

Input speed ( $n_1$ ) = 1750 min<sup>-1</sup>

Output speed $n_2$ [min <sup>-1</sup> ]	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]	Ratios code
							-W 56C	-X 143-5TC			
250.0	7	2	419	2.5	5.10	1053	B		83	3.1	01
175.0	10	2	583	1.9	3.93	1133	B		81	3.1	02
116.7	15	2	854	1.4	2.75	1159	B		79	3.1	03
92.1	19	2	1068	1.1	2.20	1159	B		78	2.6	04
72.9	24	1.5	972	1.2	1.87	1195	B		75	2.0	05
58.3	30	1.5	1199	1.0	1.56	1230	B		74	3.2	06
48.6	36	1	882	1.4	1.42	1239	B		68	2.7	07
43.8	40	1	951	1.2	1.25	1177	B		66	2.5	13
38.9	45	1	1070	1.1	1.08	1142	B		66	2.1	08
29.2	60	0.75	1005	1.1	0.83	1097	B		62	1.6	12
26.1	67	0.5	724	1.4	0.73	1044	B		60	1.5	09
21.9	80	0.5	821	1.2	0.62	1000	B		57	1.3	10
18.6	94	0.5	880	1.1	0.58	1000	B		52	1.1	11

The nominal power should be reduced if the ambient temperature is  $\geq 30^\circ\text{C}$ , or when a cooler gearbox is required.

Diminuire la potenza nominale in caso di temperatura ambiente  $\geq 30^\circ\text{C}$  o se è richiesta una bassa temperatura di utilizzo del riduttore.

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 I45 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 I45 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.

### Shell

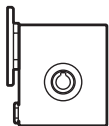
Omala S4 WE 320

### Eni

Telium VSF 320

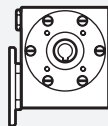
#### B3

Standard  
21.1 oz



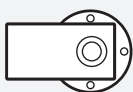
#### B8

On request  
21.1 oz



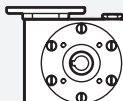
#### B6

On request  
21.1 oz



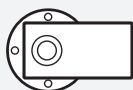
#### V5

On request  
21.1 oz



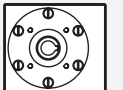
#### B7

On request  
28.9 oz



#### V6

On request  
21.1 oz



For more details on lubrication and plugs check our website.

Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web.

Tab. 1

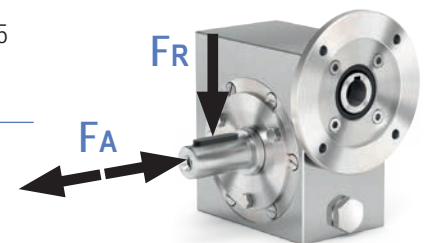
## Radial and axial loads

### Carichi radiali e assiali

### Output shaft

#### Albero di uscita

$n_2$ [min <sup>-1</sup> ]	FA [lb]	FR [lb]
200	81	404.5
150	90	450
100	103.5	517
75	112.5	562
50	135	674.5
25	157	854
15	180	899



Tab. 2

## Suggested

### Suggerito

Stainless steel protection cap  
(on request).

Coperchio di protezione in  
acciaio inox a richiesta.

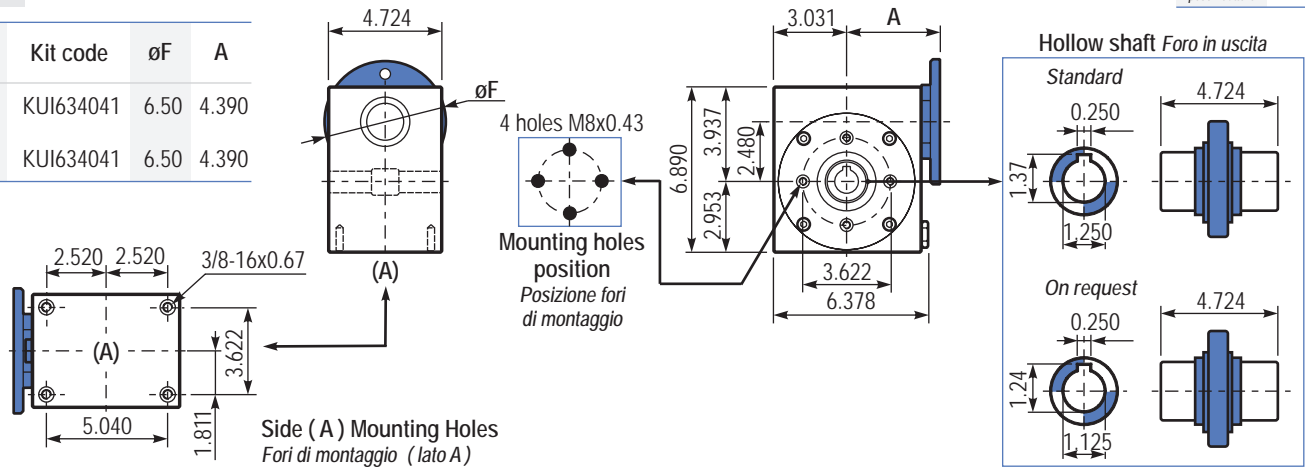
Kit cod. KI630211



PI63UNI... Basic gearbox  
Riduttore base

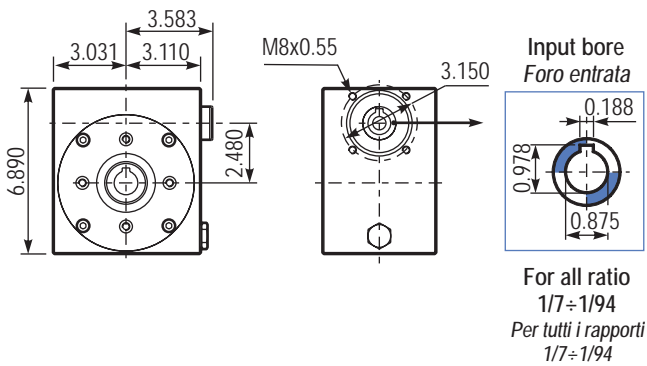
Gearbox weight  
peso riduttore 32.2 lb

M. flanges	Kit code	øF	A
56C	KUI634041	6.50	4.390
143/5 TC	KUI634041	6.50	4.390

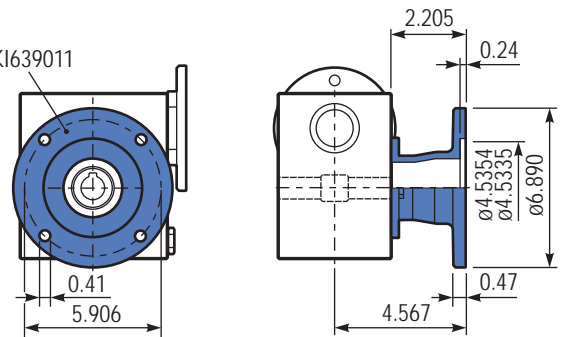


BI63UNI... Modular base  
Base modulare

PI63FLL... Output flange  
Flangia uscita

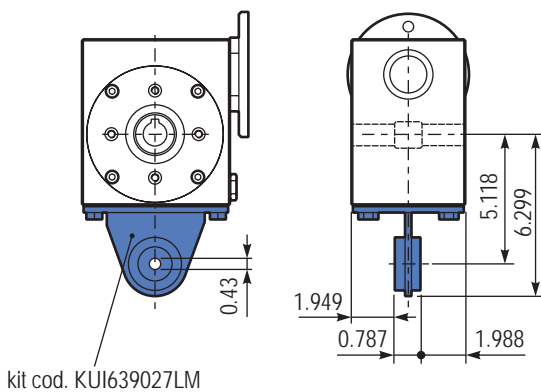


kit cod. KI639011



PI63BRI... Reaction arm  
Braccio di reazione

PI63.....SIF Single Shaft  
Albero lento semplice



kit cod. KI630211  
Protection cup (on request)  
A richiesta coperchio di protezione

