

RIGHTANGLE WORM GEARBOXES

The units from 030 to 085 are supplied with synthetic oil, providing "long life" lubrication.
For mounting position V5 - V6 please contact us.

The unit 110 is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.

The table hereafter must be referred to as for the mounting position pattern and the corresponding oil plugs, if applicable, and related lubricant quantity. These quantity are only indicative; to ensure correct filling, always refer to the centreline of the sight glass. In some cases, discrepancies, occasionally also substantial, versus the oil quantities listed in the chart may be noticed.

RIGHTANGLE HELICAL GEARBOXES

The units from P45 to P85 are supplied with synthetic oil, providing "long life" lubrication.
For mounting position V5 - V6 please contact us.

P45 and P50 gearboxes are supplied only with common lubrication.

The unit P10 (110) is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.

The table hereafter must be referred to as for the mounting position pattern and the corresponding oil plugs, if applicable, and related lubricant quantity. These quantity are only indicative; to ensure correct filling, always refer to the centreline of the sight glass. In some cases, discrepancies, occasionally also substantial, versus the oil quantities listed in the chart may be noticed.

RIGHTANGLE DOUBLE WORMBOXES

The units from 303 to 854 are supplied with synthetic oil, providing "long life" lubrication.
For mounting position V5 - V6 please contact us.

In the unit 115 (110+050), the 110 is supplied without lubricant and equipped with a breather, level and drain plugs.
User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.

The table hereafter must be referred to as for the mounting position pattern and the corresponding oil plugs, if applicable, and related lubricant quantity. These quantity are only indicative; to ensure correct filling, always refer to the centreline of the sight glass. In some cases, discrepancies, occasionally also substantial, versus the oil quantities listed in the chart may be noticed.

RIGHTANGLE RIDUTTORI A VITE SENZA FINE

I riduttori dal 030 al 085 sono forniti con lubrificazione a vita con olio sintetico.
Per posizioni V5 - V6 contattare il nostro servizio tecnico.

Il riduttore 110 è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti.
Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.

Nelle tabelle seguenti vengono rappresentate le posizioni di montaggio, la disposizione dei tappi olio e le relative quantità.

Le quantità di lubrificante sono indicative; per avere il corretto quantitativo di lubrificante si dovrà dare attinenza esclusivamente alla mezzeria del tappo livello o allo sfioramento del foro del tappo, quando presenti. Tenendo in considerazione quanto appena sostenuto la quantità di lubrificante indicata in tabella può presentare delle differenze, occasionalmente anche rilevanti.

RIGHTANGLE RIDUTTORI CON PRECOPPIA

I riduttori dal P45 al P85 sono forniti con lubrificazione a vita con olio sintetico.
Per posizioni V5 - V6 contattare il nostro servizio tecnico.

I riduttori P45 e P50 sono forniti soltanto con lubrificazione comune.

Il riduttore P10 (110) è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti.
Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.

Nelle tabelle seguenti vengono rappresentate le posizioni di montaggio, la disposizione dei tappi olio e le relative quantità.

Le quantità di lubrificante sono indicative; per avere il corretto quantitativo di lubrificante si dovrà dare attinenza esclusivamente alla mezzeria del tappo livello o allo sfioramento del foro del tappo, quando presenti. Tenendo in considerazione quanto appena sostenuto la quantità di lubrificante indicata in tabella può presentare delle differenze, occasionalmente anche rilevanti.

RIGHTANGLE RIDUTTORI COMBINATI

I riduttori dal 303 al 854 sono forniti con lubrificazione a vita con olio sintetico.
Per posizioni V5 - V6 contattare il nostro servizio tecnico.

Nel riduttore 115 (110+050), il 110 è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti.
Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.

Nelle tabelle seguenti vengono rappresentate le posizioni di montaggio, la disposizione dei tappi olio e le relative quantità.

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OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

SYNTHETIC OIL	
Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Tellium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasias S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320

Standard

Type	030
Oil q.ty (Lt.)	0.03
Standard without oil plug	

Type	030
Oil q.ty (Lt.)	0.03
Standard without oil plug	

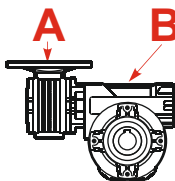
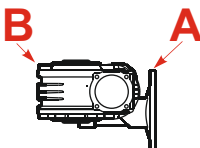
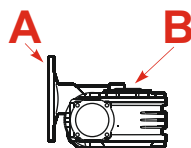
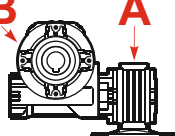
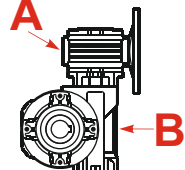
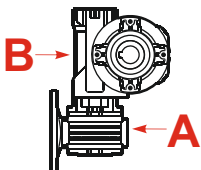
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Combined

	<table><tr><th>Type</th><th>303</th></tr><tr><td>Oil q.ty (Lt.) B</td><td>0.03</td></tr><tr><td>Oil q.ty (Lt.) A</td><td>0.03</td></tr><tr><td colspan="2">Standard without oil plug</td></tr></table>	Type	303	Oil q.ty (Lt.) B	0.03	Oil q.ty (Lt.) A	0.03	Standard without oil plug			<table><tr><th>Type</th><th>303</th></tr><tr><td>Oil q.ty (Lt.) B</td><td>0.03</td></tr><tr><td>Oil q.ty (Lt.) A</td><td>0.03</td></tr><tr><td colspan="2">Standard without oil plug</td></tr></table>	Type	303	Oil q.ty (Lt.) B	0.03	Oil q.ty (Lt.) A	0.03	Standard without oil plug			<table><tr><th>Type</th><th>303</th></tr><tr><td>Oil q.ty (Lt.) B</td><td>0.03</td></tr><tr><td>Oil q.ty (Lt.) A</td><td>0.03</td></tr><tr><td colspan="2">Standard without oil plug</td></tr></table>	Type	303	Oil q.ty (Lt.) B	0.03	Oil q.ty (Lt.) A	0.03	Standard without oil plug	
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OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

Oil plug are on the back side

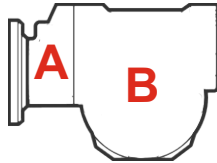
Filled & breather oil plug

Closed oil plug

Drain oil plug

Level oil plug

OIL PLUG



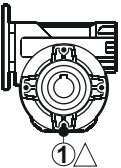
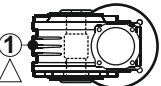
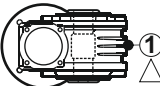
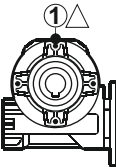
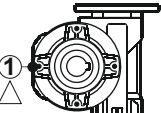
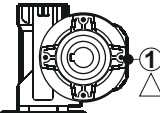
GROUP 1
Gearbox and first stage with common lubrication between A and B

GROUP 2
Separate gearbox and first stage. Independent lubrication A and B.

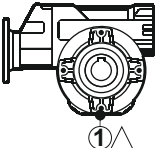
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Standard

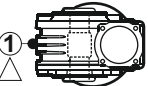
 B3	<table> <tr> <th>Type</th><th>045</th></tr> <tr> <td>Oil q.ty (Lt.)</td><td>0.09</td></tr> <tr> <td>Standard without oil plug</td><td></td></tr> <tr> <td>On request</td><td>① L</td></tr> </table>	Type	045	Oil q.ty (Lt.)	0.09	Standard without oil plug		On request	① L	 B6	<table> <tr> <th>Type</th><th>045</th></tr> <tr> <td>Oil q.ty (Lt.)</td><td>0.09</td></tr> <tr> <td>Standard without oil plug</td><td></td></tr> <tr> <td>On request</td><td>① L</td></tr> </table>	Type	045	Oil q.ty (Lt.)	0.09	Standard without oil plug		On request	① L	 B7	<table> <tr> <th>Type</th><th>045</th></tr> <tr> <td>Oil q.ty (Lt.)</td><td>0.09</td></tr> <tr> <td>Standard without oil plug</td><td></td></tr> <tr> <td>On request</td><td>① L</td></tr> </table>	Type	045	Oil q.ty (Lt.)	0.09	Standard without oil plug		On request	① L
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First stage



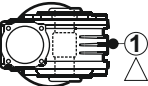
B3 GROUP 1

Type	P45
Oil q.ty (Lt.)	0.17
Standard without oil plug	
On request	① L



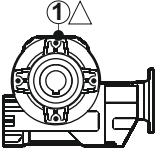
B6 GROUP 1

Type	P45
Oil q.ty (Lt.)	0.17
Standard without oil plug	
On request	① L



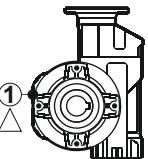
B7 GROUP 1

Type	P45
Oil q.ty (Lt.)	0.17
Standard without oil plug	
On request	① L



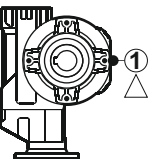
B8 GROUP 1

Type	P45
Oil q.ty (Lt.)	0.17
Standard without oil plug	
On request	① L



V5 GROUP 1

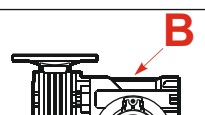
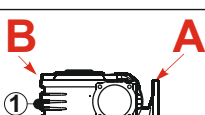
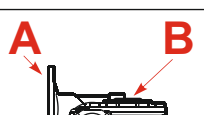
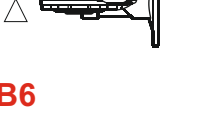
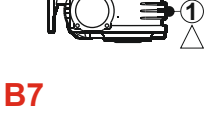
Type	P45
Oil q.ty (Lt.)	0.17
Standard without oil plug	
On request	① L



V6 GROUP 1

Type	P45
Oil q.ty (Lt.)	0.17
Standard without oil plug	
On request	① L

Combined

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OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

□ Oil plug are on the back side

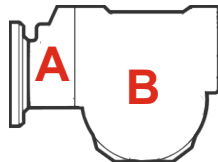
▼ Filled & breather oil plug

▼ Closed oil plug

△ Drain oil plug

● Level oil plug

OIL PLUG



GROUP 1
Gearbox and first stage with common lubrication between A and B

GROUP 2
Separate gearbox and first stage. Independent lubrication A and B.

SYNTHETIC OIL

Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Tellium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasias S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320

Standard

 B3	Type 050 Oil q.ty (Lt.) 0.14 Standard without oil plug On request ① L	 B6	Type 050 Oil q.ty (Lt.) 0.14 Standard without oil plug On request ① L	 B7	Type 050 Oil q.ty (Lt.) 0.14 Standard without oil plug On request ① L
 B8	Type 050 Oil q.ty (Lt.) 0.14 Standard without oil plug On request ① L	 V5	Type 050 Oil q.ty (Lt.) 0.14 Standard without oil plug On request ① L	 V6	Type 050 Oil q.ty (Lt.) 0.14 Standard without oil plug On request ① L

First stage

 B3	Type P50 Oil q.ty (Lt.) 0.26 Standard without oil plug On request ① L	 B6	Type P50 Oil q.ty (Lt.) 0.26 Standard without oil plug On request ① L	 B7	Type P50 Oil q.ty (Lt.) 0.26 Standard without oil plug On request ① L
 B8	Type P50 Oil q.ty (Lt.) 0.26 Standard without oil plug On request ① L	 V5	Type P50 Oil q.ty (Lt.) 0.26 Standard without oil plug On request ① L	 V6	Type P50 Oil q.ty (Lt.) 0.26 Standard without oil plug On request ① L

Combined

 B3	Type 503 Oil q.ty (Lt.) B 0.14 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	 B6	Type 503 Oil q.ty (Lt.) B 0.14 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	 B7	Type 503 Oil q.ty (Lt.) B 0.14 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L
 B8	Type 503 Oil q.ty (Lt.) B 0.14 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	 V5	Type 503 Oil q.ty (Lt.) B 0.14 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	 V6	Type 503 Oil q.ty (Lt.) B 0.14 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L

OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

□ Oil plug are on the back side

▼ Filled & breather oil plug

▼ Closed oil plug

△ Drain oil plug

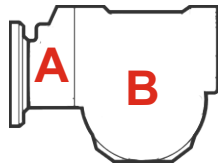
● Level oil plug

OIL PLUG



L

T03/8SCA
Alum. closed plug 3/8



GROUP 1
Gearbox and
first stage with
common lubrication
between A and B

GROUP 2
Separate gearbox and
first stage.
Independent lubrication
A and B.

SYNTHETIC OIL

Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Tellium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasias S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320

Standard

 B3	Type 063 Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L	 B6	Type 063 Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L	 B7	Type 063 Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L
 B8	Type 063 Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L	 V5	Type 063 Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L	 V6	Type 063 Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L

First stage

 B3 GROUP 2	Type P63 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.08 Standard without oil plug On request ① L	 B6 GROUP 1	Type P63 Oil q.ty (Lt.) 0.38 Standard without oil plug On request ① L	 B7 GROUP 1	Type P63 Oil q.ty (Lt.) 0.38 Standard without oil plug On request ① L
 B8 GROUP 1	Type P63 Oil q.ty (Lt.) 0.38 Standard without oil plug On request ① L	 V5 GROUP 2	Type P63 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.08 Standard without oil plug On request ① L	 V6 GROUP 2	Type P63 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.08 Standard without oil plug On request ① L

Combined

 B3	Type 633 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	 B6	Type 633 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	 B7	Type 633 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L
 B8	Type 633 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	 V5	Type 633 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	 V6	Type 633 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L

OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

Oil plug are on the back side

Filled & breather oil plug

Closed oil plug

Drain oil plug

Level oil plug

OIL PLUG



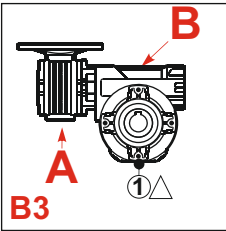
L

T03/8SCA
Allum. closed plug 3/8

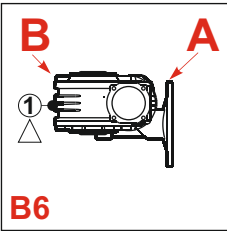
SYNTHETIC OIL

Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Tellium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasias S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320

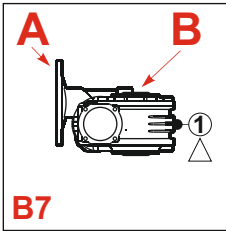
Combined



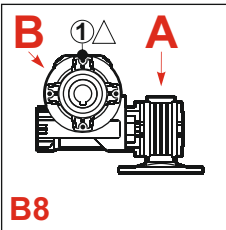
Type	634
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



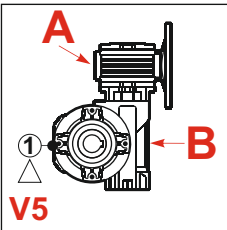
Type	634
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



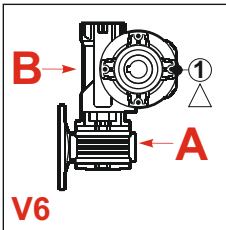
Type	634
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



Type	634
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



Type	634
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



Type	634
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L

OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

Oil plug are on the back side

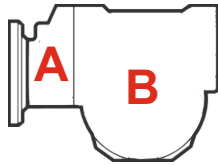
Filled & breather oil plug

Closed oil plug

Drain oil plug

Level oil plug

OIL PLUG



GROUP 1
Gearbox and first stage with common lubrication between A and B

GROUP 2
Separate gearbox and first stage. Independent lubrication A and B.

SYNTHETIC OIL

Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Tellium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasias S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320

Standard

B3	Type 63A Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L	B6	Type 63A Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L	B7	Type 63A Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L
B8	Type 63A Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L	V5	Type 63A Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L	V6	Type 63A Oil q.ty (Lt.) 0.40 Standard without oil plug On request ① L

First stage

B3 GROUP 2	Type P6A Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.08 Standard without oil plug On request ① L	B6 GROUP 1	Type P6A Oil q.ty (Lt.) 0.38 Standard without oil plug On request ① L	B7 GROUP 1	Type P6A Oil q.ty (Lt.) 0.38 Standard without oil plug On request ① L
B8 GROUP 1	Type P6A Oil q.ty (Lt.) 0.38 Standard without oil plug On request ① L	V5 GROUP 2	Type P6A Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.08 Standard without oil plug On request ① L	V6 GROUP 2	Type P6A Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.08 Standard without oil plug On request ① L

Combined

B3	Type 6A3 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	B6	Type 6A3 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	B7	Type 6A3 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L
B8	Type 6A3 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	V5	Type 6A3 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L	V6	Type 6A3 Oil q.ty (Lt.) B 0.40 Oil q.ty (Lt.) A 0.03 Standard without oil plug On request ① L

OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

Oil plug are on the back side

Filled & breather oil plug

Closed oil plug

Drain oil plug

Level oil plug

OIL PLUG



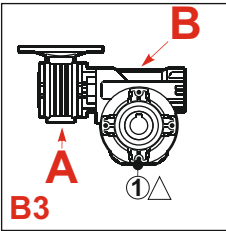
L

T03/8SCA
Allum. closed plug 3/8

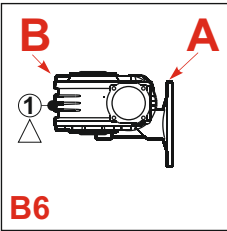
SYNTHETIC OIL

Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Tellium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasias S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320

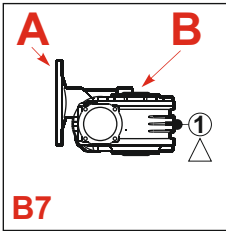
Combined



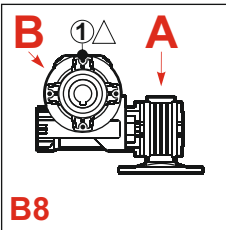
Type	6A4
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



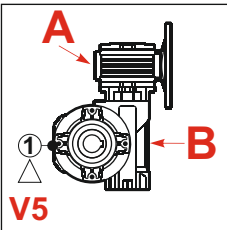
Type	6A4
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



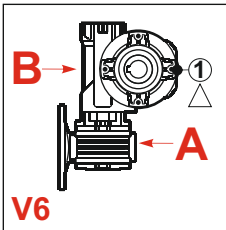
Type	6A4
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



Type	6A4
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



Type	6A4
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L



Type	6A4
Oil q.ty (Lt.) B	0.40
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	1 L

OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

Oil plug are on the back side

Filled & breather oil plug

Closed oil plug

Drain oil plug

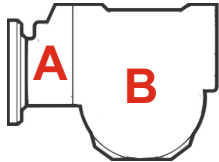
Level oil plug

OIL PLUG

 TO3/8LIA Allum. level plug 3/8	 TO3/8CSS Breather plug 3/8	 TO3/8SCA Allum. closed plug 3/8
 TO3/8C90 90° steel connect 3/8	 TO3/8PRO Steel extension 3/8	

SYNTHETIC OIL

Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Tellium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasias S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320



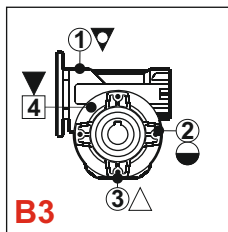
GROUP 1

Gearbox and first stage with common lubrication between A and B

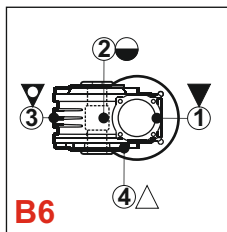
GROUP 2

Separate gearbox and first stage. Independent lubrication A and B.

Standard



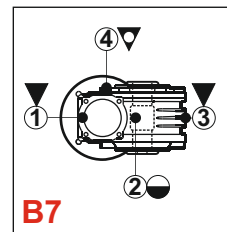
Type	085
Oil q.ty (Lt.)	1.20
Standard without oil plug	
On request	① J ② B ③ L ④ L



Type	085
Oil q.ty (Lt.)	1.20
Standard without oil plug	
On request	① L ② B ③ M+N+J ④ L

With feet

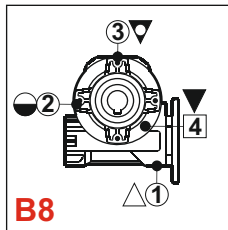
PA	PB
① M+N+J	L
② B	B
③ L	M+N+J
④ L	L



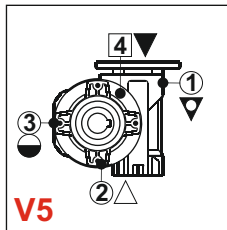
Type	085
Oil q.ty (Lt.)	1.20
Standard without oil plug	
On request	① L ② B ③ L ④ J

With feet

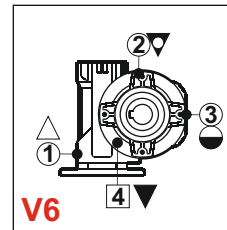
PA	PB
① M+N+J	L
② B	B
③ L	M+N+J
④ L	L



Type	085
Oil q.ty (Lt.)	1.20
Standard without oil plug	
On request	① L ② B ③ J ④ L

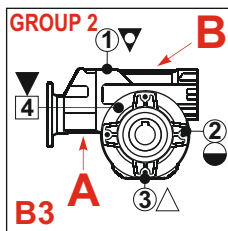


Type	085
Oil q.ty (Lt.)	1.20
Standard without oil plug	
On request	① J ② L ③ B ④ L

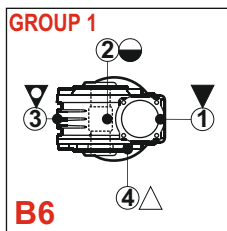


Type	085
Oil q.ty (Lt.)	1.20
Standard without oil plug	
On request	① L ② J ③ B ④ L

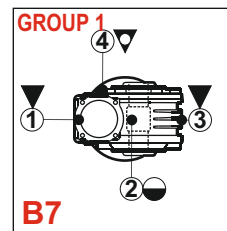
First stage



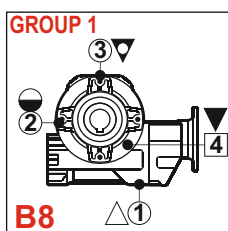
Type	P85
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.14
Standard without oil plug	
On request	① J ② B ③ L ④ L



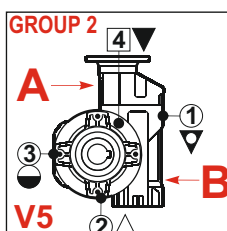
Type	P85
Oil q.ty (Lt.)	0.90
Standard without oil plug	
On request	① L ② B ③ M+N+J ④ L



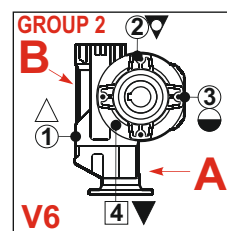
Type	P85
Oil q.ty (Lt.)	0.90
Standard without oil plug	
On request	① L ② B ③ L ④ J



Type	P85
Oil q.ty (Lt.)	0.90
Standard without oil plug	
On request	① L ② B ③ J ④ L



Type	P85
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.14
Standard without oil plug	
On request	① J ② L ③ B ④ L



Type	P85
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.14
Standard without oil plug	
On request	① L ② J ③ B ④ L

OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

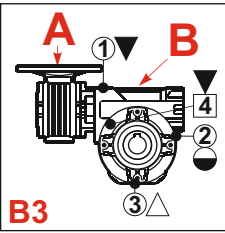
Oil plug are on the back side Filled & breather oil plug Closed oil plug Drain oil plug Level oil plug

OIL PLUG

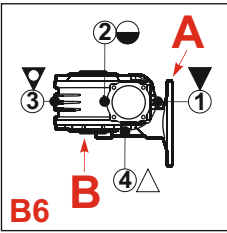
 B TO3/8LIA Allum. level plug 3/8	 J TO3/8CSS Breather plug 3/8	 L TO3/8SCA Allum. closed plug 3/8
 M TO3/8C90 90° steel connect 3/8	 N TO3/8PRO Steel extension 3/8	

SYNTHETIC OIL	
Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Tellium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasia S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320

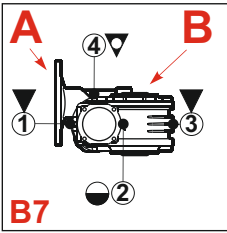
Combined



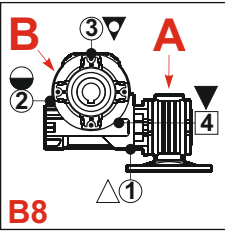
Type	854
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	
①	J
②	B
③	L
④	L



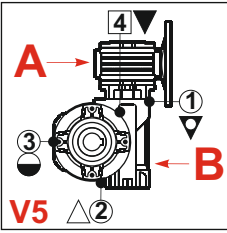
Type	854
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	
①	L
②	B
③	M+N+J
④	L



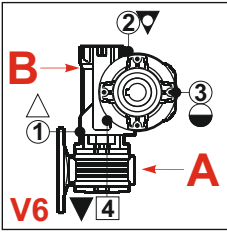
Type	854
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	
①	L
②	B
③	L
④	J



Type	854
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	
①	L
②	B
③	J
④	L



Type	854
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	
①	J
②	L
③	B
④	L



Type	854
Oil q.ty (Lt.) B	1.20
Oil q.ty (Lt.) A	0.09
Standard without oil plug	
On request	
①	L
②	J
③	B
④	L

OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

□ Oil plug are on the back side

▼ Filled & breather oil plug

▼ Closed oil plug

△ Drain oil plug

● Level oil plug

OIL PLUG

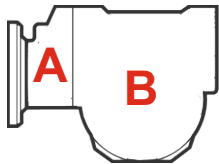
 TO3/8LIA Allum. level plug 3/8	 TO3/8TPO Breather plug 3/8	 TO3/8SCA Allum. closed plug 3/8
 TO3/8C90 90° steel connect 3/8	 TO3/8PRO Steel extension 3/8	 TO3/8PROCO Small steel extension 3/8

IMPORTANT!!

- With oil charge (mineral or synthetic) fix all plugs with AREXONS 35A42 hydraulic sealant lock
- No oil charge, don't use sealant to lock the plugs

SYNTHETIC OIL (Mount all closed plugs)	
Code	Description
LUOTVSF320 (Standard)	Shell Omala S4 WE320 Eni Telium VSF320
LUOBLAS150 (Low temperature)	Shell Omala S4 WE150 Eni Blasias S150
LUOFOOD320 (Food)	Mobil SHC Cibus 320

MINERAL OIL	
Code	Description
LUOBLAM460 (Standard)	Eni Blasias 460 Shell Omala S2 GX460



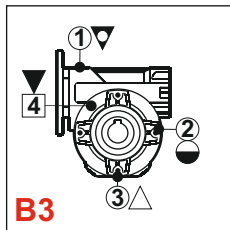
GROUP 1

Gearbox and first stage with common lubrication between A and B

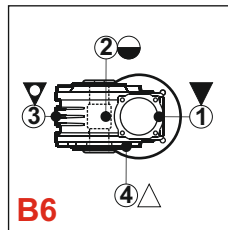
GROUP 2

Separate gearbox and first stage.
Independent lubrication
A - Synthetic Oil
B - Mineral Oil

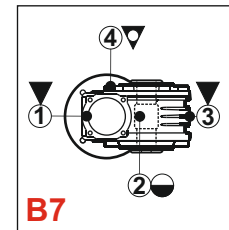
Standard



Type	110								
Oil q.ty (Lt.)	1.90								
(E) Supply loose									
Standard	<table> <tr><td>1</td><td>L (E)</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L (E)	2	B	3	L	4	L
1	L (E)								
2	B								
3	L								
4	L								



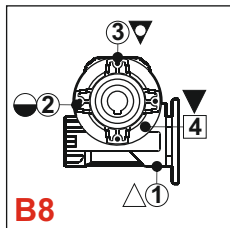
Type	110								
Oil q.ty (Lt.)	1.35								
(M+N+E) Supply loose									
Standard	<table> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L (M+N+E)</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L	2	B	3	L (M+N+E)	4	L
1	L								
2	B								
3	L (M+N+E)								
4	L								



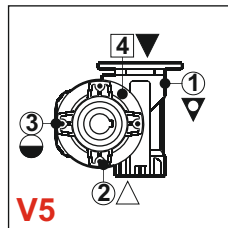
Type	110								
Oil q.ty (Lt.)	1.35								
(M+N+E) Supply loose									
Standard	<table> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L (M+N+E)</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L	2	B	3	L (M+N+E)	4	L
1	L								
2	B								
3	L (M+N+E)								
4	L								

With feet

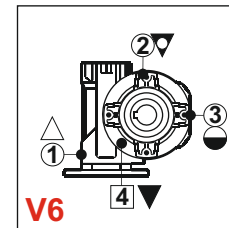
With feet



Type	110								
Oil q.ty (Lt.)	2.00								
(E) Supply loose									
Standard	<table> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L (E)</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L	2	B	3	L (E)	4	L
1	L								
2	B								
3	L (E)								
4	L								

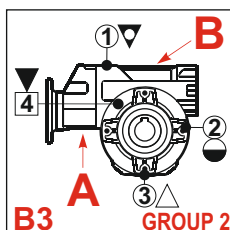


Type	110								
Oil q.ty (Lt.)	2.00								
(C+M+E) Supply loose									
Standard	<table> <tr><td>1</td><td>L (C+M+E)</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>B</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L (C+M+E)	2	L	3	B	4	L
1	L (C+M+E)								
2	L								
3	B								
4	L								

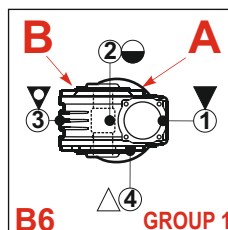


Type	110								
Oil q.ty (Lt.)	2.00								
(E) Supply loose									
Standard	<table> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>L (E)</td></tr> <tr><td>3</td><td>B</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L	2	L (E)	3	B	4	L
1	L								
2	L (E)								
3	B								
4	L								

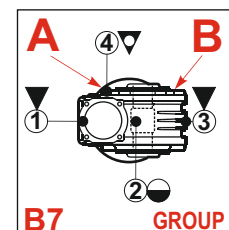
First stage



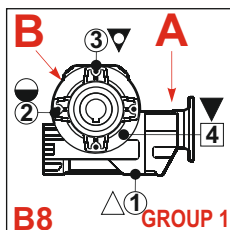
Type	P10								
Oil q.ty (Lt.) B	1.90								
Oil q.ty (Lt.) A	0.14								
(E) Supply loose									
Standard	<table> <tr><td>1</td><td>L (E)</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L (E)	2	B	3	L	4	L
1	L (E)								
2	B								
3	L								
4	L								



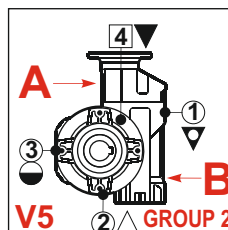
Type	P10								
Oil q.ty (Lt.) B	1.35								
Oil q.ty (Lt.) A	0.14								
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Standard	<table> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L (M+N+E)</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L	2	B	3	L (M+N+E)	4	L
1	L								
2	B								
3	L (M+N+E)								
4	L								



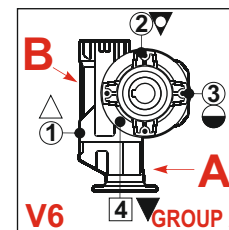
Type	P10								
Oil q.ty (Lt.) B	1.35								
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Standard	<table> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L</td></tr> <tr><td>4</td><td>L (E)</td></tr> </table>	1	L	2	B	3	L	4	L (E)
1	L								
2	B								
3	L								
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Type	P10								
Oil q.ty (Lt.) B	2.00								
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1	L								
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Oil q.ty (Lt.) B	2.00								
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Standard	<table> <tr><td>1</td><td>L (C+M+E)</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>B</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L (C+M+E)	2	L	3	B	4	L
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2	L								
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1	L								
2	L (E)								
3	B								
4	L								

OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

□ Oil plug are on the back side

▼ Filled & breather oil plug

▼ Closed oil plug

△ Drain oil plug

● Level oil plug

OIL PLUG

 TO3/8LIA Allum. level plug 3/8	 TO3/8TPO Breather plug 3/8	 TO3/8SCA Allum. closed plug 3/8
 TO3/8C90 90° steel connect 3/8	 TO3/8PRO Steel extension 3/8	 TO3/8PROCO Small steel extension 3/8

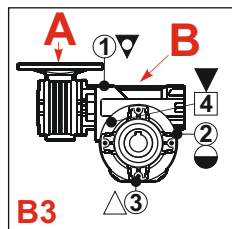
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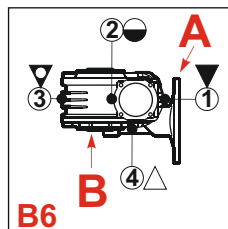
SYNTHETIC OIL (Mount all closed plugs)	
Code	Description
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LUOFOOD320 (Food)	Mobil SHC Cibus 320

MINERAL OIL	
Code	Description
LUOBLAM460 (Standard)	Eni Blasias 460 Shell Omala S2 GX460

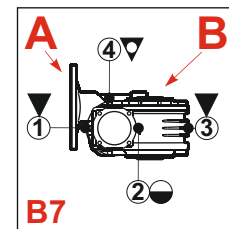
Combined



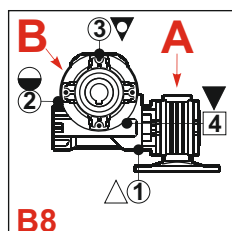
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Oil q.ty (Lt.) B	1.90								
Oil q.ty (Lt.) A	0.14								
(E) Supply loose									
Standard	<table border="1"> <tr><td>1</td><td>L (E)</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L (E)	2	B	3	L	4	L
1	L (E)								
2	B								
3	L								
4	L								



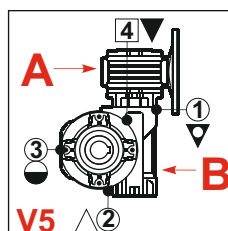
Type	115								
Oil q.ty (Lt.) B	1.35								
Oil q.ty (Lt.) A	0.14								
(M+N+E) Supply loose									
Standard	<table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L (M+N+E)</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L	2	B	3	L (M+N+E)	4	L
1	L								
2	B								
3	L (M+N+E)								
4	L								



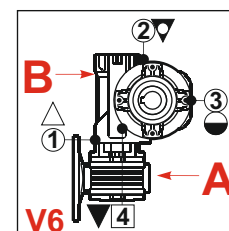
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Oil q.ty (Lt.) B	1.35								
Oil q.ty (Lt.) A	0.14								
(E) Supply loose									
Standard	<table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L</td></tr> <tr><td>4</td><td>L (E)</td></tr> </table>	1	L	2	B	3	L	4	L (E)
1	L								
2	B								
3	L								
4	L (E)								



Type	115								
Oil q.ty (Lt.) B	2.00								
Oil q.ty (Lt.) A	0.14								
(E) Supply loose									
Standard	<table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>B</td></tr> <tr><td>3</td><td>L (E)</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L	2	B	3	L (E)	4	L
1	L								
2	B								
3	L (E)								
4	L								



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Oil q.ty (Lt.) B	2.00								
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Standard	<table border="1"> <tr><td>1</td><td>L (C+M+E)</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>B</td></tr> <tr><td>4</td><td>L</td></tr> </table>	1	L (C+M+E)	2	L	3	B	4	L
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1	L								
2	L (E)								
3	B								
4	L								

S2	B5							B14						
	56	63	71	80	90	100	112	56	63	71	80	90	100	112
	303	●	●					●	●					
	453	●	●					●	●					
	503	●	●					●	●					
	633	●	●					●	●					
	6A3	●	●					●	●					
	634		●	●					●	●				
	6A4		●	●					●	●				
	854			●	●					●	●			
	115		●	●	●				●	●	●	●		