

**ANGLETECH
BEVEL HELICAL GEAR**

Unit from X22S to 114C are supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.

Please specify in the order the mounting position.

The units 133C and 134C 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.

**ANGLETECH
RIDUTTORI A COPPIA CONICA**

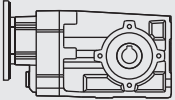
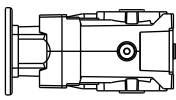
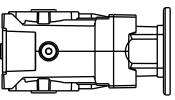
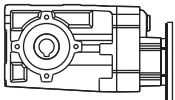
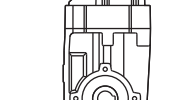
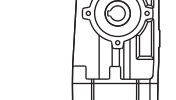
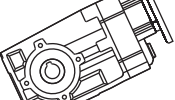
I riduttori dal X22S al 114C sono forniti completi di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Specificare in fase d'ordine la posizione di montaggio.

I riduttori 133C e 134C 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.

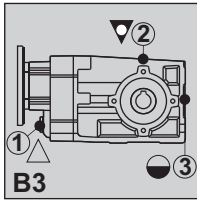
Le quantità di lubrificante sono indicative; per avere il corretto quantitativo di lubrificante si dovrà dare attinenza esclusivamente alla mezzeria del tappo livello o allo sfioramento del foro del tappo, quando presenti.

Tenendo in considerazione quanto appena sostenuto la quantità di lubrificante indicata in tabella può presentare delle differenze, occasionalmente anche rilevanti.

	Standard		On request / A richiesta				
							
	B3	B6	B7	B8	V5	V6	V8
	Oil quantity (Lt.) / Quantita (Lt.)						
X22S	0.25	0.25	0.25	0.25	0.43	0.31	Contact us
X32S	0.40	0.60	0.40	0.60	0.85	0.60	
X33S	0.70	0.65	0.40	0.65	0.95	0.65	
X42A	0.60	0.75	0.50	0.70	1.10	0.60	
X43A	0.80	0.80	0.60	0.80	1.20	0.70	
X52A	0.90	1.50	0.75	1.40	1.95	1.15	
X53A	1.30	1.55	0.85	1.45	2.10	1.25	
X62A	1.25	1.70	0.95	1.60	2.45	1.50	
X63A	1.80	1.80	1.05	1.70	2.60	1.65	
113C	4.00	2.60	2.60	2.60	5.15	2.20	
114C	4.10	2.70	2.70	2.70	5.30	2.35	
133C	6.00	4.30	4.30	3.30	7.40	3.10	
134C	6.10	4.40	4.40	3.40	7.50	3.20	

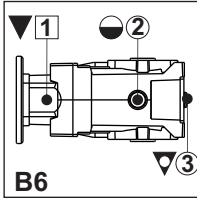
 Life lubricated / Lubrificazione permanente

Standard

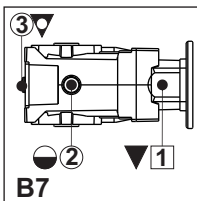


Type	X22S	X32S	X33S	X42A	X43A	X52A	X53A	X62A	X63A
Oil quantity (Lt.)	0.25	0.40	0.70	0.60	0.80	0.90	1.30	1.25	1.80
Standard ①			I			L		L	
On request ①			-			-		-	
On request ②			K			K		J	
On request ③			A			A		B	

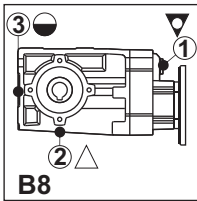
On request / A richiesta



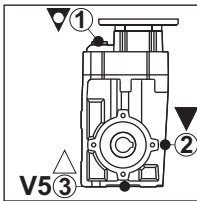
Type	X22S	X32S	X33S	X42A	X43A	X52A	X53A	X62A	X63A
Oil quantity (Lt.)	0.25	0.60	0.65	0.75	0.80	1.50	1.55	1.70	1.80
Standard ①			I			L		L	
On request ①			-			-		-	
On request ②			A			A		B	
On request ③			M+N+J			M+N+J		M+N+J	



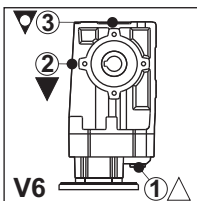
Type	X22S	X32S	X33S	X42A	X43A	X52A	X53A	X62A	X63A
Oil quantity (Lt.)	0.25	0.40	0.40	0.50	0.60	0.75	0.85	0.95	1.05
Standard ①			I			L		L	
On request ①			-			-		-	
On request ②			A			A		B	
On request ③			M+N+J			M+N+J		M+N+J	



Type	X22S	X32S	X33S	X42A	X43A	X52A	X53A	X62A	X63A
Oil quantity (Lt.)	0.25	0.60	0.65	0.70	0.80	1.40	1.45	1.60	1.70
Standard ①			I			L		L	
On request ①			K			J		J	
On request ②			I			I		L	
On request ③			A			A		B	



Type	X22S	X32S	X33S	X42A	X43A	X52A	X53A	X62A	X63A
Oil quantity (Lt.)	0.43	0.85	0.95	1.10	1.20	1.95	2.10	2.45	2.60
Standard ①			I			L		L	
On request ①			K			J		J	
On request ②			I			I		L	
On request ③			I			I		L	



Type	X22S	X32S	X33S	X42A	X43A	X52A	X53A	X62A	X63A
Oil quantity (Lt.)	0.31	0.60	0.65	0.60	0.70	1.15	1.25	1.50	1.65
Standard ①			I			L		L	
On request ①			-			-		-	
On request ②			I			I		L	
On request ③			K			K		J	

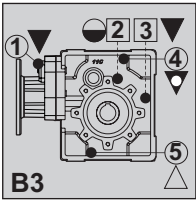
□ These plugs are on the back side. ▼ Filling & Breather ▼ Filling closed △ Emptying ● Level

A TO1/4LIA Allum. level plug 1/4	B TO3/8LIA Allum. level plug 3/8	C TO3/8LIO Bronze level plug 3/8	D TO1/4TPO With valve 1/4	E TO3/8TPO With valve 3/8	F TO1/8SCIOR Inox plug cl.+OR 1/8	G TO1/4SCIOR Inox plug cl.+OR 1/4	H TO3/8SCIOR Inox plug cl.+OR 3/8	I TO1/4SCA Allum. closed plug 1/4	J TO3/8CSS Steel breath plug 3/8	K TO1/4CSS Steel breath plug 1/4
L TO3/8SCA Allum. closed plug 3/8	M TO3/8C90 90° steel connect. 3/8	N TO3/8PRO Steel extension 3/8	O TO3/8BRAT T Steel connect. 3/8	P TO3/8-1/4RID Steel red. 1/4M-3/8F	Q TOM16*1.5LIA Aluminum Level plug M16*1.5	R TOM16*1.5SCA Aluminum closed plug M16*1.5	S TOM16*1.5TPO With valve M16*1.5			

SYNTHETIC OIL	
Code	Description
LUOTVSF320	Synthetic oil 'Telium VSF320'
	Synthetic oil 'Omala S4 WE320'
LUOBLAS150	Synthetic oil 'Blasia S 150'
	Synthetic oil 'Omala S4 WE150'

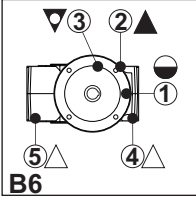
MINERAL OIL	
Code	Description
LUOBLAM460	Mineral oil 'Blasia 460'
	Mineral oil 'Omala S2 G 460'

Standard

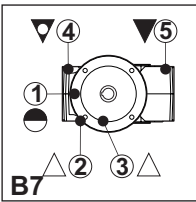


Type	113C	114C	133C	134C
Oil quantity (Lt.)	4.00	4.10	6.00	6.10
Standard ①	L		L	
On request ①	-		-	
On request ②	B		B	
On request ③	-		L	
On request ④	E		E	
On request ⑤	L		L	

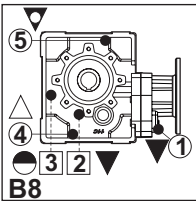
On request / A richiesta



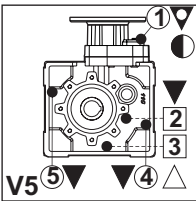
Type	113C	114C	133C	134C
Oil quantity (Lt.)	2.60	2.70	4.30	4.40
Standard ①	L		B	
On request ①	B		-	
On request ②	-		L	
On request ③	E		E	
On request ④	L		L	
On request ⑤	-		L	



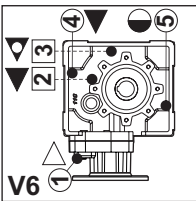
Type	113C	114C	133C	134C
Oil quantity (Lt.)	2.60	2.70	4.30	4.40
Standard ①	L		B	
On request ①	B		-	
On request ②	-		L	
On request ③	L		L	
On request ④	E		E	
On request ⑤	-		L	



Type	113C	114C	133C	134C
Oil quantity (Lt.)	2.60	2.70	3.30	3.40
Standard ①	L		L	
On request ①	-		-	
On request ②	-		L	
On request ③	B		B	
On request ④	L		L	
On request ⑤	E		E	



Type	113C	114C	133C	134C
Oil quantity (Lt.)	5.15	5.30	7.40	7.50
Standard ①	L		E	
On request ①	E		-	
On request ②	-		L	
On request ③	L		L	
On request ④	-		L	
On request ⑤	-		L	



Type	113C	114C	133C	134C
Oil quantity (Lt.)	2.20	2.35	3.10	3.20
Standard ①	L		L	
On request ①	-		-	
On request ②	-		L	
On request ③	E		E	
On request ④	-		L	
On request ⑤	B		B	

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

 A TO1/4LIA Allum. level plug 1/4	 B TO3/8LIA Allum. level plug 3/8	 C TO3/8LIO Bronze level plug 3/8	 D TO1/4TPO With valve 1/4	 E TO3/8TPO With valve 3/8	 F TO1/8SCIOR Inox plug cl.+OR 1/8	 G TO1/4SCIOR Inox plug cl.+OR 1/4	 H TO3/8SCIOR Inox plug cl.+OR 3/8	 I TO1/4SCA Allum.closed plug 1/4	 J TO3/8CSS Steel breath plug 3/8	 K TO1/4CSS Steel breath plug 1/4	
 L TO3/8SCA Allum.closed plug 3/8	 M TO3/8C90 90° steel connect.3/8	 N TO3/8PRO Steel extension 3/8	 O TO3/8BRAT T Steel connect. 3/8	 P TO3/8-1/4RID Steel red. 1/4M-3/8F	 Q TOM16*1.5LIA Aluminum Level plug M16*1.5	 R TOM16*1.5SCA Aluminum closed plug M16*1.5	 S TOM16*1.5TPO With valve M16*1.5				

SYNTHETIC OIL	
Code	Description
LUOTVSF320 (Standard)	Synthetic oil 'Telium VSF320'
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'