

Input speed (n_1) = 1750 min⁻¹

Output speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [HP]	Output torque M_{2M} [lb in]	Service factor $f.s$	Nominal power P_{1R} [HP]	Nominal torque M_{2R} [lb in]	Available NEMA motor flanges			Dynamic efficiency RD	Tooth module [mm]	Ratio code
							-W 56C	-X 143-5TC	-Y 182-4TC			
250.0	7	5	1109	2.0	9.90	2168	B	B		88	4.23	01
175.0	10	5	1441	1.7	8.40	2390	B	B		80	4.2	02
125.0	14	5	1967	1.3	6.61	2567	B	B		78	4.5	03
87.5	20	3	1707	1.5	4.41	2478	B	B		79	3.4	04
79.5	22	3	1854	1.3	4.06	2478	B	B		78	3.1	05
62.5	28	3	2269	1.3	3.91	2921	B	B		75	4.7	06
46.1	38	3	2915	1.0	2.95	2832	B	B		71	3.5	07
38.0	46	2	2253	1.2	2.47	2744	B	B		68	3.1	08
33.7	52	2	2472	1.0	1.99	2434	B	B		66	2.7	09
26.1	67	1.5	2353	1.0	1.57	2434	B	B		65	2.1	10
23.6	74	1.5	2319	1.0	1.48	2257	B	B		58	1.9	11
18.2	96	1	1833	1.1	1.13	2036	B	B		53	1.5	12

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 D85 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 D85 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:
42.23 oz.

Quantità olio per tutte
le posizioni: 42.23 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. KN850209



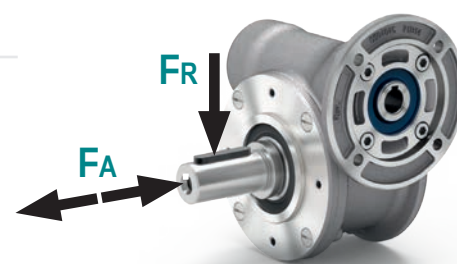
Radial and axial loads

Carichi radiali e assiali

Output shaft

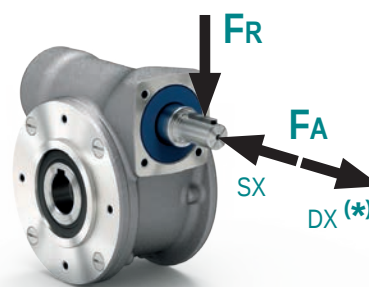
Albero di uscita

n_2 [min ⁻¹]	FA [lb]	FR [lb]
200	112	562
150	130	652
100	135	674
75	157	787
50	180	899
25	225	1124
15	261	1304



Input shaft

Albero in entrata



n_1 [min ⁻¹]	FA [lb]	FR [lb]
1750	36	182

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

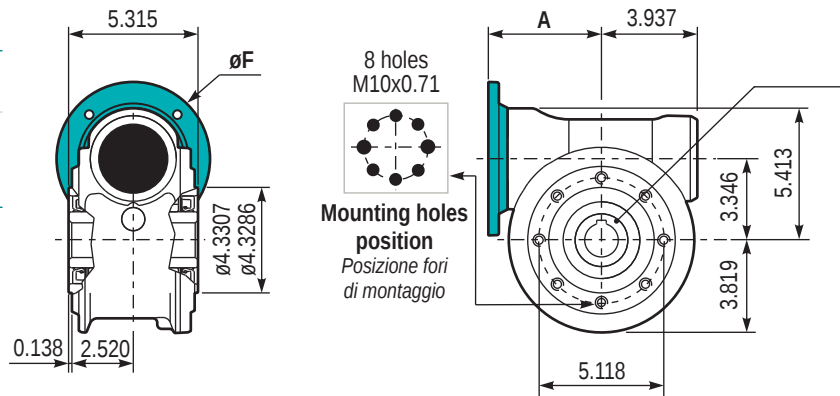
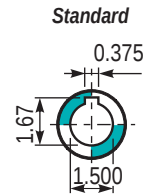
* Non sono consentiti forti carichi assiali con direzione DX

Tab. 2

PD85UNI..

Basic gearbox
Riduttore base

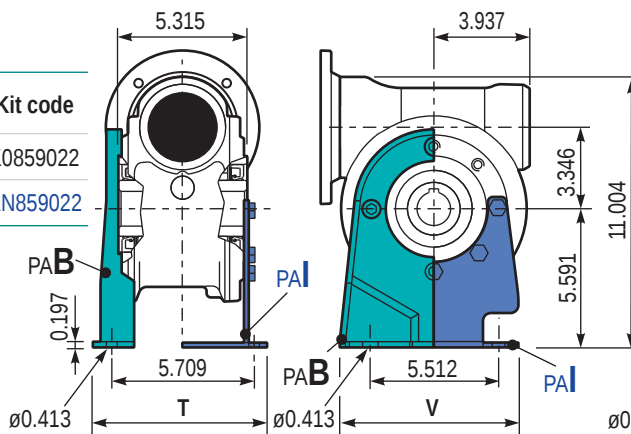
M. flanges	Kit code	øF	A
56C	KUD854041	6.50	4.823
143/5 TC	KUD854041	6.50	4.823
182/4 TC	KUD854042	8.88	5.527

Gearbox weight
Peso riduttore 24.25 lbHollow shaft
Foro in uscita

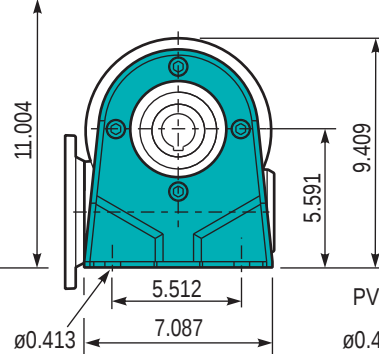
PD85PA...

Feet
Piedini

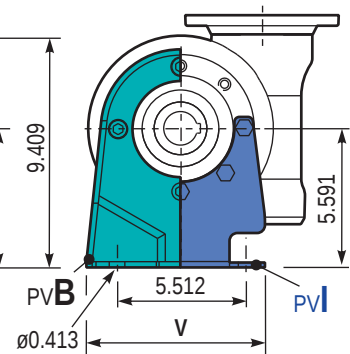
Type	T	V	Kit code
B**	7.165	7.087	K0859022
I*	6.929	6.772	KN859022

** Zink plated
* Stainless steel

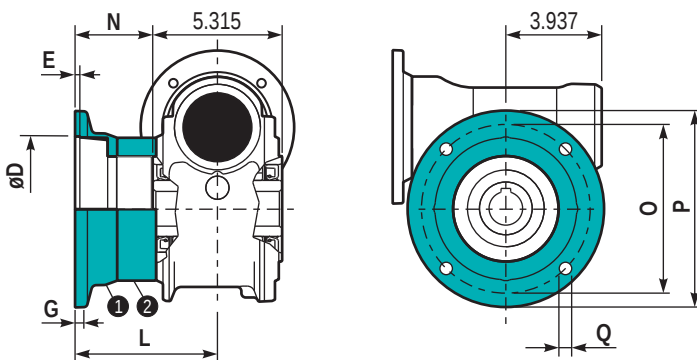
PD85PBB..

Feet
Piedini

PD85PV...

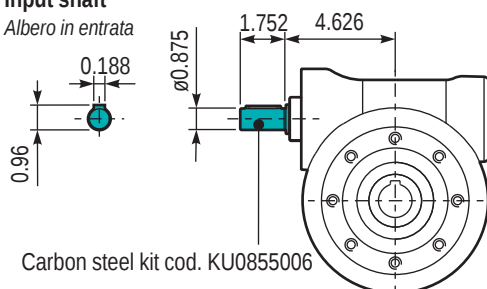
Feet
Piedini

PD85FL..

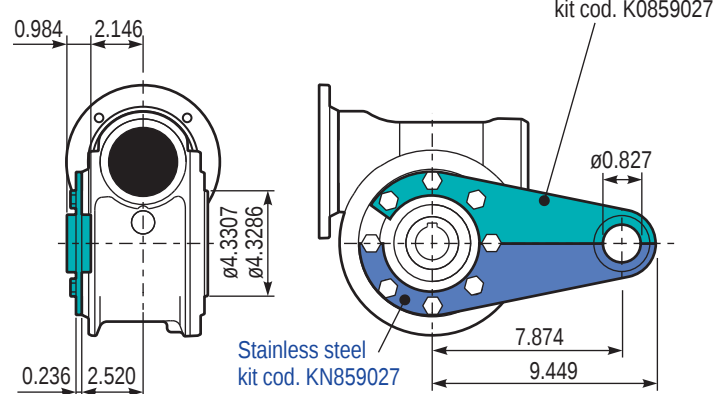
Output flange
Flangia uscita

Type	øD	E	G	L	N	O	P	Q	Kit code
C	5.9867 5.9843	0.20	0.63	4.252	1.594	6.929	8.071	0.51	① K0859010 ② -
L	5.9867 5.9843	0.20	0.63	5.846	3.189	6.929	8.071	0.51	① K0859010 ② K0850201

RD85UNI..

Input shaft
Albero in entrata

PD85BR...

Reaction arm
Braccio di reazione

PD85..SIH

Single output shaft
Albero semplice in uscitakit cod. KN850209
Protection cap
(on request)
A richiesta coperchio
di protezione