

ALUMINIUM - Stirnradstufe

Aluminum ratio multipliers

This range is



certified



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Aluminium

t	torque <i>Coppia</i> type <i>Tipo</i>	Center distance <i>Interasse</i>	Input power <i>Potenza in entrata</i>	Output shaft <i>Albero in uscita</i>
211Z	20 Nm	30 mm	0.25 ÷ 0.37 kW	ø14 mm



this product is:



Stainless steel output shaft.



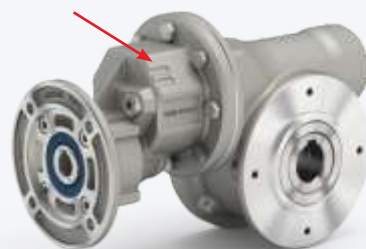
Ntt™ stands for a special surface treatment which results in modified external properties of the complete unit in order to get a smooth surface and an higher corrosion resistance.



Fully modular IEC flanges and compact NEMA C motor flanges.



Standard FPM (FKM) seals are used, since seals will be in a closed area.



Hardened and ground gears.

211Z

20
Nm

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The dynamic efficiency is **0.98** for all ratiosInput 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					
							-	-	-O	-P	-Q			
							-	-	56	63	71			
682	2.05	0.37	5	2.0	0.73	10			C	C		1939	standard ø14	01
595	2.35	0.37	6	2.1	0.76	12			C	C		1740		02
500	2.80	0.37	7	2.0	0.75	14			C	C		1542		03
414	3.38	0.37	8	2.0	0.75	17			C	C		1344		04
298	4.70	0.37	12	1.7	0.64	20			C	C		1047		05
225	6.22	0.37	15	1.5	0.55	23			C	C		956		06
169	8.29	0.37	20	1.0	0.36	20			C	C		758		07
142	9.83	0.25	16	1.0	0.24	16			C	C		659		08

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 211Z 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 211Z 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: 0.05Lt.	Agip	Shell
Quantità olio per tutte le posizioni: 0.05Lt	Telium VSF 320	Omala S4 WE 320

Radial and axial loads

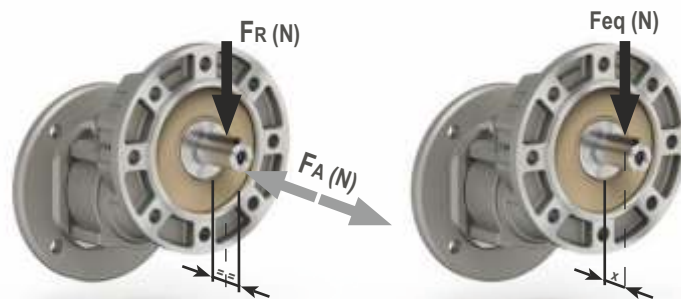
Carichi radiali e assiali

Output shaft

Albero di uscita

n_2 [min ⁻¹]	F_A [N]	F_R [N]
700	101	504
600	120	600
400	138	696
300	151	756
200	175	876
140	192	960

$$F_{eq} = F_R \cdot \frac{34.5}{X + 19.5}$$



Tab. 1

Tab. 2

20
Nm

211Z

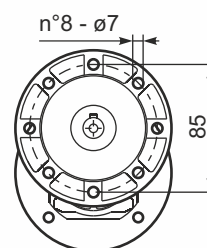
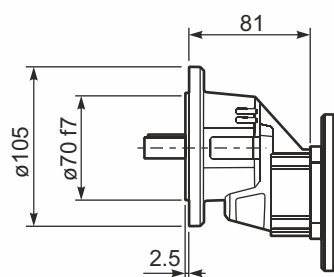
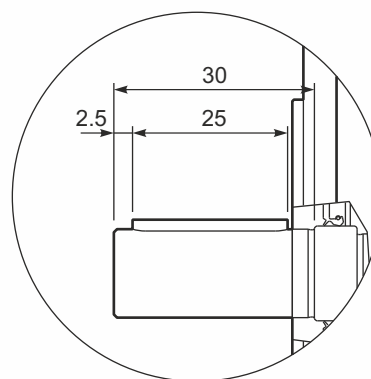
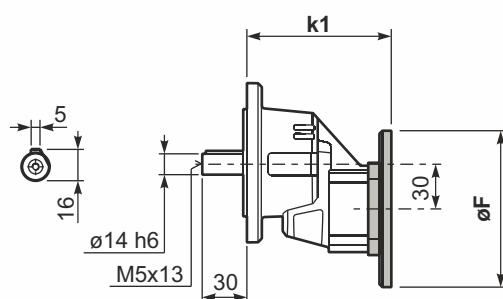
P211Z-F...

Basic gearbox
Riduttore base

Gearbox weight
Peso riduttore

1.40 kg

M. flanges	Kit code	k1	øF
56 B14	KZ504049	97	80
63 B14	KZ504047	99.5	90
71 B14	KZ504045	97	105



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