

Input speed (n_1) = 1750 min⁻¹

Output speed	Ratio	Motor power	Output torque	Service factor	Nominal power	Nominal torque	Available NEMA motor flanges		Dynamic efficiency	Tooth module	Ratio code
n_2 [min ⁻¹]	i	P_{1M} [HP]	M_{2M} [lb in]	f.s	P_{1R} [HP]	M_{2R} [lb in]	-W 56C	- -	RD	[mm]	
250.0	7	2	413	1.2	2.34	478			82	2.5	01
175.0	10	1.5	432	1.2	1.84	522			80	2.4	02
125.0	14	1	398	1.4	1.46	575			79	2.6	03
97.2	18	1	486	1.1	1.09	522			75	2.0	04
67.3	26	0.75	485	1.2	0.87	558			69	2.7	05
58.3	30	0.75	567	1.1	0.82	611			70	2.5	12
48.6	36	0.5	447	1.4	0.69	611			69	2.1	06
40.7	43	0.5	511	1.1	0.57	575			66	1.8	07
35.0	50	0.5	558	1.0	0.51	558			62	1.5	13
29.2	60	0.33	414	1.3	0.42	522			58	1.3	08
25.7	68	0.33	461	1.1	0.35	487			57	1.2	09
21.9	80	0.25	389	1.2	0.31	478			54	1.0	10
17.5	100	0.25	450	1.0	0.24	434			50	0.8	11

Motor flanges available
Flange motore disponibiliB) Supplied with reduction bushing
Fornito con bussola di riduzioneB) Available on request without reduction bushing
Disponibile a richiesta senza bussola di riduzioneC) Motor flange holes position
Posizione fori flangia motore

Lubrication

Lubrificazione

Unit D50 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 D50 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:
4.93 oz.

Quantità olio per tutte
le posizioni: 4.93 oz.

Shell
Omala S4 WE 320

Eni
Telium VSF 320

Tab. 1

Suggested

Sugerito

Stainless steel protection cap
(on request).

Coperchio di protezione in
acciaio inox a richiesta.

Kit cod. KN500209



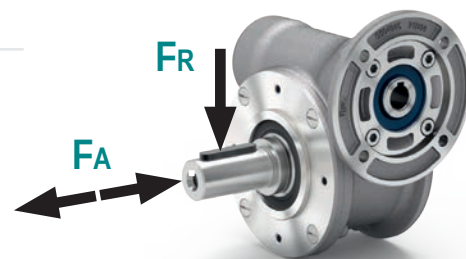
Radial and axial loads

Carichi radiali e assiali

Output shaft

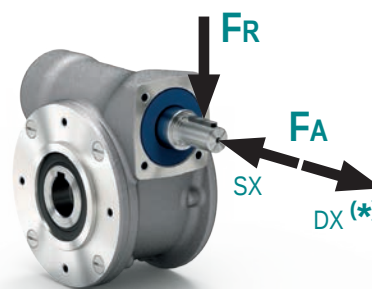
Albero di uscita

n_2 [min ⁻¹]	F_A [lb]	F_R [lb]
200	54	270
150	63	315
100	67	337
75	76	382
50	85	427
25	108	562
15	126	629



Input shaft

Albero in entrata



n_1 [min ⁻¹]	F_A [lb]	F_R [lb]
1750	17	85

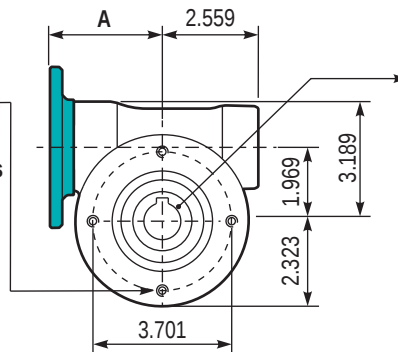
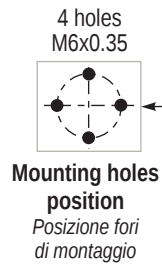
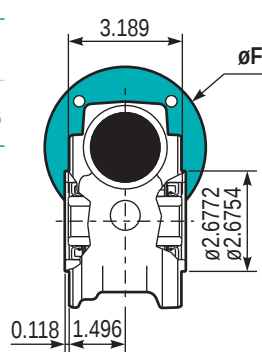
* Strong axial loads in the DX direction are not allowed.

* Non sono consentiti forti carichi assiali con direzione DX

Tab. 2

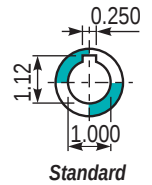
PD50**UNI**.. Basic gearbox
Riduttore base

M. flanges	Kit code	øF	A
56C	KUD504041	6.5	3.886



Gearbox weight
Peso riduttore **6.61 lb**

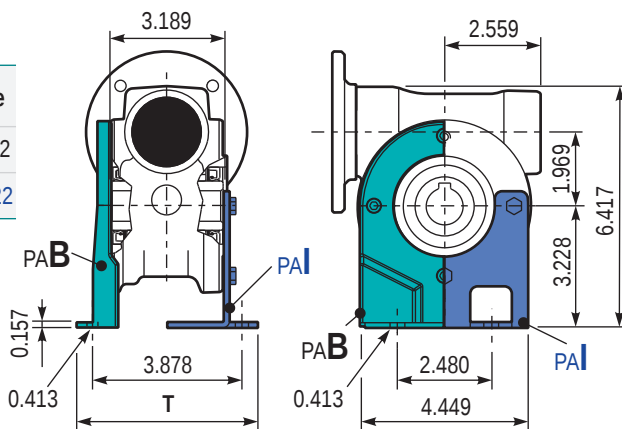
Hollow shaft
Foro in uscita



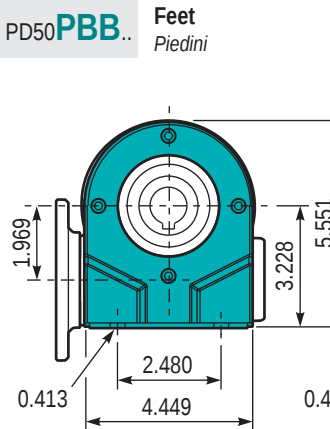
PD50**PA**... Feet
Piedini

Type	T	Kit code
B**	4.843	K0509022
I*	4.803	KN509022

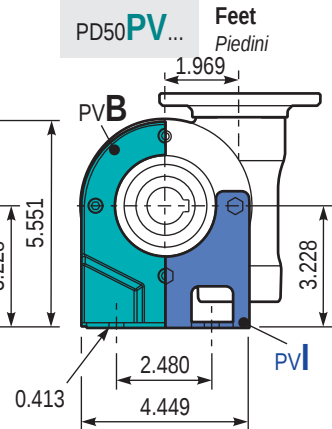
** Zink plated
* Stainless steel



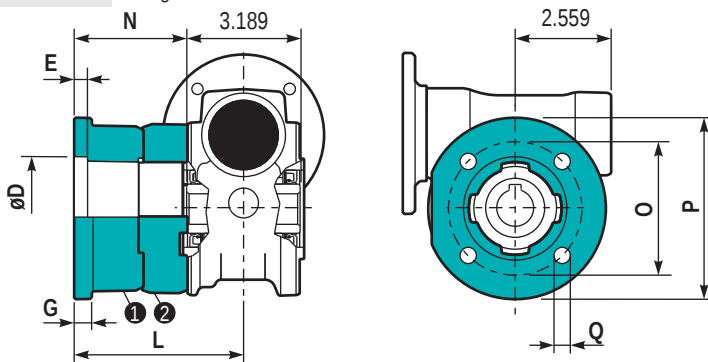
PD50**PBB**.. Feet
Piedini



PD50**PV**... Feet
Piedini

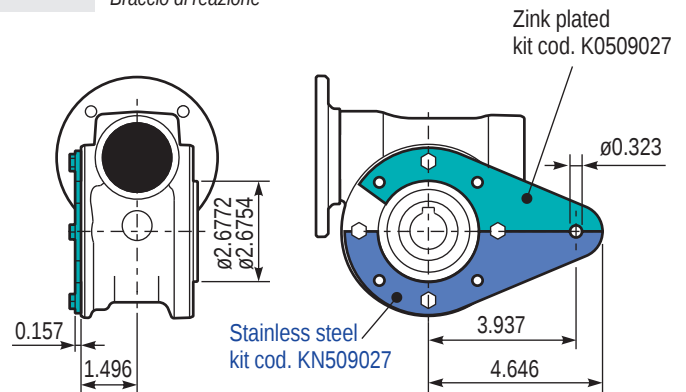


PD50**FL**.. Output flange
Flangia uscita



Type	øD	E	G	L	N	O	P	Q	Kit code
C	2.7638 2.7618	0.35	0.47	3.346	1.752	3.543	4.843	0.41	① K0509010 ② -
L	2.7638 2.7618	0.35	0.47	4.508	2.913	3.543	4.843	0.41	① K0509010 ② K0500200

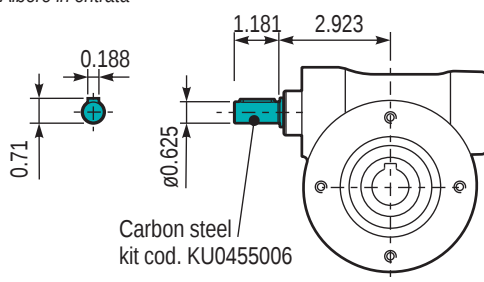
PD50**BR**... Reaction arm
Braccio di reazione



Zink plated
kit cod. K0509027

Stainless steel
kit cod. KN509027

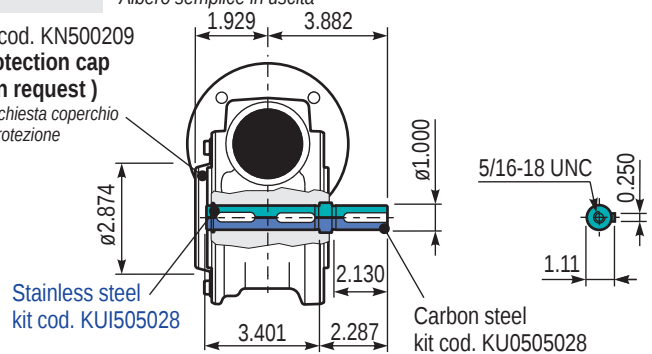
RD50UNI.. Input shaft
Albero in entrata



Carbon steel
kit cod. KU0455006

PD50..**SID** Single output shaft
Albero semplice in uscita

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



Stainless steel
kit cod. KUI505028

Carbon steel
kit cod. KU0505028