

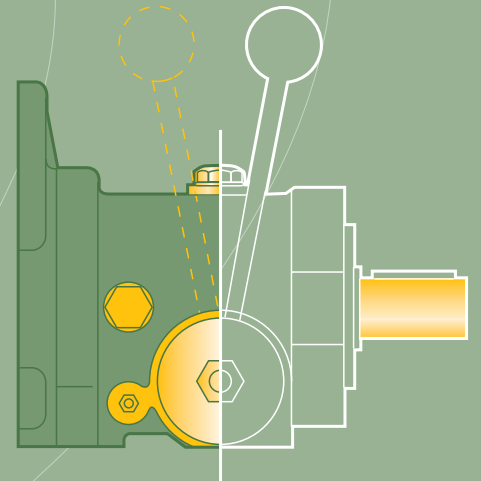
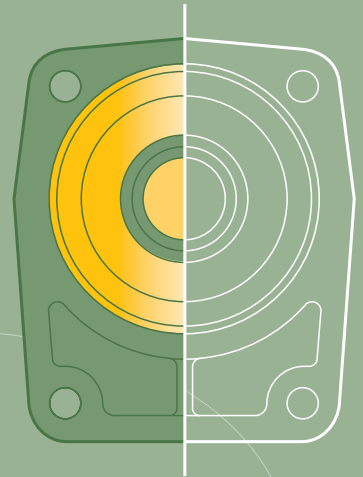


HYDROVEN
OLEODINAMICA



***SUPPORTI** SUPPORTS
***INNESTI** CLUTCHES

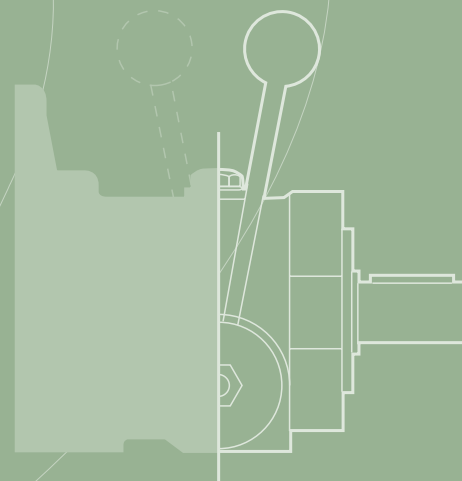
▶ **SUPPORTI**
▶ **INNESTI**



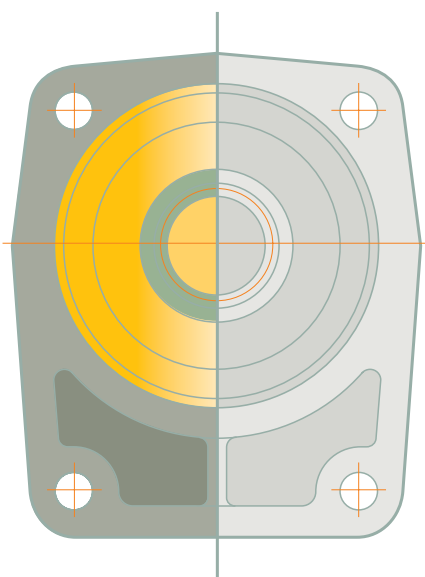
***SUPPORTI**
***INNESTI**

SUPPORTS
CLUTCHES

4	SUPPORTI TIRO CINGHIA HS BELT PULLEY SUPPORTS HS
5	SUPPORTI CON ALBERO CONICO HS-* *-CO PUMP SUPPORTS WITH TAPERED SHAFT HS*- *-CO
6	SUPPORTI CON ALBERO CILINDRICO HS-* *-CI PUMP SUPPORTS WITH CYLINDRICAL SHAFT HS*- *-CI
7	SUPPORTO POMPE PUMP SUPPORT
8	SUPPORTO POMPE PUMP SUPPORT
9	SUPPORTO POMPE BOSCH BOSCH PUMP SUPPORT
10	SUPPORTO UNIVERSALE POMPE UNIVERSAL PUMP SUPPORT
11	FLANGE PER SUPPORTI POMPE GRUPPO 4 UNIVERSALE FLANGES FOR PUMP SUPPORTS GROUP 4
12	FLANGE PER SUPPORTI POMPE GRUPPO 4 UNIVERSALE FLANGES FOR PUMP SUPPORTS GROUP 4
13	FLANGE PER SUPPORTI POMPE GRUPPO 4 UNIVERSALE FLANGES FOR PUMP SUPPORTS GROUP 4
16	INNESTI MECCANICI A DENTI FRONTALI HI-20 MECHANICAL COUPLINGS WITH FRONT TEETH HI-20
17	INNESTI MECCANICI A DENTI FRONTALI HI-30 MECHANICAL COUPLINGS WITH FRONT TEETH HI-30
18	FLANGE PER INNESTI HI-30 COUPLING FLANGES HI-30
19	INNESTI MECCANICI A DENTI FRONTALI HI-40 MECHANICAL COUPLINGS WITH FRONT TEETH HI-40
20	FLANGE PER INNESTI HI-40 COUPLING FLANGES HI-40
22	INNESTI ELETTROMAGNETICI 10 daNm HE-10 14 daNm HE-14 ELECTROMAGNETIC COUPLINGS 10 daNm HE-10 14 daNm HE-14
23	INNESTI ELETTROMAGNETICI CON CINGHIA PLV 10 daNm HE-10 14 daNm HE-14 ELECTROMAGNETIC COUPLINGS WITH PLV BELT 10 daNm HE-10 14 daNm HE-14
24	FLANGE PER INNESTI HE-10 & HE-14 COUPLING FLANGES HE-10 & HE-14
26	INNESTI ELETTROMAGNETICI 21 daNm HE-21 ELECTROMAGNETIC COUPLINGS 21 daNm HE-21
27	INNESTI ELETTROMAGNETICI 30 daNm HE-30 ELECTROMAGNETIC COUPLINGS 30 daNm HE-30



BELT PULLEY SUPPORTS HS



ESEMPIO DI ORDINAZIONE EXAMPLE ORDER

HS	SUPPORTO SUPPORT					
20	TIPO - GRUPPI TYPE - UNIT					
CO	ALBERO SHAFT					
B	PREDISPOSIZIONE PER POMPA - TIPO - RIFERIMENTO - FLANGIATURA PUMP PRE-SETTING - TYPE - FLANGING					
HS	SUPPORTO SUPPORT					
	HS Supporti tiro cinghia belt pulley supports					
20	GRUPPI UNIT					
	10 Gruppo 1 Group 1	21 Gruppo 2 BOSCH BOSCH group 2	30 Gruppo 3 Group 3	35 Gruppo 3.5 Group 3.5		
	20 Gruppo 2 standard Standard group 2	25 Gruppo 2 rinforzato Reinforced group 2	31 Gruppo 3 BOSCH BOSCH group 3	40 Gruppo 4 Group 4		
CO	ALBERO SHAFT					
	CI Albero cilindrico Cylindric shaft	CO Albero conico Tapered shaft				
B	PREDISPOSIZIONE PER POMPA PUMP PRE-SETTING					
	A 1U Gruppo 1 Universale Group 1 Universal	E 3.5U Gruppo 3.5 Universale Group 3.5 Universal	P SAE A 2 fori SAE A 2 holes	R - S SAE C 2 & 4 fori SAE C 2 & 4 holes		
	B 2U Gruppo 2 Universale Group 2 Universal	F 4U Gruppo 4 Universale Group 4 Universal	P - T SAE A 2 & 4 fori SAE A 2 & 4 holes	W - Y LINDE PF 20 - 35 - 50 LINDE PF 20 - 35 - 50		
	C 3U Gruppo 3 Universale Group 3 Universal	M ZFRS Gruppo 2 Bosch Group 2 Bosch	Q SAE B 2 fori SAE B 2 holes	Z LINDE PF 75 LINDE PF 75		
	D T250 Gruppo 3 Turolla 250 Group 3 Turolla 250	N ZGRS Gruppo 3 Bosch Group 3 Bosch	Q - V SAE B 2 & 4 fori SAE B 2 & 4 holes			

CARATTERISTICHE GENERALI FEATURES

I supporti tiro cinghia vengono utilizzati per trasmissioni indipendenti di pompe oleodinamiche tramite cinghie o catene in cui sono presenti forti carichi radiali. Essi vengono flangiati direttamente alla pompa e, l'accoppiamento viene fatto mediante semigiunto scanalato. La durata dei supporti è di 3500 ore a 1500 giri/l.

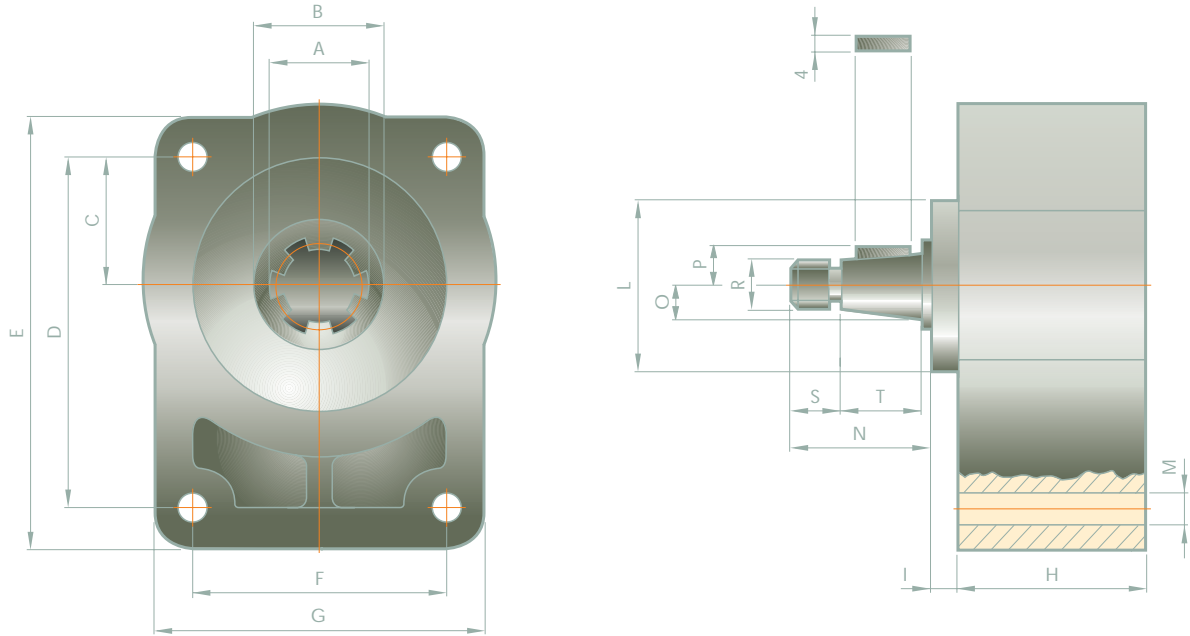
LUBRIFICAZIONE. Grasso secondo norme DIN 51502 - MPF - IK - 20.

Designed for independent drives of hydraulic pumps via chain belts with high radial loads. They are directly flanged on to the pump via splined half-coupling. Their life is 3500 hours at 1500 R.P.M.

LUBRIFICATION. Grease according to DIN 51502 standards - MPF - IK - 20.



PUMP SUPPORTS WITH TAPERED SHAFT HS* *-CO



2005

DIMENSIONI D INGOMBRO OVER-ALL DIMENSIONS

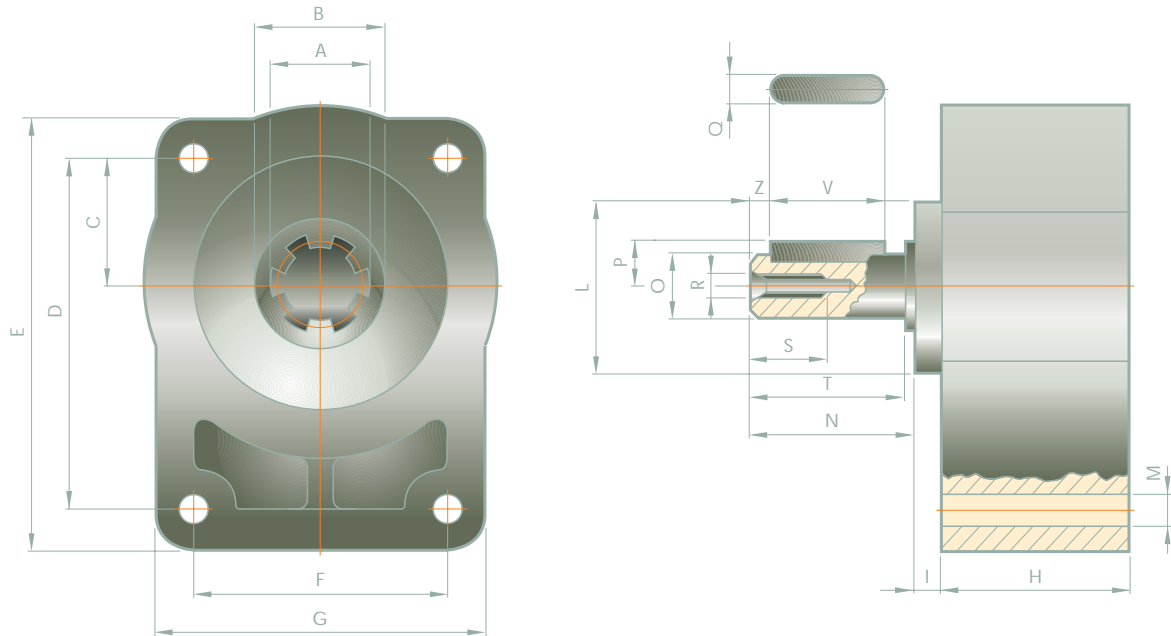
TIPO TYPE	GRUPPO UNIT	A	B H7	C	D	E	F	G	H
HS - 10 - CO	1U	25 x 22	25.4	26.5	72	92	53	73	73
HS - 20 - CO	2U	25 x 22	36.5	32.5	96	114	71.4	89.4	89.4
HS - 25 - CO	2U R	28 x 25	36.5	32.5	96	114	71.4	89.4	89.4
HS - 30 - CO	3U	35 x 31	50.8	42.5	128	150	98.4	120.4	120.4

DIMENSIONI D INGOMBRO OVER-ALL DIMENSIONS

TIPO TYPE	GRUPPO UNIT	I	L f7	M	N	O h7	P	R	S	T
HS - 10 - CO	1U	6	50.8	7	36	17.5	9.5	M12 x 1.5	12	23
HS - 20 - CO	2U	6	36.5	9	35	17.5	9.5	M12 x 1.5	12	23
HS - 25 - CO	2U R	4	50.8	9	36	17.5	9.5	M12 x 1.5	12	23
HS - 30 - CO	3U	4	60.3	11	43	22.2	12	M14 x 1.5	14	28

* Profilo interno scanalato DIN 5482 - Splined internal profile DIN 5482

PUMP SUPPORTS WITH CYLINDRICAL SHAFT HS* *-CI



2005

DIMENSIONI D INGOMBRO OVER-ALL DIMENSIONS

TIPO TYPE	GRUPPO UNIT	A	B H7	C	D	E	F	G	H	I	L f7
HS - 10 - CI	1U	25 x 22	25.4	26.5	72	92	53	73	40	6	50.8
HS - 20 - CI	2U	25 x 22	36.5	32.5	96	114	71.4	89.4	43	6	36.5
HS - 25 - CI	2U R	28 x 25	36.5	32.5	96	114	71.4	89.4	52	4	50.8
HS - 30 - CI	3U	35 x 31	50.8	42.5	128	150	98.4	120.4	54	4	60.3

DIMENSIONI D INGOMBRO OVER-ALL DIMENSIONS

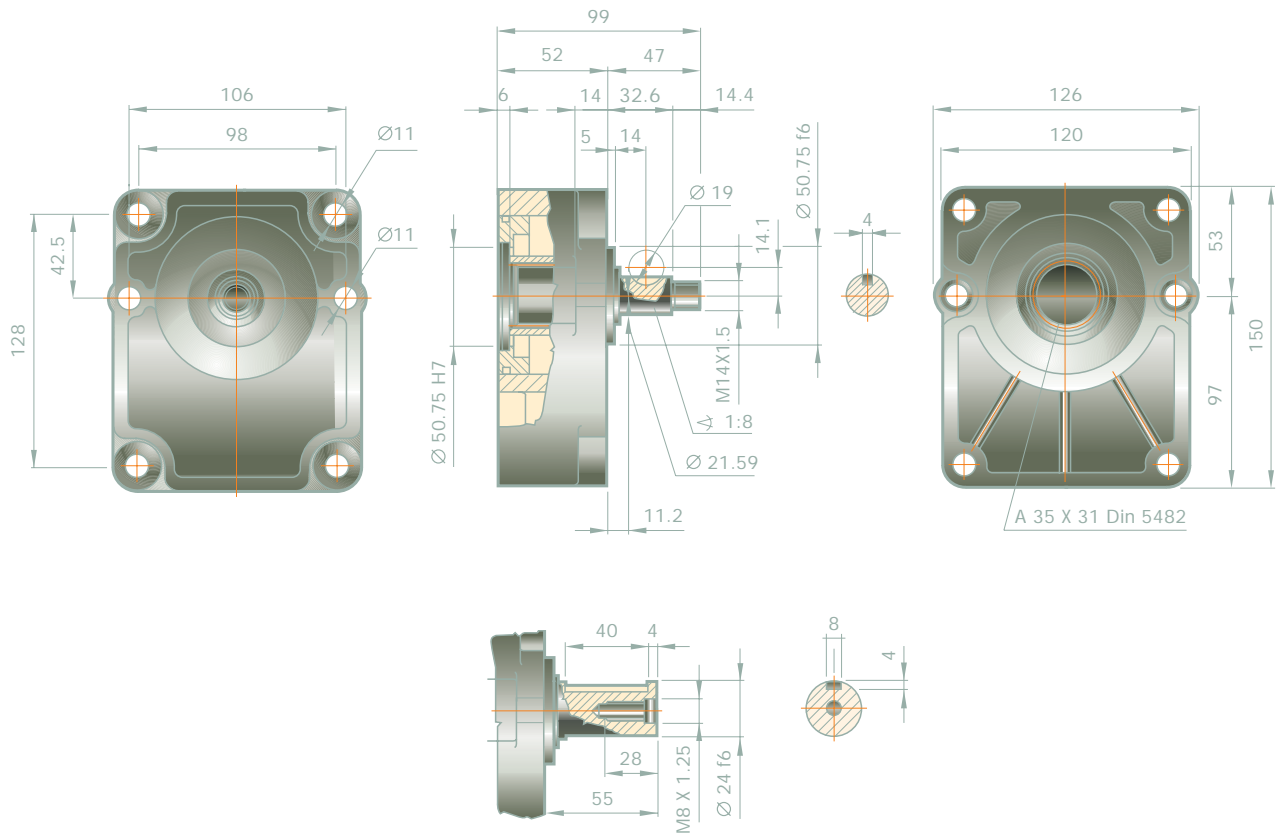
TIPO TYPE	GRUPPO UNIT	M	N	O h7	P	Q	R	S	T	V	Z
HS - 10 - CI	1U	7	36	18	11.5	6	M6	19	35	25	5
HS - 20 - CI	2U	9	40.5	18	11.5	6	M8	19	40	40	3
HS - 25 - CI	2U R	9	49.5	22	13.5	6	M8	19	48	40	4
HS - 30 - CI	3U	11	49.5	24	15	8	M8	19	48	40	4

* Profilo interno scanalato DIN 5482 - Splined internal profile DIN 5482

	HS 10 CI	HS 20 CI	HS 25 CI	HS 30 CI
	daN			
CARICHI ASSIALI AXIAL LOAD	90	110	130	140
K	100	170	285	315
X	75	130	220	240

Gruppo 3 HS 30

Group 3 HS 30



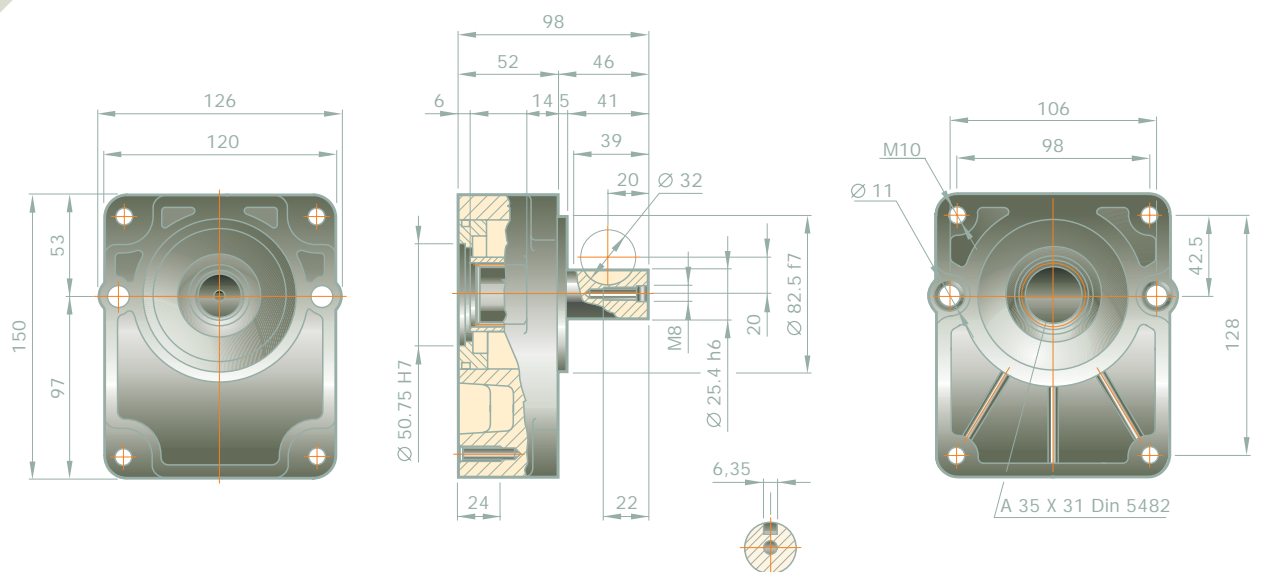
Carichi assiali 140 daN
Axial loads 140 daN

2005

HS30

Gruppo 3 SAE A HS 30

Group 3 SAE A HS 30



Carichi assiali 140 daN
Axial loads 140 daN

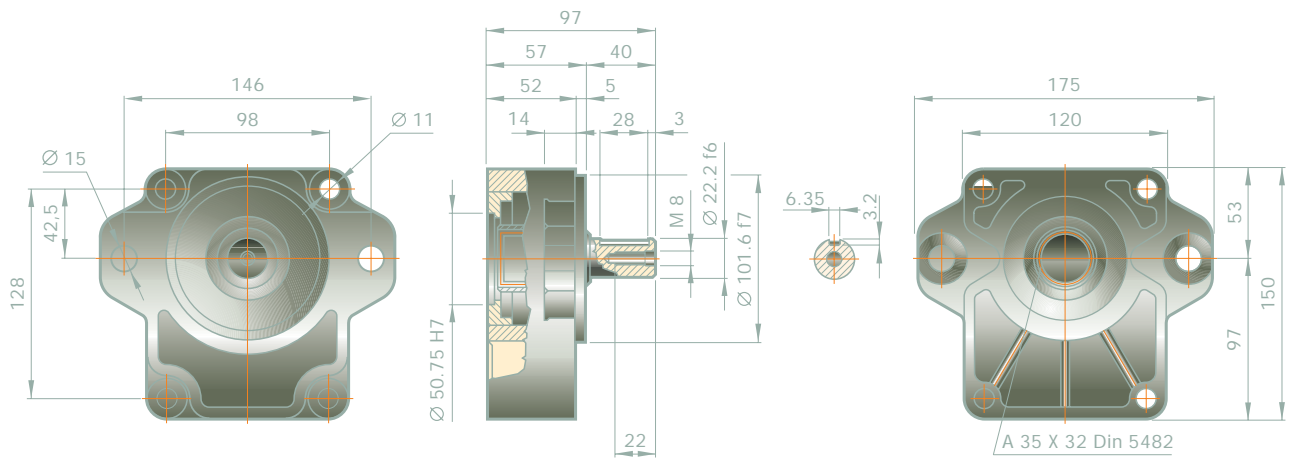
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HS30

Gruppo 3 SAE B HS 30

Group 3 SAE B HS 30



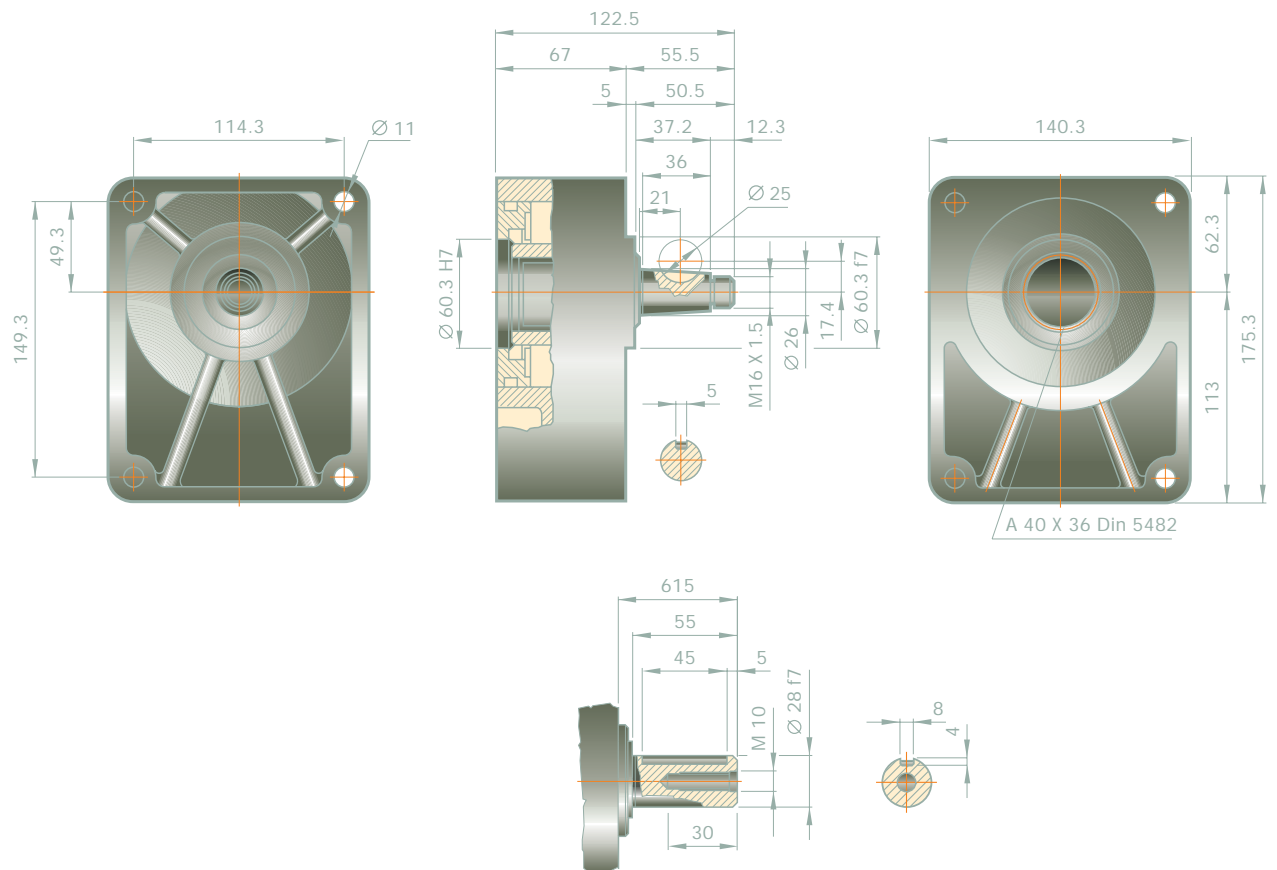
Carichi assiali 140 daN
Axial loads 140 daN

2005

HS30

Gruppo 3.5 HS 35

Group 3.5 HS 35



Carichi assiali 170 daN
Axial loads 170 daN

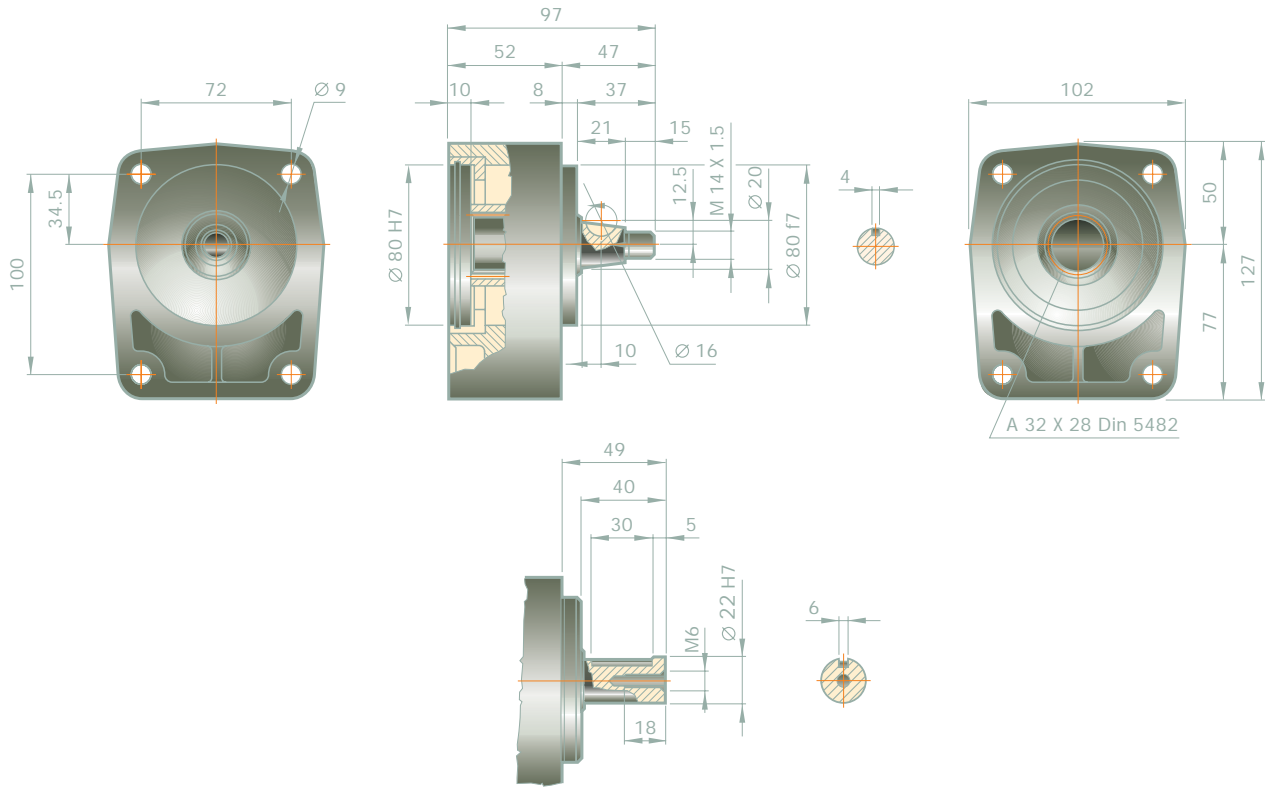
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HS35

Gruppo 2 HS 21

Group 2 HS 21



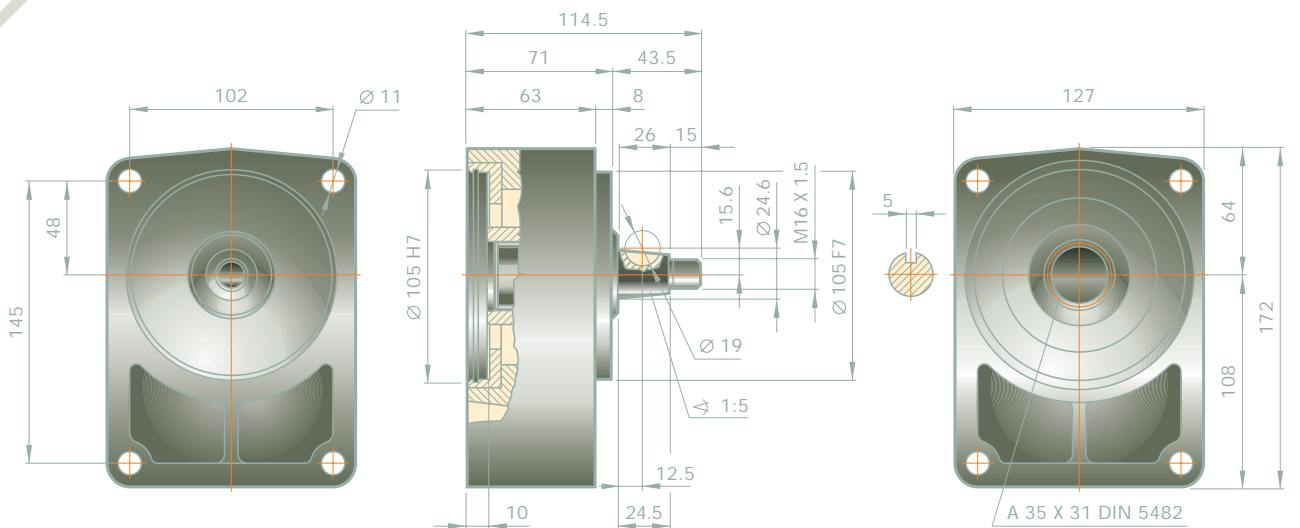
Carichi assiali 130 daN
Axial loads 130 daN

2005

HS21

Gruppo 3 HS 31

Group 3 HS 31



Carichi assiali 170 daN
Axial loads 170 daN

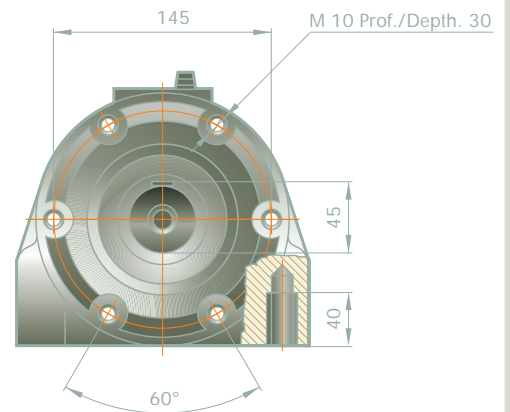
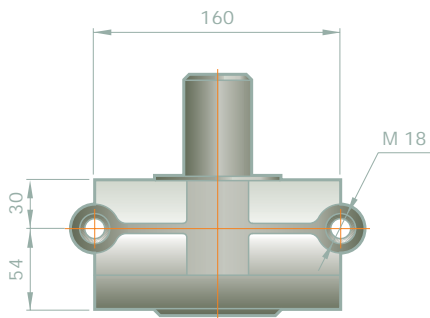
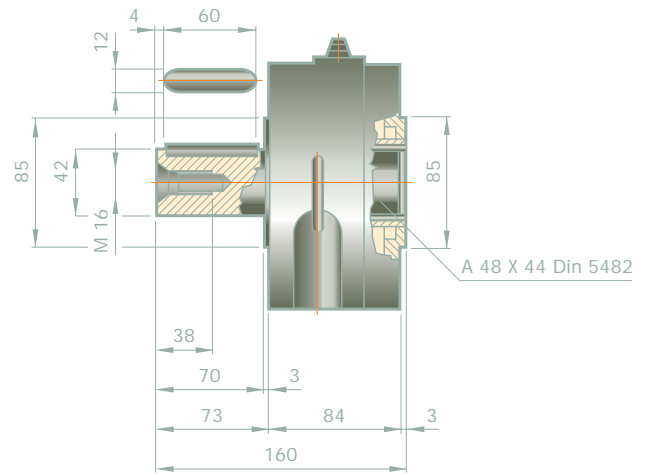
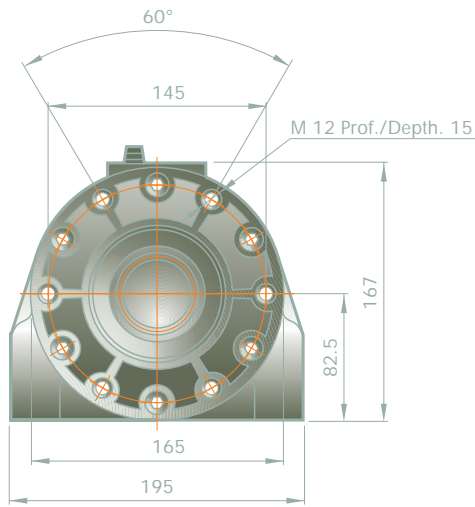
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HS31

Gruppo 4 HS 40

Group 4 HS 40



Carichi assiali 150 daN
Axial loads 150 daN

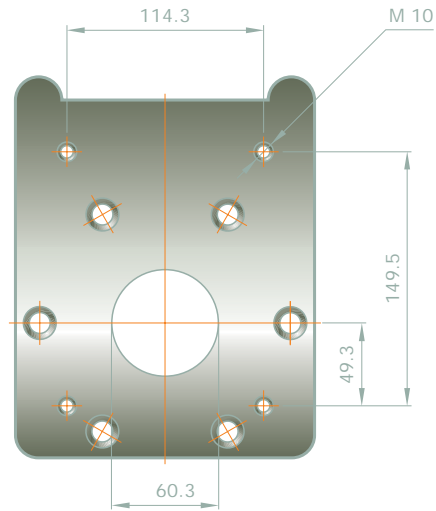
2005

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Flangia FS 40/E

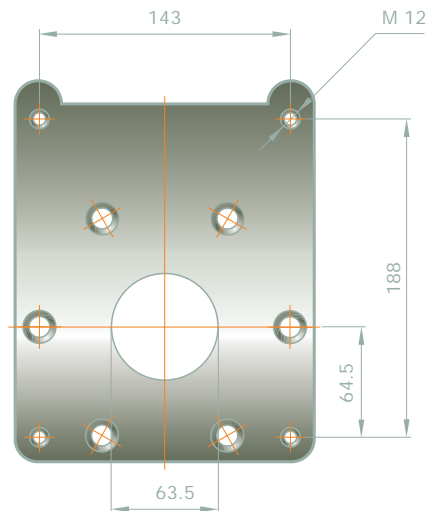
Flange FS 40/E



Flangia gruppo 3.5 tipo FS 40/E
 Flange group 3.5 type FS 40/E

Flangia FS 40/F

Flange FS 40/F



Flangia gruppo 4 tipo FS 40/F
 Flange group 4 type FS 40/F

2005

FS
 40/E

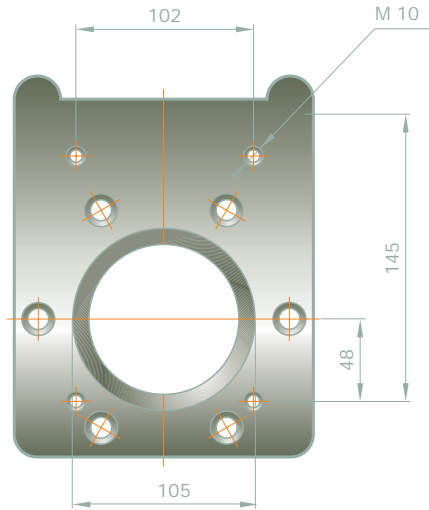
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FS
 40/F

Flangia FS 40/N

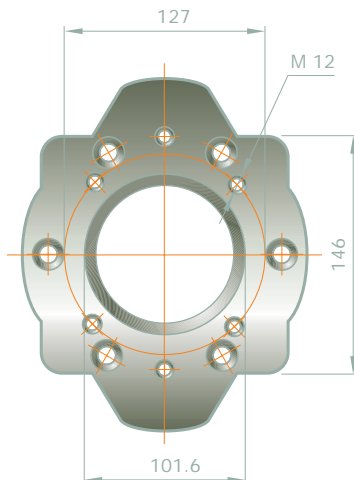
Flange FS 40/N



Flangia gruppo 3 BOSCH tipo FS 40/N
 Flange group 3 BOSCH type FS 40/N

Flangia FS 40/QV

Flange FS 40/QV



Flangia SAE B 2 & 4 fori tipo FS 40/QV
 Flange SAE B 2 & 4 holes type FS 40/QV

2005

FS
 40/N

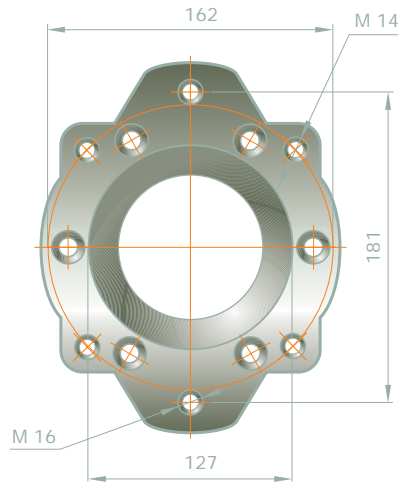
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FS 40
 QV

Flangia FS 40/RS

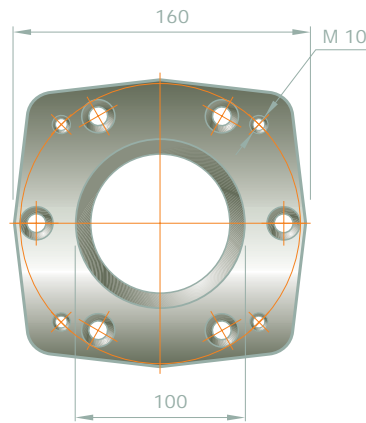
Flange FS 40/RS



Flangia SAE C 2 & 4 fori tipo FS 40/RS
 Flange SAE C 2 & 4 fori type FS 40/RS

Flangia FS 40/WY

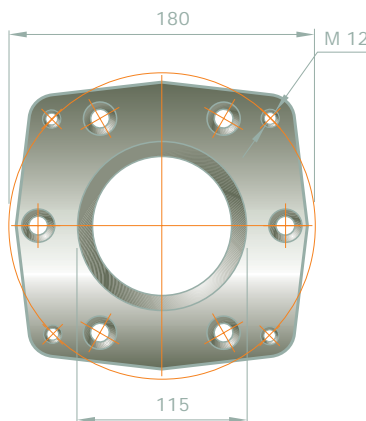
Flange FS 40/WY



Flangia LINDE PF 20-35-50 tipo FS 40/WY
 Flange LINDE PF 20-35-50 type FS 40/WY

Flangia FS 40/Z

Flange FS 40/Z



Flangia LINDE PF 75 tipo FS 40/Z
 Flange LINDE PF 75 type FS 40/Z

FL 40
RS

2005

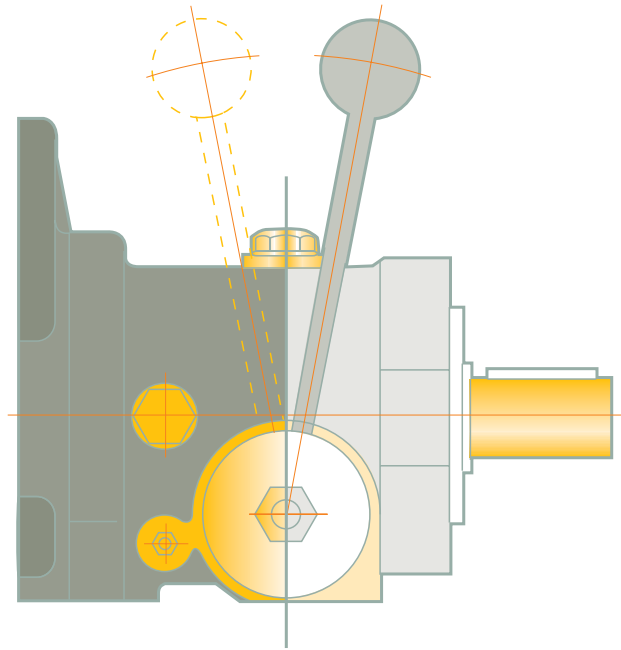
FS 40
WY

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FS
40/Z

MECHANICAL OR ELECTROMAGNETIC CLUTCHES



ESEMPIO DI ORDINAZIONE EXAMPLE ORDER

HI	INNESTI MECCANICI E ELETTROMAGNETICI A DENTI FRONTALI MECHANICAL AND ELECTROMAGNETIC COUPLINGS WITH FRONT TEETH		
30	INNESTI MECCANICI E ELETTROMAGNETICI MECHANICAL AND ELECTROMAGNETIC COUPLINGS		
R	TIPO - ROTAZIONE TYPE - ROTATION		
B	TIPO - PREDISPOSIZIONE PER POMPA TYPE - PUMP PRE-SETTING		
12	TIPO - TENSIONE INNESTI ELETTROMAGNETICI TYPE - VOLTAGE ELECTROMAGNETIC CLUTCHES		
HI	INNESTI MECCANICI E ELETTROMAGNETICI A DENTI FRONTALI MECHANICAL AND ELECTROMAGNETIC COUPLINGS WITH FRONT TEETH		
HI	Innesti meccanici a denti frontali Mechanical coupling with front teeth	HE Innesti elettromagnetici Electromagnetic couplings	HE-PLV Innesti elettromagnetici PLV Electromagnetic couplings with PLV
30	INNESTI MECCANICI E ELETTROMAGNETICI MECHANICAL AND ELECTROMAGNETIC COUPLINGS		
20	Innesti meccanici gruppo 1 & 2 Mechanical clutches group 1 & 2	10 Innesti elettromagnetici daNm 10 Electromagnetic clutches daNm 10	21 Innesti elettromagnetici daNm 21 Electromagnetic clutches daNm 21
30	Innesti meccanici gruppo 2 & 3 Mechanical clutches group 2 & 3	14 Innesti elettromagnetici daNm 14 Electromagnetic clutches daNm 14	30 Innesti elettromagnetici daNm 30 Electromagnetic clutches daNm 30
40	Innesti meccanici gruppo 3.5 & 4 Mechanical clutches group 3.5 & 4		
R	TIPO - ROTAZIONE TYPE - ROTATION		
D	Destro Clockwise	S Sinistro Anticlockwise	R Reversibile Reversible
B	TIPO - PREDISPOSIZIONE PER POMPA TYPE - PUMP PRE-SETTING		
A 1U	Gruppo 1 Universale Group 1 Universal	F 4U Gruppo 4 Universale Group 4 Universal	T SAE A 4 fori SAE A 4 holes
B 2U	Gruppo 2 Universale Group 2 Universal	M ZFRS Gruppo 2 Bosch Group 2 Bosch	Q SAE B 2 fori SAE B 2 holes
C 3U	Gruppo 3 Universale Group 3 Universal	N ZGRS Gruppo 3 Bosch Group 3 Bosch	V SAE B 4 fori SAE B 4 holes
D T250	Gruppo 3 Turolla 250 Group 3 Turolla 250	P SAE A 2 fori SAE A 2 holes	R SAE C 2 fori SAE C 2 holes
E 3.5U	Gruppo 3.5 Universale Group 3.5 Universal		Z LINDE PF 50 LINDE PF 50
12	TIPO - TENSIONE INNESTI ELETTROMAGNETICI TYPE - VOLTAGE ELECTROMAGNETIC CLUTCHES		
12	Volt	24 Volt	



CARATTERISTICHE TECNICHE

INNESTI MECCANICI SERIE HI-20 - HI-30 - HI-40. Gli innesti di nostra produzione sono bidirezionali e unidirezionali. Nelle fasi di accoppiamento con le pompe oleodinamiche è importante effettuare l'operazione di innesto e disinnesto della pompa con la valvola direzionale in posizione di scarico ad una velocità non superiore a 1800 giri/1. Nella versione reversibile la velocità massima di innesto e disinnesto è di 1000 giri/1.

LUBRIFICAZIONE. Olio tipo SAE 90. Il cambio dell'olio deve essere effettuato ogni 12 mesi.

TEMPERATURA D'ESERCIZIO. Temperatura max. di esercizio = +80 °C. Temperatura min. di esercizio = -10 °C.

INNESTI ELETTROMAGNETICI SERIE HE-10 - HE-14 - HE-21 - HE-30. Per ottenere i valori richiesti di coppia nominale degli innesti elettromagnetici bisogna sottoporli ad una fase di rodaggio. Il completamento del rodaggio si riferisce a più operazioni di innesto e disinnesto della frizione ad elevata velocità con la pompa in scarico. Importante controllare nella fase di montaggio che sulle superfici di trascinamento della puleggia non vi siano presenti delle tracce d'olio, o grasso o altre sostanze untuose, ma devono essere perfettamente pulite.

Nel montaggio di elettrofrizioni, con flangia di trascinamento frontale, occorre controllare l'esatto allineamento dell'accoppiamento.

L'applicazione delle frizioni elettromagnetiche non deve superare la coppia nominale perché si determinerebbe uno slittamento delle superfici di contatto; questa fase non deve durare oltre 5 secondi, perché le bobine potrebbero bruciare.

TECHNICAL DETAILS

MECHANICAL COUPLINGS. They are unidirectional and bidirectional. When coupling with hydraulic pumps we recommend to engage and disengage the pump when the directional valve is in exhaust position at a speed not over 1800 R.P.M.

In the reversible position the max engagement and disengagement speed is 1000 R.P.M.

LUBRIFICATION. Oil type SAE 90. Change oil every 12 months.

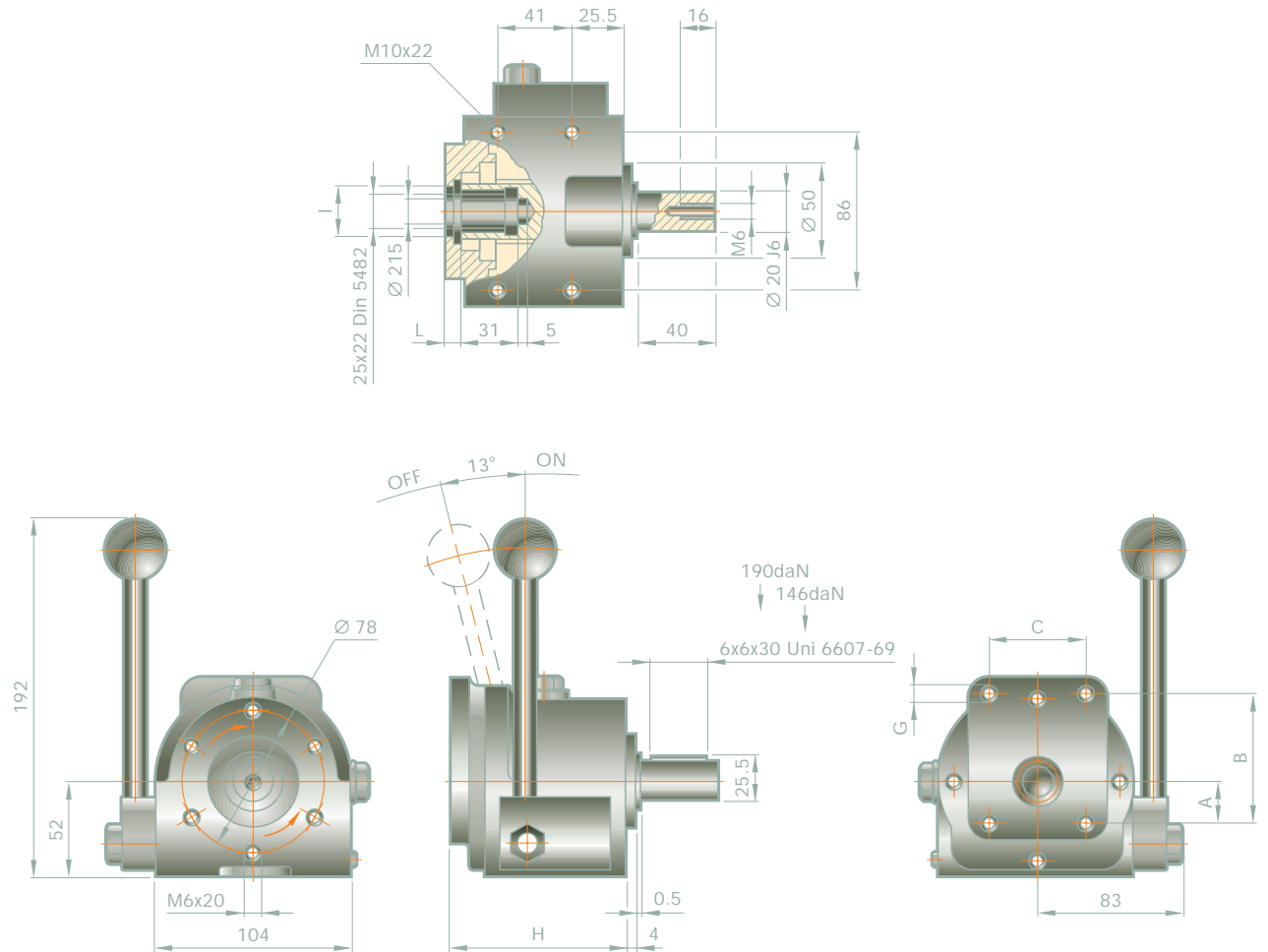
WORKING TEMPERATURE. Max working temperature = +80 °C. Min. working temperature = -10 °C.

ELECTROMAGNETIC COUPLINGS. Running-in is required to obtain the desired rated torque values out of the electromagnetic couplings. Running-in is carried out by engaging and disengaging clutch at high speed several times with the pump in exhaust position.

During assembly, make sure that there are no oil nor grease traces on pulley surfaces for the fact that they must be perfectly clean.

When assembling electric clutches with front driving flange, check for proper coupling alignment. Do not exceed rated torque because this would cause slippage of contact surface. This should not last more than 5 secs since coils could burn.

MECHANICAL COUPLINGS WITH FRONT TEETH HI-20



Gli innesti meccanici con due frecce direzionali sono reversibili - The mechanical coupling with two direction arrows are reversible

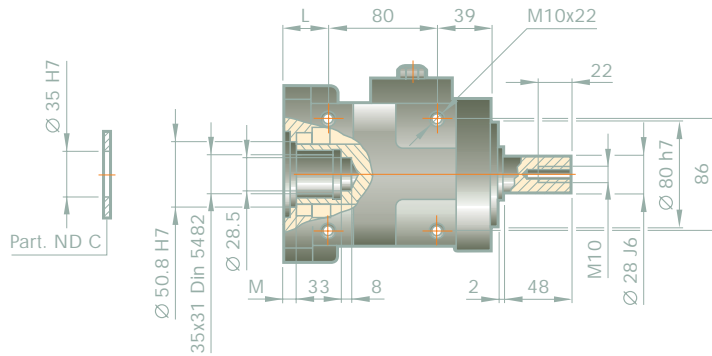
VELOCITÀ MAX MAX. SPEED	COPPIA NOMINALE NOMINAL TORQUE	POTENZA MAX. TRASMISSIBILE MAX. POWER OUTPUT	CARICO ASSIALE AXIAL LOAD
2000 R.P.M.	9 daNm	35 kW	120 daN

FLANGE PER INNESTI HI-20 COUPLING FLANGES WITH FRONT TEETH HI-20

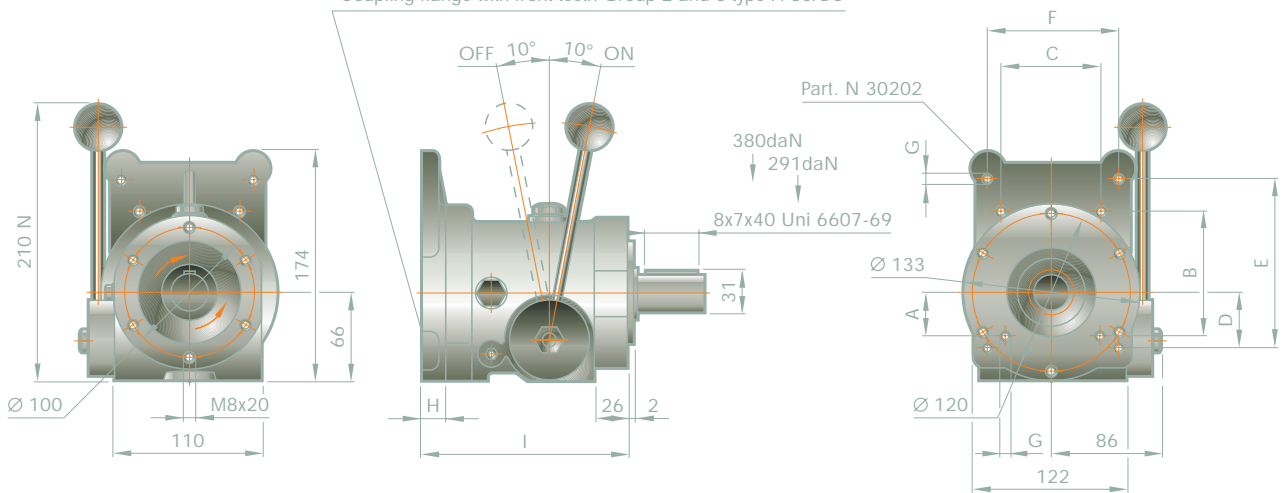
DIMENSIONI D'INGOMBRO OVER-ALL DIMENSIONS

TIPO TYPE	GRUPPO UNIT	A	B	C	I	L	G	H
FI 20/A	1U	26.3	72	52.4	25.4 H7	7	M6x12	92.5
FI 20/B	2U	32.5	96	71.4	36.5 H7	10	M8x15	95.5
FI 20/M	ZFRS	34.5	100	72	80 H7	10	M8x15	95.5

MECHANICAL COUPLINGS WITH FRONT TEETH HI-30



Flangia per innesti a denti frontali Gr.2 & Gr. 3 tipo FI 30/BC
Coupling flange with front teeth Group 2 and 3 type FI 30/BC



Gli innesti meccanici con due frecce direzionali sono reversibili - The mechanical coupling with two direction arrows are reversible

VELOCITÀ MAX.
MAX. SPEED
2700 R.P.M.

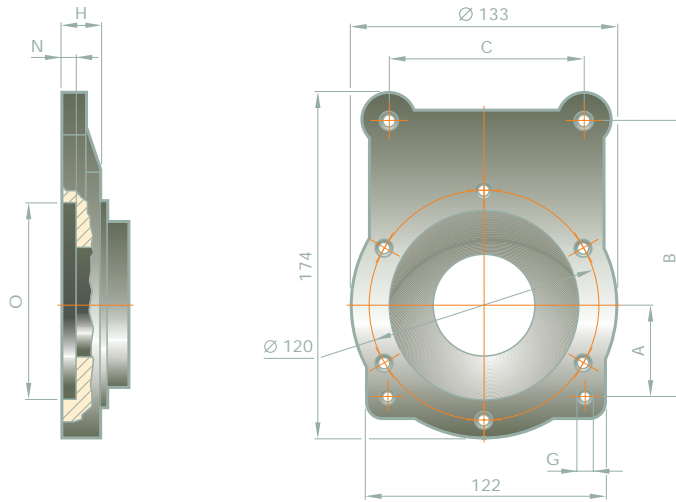
COPPIA NOMINALE
NOMINAL TORQUE
18.5 daNm

POTENZA MAX. TRASMISSIBILE
MAX. POWER OUTPUT
42 kW

CARICO ASSIALE
AXIAL LOAD
160 daN

Flangia FI 30/M - FI 30/N

Flange FI 30/M - FI 30/N

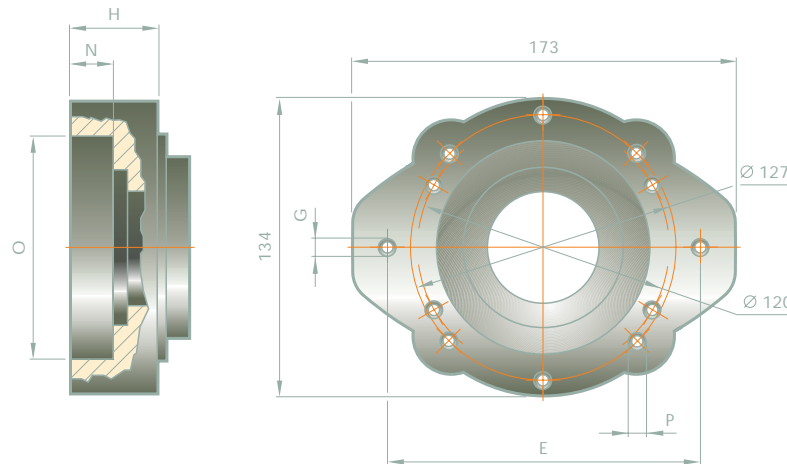


Flangia gruppo 2 BOSCH tipo FI 30/M
Flange group 2 BOSCH type FI 30/M

Flangia gruppo 3 BOSCH tipo FI 30/N
Flange group 3 BOSCH type FI 30/N

Flangia FI 30/P - FI 30/Q

Flange FI 30/P - FI 30/Q



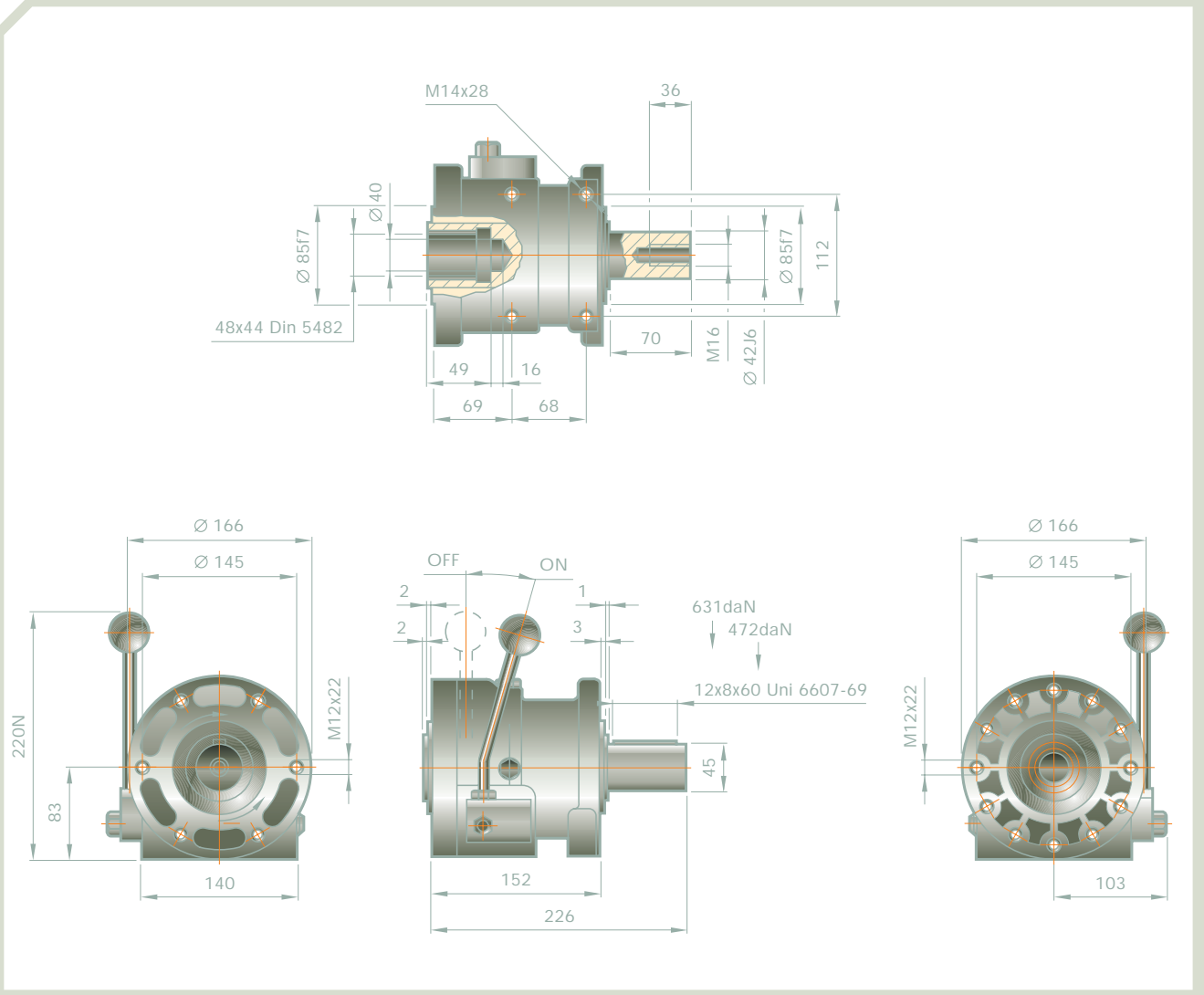
Flangia SAE A 2 fori tipo FI 30/P
Flange SAE A 2 fori type FI 30/P

Flangia SAE B 2/4 fori tipo FI 30/Q
Flange SAE B 2/4 fori tipo FI 30/Q

DIMENSIONI D INGOMBRO OVER-ALL DIMENSIONS

TIPO TYPE	GRUPPO UNIT	A	B	C	D	E	F	G	H	I	L	M	N	O H7	P
FI 30/BC	2U	32.5	96	71.4	42.5	128	98.4	M8x15	19	151	32	8.6			
	3U														
FI 30/M	ZFRS	34.5	100	72				M8x15	19	151	32	8.6	8.5	80	
FI 30/N	ZGRS	48	145	102				M10x15	19.5	151.5	32.5	9.1	9	105	
FI 30/P	SAE A 2 fori					106		M10x22	34	166	47	23.6	15	82.55	
FI 30/Q	SAE B 2/4 fori					106		M12x22	39	171	52	28.6	20	101.6	M12x22

MECHANICAL COUPLINGS WITH FRONT TEETH HI-40



Gli innesti meccanici con due frecce direzionali sono reversibili - The mechanical coupling with two direction arrows are reversible

VELOCIT. MAX. MAX. SPEED	COPPIA NOMINALE NOMINAL TORQUE	POTENZA MAX. TRASMISSIBILE MAX. POWER OUTPUT	CARICO ASSIALE AXIAL LOAD
2700 R.P.M.	58 daNm	73.5 kW	260 daN

2005

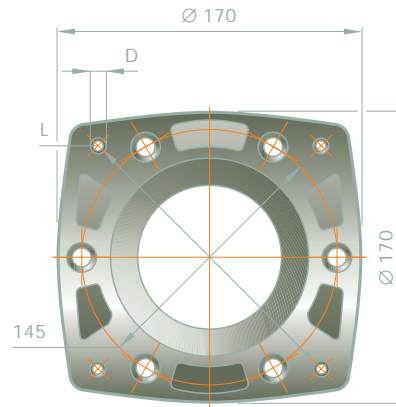
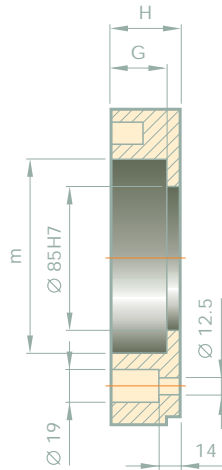
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HI-40

Flangia FI 40/W - 40/Y - 40/Z

Flange FI 40/W - 40/Y - 40/Z



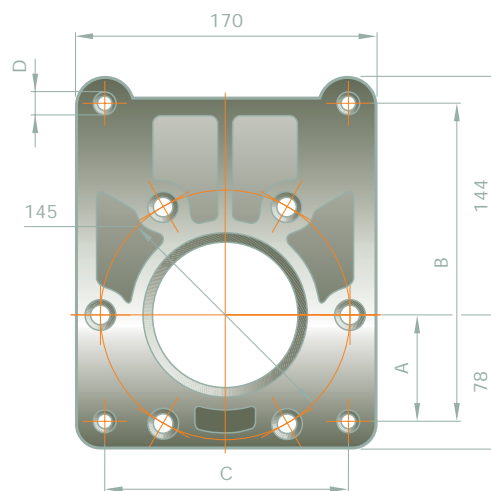
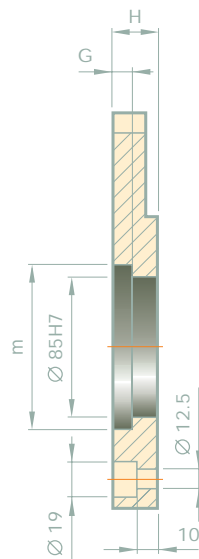
Flangia LINDE 20 - 35 tipo FI 40/W
Flange LINDE 20 - 35 type FI 40/W

Flangia LINDE 50 tipo FI 40/Y
Flange LINDE 50 type FI 40/Y

Flangia LINDE 75 tipo FI 40/Z
Flange LINDE 75 type FI 40/Z

Flangia FI 40/E - 40/F - 40/N

Flange FI 40/E - 40/F - 40/N



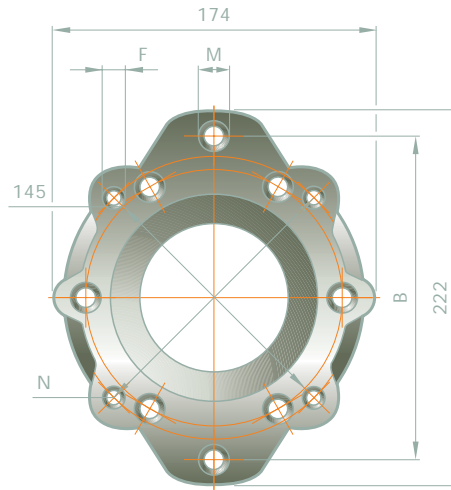
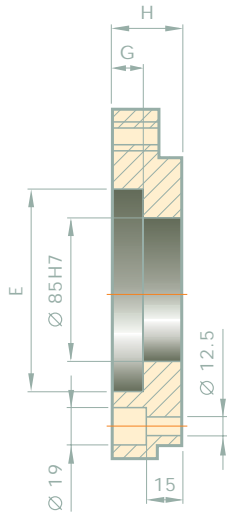
Flangia gruppo 3.5 U tipo FI 40/E
Flange group 3.5 U type FI 40/E

Flangia gruppo 4 U tipo FI 40/F
Flange group 4 U type FI 40/F

Flangia gruppo 3 BOSCH tipo FI 40/N
Flange group 3 BOSCH type FI 40/N

Flangia FI 40/P - 40/Q - 40/V - 40/R - 40/S

Flange FI 40/P - 40/Q - 40/V - 40/R - 40/S



Flangia SAE A 2 fori
tipo FI 40/P
Flange SAE A 2 holes
type FI 40/P

Flangia SAE B 2 fori
tipo FI 40/Q
Flange SAE B 2 holes
type FI 40/Q

Flangia SAE B 4 fori
tipo FI 40/V
Flange SAE B 4 holes
type FI 40/V

Flangia SAE C 2 fori
tipo FI 40/R
Flange SAE C 2 holes
type FI 40/R

Flangia SAE C 4 fori
tipo FI 40/S
Flange SAE C 4 holes
type FI 40/S

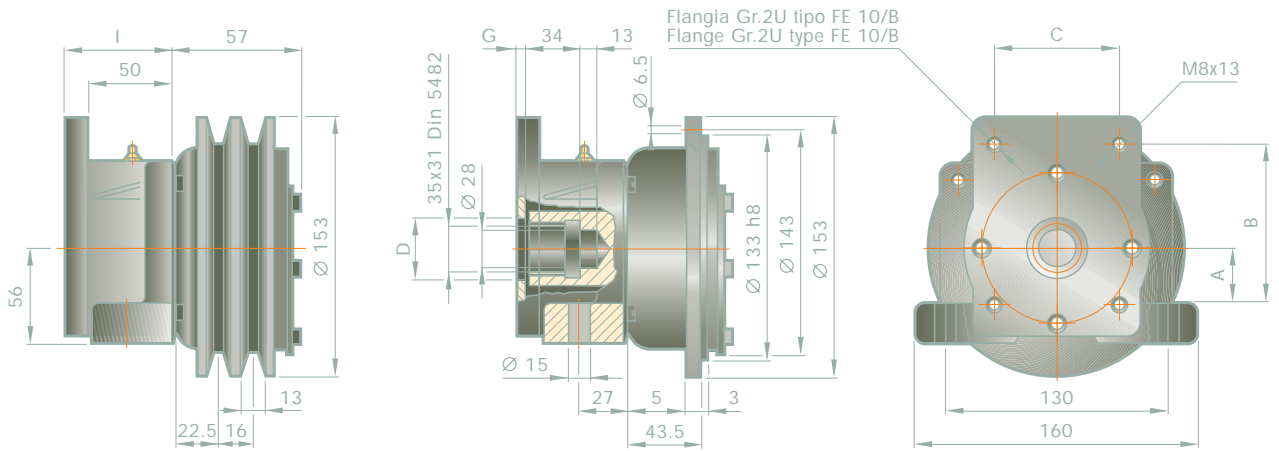
DIMENSIONI D INGOMBRO OVER-ALL DIMENSIONS

TIPO TYPE	GRUPPO UNIT	A	B	C	D	E H7	F 4 fori F4 holes	G	H	I	L	M 2 fori M 2 holes	N
FI 40/E	3.5U	49.3	149.5	114.3	M10x20	60.3			23				
FI 40/F	4U	64.5	188	143	M12x22	63.5			23				
FI 40/N	ZGRS	48	145	102	M10x15	105		12	18				
FI 40/P	SAE A 2 fori/holes				M10x15	82.55	M12x20	12	30	106		M12x25	
FI 40/Q	SAE B 2 fori/holes					101.6		16	30	146		M12x25	
FI 40/V	SAE B 4 fori/holes					101.6	M12x20	16	30				127
FI 40/R	SAE C 2 fori/holes					127		16	37	181		M16x25	
FI 40/S	SAE C 4 fori/holes					127	M14x25	16	37				162
FI 40/W	LINDE 20 - 35				M10x16	100		23	27.5		160		
FI 40/Y	LINDE 50				M10x25	100		32.5	37		160		
FI 40/Z	LINDE 75				M12x25	115		33	37.5		160		

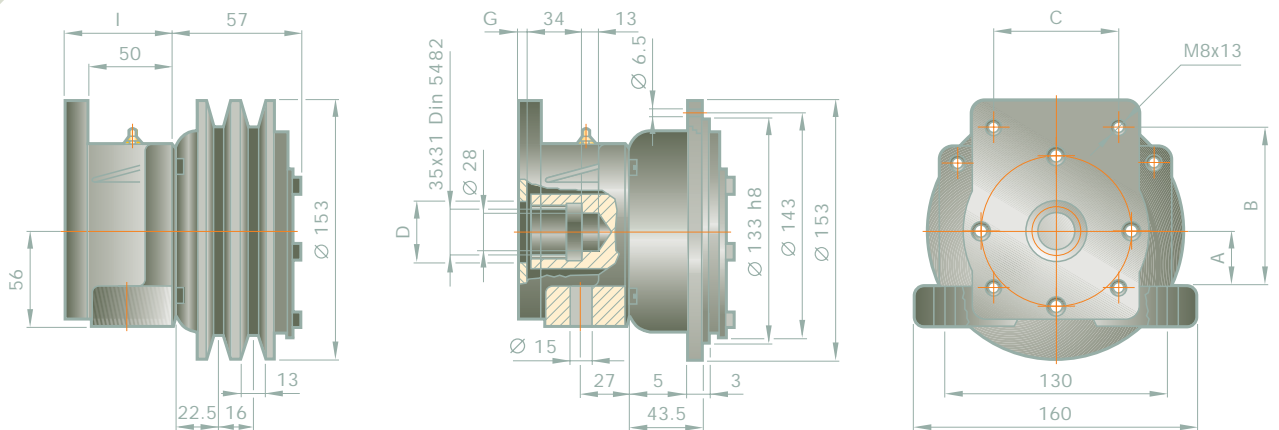
* INNESTI ELETTRROMAGNETICI

10 daNm HE-10 14 daNm HE-14

ELECTROMAGNETIC COUPLINGS 10 daNm HE-10



ELECTROMAGNETIC COUPLINGS 14 daNm HE-14



TIPO TYPE	VELOCIT' MAX MAX. SPEED	TENSIONE VOLTAGE	ASSORBIMENTO ABSORPTION
HE-10	3000 R.P.M.	12 V c.c. - 24 V c.c.	40 W
HE-14	3000 R.P.M.	12 V c.c. - 24 V c.c.	40 W

TIPO TYPE	VELOCIT' ROTAZIONE GIRI/L SPEED ROTATION PER MINUTE						TEMPO INNESTO ENGAGEMENT TIME ms	TEMPO DISINNESTO DISENGAGEMENT TIME ms	TEMP. ESERCIZIO WORKING TEMPERATURE °C
	500	1000	1500	2000	2500	3000			
	daNm								
HE-10	8.5	7	4.2	3.5	2.7	2.5	25	40	-25 +45
HE-14	12.5	11	8.2	7.5	6.7	6.5	20	35	-25 +45

La tabella riporta i valori di coppia dinamica in daNm sostenuti dagli innesti HE-10 e HE-14 al variare del numero di giri e alla temperatura di 20 °C.

The table shows the values of the dynamic couple in daNm, supported by engagements HE-10 and HE-14 in relation to the variation of the number of revolutions and of the temperature of 20 °C.

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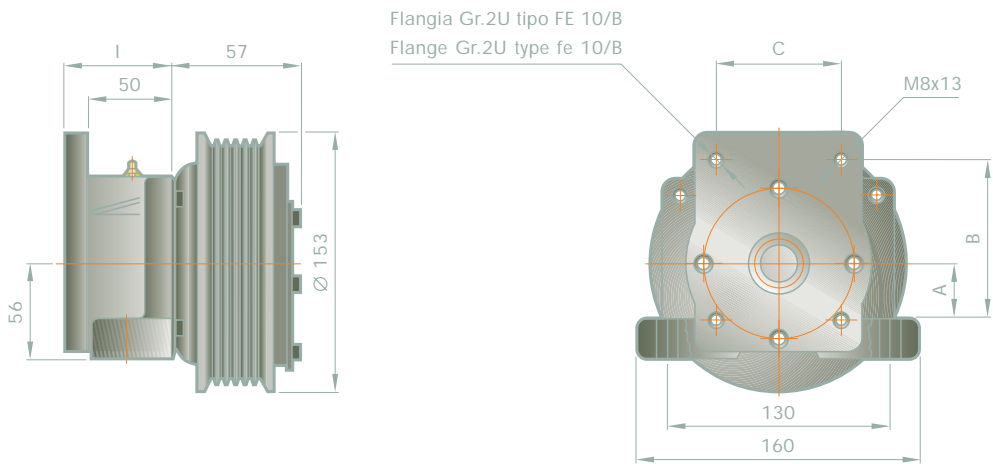


HE-14

* INNESTI ELETTRICITÀ

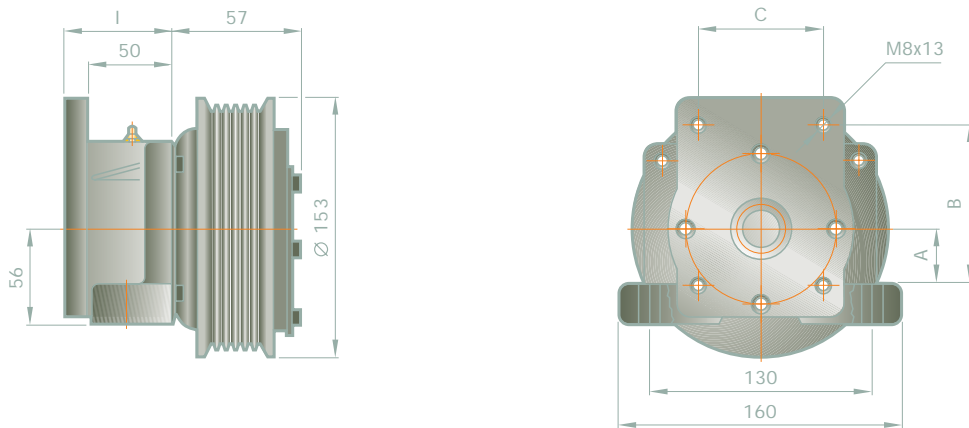
CON CINGHIA PLV 10 daNm HE-10 14 daNm HE-14

ELECTROMAGNETIC COUPLINGS WITH PLV BELT 10 daNm HE-10



HE-10

ELECTROMAGNETIC COUPLINGS WITH PLV BELT 14 daNm HE-14



2005

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TIPO TYPE	VELOCIT' MAX MAX. SPEED	TENSIONE VOLTAGE	ASSORBIMENTO ABSORPTION
HE-10	3000 R.P.M.	12 V c.c. - 24 V c.c.	40 W
HE-14	3000 R.P.M.	12 V c.c. - 24 V c.c.	40 W

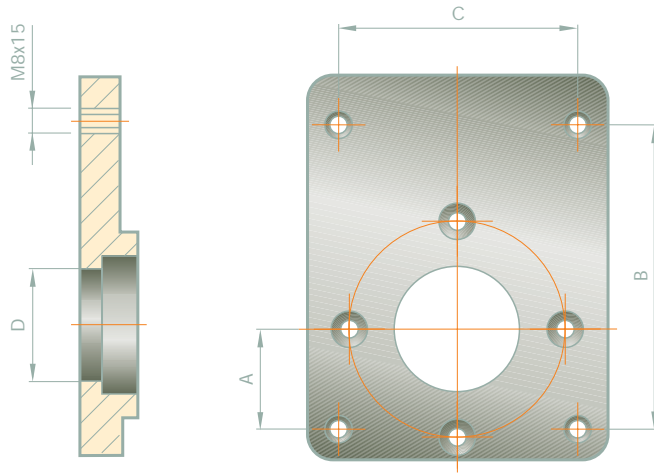
TIPO TYPE	VELOCIT' ROTAZIONE GIRI/L SPEED ROTATION PER MINUTE						TEMPO INNESTO ENGAGEMENT TIME ms	TEMPO DISINNESTO DISENGAGEMENT TIME ms	TEMP. ESERCIZIO WORKING TEMPERATURE °C
	500	1000	1500	2000	2500	3000			
	daNm								
HE-10	8.5	7	4.2	3.5	2.7	2.5	25	40	-25 +45
HE-14	12.5	11	8.2	7.5	6.7	6.5	20	35	-25 +45

La tabella riporta i valori di coppia dinamica in daNm sostenuti dagli innesti HE-10 e HE-14 al variare del numero di giri e alla temperatura di 20 °C.
The table shows the values of the dynamic couple in daNm, supported by engagements HE-10 and HE-14 in relation to the variation of the number of revolutions and of the temperature of 20 °C.

HE-14

Flangia FE 10/C

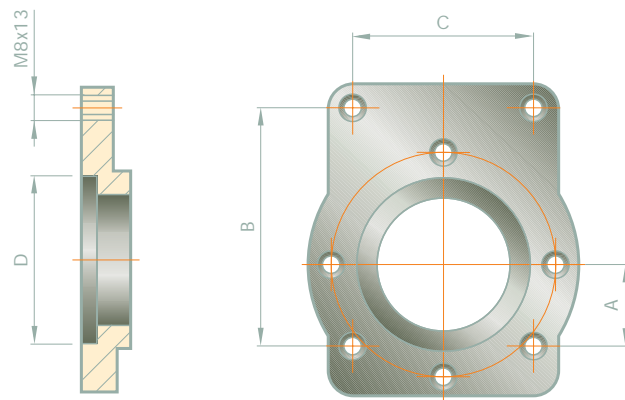
Flange FE 10/C



Flangia gruppo 3U tipo FE 10/C
Flange group 3U type FE 10/C

Flangia FE 10/M

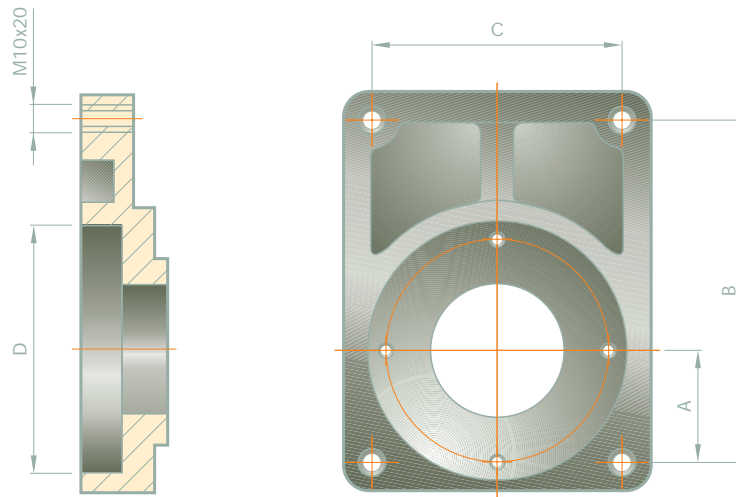
Flange FE 10/M



Flangia gruppo 2 BOSCH tipo FE 10/N
Flange group 2 BOSCH type FE 10/N

Flangia FE 10/N

Flange FE 10/N

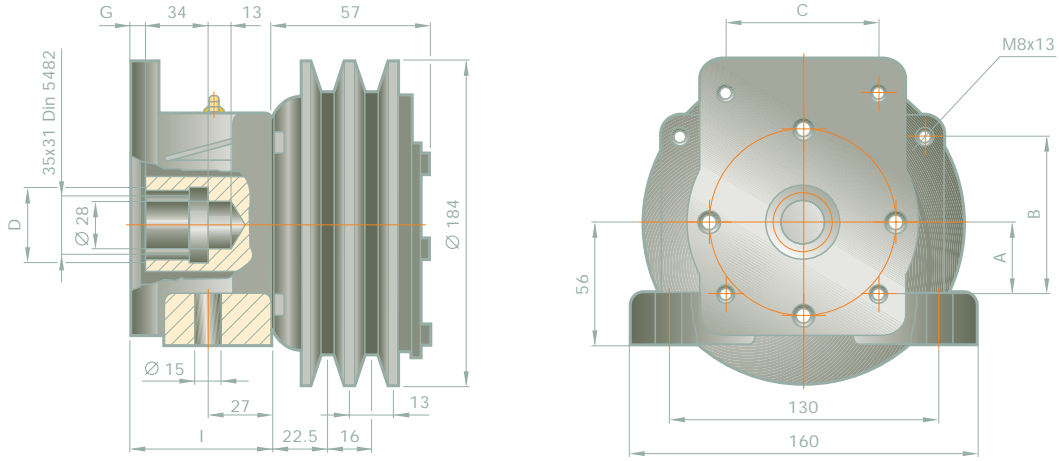


Flangia gruppo 3 BOSCH tipo FE 10/N
Flange group 3 BOSCH type FE 10/N

DIMENSIONI D INGOMBRO OVER-ALL DIMENSIONS

TIPO TYPE	GRUPPO UNIT	A	B	C	D H7	G	HE-10 I	HE-14 I	HE-21 I
FE 10/B	2U	32.5	96	71.4	36.5 H7	6.5	63		70.5
FE 10/C	3U	42.5	128	98.4	50.8 H7	8.5	65		72
FE 10/M	ZFRS	34.5	100	72	80 H7	6.5	63		70.5
FE 10/N	ZGRS	48	145	102	105 H7	21.5	78		78

ELECTROMAGNETIC COUPLINGS 21 daNm HE-21



2005

TIPO TYPE	VELOCIT' MAX MAX. SPEED	TENSIONE VOLTAGE	ASSORBIMENTO ABSORPTION
HE-21	5000 R.P.M.	12 V c.c. - 24 V c.c.	50 W

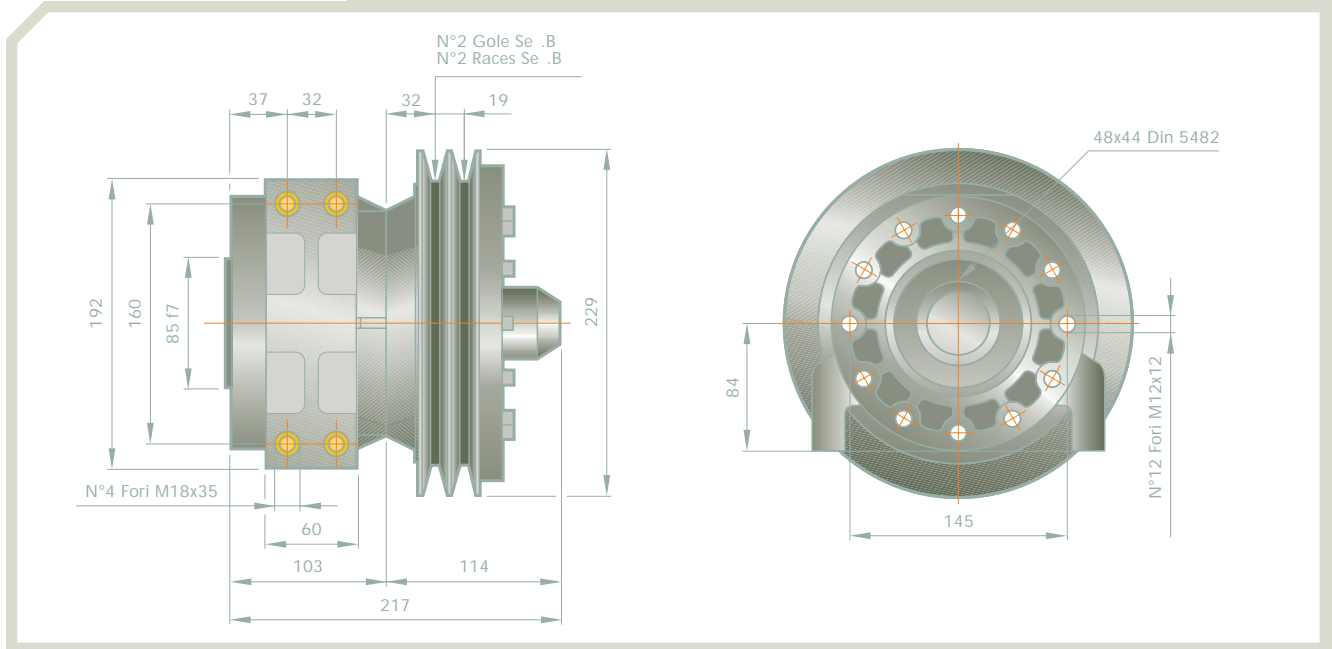
TIPO TYPE	VELOCIT' ROTAZIONE GIRI/L SPEED ROTATION PER MINUTE						TEMPO INNESTO ENGAGEMENT TIME ms	TEMPO DISINNESTO DISENGAGEMENT TIME ms	TEMP. ESERCIZIO WORKING TEMPERATURE °C
	500	1000	1500	2000	2500	3000			
HE-21	14.5	12	9.5	8.8	8	7.8	25	40	-25 +45

La tabella riporta i valori di coppia dinamica in daNm sostenuti dagli innesti HE-21 al variare del numero di giri e alla temperatura di 20 °C.

The table shows the values of the dynamic couple in daNm, supported by engagements HE-21 in relation to the variation of the number of revolutions and of the temperature of 20 °C.



ELECTROMAGNETIC COUPLINGS 30 daNm HE-30



2005

TIPO TYPE	VELOCIT' MAX MAX. SPEED	TENSIONE VOLTAGE	ASSORBIMENTO ABSORPTION
HE-30	3000 R.P.M.	12 V c.c. - 24 V c.c.	80 W

TIPO TYPE	VELOCIT' ROTAZIONE GIRI/L SPEED ROTATION PER MINUTE						TEMPO INNESTO ENGAGEMENT TIME ms	TEMPO DISINNESTO DISENGAGEMENT TIME ms	TEMP. ESERCIZIO WORKING TEMPERATURE °C
	500	1000	1500	2000	2500	3000			
HE-30	33	31.5	28.7	28	27.2	27	25	35	-25 +45

La tabella riporta i valori di coppia dinamica in daNm sostenuti dagli innesti HE-30 al variare del numero di giri e alla temperatura di 20 °C.

The table shows the values of the dynamic couple in daNm, supported by engagements HE-30 in relation to the variation of the number of revolutions and of the temperature of 20 °C.

FLANGE PER INNESTI HE-30 COUPLING FLANGES HE-30

DIMENSIONI D INGOMBRO OVER-ALL DIMENSIONS

TIPO TYPE	GRUPPO UNIT	A	B	C	D	E H7	F 4 fori F4 holes	G	H	I	L	M 2 fori M 2 holes	N
FI 40/E	3.5U	49.3	149.5	114.3	M10x20	60.3			23				
FI 40/F	4U	64.5	188	143	M12x22	63.5			23				
FI 40/N	ZGRS	48	145	102	M10x15	105		12	18				
FI 40/P	SAE A 2 fori/holes				M10x15	82.55	M12x20	12	30	106		M12x25	
FI 40/Q	SAE B 2 fori/holes					101.6		16	30	146		M12x25	
FI 40/V	SAE B 4 fori/holes					101.6	M12x20	16	30				127
FI 40/R	SAE C 2 fori/holes					127		16	37	181		M16x25	
FI 40/S	SAE C 4 fori/holes					127	M14x25	16	37				162
FI 40/W	LINDE 20 - 35				M10x16	100		23	27.5		160		
FI 40/Y	LINDE 50				M10x25	100		32.5	37		160		
FI 40/Z	LINDE 75				M12x25	115		33	37.5		160		





▶ NOTES

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▶ NOTES

A series of horizontal dotted lines for writing notes, covering the majority of the page.





