Q13+511 Square - Gear 972Nm Rating - Cast Iron WORM GEARBOXES

▪ QUICK SELECTION / Selezione veloce

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]	Available B5 motor flanges C 71	D 80	E 90	F 100 112	Available B14 motor flanges R 80	T 90	U 100 112	V 132	Dynamic efficiency RD	Tooth Module Mn [mm]	Ratios code
11.4	**123**	1.5	928	1.0	**1.57**	**972**	B								74	4.35	01
8.5	**166**	1.1	919	1.1	**1.16**	**972**	B								74	4.35	02
6.5	**216**	1.1	1197	0.8	**0.89**	**972**	B								74	4.35	03
5.3	**264**	0.75	998	1.0	**0.73**	**972**	B								74	4.35	04
4.4	**316**	0.55	854	1.1	**0.60**	**928**	B								72	3.65	05
3.7	**382**	0.55	1059	0.9	**0.50**	**972**	B								74	4.35	06
3.1	**458**	0.37	832	1.1	**0.41**	**928**	B								72	3.65	07
2.7	**525**	0.37	981	1.0	**0.37**	**972**	B								74	4.35	08
2.2	**630**	0.25	774	1.2	**0.30**	**928**	B								72	3.65	09
1.7	**840**	0.25	960	0.9	**0.22**	**853**	B								67	2.76	10

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

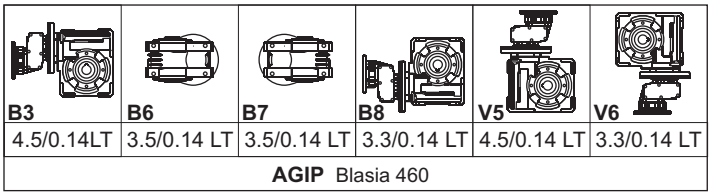
C) **Motor Flange Holes Position** Posizione Fori Flangia Motore

EN Unit Q13+511 is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
Primary reduction unit is supplied with closed plugs and lubricated for life with synthetic oil.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore tipo Q13+511 è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso. La precoppia è fornita con tappi chiusi e lubrificata a vita con olio sintetico.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße Q13+511 wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablaßschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
Die Stirnradvorstufe ist Lebensdauergeschmiert und wird mit synthetischem Öl Geliefert. Die Stirnradvorstufe ist komplett geschlossen ohne Füllschauben.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño Q13+511 se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.



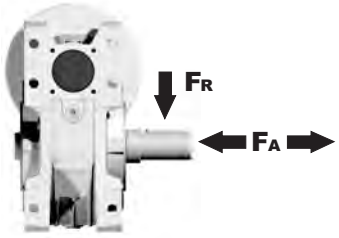
B3	B6	B7	B8	V5	V6
4.5/0.14LT	3.5/0.14 LT	3.5/0.14 LT	3.3/0.14 LT	4.5/0.14 LT	3.3/0.14 LT

AGIP Blasia 460

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

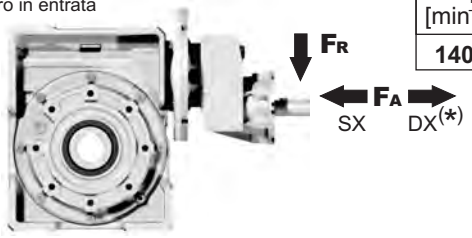
▪ RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita



n_2 [min^{-1}]	FA [N]	FR [N]
75	1380	6900
50	1560	7800
25	2000	10000
15-6	2400	12000

Input shaft
albero in entrata



n_1 [min^{-1}]	FA [N]	FR [N]
1400	400	2000

***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

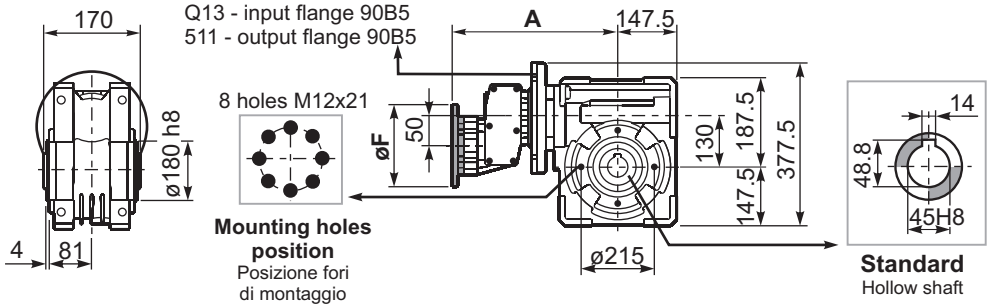
▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PQ13**FB**... Basic wormbox
Riduttore base

P511-**F**... Output flange
Flangia uscita

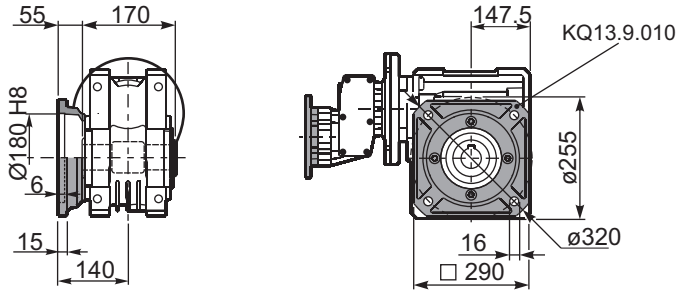
Gearbox weight peso riduttore **53.0 kg**

M. flanges	Kit code	øF	A
71B5	K023.4.041	160	330
80/90B5	K023.4.042	200	332
100/112B5	K023.4.043	250	338
80B14	K085.4.046	120	330
90B14	K085.4.045	140	330
100/112B14	K023.4.041	160	330
132B14	KC50.4.041	200	368.5



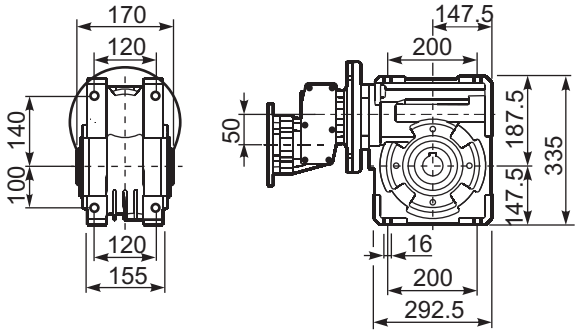
PQ13**FC**... Square flange
Flangia quadrata

P511-**F**... Output flange
Flangia uscita



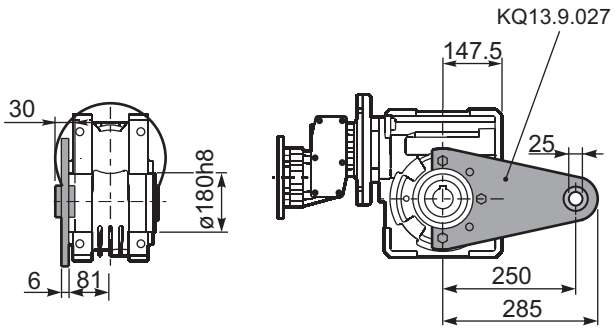
PQ13**FB**... Feet
Piedini

P511-**F**... Output flange
Flangia uscita



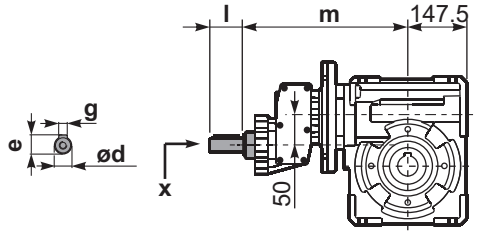
PQ13**BR**... Reaction arm
Braccio di reazione

P511-**F**... Output flange
Flangia uscita



PQ13FB... Basic wormbox
Riduttore base

R511-**F**... Imput shaft
Albero in entrata



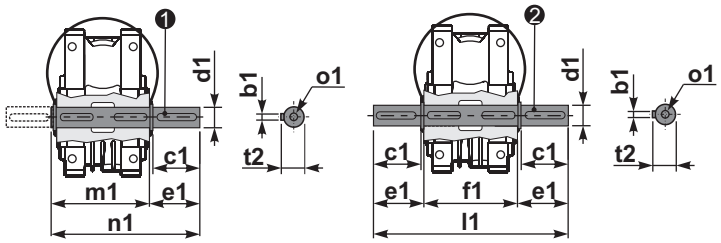
	ød	e	g	l	m	x	
-	ø24 h6	27	8	50	323.5	M6x16	C50.5.062
-	-	-	-	-	-	-	

PQ13.....**S**... Single Shaft
Albero lento semplice

P511-F... Output flange
Flangia uscita

PQ13.....**D**... Double Shaft
Albero lento bisp.

P511-F... Output flange
Flangia uscita



❶ kit cod. KQ13.5.028 type **B**

❷ kit cod. KQ13.5.029 type **B**

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
type	14	80	$45^{0}_{-0.016}$	85	170	340	180	265	48.5	M16
type	-	-	-	-	-	-	-	-	-	-