HPL ..2

POMPE E MOTORI AD INGRANAGGI
GEAR PUMPS AND MOTORS
ZAHNRADPUMPEN UND -MOTOREN

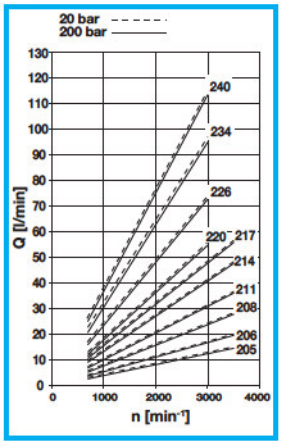
HPL PA2

POMPE AD INGRANAGGI
GEAR PUMPS
ZAHNRADPUMPEN

DATI TECNICI
TECHNICAL DATA
TECHNISCHE MERKMALE

GRUPPO *GROUP* BAUREIHE	TIPO *TYPE* TYP	CILINDRATA TEORICA *NOMINAL DISPLACEMENT* FÖRDERVOLUMEN (TM)		PRESSIONE *PRESSURE* DRUCK CONTINUA *CONTINUOS* DAUER		PRESSIONE *PRESSURE* DRUCK INTERMITTENTE *INTERMITTENT* INTERMITTIERENDER		PRESSIONE *PRESSURE* DRUCK PICCO *PEAK* SPITZEN		VELOCITÀ *DI ROTAZIONE SPEED* DREHZAHL MAX	VELOCITÀ *DI ROTAZIONE SPEED* DREHZAHL MIN	MASSA *WEIGHT* GEWICHT	
		cm³	in³	bar	psi	bar	psi	bar	psi	min⁻¹	min⁻¹	kg	lbs
2	05	4,50	0,27	240	3481	260	3771	300	4351	3500	700	2,30	5,07
	06	6,00	0,37	240	3481	260	3771	300	4351			2,40	5,29
	08	8,50	0,52	230	3336	250	3626	280	4061			2,40	5,29
	11	11,00	0,67	230	3336	250	3626	280	4061			2,40	5,29
	14	14,50	0,88	230	3336	250	3626	280	4061			2,80	6,17
	17	17,00	1,04	230	3336	250	3626	280	4061			2,80	6,17
	20	19,50	1,19	200	2901	220	3191	250	3626			2,80	6,17
	26	26,00	1,59	180	2611	190	2756	210	3046	3000		3,10	6,83
	34	34,00	2,07	160	2321	170	2466	190	2756			3,40	7,50
	40	40,50	2,47	140	2031	160	2321	180	2611			3,60	7,94

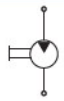
DIAGRAMMA PORTATE
DIAGRAMS
KENNLINIEN



HPL MA2

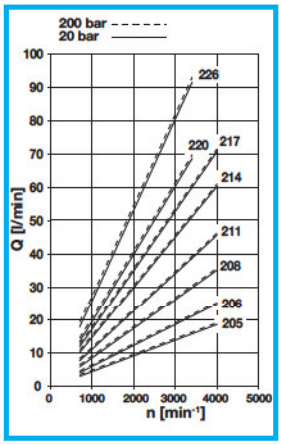
MOTORI AD INGRANAGGI
GEAR MOTORS
ZAHNRADMOTOREN

DATI TECNICI
TECHNICAL DATA
TECHNISCHE MERKMALE



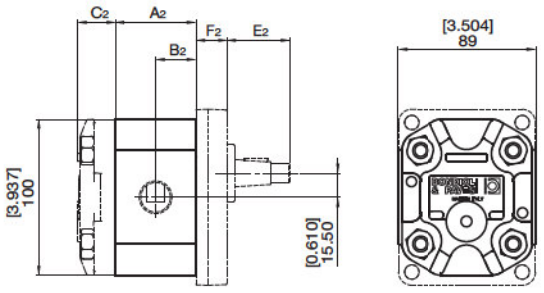
GRUPPO *GROUP* BAUREIHE	TIPO *TYPE* TYP	CILINDRATA TEORICA *NOMINAL DISPLACEMENT* FÖRDERVOLUMEN (TM)		PRESSIONE *PRESSURE* DRUCK CONTINUA *CONTINUOS* DAUER		PRESSIONE *PRESSURE* DRUCK INTERMITTENTE *INTERMITTENT* INTERMITTIERENDER		PRESSIONE *PRESSURE* DRUCK PICCO *PEAK* SPITZEN		VELOCITÀ *DI ROTAZIONE SPEED* DREHZAHL MAX	VELOCITÀ *DI ROTAZIONE SPEED* DREHZAHL MIN	MASSA *WEIGHT* GEWICHT	
		cm³	in³	bar	psi	bar	psi	bar	psi	min⁻¹	min⁻¹	kg	lbs
2	05	4,50	0,27	240	3481	260	3771	300	4351	4000	700	2,30	5,07
	06	6,00	0,37	240	3481	260	3771	300	4351			2,40	5,29
	08	8,50	0,52	230	3336	250	3626	280	4061			2,40	5,29
	11	11,00	0,67	230	3336	250	3626	280	4061			2,40	5,29
	14	14,50	0,88	230	3336	250	3626	280	4061			2,80	6,17
	17	17,00	1,04	230	3336	250	3626	280	4061			2,80	6,17
	20	19,50	1,19	200	2901	220	3191	250	3626			2,80	6,17
	26	26,00	1,59	180	2611	190	2756	210	3046	3400		3,10	6,83

DIAGRAMMA PORTATE
DIAGRAMS
KENNLINIEN



DIMENSIONI
SIZE
ABMESSUNGEN

HPL..2



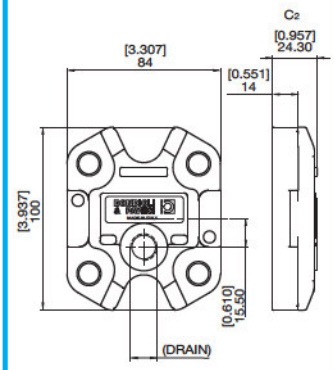
C_2= Vedi sezione coperchi — C_2= *See cover section* — C_2= siehe Abschnitt Deckel
F_2= Vedi sezione flange — F_2= *See flange section* — F_2= siehe Abschnitt Flansche
E_2= Vedi sezione profilo alberi — E_2= *See splined shafts section* — E_2= siehe Abschnitt Wellenprofile

DIMENSIONI
SIZE
ABMESSUNGEN

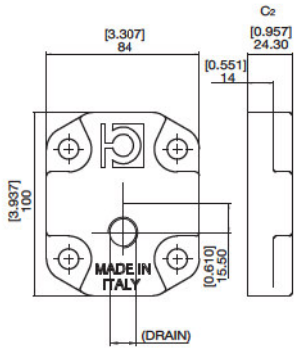
GRUPPO *GROUP* BAUREIHE	TIPO *TYPE* TYP	A_2		B_2	
		mm	in	mm	in
2	05	49,15	1,935	24,6	0,968
	06	51,85	2,041	25,9	1,021
	08	56,35	2,219	28,2	1,109
	11	60,85	2,396	30,4	1,198
	14	67,25	2,648	33,6	1,324
	17	71,75	2,825	35,9	1,412
	20	76,25	3,002	38,1	1,501
	26	88,55	3,486	44,3	1,743
	34	102,55	4,037	51,3	2,019
	40	115,07	4,530	57,5	2,265

COPERCHI
COVERS
DECKEL

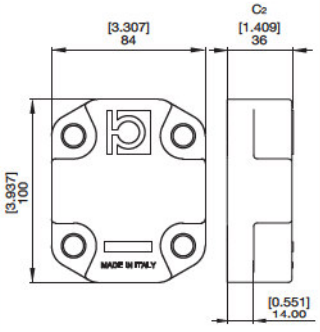
ST VERSIONE IN ALLUMINIO
ALUMINUM VERSION
ALUMINIUMVERSION



SG VERSIONE IN GHISA
CAST IRON VERSION
GUSSVERSION



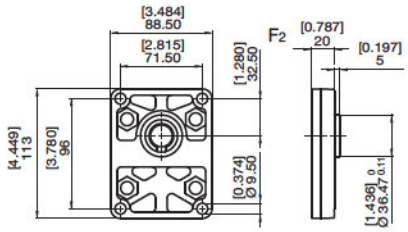
V.. PER BOCCHE POSTERIORI
E VALVOLE INTEGRATE
FOR REAR PORTS
AND INTEGRATED VALVES
FÜR HINTERE ANSCHLÜSSE
UND INTEGRIERTE VENTILE



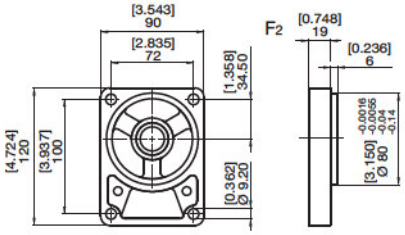
FLANGE **VERSIONE IN ALLUMINIO**
FLANGES ***ALUMINUM VERSION***
FLANSCHE **ALUMINIUMVERSION**

HPL..2

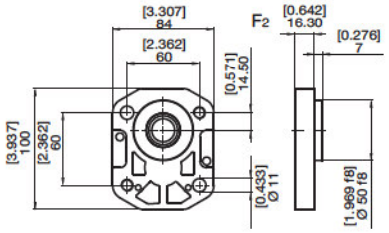
M



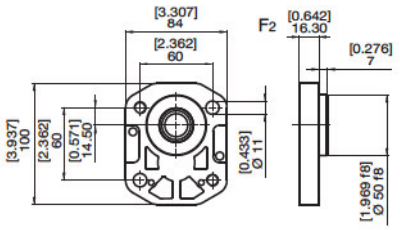
N



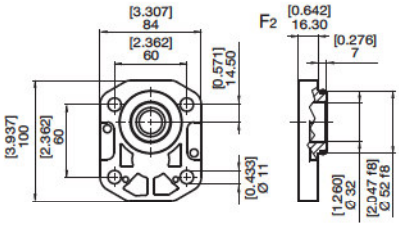
O



P



R



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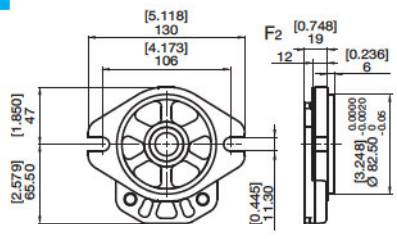
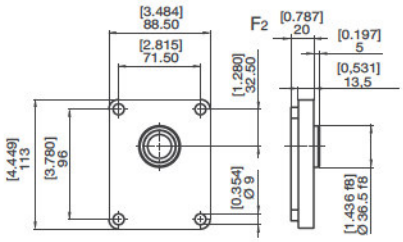


FLANGE
FLANGES
FLANSCHE

VERSIONE IN GHISA
CAST IRON VERSION
GUSSVERSION

HPL..2

L



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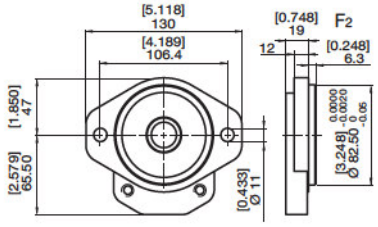

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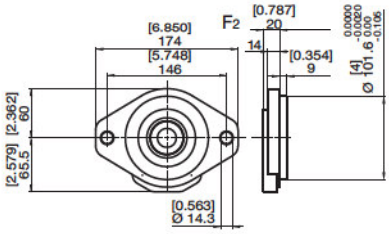
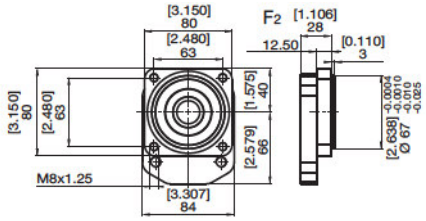
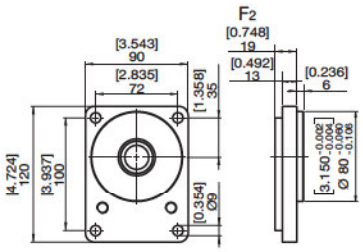


U



V

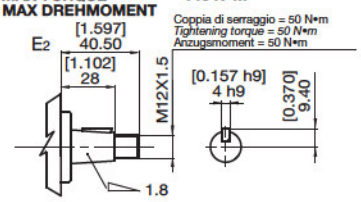


PROFILO ALBERI
SPLINE SHAFTS
WELLENPROFILE

HPL..2

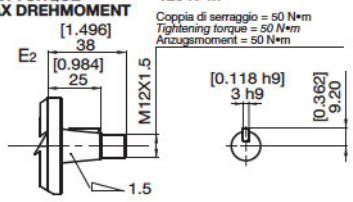
L COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **140 N•m**

Coppia di serraggio = 50 N•m
Tightening torque = 50 N•m
Anzugsmoment = 50 N•m

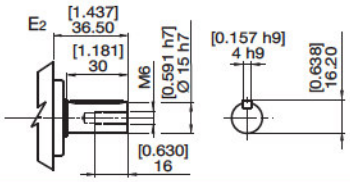


M COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **120 N•m**

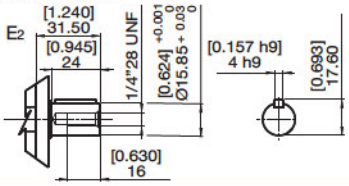
Coppia di serraggio = 50 N•m
Tightening torque = 50 N•m
Anzugsmoment = 50 N•m



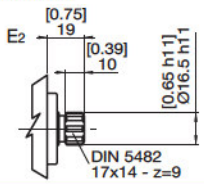
N COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **65 N•m**



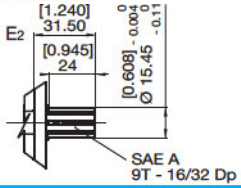
P COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **70 N•m**



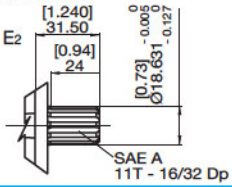
U COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **110 N•m**



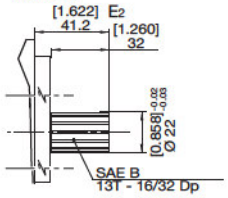
V COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **120 N•m**



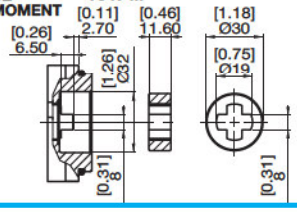
X COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **160 N•m**



Y COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **310 N•m**



Z COPPIA MAX *MAX TORQUE* MAX DREHMOMENT **70 N•m**



BONDIOLI & PAVESI
HP Hydraulic

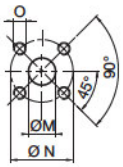
BOCCHE
PORTS
ANSCHLÜSSE

HPL..2

E — LATERALE / *LATERAL* / SEITLICH

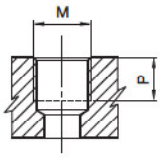
TIPO / TYPE / TYP	M		N		O	
	mm	in	mm	in		Nm
E3	13	0,51	30	1,18	M6	10
E5	20	0,79	40	1,57	M8	15

X — LATERALE / *LATERAL* / SEITLICH



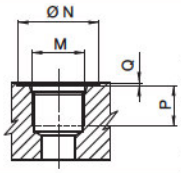
TIPO / TYPE / TYP	M		N		O	
	mm	in	mm	in		Nm
X4	15	0,59	35	1,38	M6	10
X5	15	0,59	40	1,57	M6	10
X6	20	0,79	40	1,57	M6	10

G — LATERALE / *LATERAL* / SEITLICH
T — POSTERIORE / *REAR* / HINTEN



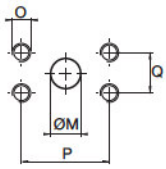
TIPO / TYPE / TYP	M		P	
		Nm	mm	in
*G3	3/8" GAS BSPP	38	12	0,47
G4	1/2" GAS BSPP	50	16	0,63
G6	3/4" GAS BSPP	90	19	0,75
T4	1/2" GAS BSPP	50	16	0,63
T6	3/4" GAS BSPP	40	19	0,75

U — LATERALE / *LATERAL* / SEITLICH
C — POSTERIORE / *REAR* / HINTEN



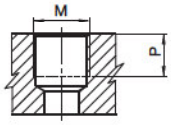
TIPO / TYPE / TYP	DIMENSIONE / SIZE / GRÖSSE	N		P		Q		M	
		mm	in	mm	in	mm	in		Nm
*U3	3/8"	25	0,98	13	0,51	0,3	0,01	9/16-18 UNF	25
U5	5/8"	34	1,34	17	0,67	0,3	0,01	7/8-14 UNF	70
U6	3/4"	41	1,61	19	0,75	0,3	0,01	1-1/16-12 UNF	90
C5	5/8"	34	1,34	17	0,67	0,3	0,01	7/8-14 UNF	70
C6	3/4"	41	1,61	19	0,75	0,3	0,01	1-1/16-12 UNF	40

N — LATERALE / *LATERAL* / SEITLICH



TIPO / TYPE / TYP	DIMENSIONE / SIZE / GRÖSSE	M		P		Q		O	
		mm	in	mm	in	mm	in		Nm
N4	1/2"	13	0,51	38,1	1,49	17,5	0,68	5/16-18UNC-2B	15
N6	3/4"	20	0,79	47,6	1,87	22,2	0,87	3/8"-16UNC-2B	25
N7	1"	27	1,06	52,4	2,60	26,2	1,03	3/8"-16UNC-2B	30

M



TIPO / TYPE / TYP	M		P	
		Nm	mm	in
*M2	M14x1,5	17	12	0,47

* Drenaggio * *Drain Port* * Lecköl

COMBINAZIONI
COMBINATIONS
KOMBINATIONEN

HPL..2

ESTREMITÀ ALBERO *SHAFT PROFIL* WELLENENDE	FLANGE *FLANGE* FLANSCHE M L	N V	O P	R	S Q	T	U
L	■						
M		■	[1.602] 40.70				
N	■						
P					■		
U	■	[0.925] 23.50	[1.031] 26.20				
V					■		
X					■		
Y						■	
Z				■			[0.394] 10 / [0.126] 3.2
BOCCHE *PORTS* ANSCHLÜSSE							
E	■						
G	■				■	■	■
X		■	■	■			
U					■	■	
N					■	■	
C					■	■	
T	■	■	■	■	■	■	■

BONDIOLI & PAVESI
HP Hydraulic

ISTRUZIONI PER L'ORDINAZIONE
ORDERING INSTRUCTIONS
BESTELLANLEITUNG

HPL..2

HPL	PA	2	11	D	M	L	G4 G4	B	ST	--

SERIE
SERIES
SERIE

PRODOTTO
PRODUCT
PRODUKT

MA - Motore
PA - Pompa singola
PT - Pompa predisposta

MA *- Motor*
PA *- Pump*
PT *- Adapted Pump*

MA - Motor
PA - Pumpe
PT - Vorbereitete Pumpe

GRUPPO
GROUP
BAUGRÖSSE

2

CILINDRATA
DISPLACEMENT
FÖRDERVOLUMEN

05 - 4,50
06 - 6,00
08 - 8,50
11 - 11,00
14 - 14,50
17 - 17,00
20 - 19,50
26 - 26,00
34 - 34,00
40 - 40,50

SENSO DI ROTAZIONE
ROTATION
DREHRICHTUNG

S - Antioraria/sinistra
D - Oraria/destra
H - Bidirezionale drenaggio interno
B - Bidirezionale drenaggio esterno posteriore

S *- Counterclockwise*
D *- Clockwise*
H *- Reversible ind drain.*
B *- Reversible rear. drain. pont.*

S - Linkslauf
D - Rechtslauf
H - reversibel, Lecköl intern, Anschluß seitlich
B - reversibel, Lecköl extern, Anschluß hinten

FLANGIA ANTERIORE
FRONT FLANGE
VORDERER FLANSCH

L - Europea in ghisa
M - Europea
N - Tedesca
O - Tedesca D 50 2 fori DX
P - Tedesca D 50 2 fori SX
Q - SAE A 2 fori in ghisa
R - Tedesca D 52
S - SAE A 2 fori
T - SAE B 2 fori in ghisa
U - Perkins
V - Tedesca in ghisa

L *- European cast iron*
M *- European*
N *- German*
O *- German D 50 2 holes right*
P *- German D 50 2 holes left*
Q *- SAE A 2 holes cast iron*
R *- German D 52*
S *- SAE A 2 holes*
T *- SAE B 2 holes cast iron*
U *- Perkins*
V *- German cast iron*

L - EU-Norm Guß
M - EU-Norm
N - DIN-Norm
O - DIN-Norm D 50 Bohrungen rechts
P - DIN-Norm D 50 Bohrungen links
Q - SAE A 2 Bohrungen Guß
R - DIN-Norm D 52
S - SAE A 2 Bohrungen
T - SAE B 2 Bohrungen Guß
U - Perkins
V - Din gussversion

ESTREMITÀ D'ALBERO
SHAFT PROFIL
WELLENENDE

L - Conico (1:8)
M - Conico (1:5)
N - Cilindrico D15 europeo
P - Cilindrico SAE "A"
U - Scanalato DIN 5482
V - Scanalato SAE "A" 9T
X - Scanalato SAE "A" 11T
Y - Scanalato SAE "B" 13T
Z - Dente frontale

L *- Tapered (1:8)*
M *- Tapered (1:5)*
N *- D15 European parallel shaft*
P *- SAE "A" parallel shaft*
U *- DIN 5482 splined*
V *- SAE "A" 9T splined*
X *- SAE "A" 11T splined*
Y *- SAE "B" 13T splined*
Z *- Tang drive*

L - Kegel (1:8)
M - Kegel (1:5)
N - zylindrisch D15 (E-norm)
P - zylindrisch SAE "A"
U - Keilwelle DIN 5482
V - Keilwelle SAE "A" 9T
X - Keilwelle SAE "A" 11T
Y - Keilwelle SAE "B" 13T
Z - Kreuzprofil

SET VALVOLE
VALVE SETTING
VENTILEINSTELLUNG
(bar)

COPERCHI - *COVERS* - DECKEL
ST - Standard
SG - Versione in ghisa
Cast iron version
Gussversion
V.. - Con valvole (Vedi sez. valvole)
With valves (See valves section)
Mit Ventilen
(siehe Abschnitt Ventile)

GUARNIZIONI - *SEALS* - DICHTUNGEN

B - NBR	**V** - Viton
R - NBR alte pres. (25 bar) *For high pres. (25 bar)* Hochdruck (25 bar)	**W** - Viton alte pres. (25 bar) *For high pres. (25 bar)* Hochdruck (25 bar)

BOCCHE STD - *STANDARD PORT* - STANDARD ANSCHLÜSSE
CILINDRATA - *DISPLACEMENT* - FÖRDER-/SCHLUCKVOLUMEN

5.....8	*11*	*14.....20*	*26.....40*	
Pompe - Pumps - Pumpen IN/OUT		Pompe - Pumps - Pumpen IN/OUT	Pompe - Pumps - Pumpen IN/OUT	DRAIN
E3 E3		E5 E3	E5 E5	M2
G4 G4		G6 G4	G6 G6	G3
X5 X4	X6 X4	X6 X4	X6 X5	M2
U6 U5		U6 U5	U6 U5	U3
N4 N4		N6 N4	N7 N6	U3
C6 C5		C6 C5	C6 C5	U3
T6 T4		T6 T4	T6 T4	G3

MOTORI - *MOTORS* - MOTOREN OUT/IN
MOTORI BIDIR. IN=OUT - *REVERS. MOTORS IN=OUT* - BIDIREK.MOTOREN IN=OUT