

**COMPACT
SHAFT MOUNTED GEARBOXES**

Units from FA41 to FC63 are supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
Please specify in the order the mounting position.

The units from FC72 to FC83 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.

**COMPACT
RIDUTTORI PENDOLARI**

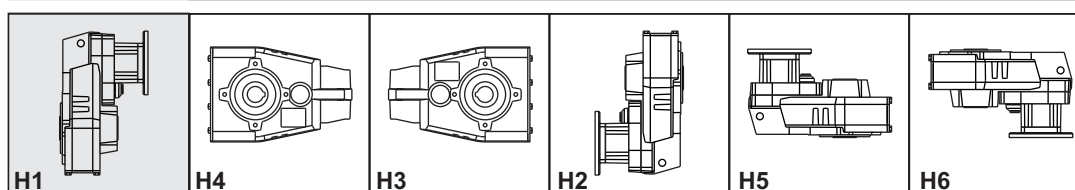
I riduttori dal FA41 al FC63 sono forniti completi di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Specificare in fase d'ordine la posizione di montaggio.

I riduttori dal FC72 al FC83 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.

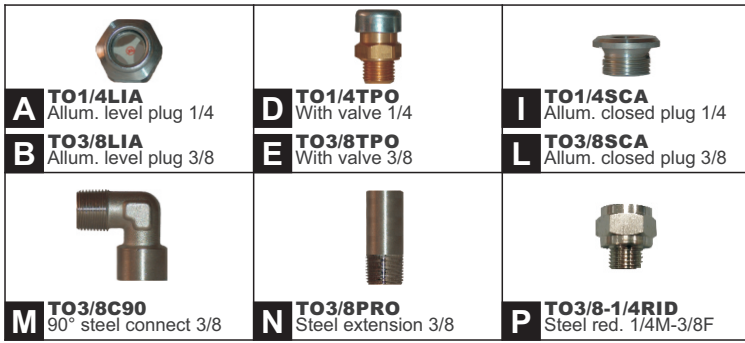
Standard**On request / Arichiesta**

Oil quantity (Lt) / Quantita' di olio (Lt)

FA32	0.65	0.50	0.50	0.60	0.80	0.65
FA33	0.90	0.55	0.55	0.65	0.95	0.70
FA41	1.10	0.65	0.65	0.65	1.15	0.80
FA42	1.15	0.70	0.70	0.70	1.20	0.80
FA43	1.30	0.70	0.70	0.70	1.35	0.90
FA52	1.85	1.15	1.15	1.30	2.10	1.30
FA53	2.15	1.25	1.25	1.45	2.35	1.45
FC61	2.05	1.25	1.25	1.40	2.05	1.40
FC62	2.05	1.25	1.25	1.40	2.20	1.40
FC63	2.30	1.35	1.35	1.55	2.45	1.55
FC72	3.50	1.90	1.90	1.80	3.60	1.90
FC73	3.55	1.95	1.95	1.95	3.75	2.00
FC81	5.50	3.50	3.50	3.50	6.20	4.40
FC82	5.70	3.60	3.60	3.60	6.60	4.50
FC83	5.80	3.90	3.90	3.90	6.80	4.90
FS10	0.35					
FS20	0.50					
FS50	0.95					

Life lubricated / Lubrificazione permanente

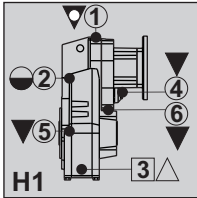
☐ These plugs are on the back side. ▼ Filling & Breather ▼ Filling closed △ Emptying ● Level



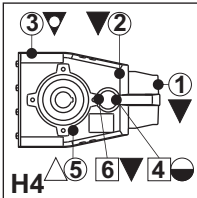
SYNTHETIC OIL	
Code	Description
LUOTVSF320 (Standard)	Synthetic oil 'Telium VSF320'
	Synthetic oil 'Omala S4 WE320'
LUOBLAS150 (Low temperature)	Synthetic oil 'Blasia S 150'
	Synthetic oil 'Omala S4 WE150'

MINERAL OIL	
Code	Description
LUOBLAM460	Mineral oil 'Blasia 460'
	Mineral oil 'Omala S2 G 460'

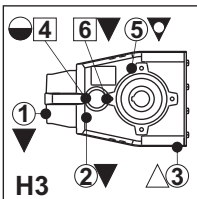
Standard



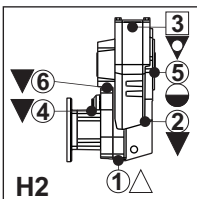
Type	FA32	FA33	FA41	FA42	FA43	FA52	FA53	FC61	FC62	FC63	FC72	FC73	FC81	FC82	FC83
Oil q.ty (Lt.)	0.65	0.90	1.10	1.15	1.30	1.85	2.15	2.05	2.05	2.30	3.50	3.55	5.50	5.70	5.80
Std. oil plugs	④		I					L			L		-		L
On request	④		-					-			-		-		-
	①		D					E			E		E		E
	②		A					B			B		B		B
	③		I					L			L		L		L
	⑤		-					-			L		L		L
	⑥		-					-			-		L		L



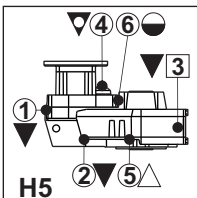
Type	FA32	FA33	FA41	FA42	FA43	FA52	FA53	FC61	FC62	FC63	FC72	FC73	FC81	FC82	FC83
Oil q.ty (Lt.)	0.50	0.55	0.65	0.70	0.70	1.15	1.25	1.25	1.25	1.35	1.90	1.95	3.50	3.60	3.90
Std. oil plugs	④		I					L			B		-		B
On request	④		A					B			-		-		-
	①		-					-			L		L		L
	②		-					-			L		L		L
	③		D					E			E		E		E
	⑤		I					L			L		L		L
	⑥		-					-			-		B		L



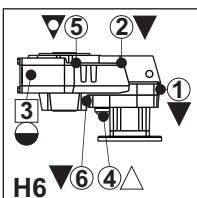
Type	FA32	FA33	FA41	FA42	FA43	FA52	FA53	FC61	FC62	FC63	FC72	FC73	FC81	FC82	FC83
Oil q.ty (Lt.)	0.50	0.55	0.65	0.70	0.70	1.15	1.25	1.25	1.25	1.35	1.90	1.95	3.50	3.60	3.90
Std. oil plugs	④		I					L			B		-		B
On request	④		A					B			-		-		-
	①		-					-			L		L		L
	②		-					-			L		L		L
	③		I					L			L		L		L
	⑤		D					E			E		E		E
	⑥		-					-			-		B		L



Type	FA32	FA33	FA41	FA42	FA43	FA52	FA53	FC61	FC62	FC63	FC72	FC73	FC81	FC82	FC83
Oil q.ty (Lt.)	0.60	0.65	0.65	0.70	0.70	1.30	1.45	1.40	1.40	1.55	1.80	1.95	3.50	3.60	3.90
Std. oil plugs	④		I					L			L		-		L
On request	④		-					-			-		-		-
	①		I					L			L		L		L
	②		-					-			L		L		L
	③		D					E			E		E		E
	⑤		A					B			B		B		B
	⑥		-					-			-		L		L



Type	FA32	FA33	FA41	FA42	FA43	FA52	FA53	FC61	FC62	FC63	FC72	FC73	FC81	FC82	FC83
Oil q.ty (Lt.)	0.80	0.95	1.15	1.20	1.35	2.10	2.35	2.05	2.20	2.45	3.60	3.75	6.20	6.60	6.80
Std. oil plugs	④		I		I	L		L		L	E		-		E
On request	④		D		P+E	E		E		E	-		-		-
	①		A		-	-		B		-	L		B		B
	②		-			-		-		-	L		L		L
	③		-			-		-		-	L		L		L
	⑤		I			I	L		L		L		L		L
	⑥		-			-	-		-		-		E		N+M+E



Type	FA32	FA33	FA41	FA42	FA43	FA52	FA53	FC61	FC62	FC63	FC72	FC73	FC81	FC82	FC83
Oil q.ty (Lt.)	0.65	0.70	0.80	0.80	0.90	1.30	1.45	1.40	1.40	1.55	1.90	2.00	4.40	4.50	4.90
Std. oil plugs	④		I					L			L		-		L
On request	④		-					-			-		-		-
	①		-					-			L		L		L
	②		-					-			L		L		L
	③		A					B			B		B		B
	⑤		D					E			E		E		E
	⑥		-					-			-		L		L

On request / A richiesta

□ These plugs are on the back side. ▼ Filling & Breather ▼ Filling closed △ Emptying ● Level



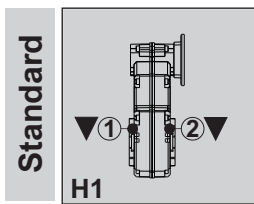
SYNTHETIC OIL	
Code	Description
LUOTVSF320 (Standard)	Synthetic oil 'Telium VSF320'
LUOBLAS150 (Low temperature)	Synthetic oil 'Omala S4 WE150'

MINERAL OIL	
Code	Description
LUOBLAM460	Mineral oil 'Blasia 460'
	Mineral oil 'Omala S2 G 460'

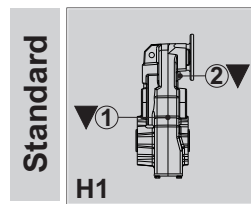
With **mineral oil**, we always need an open oil plug in the higher position to avoid high housing pressure.

With the **synthetic oil** all the oil plugs could be closed.

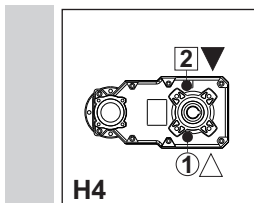
As standard without oil plugs



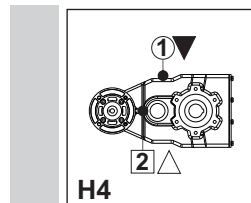
Type	FS10	FS20
Oil q.ty (Lt.)	0.35	0.50
On request	①	
	②	



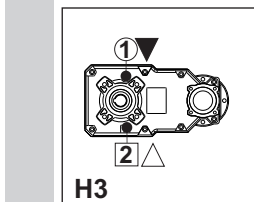
Type	FS50	
Oil q.ty (Lt.)	0.95	
On request	①	
	②	



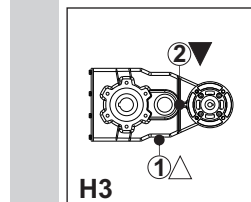
Type	FS10	FS20
Oil q.ty (Lt.)	0.35	0.50
On request	①	
	②	



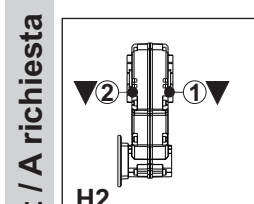
Type	FS50	
Oil q.ty (Lt.)	0.95	
On request	①	
	②	



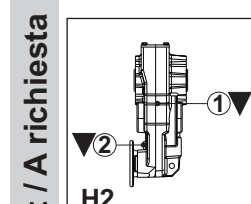
Type	FS10	FS20
Oil q.ty (Lt.)	0.35	0.50
On request	①	
	②	



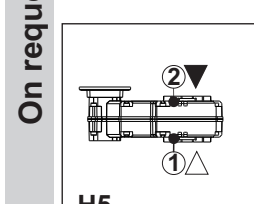
Type	FS50	
Oil q.ty (Lt.)	0.95	
On request	①	
	②	



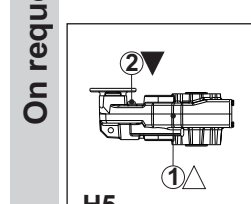
Type	FS10	FS20
Oil q.ty (Lt.)	0.35	0.50
On request	①	
	②	



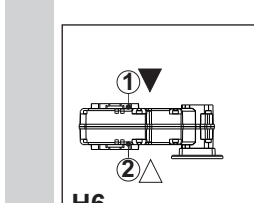
Type	FS50	
Oil q.ty (Lt.)	0.95	
On request	①	
	②	



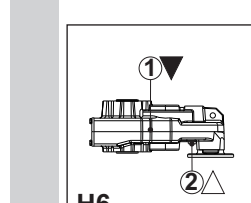
Type	FS10	FS20
Oil q.ty (Lt.)	0.35	0.50
On request	①	
	②	



Type	FS50	
Oil q.ty (Lt.)	0.95	
On request	①	
	②	



Type	FS10	FS20
Oil q.ty (Lt.)	0.35	0.50
On request	①	
	②	



Type	FS50	
Oil q.ty (Lt.)	0.95	
On request	①	
	②	