

## CARATTERISTICHE PRINCIPALI

### MAIN CHARACTERISTICS

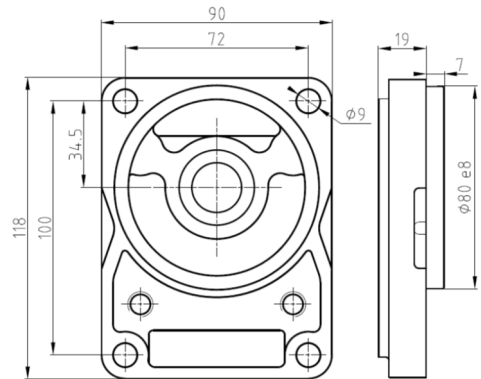
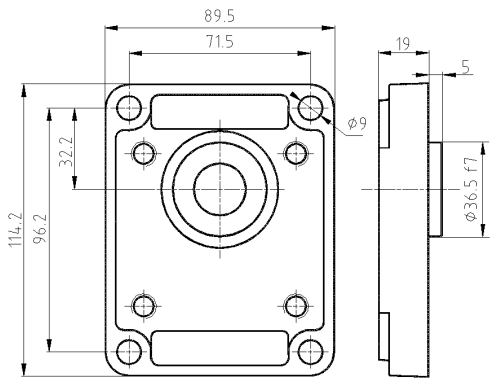
Tipo - Type		04	06	08	11	14	17	20	25	31
Cilindrata Capacity	Cm <sup>3</sup> / giro Cm <sup>3</sup> / rev	4.4	6.28	8.16	11.3	14.45	16.95	20.1	25.75	31.4
P1 Pressione max continua Max working pressure	Bar	300	300	300	300	300	270	230	180	160
P2 Pressione intermittente intermittent pressure	Bar	340	310	310	310	300	270	240	200	170
P3 Pressione max di picco Max peak pressure	Bar	360	360	360	360	360	330	290	230	200
Velocità max per pressione P1 Max speed for P1 pressure	Giri / min Rpm	4500	4500	3700	3300	2700	2500	2500	2500	2200
Velocità max a vuoto Max speed without load	Giri / min Rpm	5500	5500	4700	4000	3300	3000	3000	3000	2700
Velocità min. per pressione P1 Min speed for P1 pressure	Giri / min Rpm	1000	700	550	450	400	350	300	250	200

**VERIFICARE, ATTRAVERSO LE FORMULE A PAGINA 4, LA COMPATIBILITÀ TRA LE PRESTAZIONI DI PRESSIONE E PORTATA RICHIESTE, E LA CAPACITÀ DELL'ALBERO DI TRASCINAMENTO DI SOPPORTARE LA COPPIA RICHIESTA.**

**VERIFY THE COMPATIBILITY AMONG PERFORMANCE OF PRESSURE, FLOW REQUIRED AND TORQUE OF THE SHAFT THROUGH THE FORMULAS ON PAGE 4.**

Per pompe o motori bidirezionali, diminuire la pressione del 15%.  
With bidirectional pumps or motors, pressure is reduced by 15%.

**FLANGE**  
**FLANGES**



**CODICE**  
**CODE**

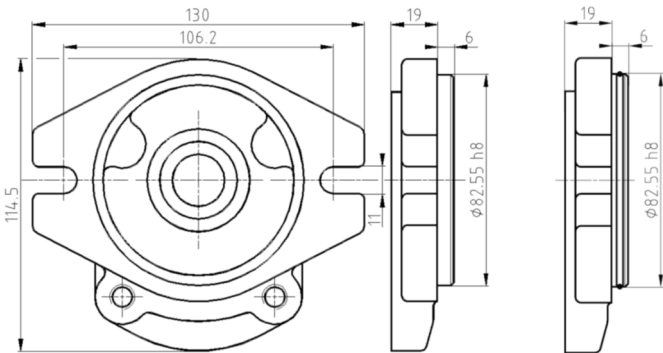
**A 0**

NOTA: Materiale Ghisa  
NOTE: Material Cast iron

**CODICE**  
**CODE**

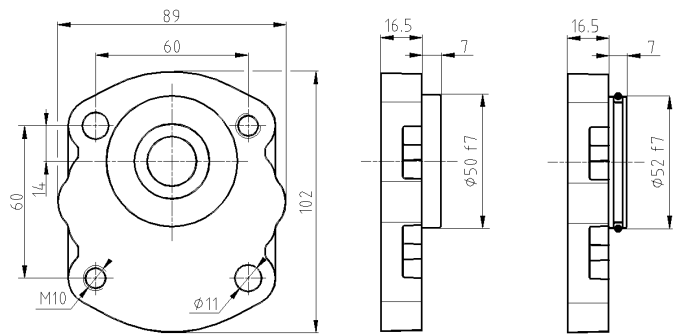
**B 1**

NOTA: Materiale Ghisa  
NOTE: Material Cast iron



**C4**

**C7**



**D3**

**D2**

**CODICE**  
**CODE**

**C 4**

**CODICE**  
**CODE**

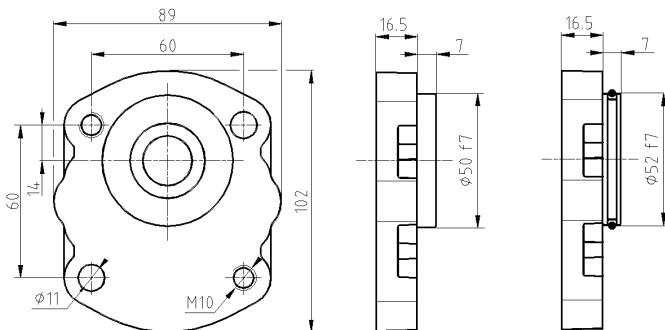
**D 3**

NOTA: Materiale Ghisa  
NOTE: Material Cast iron

**C 7**

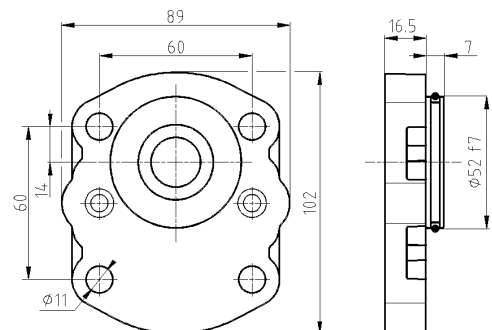
NOTA: Materiale Ghisa  
NOTE: Material Cast iron

**D 2**



**M3**

**M2**



**CODICE**  
**CODE**

**M 3**

**CODICE**  
**CODE**

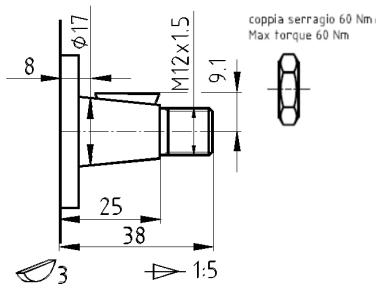
**E 2**

NOTA: Materiale Ghisa  
NOTE: Material Cast iron

**M 2**

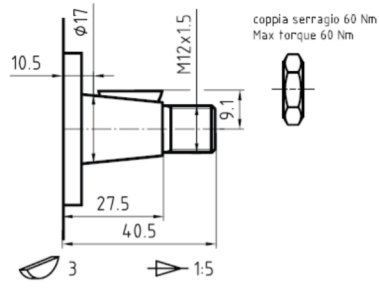
NOTA: Materiale Ghisa  
NOTE: Material Cast iron

**ALBERI**  
**SHAFTS**



CODICE / CODE	A
PER FLANGIA / FOR FLANGE	B 1

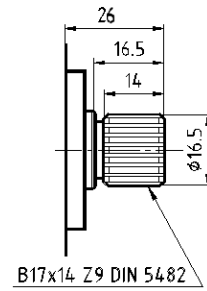
Coppia max 140 Nm  
Max torque 140 Nm



CODICE / CODE	A
PER FLANGIA / FOR FLANGE	D 3

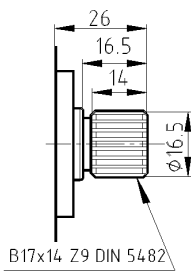
Coppia max 140 Nm  
Max torque 140 Nm

L 3
M 3



CODICE / CODE	B
PER FLANGIA / FOR FLANGE	B 1

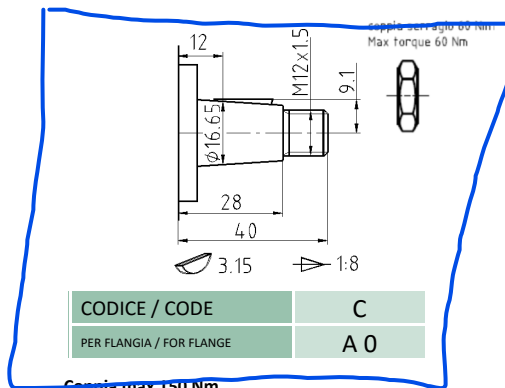
Coppia max 110 Nm  
Max torque 110 Nm



CODICE / CODE	B
PER FLANGIA / FOR FLANGE	D 3

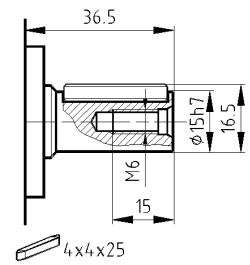
Coppia max 110 Nm  
Max torque 110 Nm

L 3
M 3



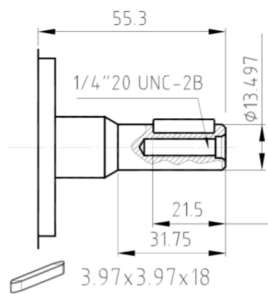
CODICE / CODE	C
PER FLANGIA / FOR FLANGE	A 0

Coppia max 150 Nm  
Max torque 150 Nm



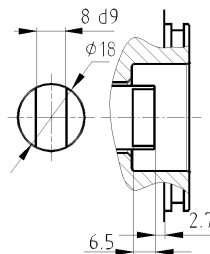
CODICE / CODE	E
PER FLANGIA / FOR FLANGE	A 0

Coppia max 70 Nm  
Max torque 70 Nm



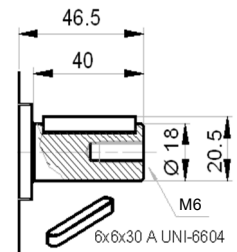
CODICE / CODE	H
PER FLANGIA / FOR FLANGE	C 4

Coppia max 60 Nm  
Max torque 60 Nm



CODICE / CODE	F
PER FLANGIA / FOR FLANGE	E 2

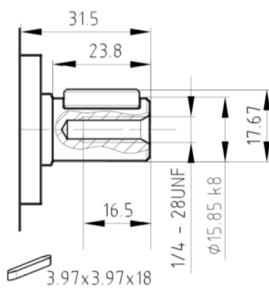
Coppia max 75 Nm  
Max torque 75 Nm



SOLO CON SUPPORTI INTEGRATI TIPO 1  
WITH OUTBOARD BEARING TYPE 1

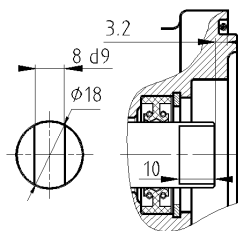
CODICE / CODE	G
PER FLANGIA / FOR FLANGE	A 0

Coppia max 85 Nm  
Max torque 85 Nm



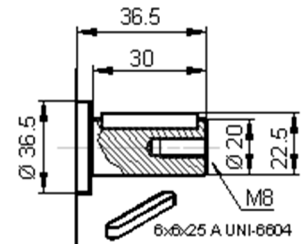
CODICE / CODE	L
PER FLANGIA / FOR FLANGE	C 4

Coppia max 75 Nm  
Max torque 75 Nm



CODICE / CODE	M
PER FLANGIA / FOR FLANGE	F 5

Coppia max 75 Nm  
Max torque 75 Nm



SOLO CON SUPPORTI INTEGRATI TIPO 1  
WITH OUTBOARD BEARING TYPE 1

CODICE / CODE	I
PER FLANGIA / FOR FLANGE	A 0

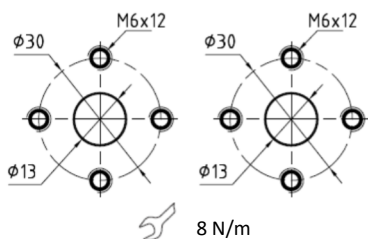
Coppia max 100 Nm  
Max torque 100 Nm

## BOCCHIE DI ASPIRAZIONE E MANDATA LATERALI

### SIDE INLET AND OUTLET PORTS

ASPIRAZIONE  
INLET

MANDATA  
OUTLET

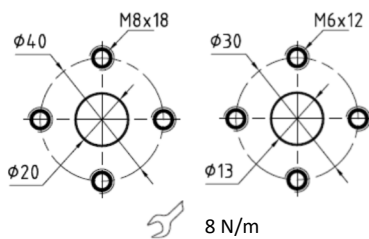


CODICE  
CODE

32

ASPIRAZIONE  
INLET

MANDATA  
OUTLET

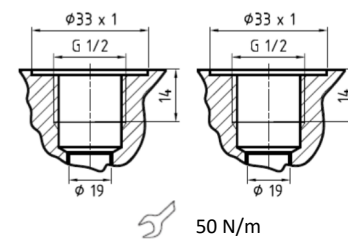


CODICE  
CODE

33

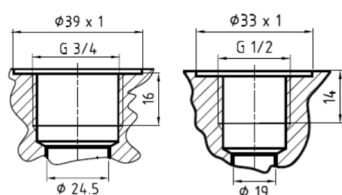
ASPIRAZIONE  
INLET

MANDATA  
OUTLET



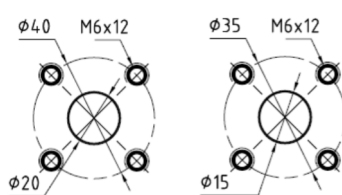
CODICE  
CODE

34



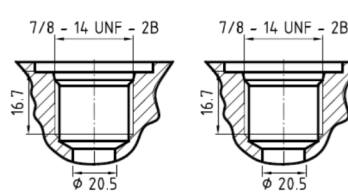
CODICE  
CODE

35



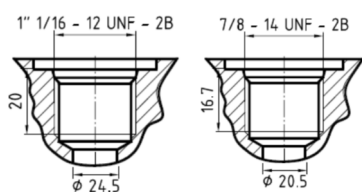
CODICE  
CODE

36



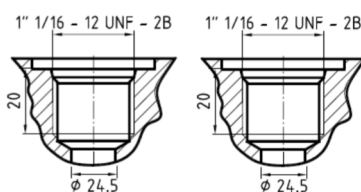
CODICE  
CODE

37



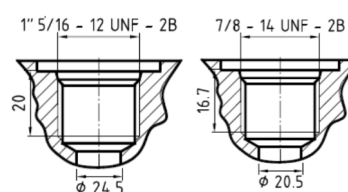
CODICE  
CODE

38



CODICE  
CODE

39

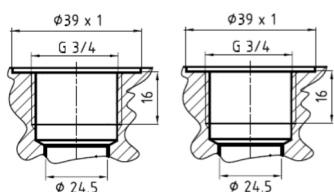


CODICE  
CODE

40

**BOCCHIE DI ASPIRAZIONE E MANDATA LATERALI**  
**SIDE INLET AND OUTLET PORTS**

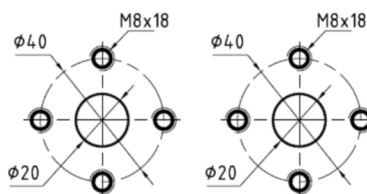
**ASPIRAZIONE**      **MANDATA**  
**INLET**              **OUTLET**



90 N/m

**CODICE**      **41**  
**CODE**

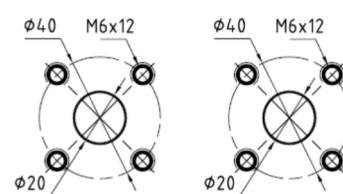
**ASPIRAZIONE**      **MANDATA**  
**INLET**              **OUTLET**



8 N/m

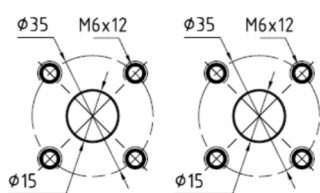
**CODICE**      **43**  
**CODE**

**ASPIRAZIONE**      **MANDATA**  
**INLET**              **OUTLET**



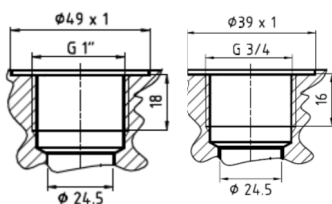
8 N/m

**CODICE**      **44**  
**CODE**



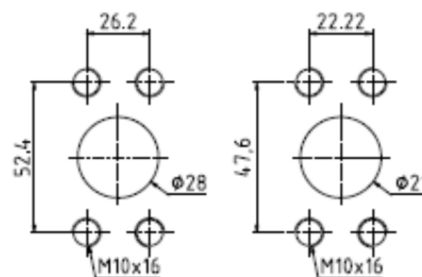
8 N/m

**CODICE**      **55**  
**CODE**



90 N/m

**CODICE**      **42**  
**CODE**



25 N/m

**CODICE**      **24**  
**CODE**

**ISTRUZIONI PER L'ORDINAZIONE DI UNITÁ SINGOLE Z2**  
**HOW TO ORDER Z2 SINGLE UNITS**

	1	2	3	4	5	6	7	8	9	10	11	12		
0	2	Z	A	G	06	E	0	34	S	-	0	B	VRE	210

<b>1</b>	TIPO UNITÁ / UNIT TYPE	CODICE / CODE
	PUMP	<b>Z</b>
	MOTOR	<b>ZM</b>

<b>2-5</b>	FLANGIA / FLANGE (PAG. 9-10)	CODICE / CODE
	EUROPA / EUROPEAN	<b>A - 0</b>
	TEDESCA / GERMAN	<b>B - 1</b>
	AMERICANA / AMERICAN	<b>C - 4 / C - 7</b>
	TEDESCA / GERMAN	<b>D - 3 / D - 2</b>
	TEDESCA / GERMAN	<b>M - 3 / M - 2</b>
	TEDESCA / GERMAN	<b>E - 2</b>
	MOTORE ENDOTERMICO / PETROL ENGINE	<b>K - 7</b>
	TEDESCA / GERMAN	<b>G - 3</b>
	TEDESCA / GERMAN	<b>L - 3</b>
	EUROPEA CON DRENAGGIO / EUROPEAN WITH DRAIN	<b>N - 4</b>
	AMERICANA / AMERICAN	<b>H - 6</b>
	TEDESCA CON DRENAGGIO / GERMAN WITH DRAIN	<b>P - 1</b>

<b>3</b>	CILINDRATA / CAPACITY $cm^3$	CODICE / CODE
	4.4	<b>04</b>
	6.3	<b>06</b>
	8.15	<b>08</b>
	11.3	<b>11</b>
	14.5	<b>14</b>
	16.9	<b>17</b>
	20.1	<b>20</b>
	25.7	<b>25</b>
	31.4	<b>31</b>

<b>4</b>	ALBERO / SHAFT (PAG. 11-12)	CODICE / CODE
	CONICO 1:5 / TAPERED 1:5	<b>A</b>
	17 x 14 DIN 5482	<b>B</b>
	CONICO 1:8 / TAPERED 1:8	<b>C</b>
	CILINDRICO Ø 15 / STRAIGHT Ø 15	<b>E</b>
	CILINDRICO Ø 13 / STRAIGHT Ø 13	<b>H</b>
	PENNA / TONGUE Ø18 x 8	<b>F</b>
	CILINDRICO Ø18 / STRAIGHT Ø18	<b>G</b>
	CILINDRICO Ø 15.85 / STRAIGHT Ø 15.85	<b>L</b>
	PENNA / TONGUE Ø18 x 8	<b>M</b>
	CILINDRICO Ø 20 / STRAIGHT Ø 20	<b>I</b>
	CILINDRICO Ø 19 / STRAIGHT Ø 19	<b>N</b>
	ANSI 921 10TH 16/32 FLAT ROOT	<b>W</b>
	CILINDRICO Ø 22 / STRAIGHT Ø 22	<b>Q</b>
	CILINDRICO Ø 19x45 / STRAIGHT Ø 19x45	<b>R</b>
	CILINDRICO Ø 15.85x58,7 / STRAIGHT Ø 15.85x58,7	<b>LA</b>
	34 TEETH LEFT HAND HELICAL GEAR	<b>J</b>

	ANSI 921 13 TH 16/32 FLAT ROOT	<b>T</b>
	ANSI 921 9 TH 16/32 FLAT ROOT	<b>U</b>
	ANSI 921 11 TH 16/32 FLAT ROOT	<b>K</b>
	CILINDRICO Ø 22.22 / STRAIGHT Ø 22.22	<b>V</b>

<b>6</b>	BOCCHIE / PORTS (PAG.13)	CODICE / CODE
	EUROPEE / EUROPEAN	<b>32 - 33 - 43</b>
	TEDESCHE / GERMAN	<b>36 - 44 - 55</b>
	BSPP	<b>34 - 35 - 41 - 42</b>
	O-RING BOSS	<b>37 - 38 - 39 - 40</b>
	PORTE ANTERIORI-POSTERIORI / FRONT-REAR PORTS	<b>49 - 50 - 51 - 52 - 53 - 54 - 56</b>

<b>7</b>	ROTAZIONE / ROTATION	CODICE / CODE
	DESTRO / RIGHT	<b>D</b>
	SINISTRO / LEFT	<b>S</b>
	BIDIRECTIONAL WITH INTERNAL DRAIN	<b>Y</b>
	BIDIRECTIONAL WITH EXTERNAL DRAIN	<b>R</b>

<b>8</b>	TIPO UNITÁ / UNIT TYPE	CODICE / CODE
	PREDISPOSTA TANDEM / FOR TANDEM	<b>T</b>
	NIENTE / NONE	<b>-</b>

<b>9</b>	SUPPORTI / SUPPORT (PAG. 15-16)	CODICE / CODE
	SENZA / WITHOUT	<b>0</b>
	CUSCINETTO A DOPPIA CORONA DI SFERE	<b>1</b>
	DOPPIO CUSCINETTO A RULLI CONICI	<b>2</b>
	DOPPIO CUSCINETTO A RULLI CONICI	<b>3</b>

<b>10</b>	PARAOILIO / SHAFT SEAL (PAG. 7)	CODICE / CODE
	STANDARD / STANDARD	<b>N</b>
	STANDARD FKM / STANDARD FKM	<b>V</b>
	STANDARD HNBR / STANDARD HNBR	<b>H</b>
	5 BAR NBR / 5 BAR NBR	<b>R</b>
	5 BAR FKM / 5 BAR FKM	<b>RV</b>
	5 BAR HNBR / 5 BAR HNBR	<b>RH</b>
	DOPPIO MIM NBR / DOUBLE SEAL NBR	<b>N2</b>
	DOPPIO MIM FKM / DOUBLE SEAL FKM	<b>V2</b>
	25 BAR VARISEAL NBR / 25 BAR VARISEAL NBR	<b>B</b>
	25 BAR NBR / 25 BAR NBR	<b>BN</b>
	25 BAR FKM / 25 BAR FKM	<b>BV</b>

<b>11</b>	VALVOLA DI MASSIMA / RELIEF VALVE	CODICE / CODE
	SENZA / WITHOUT	<b>-</b>
	TARATURA REGOLABILE / ADJUST. CALIBRATION	<b>VRE / VRI</b>
	TARATURA FISSA / FIXED CALIBRATION	<b>VFE / VFI</b>

<b>12</b>	VALORI TARATURA VALVOLA	CODICE / CODE
	50 - 75 - 100 - 125 - 150 - 200 - 250 - 300 - 330	