

# LUBRICATION / LUBRIFICAZIONE

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## COAXIAL GEARBOXES

Unit 712/3C 812/3C are supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. Please specify in the order the mounting position. The units from 862C to 1103C are 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.






## RIDUTTORI COASSIALI

I riduttori 712/3C 812/3C sono forniti completi di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Specificare in fase d'ordine la posizione di montaggio. I riduttori dal 862C al 1103C sono forniti privi 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 sottostanti 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.

## OIL PLUG POSITIONS - TYPES / POSIZIONE TAPPI OLIO - TIPI

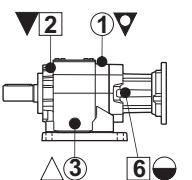
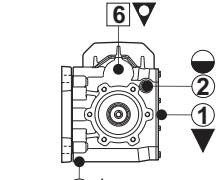
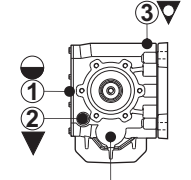
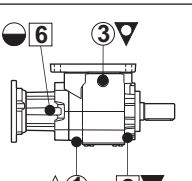
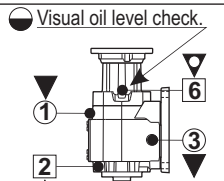
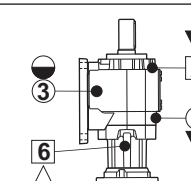
□ Oil plug are on the back side    ▼ Filled & breather oil plug    ▼ Closed oil plug    △ Drain oil plug    ● Level oil plug

### OIL PLUG

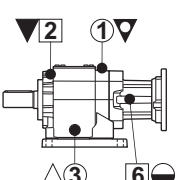
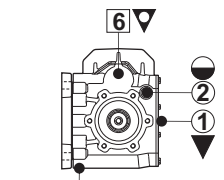
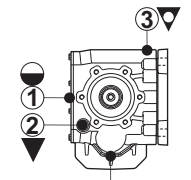
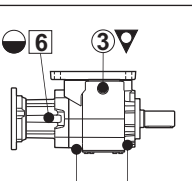
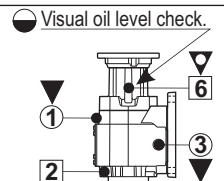
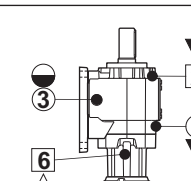
 <b>TO3/8LIA</b> Allum. level plug 3/8	<b>B</b>	 <b>TO3/8TPO</b> Breather plug 3/8	<b>E</b>	 <b>TO3/8SCA</b> Allum. closed plug 3/8	<b>L</b>
 <b>TO3/8C90</b> 90° steel connect 3/8	<b>M</b>	 <b>TO3/8PROCO</b> Small steel extention 3/8	<b>C</b>		

SYNTHETIC OIL	
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

### Standard

 <b>B3</b>	<b>Type 712C</b> Oil q.ty (Lt.) 1.50 Standard with closed oil plug On request: ① E, ② L, ③ L, ⑥ B	 <b>B6</b>	<b>Type 712C</b> Oil q.ty (Lt.) 2.30 Standard with closed oil plug On request: ① L, ② B, ③ L, ⑥ C+M+E	 <b>B7</b>	<b>Type 712C</b> Oil q.ty (Lt.) 1.90 Standard with closed oil plug On request: ① B, ② L, ③ E, ⑥ L
 <b>B8</b>	<b>Type 712C</b> Oil q.ty (Lt.) 1.70 Standard with closed oil plug On request: ① L, ② L, ③ E, ⑥ B	 <b>V5</b> Visual oil level check.	<b>Type 712C</b> Oil q.ty (Lt.) 2.60 Standard with closed oil plug On request: ① L, ② L, ③ L, ⑥ E	 <b>V6</b>	<b>Type 712C</b> Oil q.ty (Lt.) 2.00 Standard with closed oil plug On request: ① L, ② E, ③ B, ⑥ L

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△ Drain oil plug

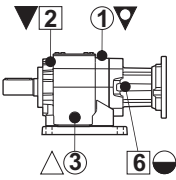
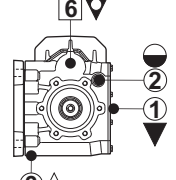
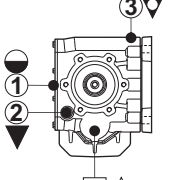
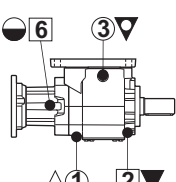
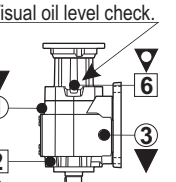
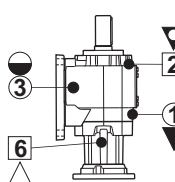
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## OIL PLUG

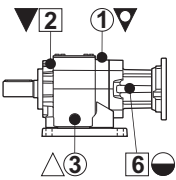
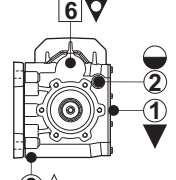
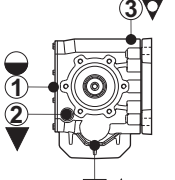
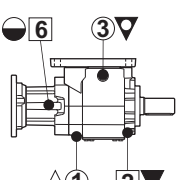
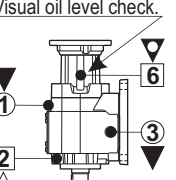
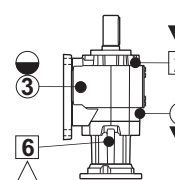
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Type	813C																																																				
Oil q.ty (Lt.)	2.20																																																				
Standard with closed oil plug																																																					
On request	<table border="1"> <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>6</td><td>C+M+E</td></tr> </table>	1	L	2	B	3	L	6	C+M+E																																												
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3	L																																																				
6	C+M+E																																																				
Type	813C																																																				
Oil q.ty (Lt.)	1.80																																																				
Standard with closed oil plug																																																					
On request	<table border="1"> <tr><td>1</td><td>B</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>E</td></tr> <tr><td>6</td><td>L</td></tr> </table>	1	B	2	L	3	E	6	L																																												
1	B																																																				
2	L																																																				
3	E																																																				
6	L																																																				
 <b>B8</b>	<table border="1"> <tr><th>Type</th><th>813C</th></tr> <tr><td>Oil q.ty (Lt.)</td><td>1.70</td></tr> <tr><td colspan="2">Standard with closed oil plug</td></tr> <tr><td>On request</td><td> <table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>E</td></tr> <tr><td>6</td><td>B</td></tr> </table> </td></tr> </table>	Type	813C	Oil q.ty (Lt.)	1.70	Standard with closed oil plug		On request	<table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>E</td></tr> <tr><td>6</td><td>B</td></tr> </table>	1	L	2	L	3	E	6	B	 <b>V5</b>	<table border="1"> <tr><th>Type</th><th>813C</th></tr> <tr><td>Oil q.ty (Lt.)</td><td>2.80</td></tr> <tr><td colspan="2">Standard with closed oil plug</td></tr> <tr><td>On request</td><td> <table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>L</td></tr> <tr><td>6</td><td>E</td></tr> </table> </td></tr> </table>	Type	813C	Oil q.ty (Lt.)	2.80	Standard with closed oil plug		On request	<table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>L</td></tr> <tr><td>6</td><td>E</td></tr> </table>	1	L	2	L	3	L	6	E	 <b>V6</b>	<table border="1"> <tr><th>Type</th><th>813C</th></tr> <tr><td>Oil q.ty (Lt.)</td><td>1.90</td></tr> <tr><td colspan="2">Standard with closed oil plug</td></tr> <tr><td>On request</td><td> <table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>E</td></tr> <tr><td>3</td><td>B</td></tr> <tr><td>6</td><td>L</td></tr> </table> </td></tr> </table>	Type	813C	Oil q.ty (Lt.)	1.90	Standard with closed oil plug		On request	<table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>E</td></tr> <tr><td>3</td><td>B</td></tr> <tr><td>6</td><td>L</td></tr> </table>	1	L	2	E	3	B	6	L
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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

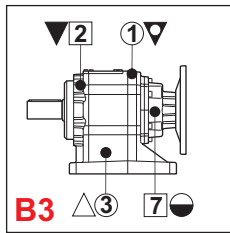
● Level oil plug

## OIL PLUG

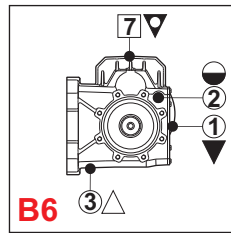
 <b>TO3/8LIA</b> Allum. level plug 3/8	<b>B</b>	 <b>TO3/8TPO</b> Breather plug 3/8	<b>E</b>	 <b>TO3/8SCA</b> Allum. closed plug 3/8	<b>L</b>
 <b>TO3/8C90</b> 90° steel connect 3/8	<b>M</b>	 <b>TO3/8PRO</b> Steel extension 3/8	<b>N</b>		

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

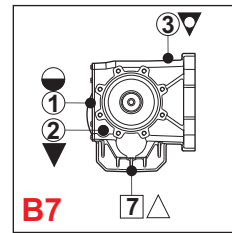
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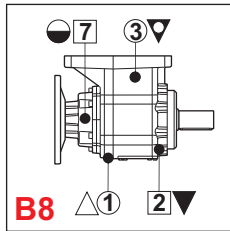
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1	E								
2	L								
3	L								
7	B								



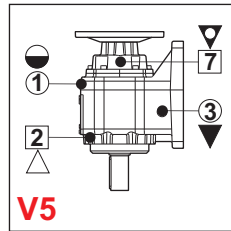
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1	L								
2	B								
3	L								
7	E								



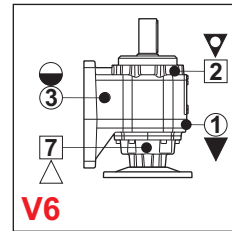
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1	B								
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Type	862C								
Oil q.ty (Lt.)	3.10								
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1	L								
2	L								
3	E								
7	B								

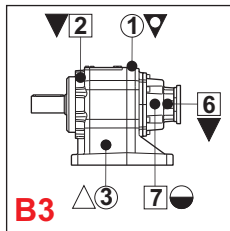


Type	862C								
Oil q.ty (Lt.)	4.90								
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1	B								
2	L								
3	L								
7	N+M+E								

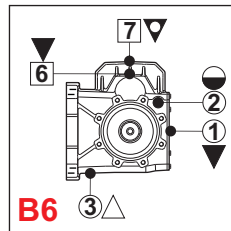


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1	L								
2	E								
3	B								
7	L								

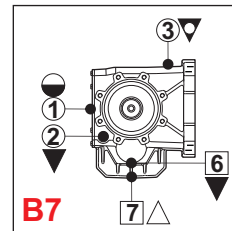
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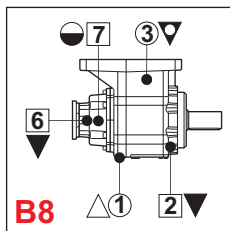
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Oil q.ty (Lt.)	3.10										
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2	L										
3	L										
6	L										
7	B										



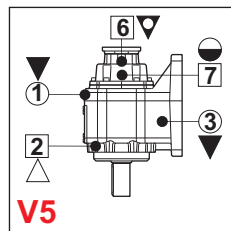
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1	L										
2	B										
3	L										
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7	E										



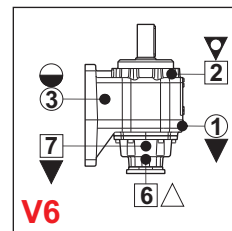
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Standard	<table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>E</td></tr> <tr><td>6</td><td>L</td></tr> <tr><td>7</td><td>B</td></tr> </table>	1	L	2	L	3	E	6	L	7	B
1	L										
2	L										
3	E										
6	L										
7	B										



Type	863C										
Oil q.ty (Lt.)	5.60										
Standard	<table border="1"> <tr><td>1</td><td>L</td></tr> <tr><td>2</td><td>L</td></tr> <tr><td>3</td><td>L</td></tr> <tr><td>6</td><td>E</td></tr> <tr><td>7</td><td>B</td></tr> </table>	1	L	2	L	3	L	6	E	7	B
1	L										
2	L										
3	L										
6	E										
7	B										



Type	863C										
Oil q.ty (Lt.)	4.30										
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1	L										
2	E										
3	B										
6	L										
7	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

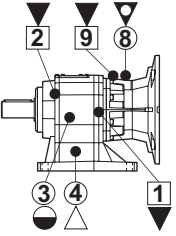
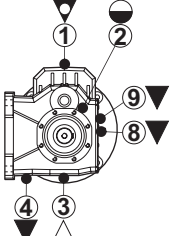
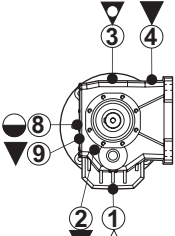
## OIL PLUG

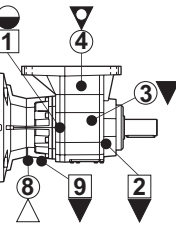
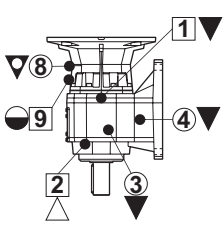
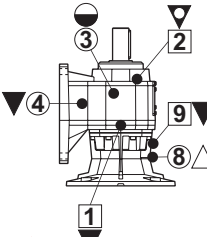
 <b>TO1/2LIA</b> Allum. level plug 1/2	<b>B</b>	 <b>TO1/2SCA</b> Allum. closed plug 1/2	<b>L</b>	 <b>TO1/2TPO</b> Breather plug 1/2	<b>E</b>
 <b>TO1/2C90</b> 90° steel connect 1/2	<b>M</b>	 <b>TO1/2PRO</b> Steel extension 1/2	<b>N</b>		

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

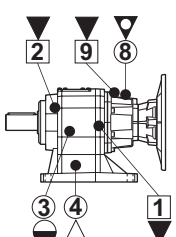
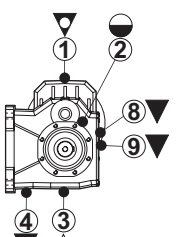
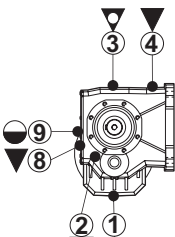
**ALWAYS SUPPLIED WITH TO1/2PRO**

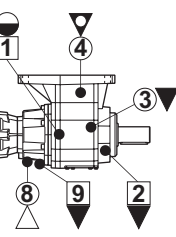
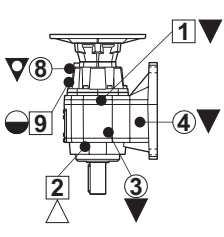
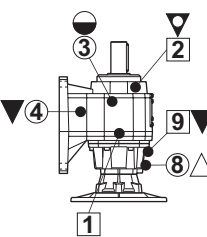
## Standard

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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

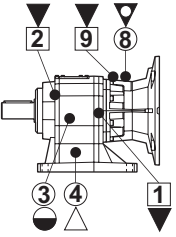
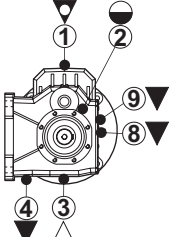
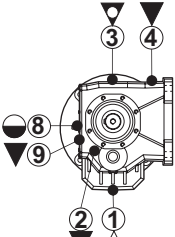
## OIL PLUG

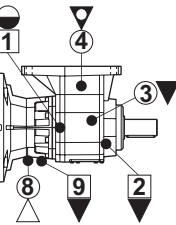
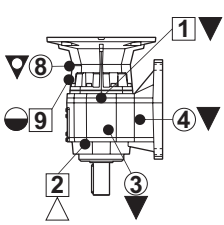
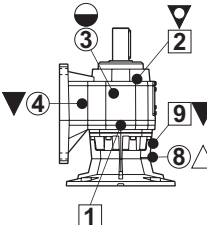
 <b>TO1/2LIA</b> Allum. level plug 1/2	<b>B</b>	 <b>TO1/2SCA</b> Allum. closed plug 1/2	<b>L</b>	 <b>TO1/2TPO</b> Breather plug 1/2	<b>E</b>
 <b>TO1/2C90</b> 90° steel connect 1/2	<b>M</b>	 <b>TO1/2PRO</b> Steel extension 1/2	<b>N</b>		

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

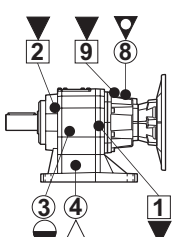
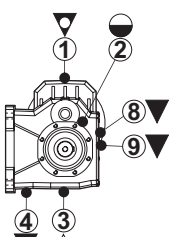
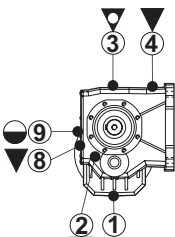
**ALWAYS SUPPLIED WITH TO1/2PRO**

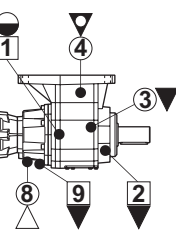
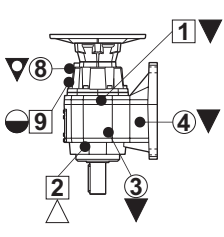
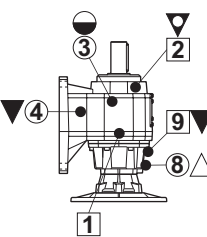
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