5D3

109 Nm

VFD series
Combined worm gearboxes

Riduttori a vite senza fine combinati in alluminio

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

Output speed n_2 [min^{-1}]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	B5 motor flanges -A 56	B5 motor flanges -B 63	B14 motor flanges -O 56	B14 motor flanges -P 63	Dynamic efficiency RD	Tooth module [mm]	Ratio code
5.6	252	0.12	97	1.1	0.14	109	B		B-C		47	2.1	01
3.9	360	0.12	124	0.9	0.11	109	B		B-C		42	2.1	02
2.6	540	0.09	129	0.8	0.08	109	B		B-C		39	2.1	03
1.9	720	0.06	106	1.0	0.06	109	B		B-C		36	2.1	04
1.6	860	0.06	113	1.0	0.06	109	B		B-C		32	1.8	05
1.2	1200	0.06	133	0.8	0.05	109	B		B-C		27	1.3	06
1.0	1440	0.06*	109	<0.8	0.04	109	B		B-C		26	2.1	07
0.8	1720	0.06*	109	<0.8	0.04	109	B		B-C		25	1.8	08
0.6	2400	0.06*	109	<0.8	0.03	104	B		B-C		21	1.3	09

* 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

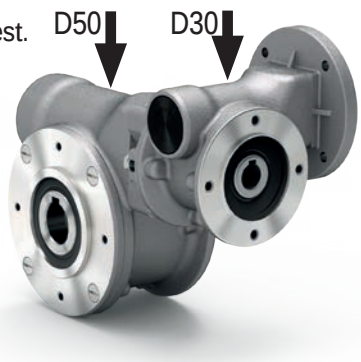
B) Available on request without reduction bushing
Disponibile a richiesta senza bussola di riduzione

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

Lubrication
Lubrificazione

Unit 5D3 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 5D3 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.



D50: 0.14 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.

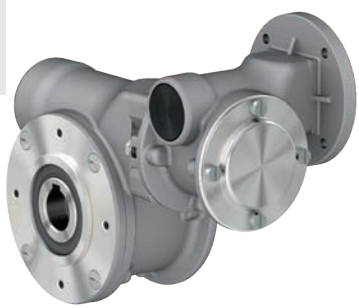
Tab. 1

Suggested
Suggerito

Stainless steel protection cap (on request).

Coperchio di protezione in acciaio inox a richiesta.

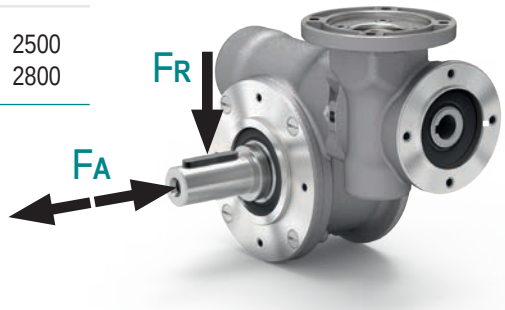
Kit cod. KN300209



Radial and axial loads
Carichi radiali e assiali

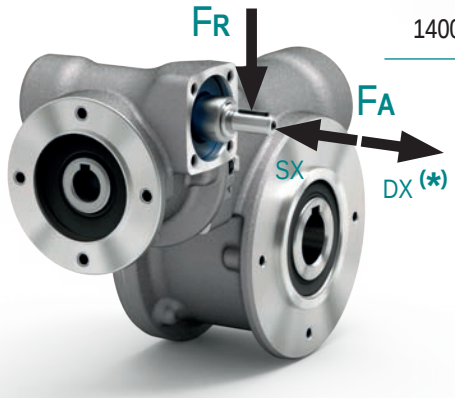
Output shaft
Albero di uscita

n_2 [min^{-1}]	F_A [N]	F_R [N]
25	480	2500
15	560	2800



Input shaft
Albero in entrata

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

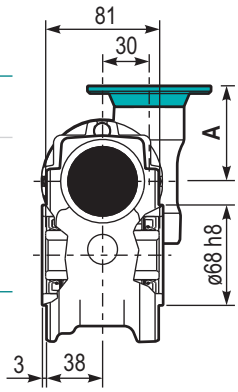


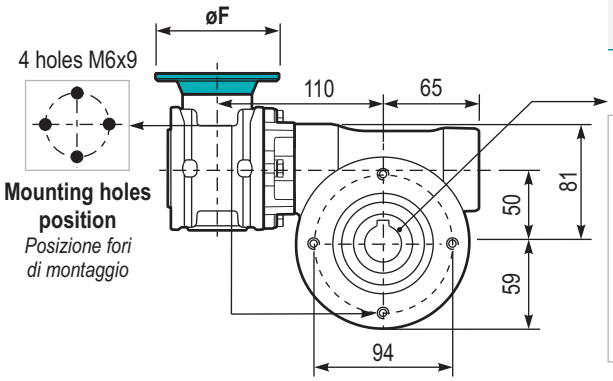
* Strong axial loads in the DX direction are not allowed.
** Non sono consentiti forti carichi assiali con direzione DX*

Tab. 2

P5D3UNI.. Basic gearbox
Riduttore base

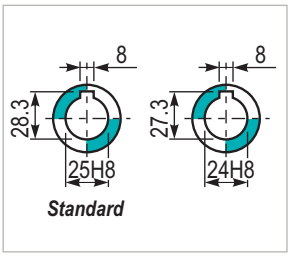
M. flanges	Kit code	øF	A
56B5	KD304041	120	62
63B5	KD304042	140	63
56B14	KD304046	80	62
63B14	KD304045	90	63





Gearbox weight *Peso riduttore* **4.20 kg**

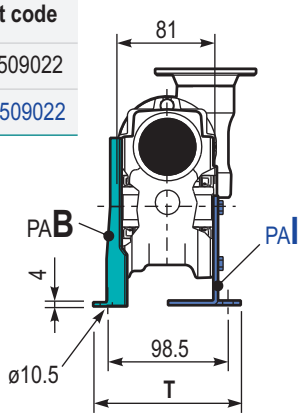
Hollow shaft
Foro in uscita



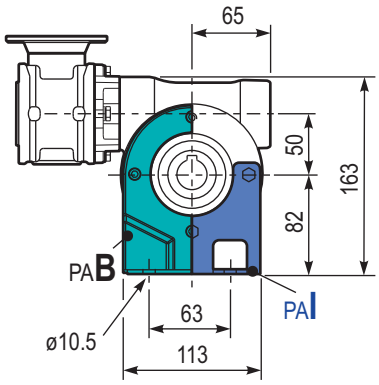
P5D3PA... Feet
Piedini

Type	T	Kit code
B**	123	K0509022
I *	122	KN509022

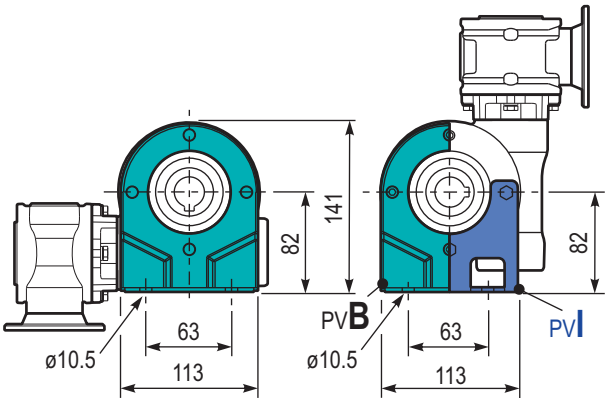
** Zink plated
* Stainless steel



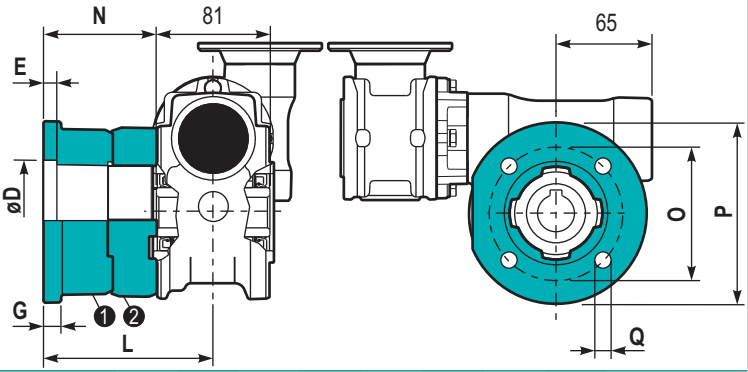
P5D3PBB.. Feet
Piedini



P5D3PV... Feet
Piedini

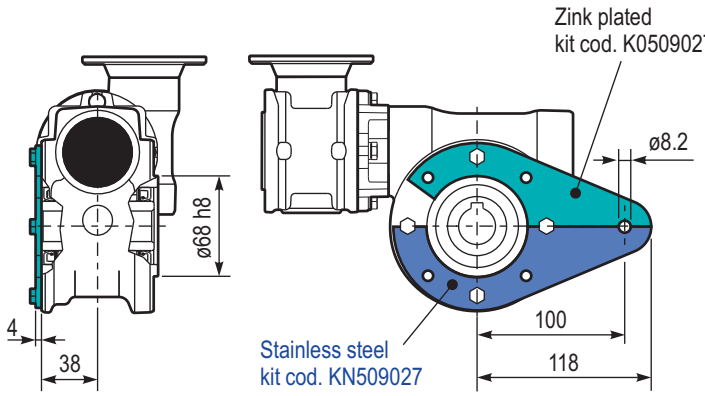


P5D3FL.. Output flange
Flangia uscita

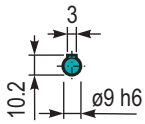


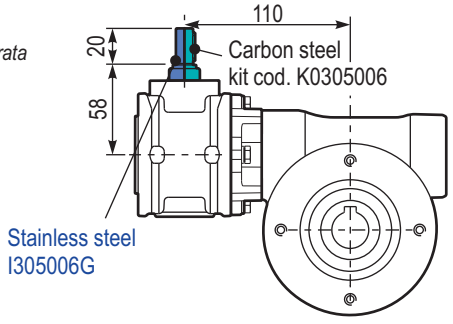
Type	øD	E	G	L	N	O	P	Q	Kit code
C	70 +0.20 +0.15	9	12	85	44.5	90	123	10.5	❶ K0509010 ❷ -
L	70 +0.20 +0.15	9	12	114.5	74	90	123	10.5	❶ K0509010 ❷ K0500200

P5D3BR... Reaction arm
Braccio di reazione



R5D3UNI.. Input shaft
Albero in entrata





P5D3..SMF Single output shaft
Albero semplice in uscita

kit cod. KN500209
Protection cap
(on request)
A richiesta coperchio di protezione