

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		B14 motor flanges		Dynamic efficiency RD	Tooth module [mm]	Ratio code
							-A	-B	-O	-P			
280	5	0.18	5	3.3	0.60	17	B		B-C		82	1.26	09
200	7	0.18	7	2.4	0.44	17	B		B-C		80	1.44	01
140	10	0.18	10	1.8	0.32	17	B		B-C		78	1.44	02
93	15	0.18	13	1.4	0.25	19	B		B-C		73	1.44	03
70	20	0.18	17	1.1	0.20	19	B		B-C		70	1.09	04
47	30	0.12	15	1.4	0.17	21	B		B-C		62	1.44	05
35	40	0.12	19	1.1	0.13	20	B		B-C		57	1.09	06
23	61	0.09	19	1.1	0.10	20	B		B-C		50	0.72	07
17.5	80	0.06	16	1.0	0.06	16	B		B-C		48	0.56	08
14	100	0.06*	16	0.5	0.03	8	B		B-C		40	0.45	10

* Power higher than the maximum 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 D30 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 D30 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.

Oil quantity for all positions: 0.03 L	Shell Omala S4 WE 320	Eni Telium VSF 320
Quantità olio per tutte le posizioni: 0.03 L		

Tab. 1

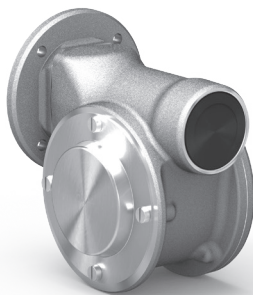
Suggested

Suggerito

Stainless steel protection cap (on request).

Coperchio di protezione in acciaio inox a richiesta.

Kit cod. KN300209



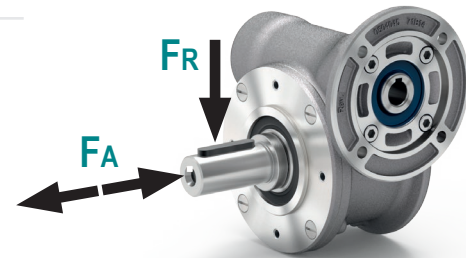
Radial and axial loads

Carichi radiali e assiali

Output shaft

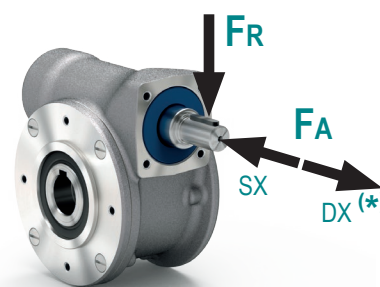
Albero di uscita

n_2 [min ⁻¹]	F_A [N]	F_R [N]
200	120	600
150	140	700
100	160	800
75	180	900
50	200	1000
25	250	1250
15	280	1400



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.

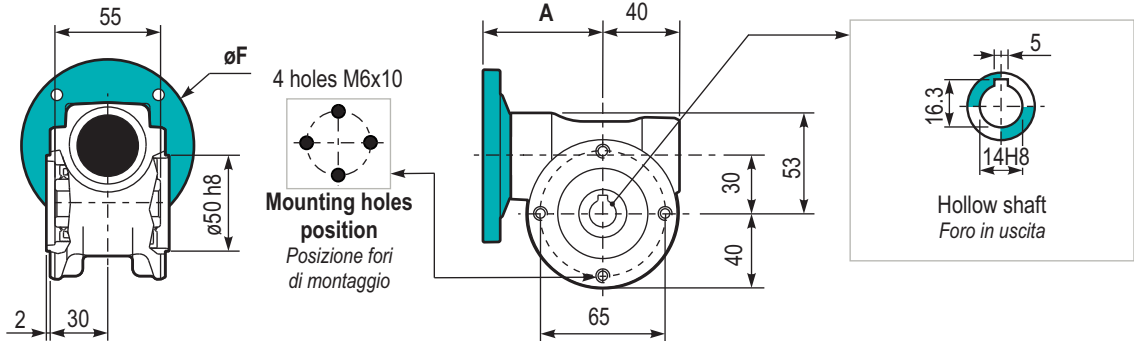
* Non sono consentiti forti carichi assiali con direzione DX

Tab. 2

PD30UNI.. Basic gearbox
Riduttore base

Gearbox weight
Peso riduttore **1.05 kg**

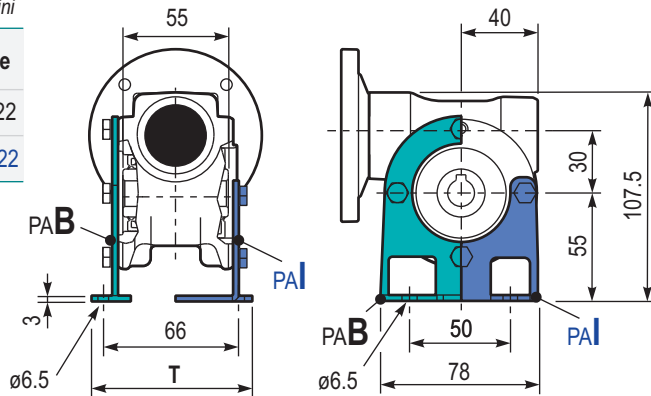
M. flanges	Kit code	øF	A
56B5	KD304041	120	62
63B5	KD304042	140	63
56B14	KD304046	80	62
63B14	KD304045	90	63



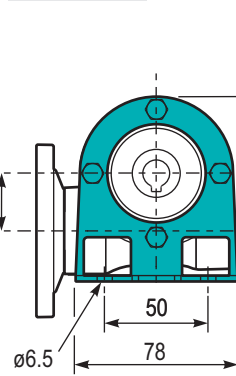
PD30PA... Feet
Piedini

Type	T	Kit code
B**	87	K0309022
I*	80	KN309022

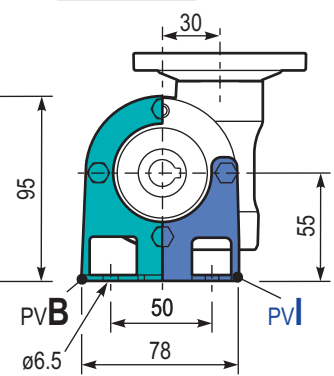
** Zink plated
* Stainless steel



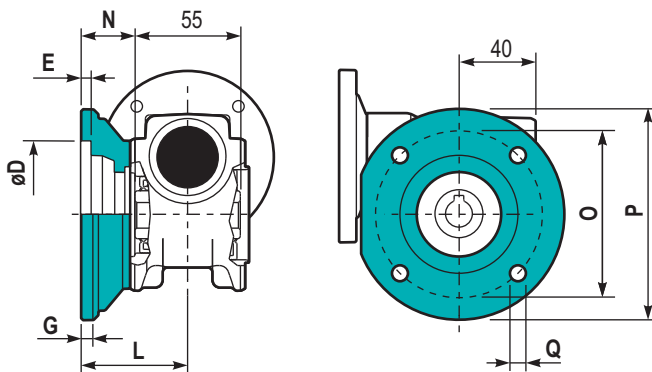
PD30PBB.. Feet
Piedini



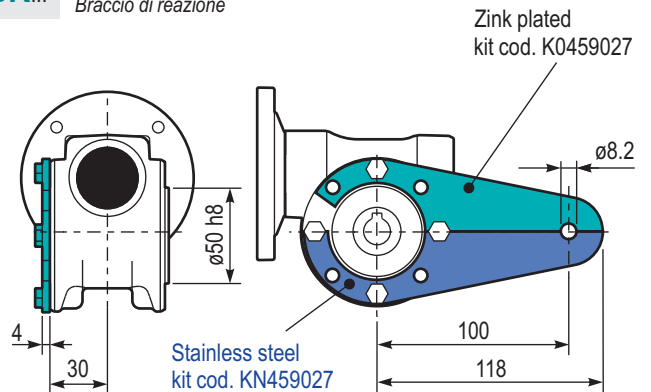
PD30PV... Feet
Piedini



PD30FL.. Output flange
Flangia uscita

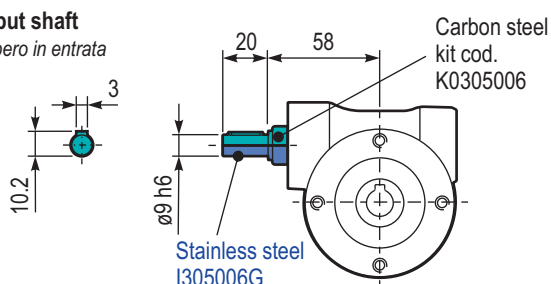


PD30BR... Reaction arm
Braccio di reazione



Type	øD	E	G	L	N	O	P	Q	Kit code
C	50 ^{+0.15} / _{+0.05}	6	6	50.5	23	68	80	7	K0309010
L	60 ^{+0.15} / _{+0.05}	6	6	55.5	28	87	110	8.5	K0459010

RD30UNI.. Input shaft
Albero in entrata



PD30..SMA Single output shaft
Albero semplice in uscita

