIGURATION AND ORDER ISTRUCTION

The oil buffers are delivered standing vertically and compressed, if the buffers are filled of oil, during the transport and handling, the oil buffers **MUST** keep in vertical position to avoid oil leakage.

Oil: ISO VG GRADE 46, VI 104 minimum.

Order option	Order code / Comment	
Safety switch	ZA= 1	Included
	ZA= 0	Not included
Plastic protect. dust cover	DA=1	Included
	DA=0	Not included
Oil	LN=1	Included (inside the oil buffer)
	LN=0	Not included
Cable for switch	655902G13-2	Cable and plug-in 8 m
	655902G23-2	Cable and plug-in 12 m
HALOGEN FREE cable for switch	655902G14-2	Halogen Free cable and plug-in 8 m
	655902G24-2	Halogen Free cable and plug-in 12 m
Wooden box ISPM 15	-	Specify in the order
Certification	See certification table	EN 81 20-50, Custom Union

DIMENSIONS

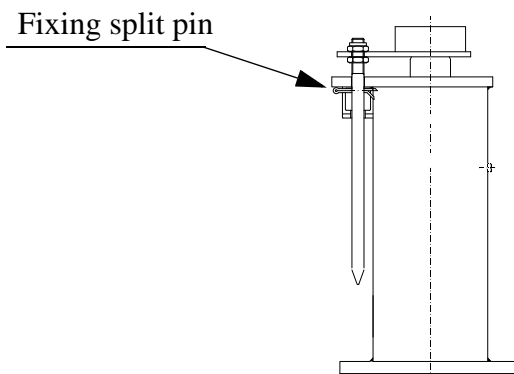


OIL BUFFER INSTALLATION

This paragraph shows some usefull informations for the installation of Hydronic Lift oil buffers type OBL.

1 OIL BUFFER SHIPMENT

The oil buffer OBL are shipped in compressed position.

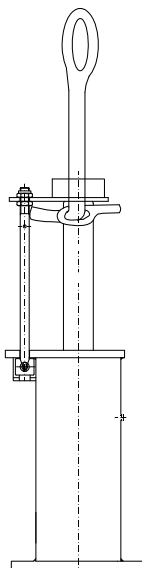


For the extention of the oil buffer remove the split pin, **pay attention to the upper movement of the oil buffer ram.**

NOTE: during the transport and handling, the oil buffer **MUST** keep vertical position to avoid oil leakage.

2 OIL BUFFERS LIFTING

Use a textile rope for lifting so the oil buffer surface does not get damaged. Hook up the buffer as showed in the picture.



Pay attention during the handling to avoide damages of safety switch

3 FILLING AND CHECKING OF OIL LEVEL

Oil buffers OBL 16 are supplied filled with oil.

In the case of filling or checking of the oil level, proceed in the following way:

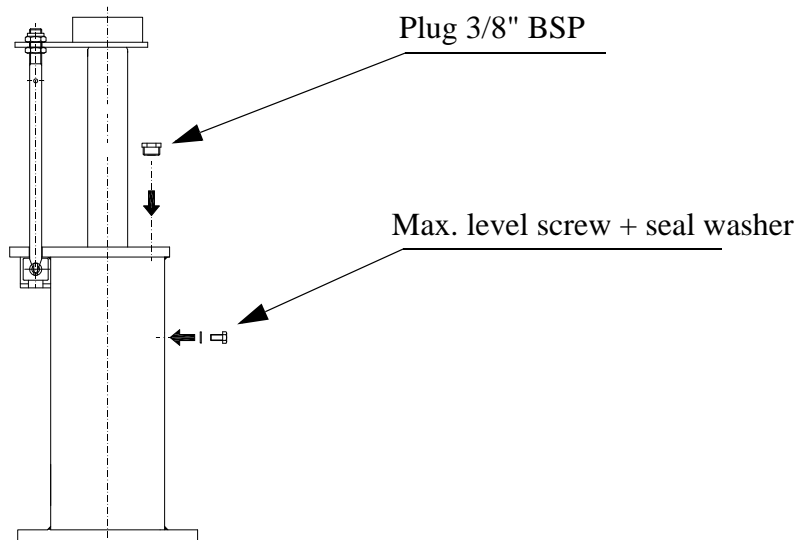
USE OIL ISO VG 46 MINIMUM VISCOSITY INDEX 104

Complete filling of the oil buffer:

- Remove the 3/8" plug from the head of the buffer.
- Provide to dry the oil leakage from the hole of the max. level screw.
- From the 3/8" hole, fill the buffer with 1,52 liters of oil and with one more small quantity of about 0,05 liters.
- Wait some minutes in order to fill all the buffer chambers with oil.
- Remove the max. level screw and the seal washer from the side of the buffer.
- The extra oil will go out from the maximum level hole on the side of the buffer.
- Mount the 3/8" plug and the max. level screw complete with the seal washer.

Filling and checking of oil level

- Remove the 3/8" plug from the head of the buffer.
- Provide to dry the oil leakage from the hole of the max. level screw.
- From the 3/8" hole, add in the buffer a small quantity of oil.
- Remove the max. level screw and the seal washer from the side of the buffer.
- The extra oil will go out from the maximum level hole on the side of the buffer.
- Mount the 3/8" plug and the max. level screw complete with the seal washer.



4 ALIGNEMENT OF THE OIL BUFFER

Check that the oil buffer is plumb; the deviation of the buffer from the plumb line can be maximum 1mm.

5 WORKING CONDITION

Temperature: -5/45°C; (For different Temperature range ask to Hydronic Lift)

Humidity: less than 95%

Medium has no explosion risk, no risk of corroding metal and destroying insulation

Pit is clean and no ponding.

6 LIFE TIME

The life of the unit is assessed only on "condition monitoring" practice.

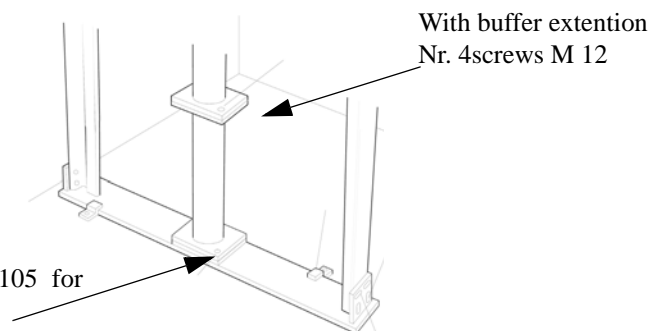
As an example, the replacement of the units will be made if:

- during planned checks, if presence of corroded metal parts are noted
- Following occasional events that may have compromised the integrity and functionality of some components of the hydraulic damper, such as flooding of the pit or a fire.

7 FIXING DETAILS

Base plate fastening

Nr. 4screws M 12 or
 Nr. 4anchor bolt M 12 x 105 for
 direct fastening to the pit



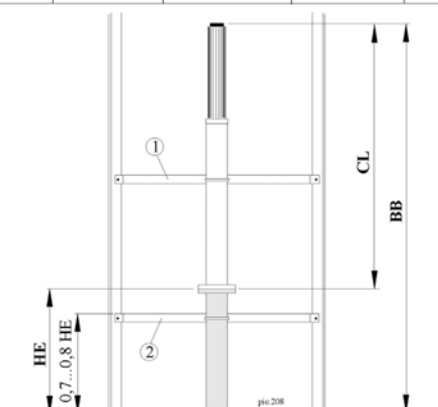
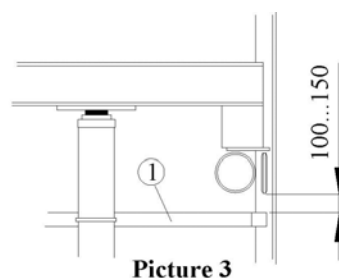
Supports

The supports are installed according to the table and drawing

The clearance between the support (1) and the car must be 100...150 mm when the car is standing on the compressed buffer (see picture 3)

The buffer and the extension are fastened with steel clamps to the support

CL	HE	BB	support (1)	support (2)
< 2000	-	< 2000	-	-
≥ 2000	-	≥ 2000	X	-
< 2000	≥ 2000	< 2000	X	-
≥ 2000	≥ 200	≥ 4000	X	-
< 2000	≥ 2000	≥ 4000	-	X
≥ 2000	≥ 2000	≥ 4000	X	X
< 2000	≥ 2000	≥ 4000	X	X



OIL BUFFER OBA TYPE

CHARACTERISTICS AND RANGE OF USE

Order number	Type	Rated speed (m/s)	Max. impact speed (m/s)	Impact mass Max. (kg)	Impact mass Min. (kg)	Stroke (mm)	Total height (mm)	Oil volume (l)	Weight (with oil) (kg)
655000G50	OBA16	1.60	1.84	3500	450	180	525	1.42	15.5
655000G51	OBA18	1.75	2.01	3500	450	210	600	1.65	17.5
655000G52	OBA20	2.00	2.30	3500	450	286	775	2.20	21.5

CERTIFICATION

Order number	Type	Certifications	
		EN 81-20 EN 81-50	RUSSIA Customs Union
655000G50	OBA16	X	X
655000G51	OBA18	X	X
655000G52	OBA20	X	X

X certified.

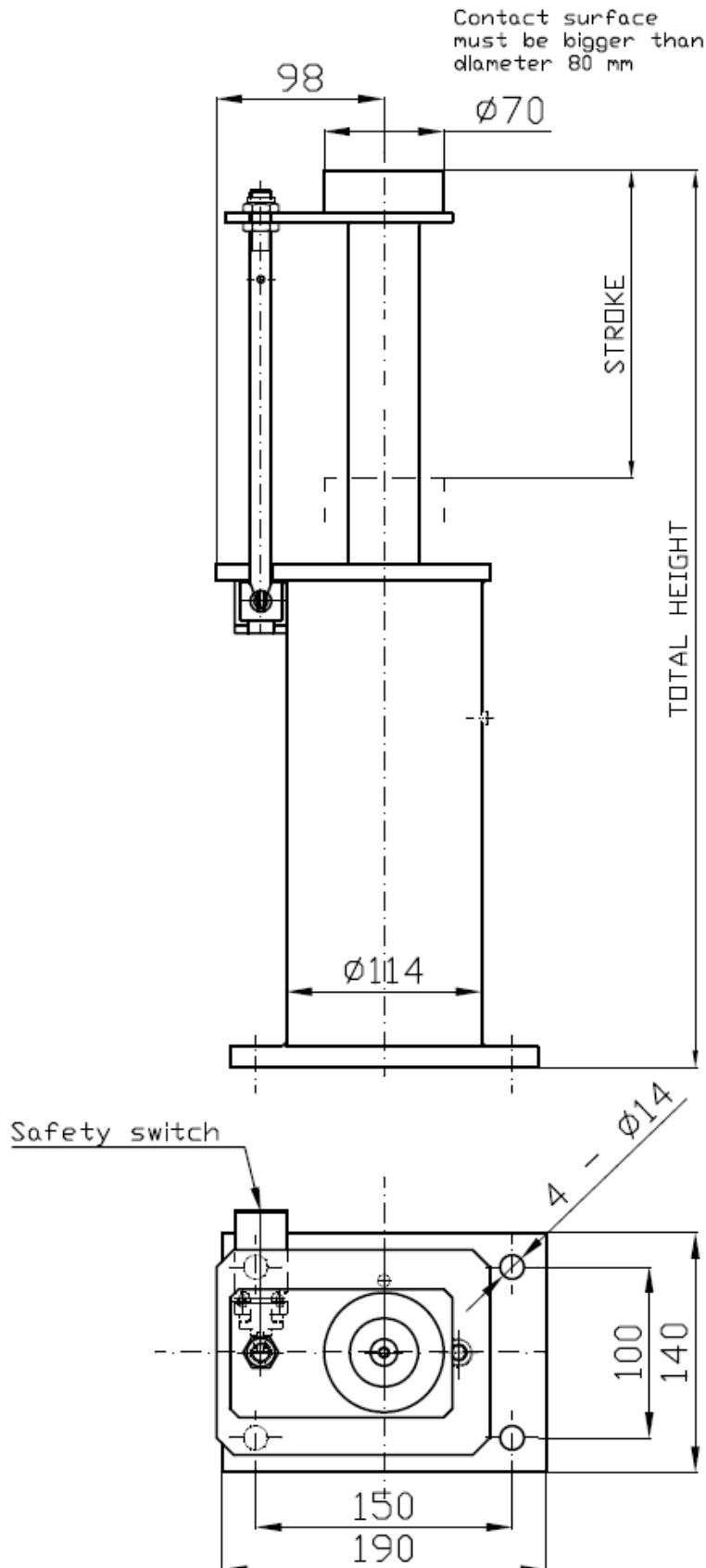
OIL BUFFER CONFIGURATION AND ORDER ISTRUCTION

The oil buffers are delivered standing vertically and compressed, if the buffers are filled of oil, during the transport and handling, the oil buffers MUST keep in vertical position to avoid oil leakage.

Oil: ISO VG GRADE 46, VI 104 minimum.

Order option	Order code / Comment	
Safety switch	ZA= 1	Included
	ZA= 0	Not included
Plastic protect. dust cover	DA=1	included
	DA=0	Not included
Oil	LN=1	Included (inside the oil buffer)
	LN=0	No included
Cable for switch	655902G13-3	Cable and plug-in 8 m
	655902G23-3	Cable and plug-in 12 m
HALOGEN FREE cable for switch	655902G14-3	Halogen Free cable and plug-in 8 m
	655902G24-3	Halogen Free cable and plug-in 12 m
Wooden box ISPM 15	-	Specify in the orde
Certification	See certification table	EN 81 20-50, Custom Union

DIMENSIONS

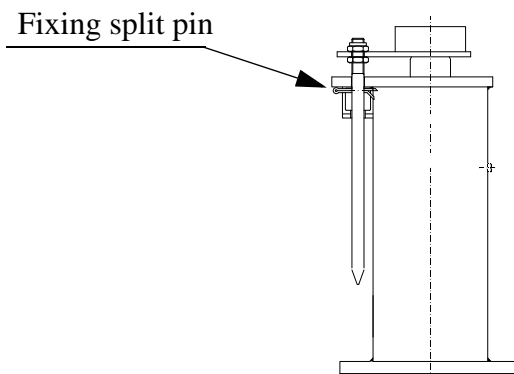


OIL BUFFER INSTALLATION

This paragraph shows some usefull informations for the installation of Hydronic Lift oil buffers type OBA.

1 OIL BUFFER SHIPMENT

The oil buffer OBL are shipped in compressed position.

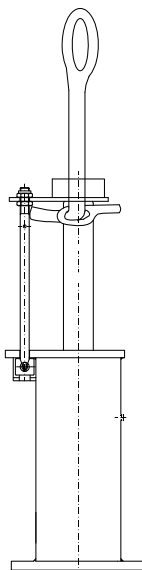


For the extention of the oil buffer remove the split pin, **pay attention to the upper movement of the oil buffer ram.**

NOTE: during the transport and handling, the oil buffer **MUST** keep vertical position to avoid oil leakage.

2 OIL BUFFERS LIFTING

Use a textile rope for lifting so the oil buffer surface does not get damaged. Hook up the buffer as showed in the picture.



Pay attention during the handling to avoide damages of safety switch

3 FILLING AND CHECKING OF OIL LEVEL

Oil buffers OBA are supplied filled with oil.

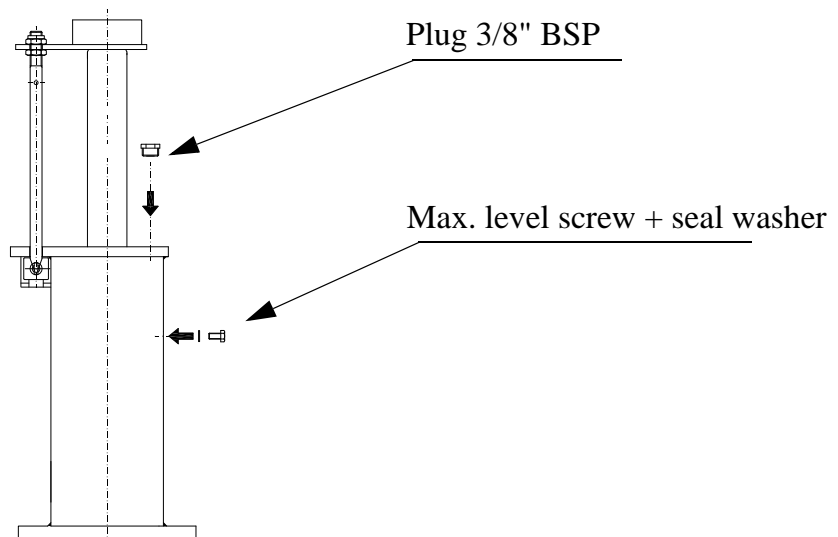
In the case of filling or checking of the oil level, proceed in the following way using OIL ISO VG 46 MINIMUM VISCOSITY INDEX 104

Complete filling of the oil buffer:

- Remove the 3/8" plug from the head of the buffer.
- Provide to dry the oil leakage from the hole of the max. level screw.
- From the 3/8" hole, fill the buffer with the quantity of oil showed in the table and with one more small quantity of about 0,05 liters.
- Wait some minutes in order to fill all the buffer chambers with oil.
- Remove the max. level screw and the seal washer from the side of the buffer.
- The extra oil will go out from the maximum level hole on the side of the buffer.
- Mount the 3/8" plug and the max. level screw complete with the seal washer.

Filling and checking of oil level

- Remove the 3/8" plug from the head of the buffer.
- Provide to dry the oil leakage from the hole of the max. level screw.
- From the 3/8" hole, add in the buffer a small quantity of oil.
- Remove the max. level screw and the seal washer from the side of the buffer.
- The extra oil will go out from the maximum level hole on the side of the buffer.
- Mount the 3/8" plug and the max. level screw complete with the seal washer.



	OBA 16	OBA 18	OBA 20
OIL QUANTITY	1.42 liters	1.65 liters	2.2 liters

4 ALIGNEMENT OF THE OIL BUFFER

Check that the oil buffer is plumb; the deviation of the buffer from the plumb line can be maximum 1mm.

5 WORKING CONDITION

Temperature: -5/45°C; (For different Temperature range ask to Hydronic Lift)

Humidity: less than 95%

Medium has no explosion risk, no risk of corroding metal and destroying insulation

Pit is clean and no ponding.

6 LIFE TIME

The life of the unit is assessed only on "condition monitoring" practice.

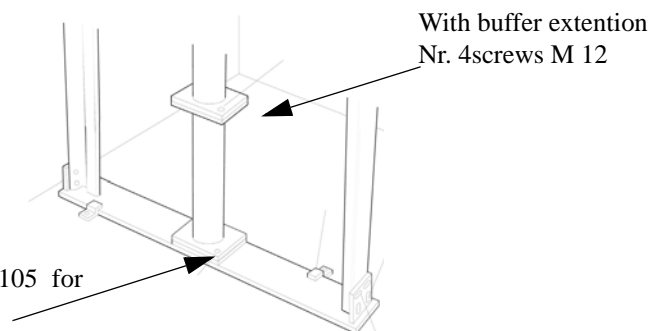
As an example, the replacement of the units will be made if:

- during planned checks, if presence of corroded metal parts are noted
- Following occasional events that may have compromised the integrity and functionality of some components of the hydraulic damper, such as flooding of the pit or a fire.

7 FIXING DETAILS

Base plate fastening

Nr. 4screws M 12 or
 Nr. 4anchor bolt M 12 x 105 for
 direct fastening to the pit



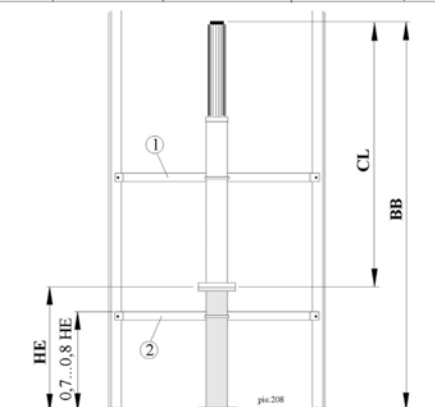
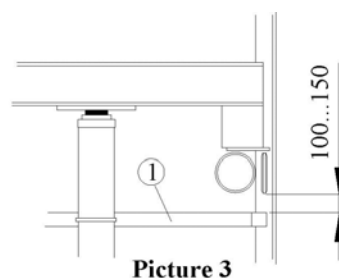
Supports

The supports are installed according to the table and drawing

The clearance between the support (1) and the car must be 100...150 mm when the car is standing on the compressed buffer (see picture 3)

The buffer and the extension are fastened with steel clamps to the support

CL	HE	BB	support (1)	support (2)
< 2000	-	< 2000	-	-
≥ 2000	-	≥ 2000	X	-
< 2000	≥ 2000	< 2000	X	-
≥ 2000	≥ 200	≥ 4000	X	-
< 2000	≥ 2000	≥ 4000	-	X
≥ 2000	≥ 2000	≥ 4000	X	X
< 2000	≥ 2000	≥ 4000	X	X



OIL BUFFER OBF 17

CHARACTERISTICS AND RANGE OF USE

Order number	Type	Rated speed (m/s)	Max. impact speed (m/s)	Impact mass Max. (kg)	Impact mass Min. (kg)	Stroke (mm)	Total height (mm)	Oil volume (l)	Weight (with oil) (kg)
655000G80	OBF17	1.75	2.01	2500	250	207	530	1.3	10

CERTIFICATION

Order number	Type	Certifications	
		EN 81-20 EN 81-50	RUSSIA Customs Union
655000G80	OBF17	X	X

X Certified.

OIL BUFFER CONFIGURATION AND ORDER ISTRUCTION

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Safety switch	ZA= 1	Included
	ZA= 0	Not included
Plastic protect. dust cover	DA=1	included
	DA=0	Not included
Oil	LN=1	Included (inside the oil buffer)
	LN=0	No included
Cable for switch	655902G13-4	Cable and plug-in 8 m
	655902G23-4	Cable and plug-in 12 m
HALOGEN FREE cable for switch	655902G14-4	Halogen Free cable and plug-in 8 m
	655902G24-4	Halogen Free cable and plug-in 12 m
Wooden box ISPM 15	-	Specify in the orde
Certification	See certification table	EN 81 20-50, Custom Union

DIMENSIONS

