4D3

69 Nm

VFD series
Combined worm gearboxes

Riduttori a vite senza fine combinati in alluminio

Input speed (n_1) = 1400 min^{-1}

Output speed	Ratio	Motor power	Output torque	Service factor	Nominal power	Nominal torque	B5 motor flanges		B14 motor flanges		Dynamic efficiency	Tooth module	Ratio code
							-A	-B	-O	-P			
n_2 [min^{-1}]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	56	63	56	63	RD	[mm]	
10.0	**140**	0.12	57	1.2	0.14	69	**B**		**B-C**		50	2.2	01
7.0	**200**	0.12	79	0.9	0.11	69	**B**		**B-C**		48	2.2	02
5.0	**280**	0.06	52	1.3	0.08	69	**B**		**B-C**		45	2.4	03
3.3	**420**	0.06	62	1.1	0.07	69	**B**		**B-C**		36	1.6	04
2.5	**560**	0.06	76	0.9	0.05	69	**B**		**B-C**		33	2.5	05
1.9	**740**	0.06	91	0.8	0.05	69	**B**		**B-C**		30	1.8	06
1.5	**920**	0.06*	69	<0.8	0.04	69	**B**		**B-C**		27	1.5	07
1.3	**1120**	0.06*	69	<0.8	0.03	69	**B**		**B-C**		26	2.5	08
0.9	**1480**	0.06*	69	<0.8	0.03	69	**B**		**B-C**		24	1.8	09
0.8	**1840**	0.06*	69	<0.8	0.02	69	**B**		**B-C**		22	1.5	10
0.6	**2400**	0.06*	69	<0.8	0.02	69	**B**		**B-C**		21	1.2	11

*** Power higher than the maximun one which can be supported by the gearbox. Select according to the torque M_{2R}**

Potenza superiore a quella massima sopportabile dal riduttore.Selezionare in base al momento torcente M_{2R}

Motor flanges available
Flange motore disponibili

B) **Supplied with reduction bushing**
Fornito con bussola di riduzione

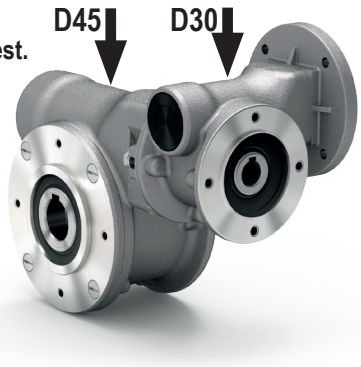
B) Available on request without reduction bushing
Disponibile a richiesta senza bussola di riduzione

C) **Motor flange holes position**
Posizione fori flangia motore

Lubrication
Lubrificazione

Unit 4D3 is supplied with synthetic oil to assure long life lubrication.
Food grade oil is available on request.
See Table 1 for lubrication and recommended quantity.
See Table 2 for possible radial and axial loads on the gearbox.

Il riduttore tipo 4D3 viene fornito con olio sintetico e lubrificazione tipo "long life". Disponibile a richiesta olio alimentare. Vedi Tabella 1 per oli e quantità consigliati. Vedi Tabella 2 per i carichi radiali e assiali applicabili al riduttore.



D45: 0.09 L **D30:** 0.03 L	**Shell** *Omala S4 WE 320*	**Eni** *Telium VSF 320*

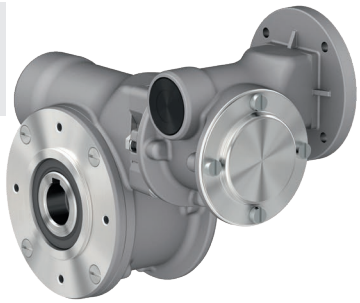
For all details on lubrication and plugs check our website.
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web.

Tab. 1

Suggested
Suggerito

Stainless steel protection cap (on request).

Coperchio di protezione in acciaio inox a richiesta.

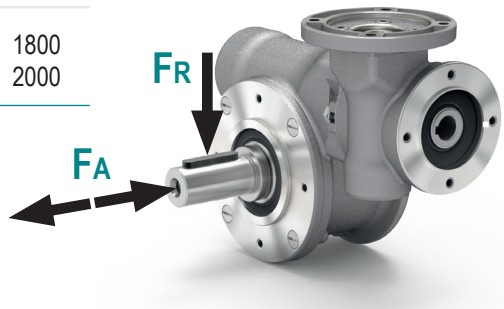


Kit cod. KN300209

Radial and axial loads
Carichi radiali e assiali

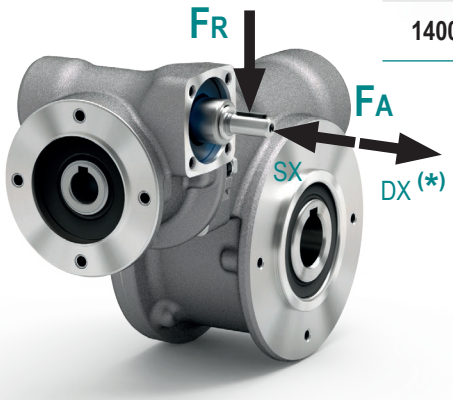
Output shaft
Albero di uscita

n_2 [min^{-1}]	F_A [N]	F_R [N]
25	300	1800
15	400	2000



Input shaft
Albero in entrata

n_1 [min^{-1}]	F_A [N]	F_R [N]
1400	20	100

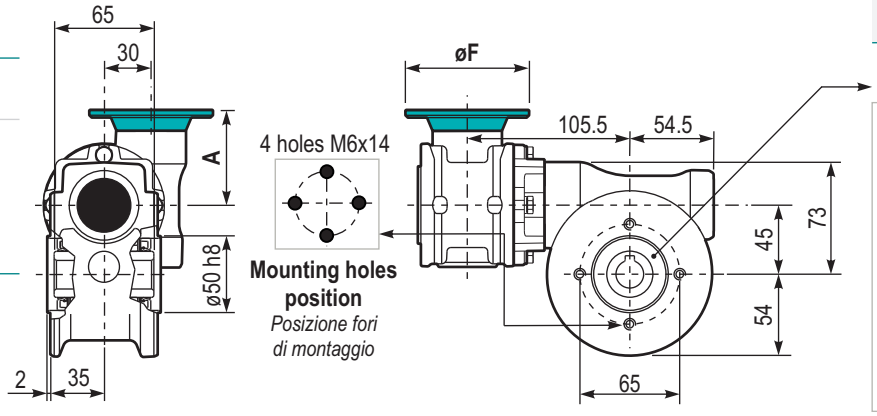


*** Strong axial loads in the DX direction are not allowed.**
** Non sono consentiti forti carichi assiali con direzione DX*

Tab. 2

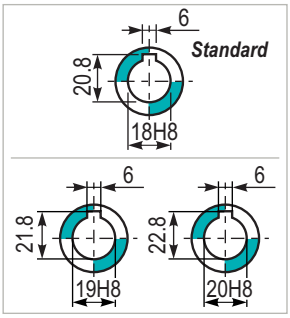
P4D3UNI.. Basic gearbox
Riduttore base

M. flanges	Kit code	øF	A
56B5	KD304041	120	62
63B5	KD304042	140	63
56B14	KD304046	80	62
63B14	KD304045	90	63



Gearbox weight *Peso riduttore* **3.60 kg**

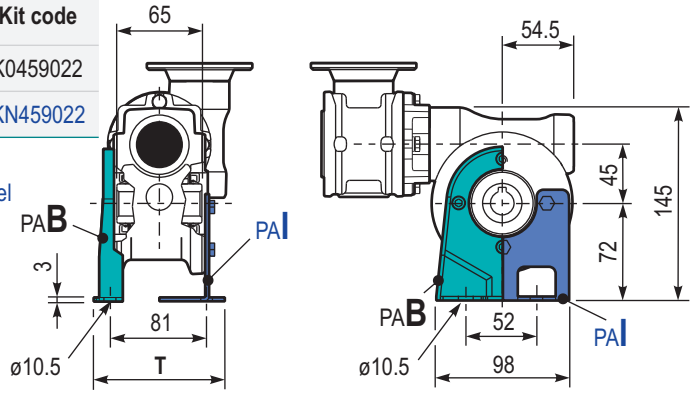
Hollow shaft
Foro in uscita



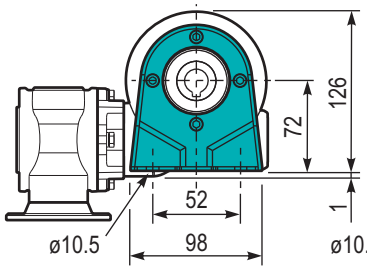
P4D3PA... Feet
Piedini

Type	T	Kit code
B**	102	K0459022
I *	100	KN459022

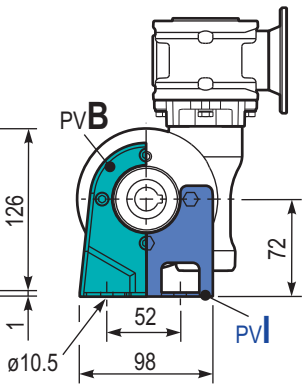
** Zink plated
* Stainless steel



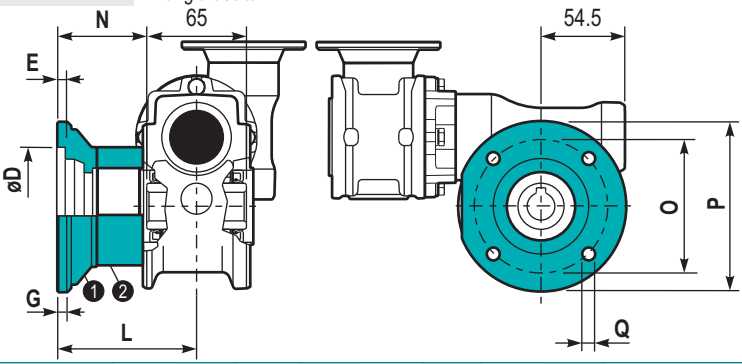
P4D3PBB.. Feet
Piedini



P4D3PV... Feet
Piedini

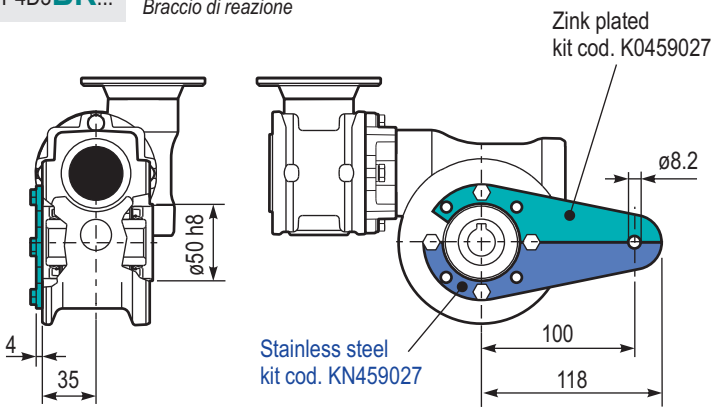


P4D3FL.. Output flange
Flangia uscita

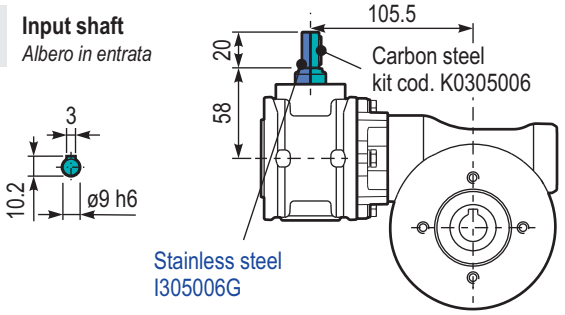


Type	øD	E	G	L	N	O	P	Q	Kit code
C	$60^{+0.15}_{+0.05}$	9	9	60.5	28	87	110	8.5	1 K0459010 2 -
L	$60^{+0.15}_{+0.05}$	9	9	90.5	58	87	110	8.5	1 K0459010 2 K0450200

P4D3BR... Reaction arm
Braccio di reazione



R4D3UNI.. Input shaft
Albero in entrata



P4D3..SMB Single output shaft
Albero semplice in uscita

kit cod. KN300209
Protection cap
(on request)
A richiesta coperchio di protezione