Catalogue Réducteurs

www.sotic.com

sotic®

motoréducteur/gear box

Z.I. Route du Barrage
07250 Le Pouzin - FRANCE

sotic®

motoréducteur/gear box

Spécialiste du motoréducteur

Depuis 1991, Sotic conçoit, fabrique et commercialise des solutions de transmission de puissance, d'entraînement et d'automatisation : moteur, réducteur, motoréducteur, variateur mécanique de vitesse et variateur de fréquence. Ce savoir-faire nous permet d'occuper aujourd'hui une place reconnue sur le marché, et dans tous les domaines d'activité : Agro-alimentaire, pharmaceutique, industriel, logistique, nucléaire, cosmétique.

Service : disponibilité & interchangeabilité

Avec près de 200 000 combinaisons en stock, nous proposons une polyvalence totale, des assemblages modulaires et des solutions interchangeables à de nombreuses marques. Cette disponibilité des produits ainsi que notre implantation française permet de garantir un service et un délai optimisés.

Solutions : réactivité & innovation

Aujourd'hui, forte de son expérience dans le choix et la définition du moteur, du motoréducteur et des organes de transmission, l'équipe Sotic analyse vos besoins et vous apporte conseil et assistance avec des devis sous 24 heures. La solution technique proposée optimise le système mécanique de l'ensemble en apportant des gains énergétiques significatifs : moteurs à haut rendement IE2 et IE3, vitesse variable et pilotage électronique.

A Specialist of the Gearbox

Since 1991, SOTIC has been designing, manufacturing and selling solutions in power transmission: electric motor, gearbox, gear motor, speed variator and frequency inverter. This know-how enables us to occupy today a well-established position on the market, and in all sectors of activity: food industry, pharmaceutical, industrial, logistics, nuclear, cosmetics.

Service: availability and interchangeability

With more than 200000 combinations in our warehouse, SOTIC is offering a complete adaptability, modular assembling and interchangeable solutions to many brands.

Solutions: reactivity and innovation

Strengthened by its long experience in the choice and definition in the power transmission, the SOTIC team will analyze your needs and will bring you advice and assistance within 24 hours, with a continuous concern for innovation: IE2 and IE3 high efficiency motors, variable speed, electronic control.

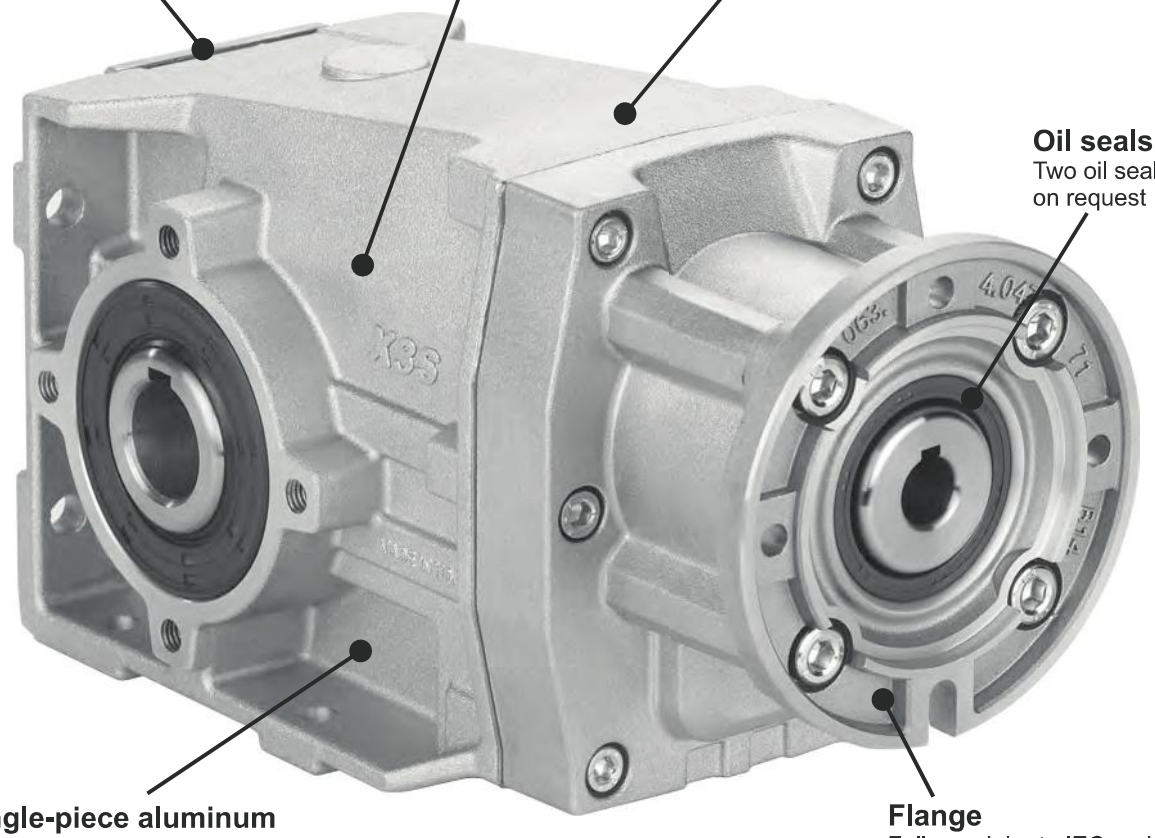
Aluminum and cast iron helical bevel gearbox

A modular and compact product
Very energy efficent drive

Removable inspection cover
Allows periodic inspection of gearing during routine maintenance

Gears
Hardened and ground gears

Alloy housing
Is vacuum impregnated (MIL-STD 276) for protection and sealing. No secondary finish required but readily accepts paint.



Oil seals
Two oil seals on request

Single-piece aluminum
Combines light weight with high tensile strength. Precision machined for alignment of bearings and gearing

Flange
Fully modular to IEC and Compact integrated motor.
NEMA C flange

Cast Iron housing
With high tensile strength. Precision machined for alignment of bearings and gearing

Specific type datasheet on page...

On page / A pagina / Auf Seite / À la page /En la página

Types / Tipi
Typen / Types
Tipos

1-7	1-9	1-11	1-13	1-15	1-17	1-19	1-21	1-23
X22S 50Nm	**X32S** 90Nm	**X33S** 100Nm	**X42A** 150Nm	**X43A** 160Nm	**X52A** 250Nm	**X53A** 250Nm	**X62A** 410Nm	**X63A** 410Nm

On page / A pagina / Auf Seite / À la page / En la página

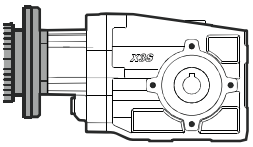
Types / Tipi
Typen / Types
Tipos

1-25	1-27	1-29	1-31
113C 675Nm	**114C** 675Nm	**133C** 1000Nm	**134C** 1000Nm

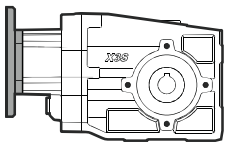
CODIFICA / HOW TO ORDER / TYPENBEZEICHNUNGEN / CODIFICATION / CODIFICACIÓN

Type - Tipo - Typ Type - Tipo	**Size** - Grandezza - Grösse Taille - Tomaño	**Mounting** - Montaggio Montage - Fixation Tipo de montaje	**Rapporto** - Ratio Untersetzung - Reduction Relacion	**Output shaft** - Albero uscita Ausgangsflansch Arbre de sortie Brida en solida
M	**X22S**	**C**	**4.83**	**A**

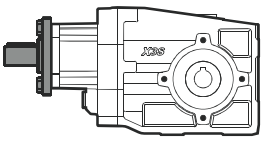
Helical-bevel gear
Riduttori ortogonali



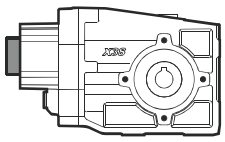
With IEC motor
M



With motor flange
P



With male input shaft
R



Modular base
B

2 Stages Riduzioni Stufen Trains Etapas | 3 Stages Riduzioni Stufen Trains Etapas

Aluminum
Alluminio
Aluminium
Aluminium
Aluminio

X22S
X32S
X42A
X52A
X62A

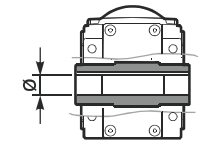
X33S
X43A
X53A
X63A

3 Stages Riduzioni Stufen Trains Etapas | 4 Stages Riduzioni Stufen Trains Etapas

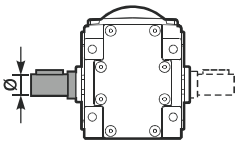
Cast Iron
Ghisa
Grauguss
Fonte
Fundicion

113C
133C

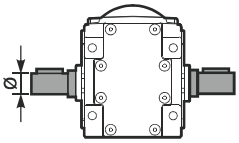
114C
134C



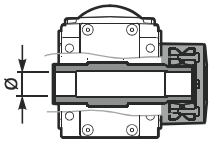
Hollow outpu shaft
C



Single output shaft
A

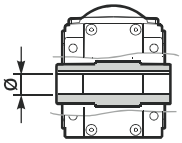


Double output shaft
only for 113/4C and 133/4C
B



Shrink Disk
(only on the DX side)
D

Only on request for Q.ty
A richiesta per quantità
For 113/4C and 133/4C
is not available.



Stainless steel hub
I

Stainless steel hub
Mozzo in acciaio Inox
Edelstahlhohlwelle
Moyeu en acier Inox
Nucleo corona de acero Inox

Only on request for Q.ty
A richiesta per quantità

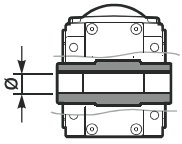
See technical data table

Vedi tabelle dati tecnici.

Technisches Datenblatt beachten

Voir Tableau données techniques

Ver tabla datos técnicos



➡ STANDARD
Hollow output shaft

X22S
A ⇨ ø18
B ➡ **ø20**

X32S X33S
B ➡ **ø20**
C ⇨ ø25

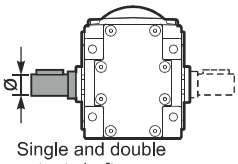
X42A X43A
C ➡ **ø25**
D ⇨ ø30

X52A X53A
D ➡ **ø30**
E ⇨ ø35

X62A X63A
E ➡ **ø35**
F ⇨ ø40

113C 114C
F ⇨ ø40
G ➡ **ø42**

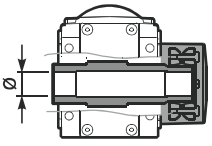
133C 134C
H ➡ **ø45**



Single and double output shaft

I X22S X32/3S ⇨ ø20
L X32/3S X42/3A ⇨ ø25
M X52/3A ⇨ ø30
N X62/3A ⇨ ø35
O 113/4C ⇨ ø42
P 133/4C ⇨ ø45

Double output shaft is available only for 113/4C and 133/4C



Shrink Disk

U X22S X32/3S ⇨ ø20
Q X42/3A ⇨ ø30
R X52/3A ⇨ ø35
S X62/3A ⇨ ø40

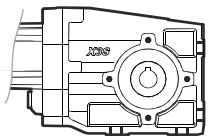
Dossier according to 94/9/EG II, b ii stored
TÜV NORD 0032

On request we can deliver our products according to the ATEX
A richiesta possiamo fornire i nostri prodotti secondo le normative ATEX
Auf Anfrage können wir unsere Produkte den Richtlinien ATEX entsprechend liefern
Sur demande nos produits peuvent se conformer à la réglementation ATEX
A pedido, se pueden enviar nuestros productos de acuerdo con las normas ATEX.

CODIFICA / HOW TO ORDER / TYPENBEZEICHNUNGEN / CODIFICATION / CODIFICACIÓN

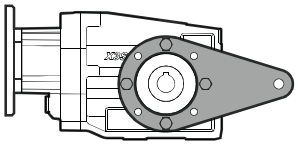
Type - Tipo - Typ
Type - Tipo

BR



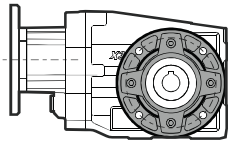
FB

Forma base
Universal



BR

Braccio d reazione
Reaction arm

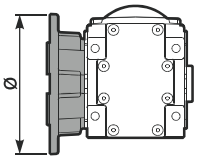


-F

Flangia uscita
output flange

Output flange - Flangia di uscita
Ausgangs Flansch
Bride de sortie - Brida en salida

N



N Senza flangia
Without flange

X22S

0 ⇨ ø110
1 ⇨ ø120

X32S X33S

1 ⇨ ø120
2 ⇨ ø160

X42-3A X52-3A
X62-3A

2 ⇨ ø160
3 ⇨ ø200
4 ⇨ ø250

113C 114C

C ⇨ ø280
L ⇨ ø280

133C 134C

C ⇨ ø320

Motor size - Grandezza motore
Motor Grösse
Grandeur moteur - Tamaño motor

-O

Standard motor flange
Flangia motore standard

B5	B14
-A=56 (ø120)	**-O**=56 (ø80)
-B=63 (ø140)	**-P**=63 (ø90)
-C=71 (ø160)	**-Q**=71 (ø105)
-D=80 (ø200)	**-R**=80 (ø120)
-E=90 (ø200)	**-T**=90 (ø140)
-F=100÷112 (ø250)	**-U**=100÷112 (ø160)
-G=132 (ø300)	**-V**=132 (ø200)

Input shaft type R / Tipo R

X22S X33S X43A

-1 ➡ ø14

X52A X62A 113C 133C

-3 ➡ ø24

X32S X42A X53A X63A 114C 134C

-2 ➡ ø19

Input model base bore
Foro entrata standard

X22S X33S X43A

-Z ⇨ ø9 (56B5)
-0 ⇨ ø11 (63B5)
-1 ➡ ø14 (71B5)

X52A X62A 113C 133C

-2 ⇨ ø19 (80B5)
-3 ⇨ ø24 (90B5)
-4 ➡ ø28 (100B5)

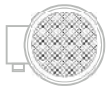
X32S X42A X53A X63A 114C 134C

-1 ⇨ ø14 (71B5)
-2 ⇨ ø19 (80B5)
-3 ➡ ø24 (90B5)

➡ **STANDARD**

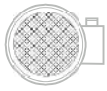
Terminal box position
Posizione morsettiera
Klemmkastenlage
Position boîte à bornes
Posición caja de bornes

B



A

B
STANDARD

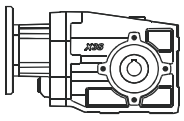


C

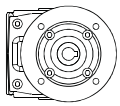
D

Mounting position
Posizione montaggio
Einbaulage
Position de montage
Position de montaje

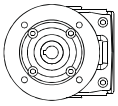
B3



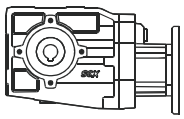
B3
STANDARD



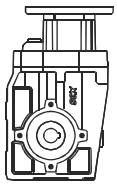
B6



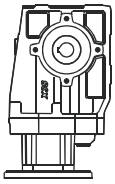
B7



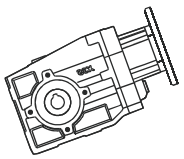
B8



V5



V6



V8

Specify only for vertical positions

Specificare solo per posizione verticale

POTENZA RICHIESTA / REQUIRED POWER / ERFORDERLICHE LEISTUNG / PUISSANCE NECESSAIRE / POTENCIA NECESARIA

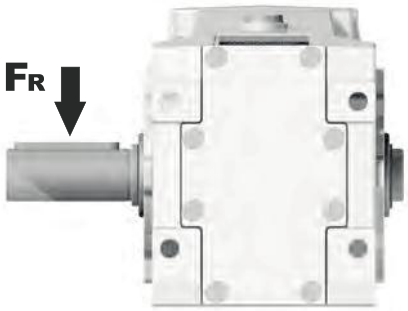
Lifting / sollevamento / hubantriebe / levage / elevactión	$\mathbf{P}\ [KW] = \frac{\mathbf{M}\ [Kg] \cdot \mathbf{g}\ [9.81] \cdot \mathbf{v}\ [m/s]}{\mathbf{1000}}$
Rotation / rotazione / drehung / rotation / rotaction	$\mathbf{P}\ [KW] = \frac{\mathbf{M}\ [Nm] \cdot \mathbf{n}\ [rpm]}{\mathbf{9550}}$
Linear movement / traslazione / linearbewegung / translation / translacion	$\mathbf{P}\ [KW] = \frac{\mathbf{F}\ [N] \cdot \mathbf{v}\ [m/s]}{\mathbf{1000}}$

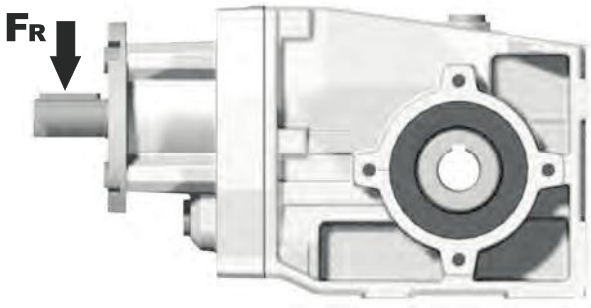
TORQUE / COPPIA / DREHMOMENT / COUPLE / PAR

	$\mathbf{M}\ [Nm] = \frac{\mathbf{9550} \cdot \mathbf{P}[KW]}{\mathbf{n}\ [rpm]}$
	$\mathbf{M}\ [lb\ in] = \frac{\mathbf{63030} \cdot \mathbf{P}[HP]}{\mathbf{n}\ [rpm]}$

RADIAL LOADS / CARICHI RADIALI / RADIALE - UND AXIALLASTEN / CHARGES RADIALES / CARGA RADIAL Y AXIAL

- Radial load generated by external transmissions keyed onto input and/or output shafts.
- Forza radiale generata da organi di trasmissione calettati sugli alberi di ingresso e/o uscita.
- Belastungen der Antriebs- bzw. Abtriebswellen durch von aussen eingebrachte Radiallasten.
- Charge radiale générée par la transmissions calés sur les entrées et / ou des arbres de sortie
- Cargas radiales, generada por transmisiones externas, aplicadas sobre los ejes de entrada y/o salida





$F_R\ [N] = \frac{M\ [Nm] \cdot 2000}{d\ [mm]} \cdot f_K$	$F_R\ [N] = \frac{M\ [lb\ in] \cdot 8.9}{d\ [in]} \cdot f_K$

M	Momento torcente / Output torque / Abtriebsdrehmoment / Couple / Par torsion
d	Diametro primitivo / Diam. of driving element / Durchmesser der Abtriebseinheit / Diamètre primitif / Diámetro primitivo
$\mathbf{f_k}$	Coefficiente di trasformazione / Factor / Faktor / Coefficient de transmission / Coeficiente de transmisión **1.15** Ingranaggi / Gearwheels / Zahnrad / Engrenage / Engranaje **1.25** Catena / Chain sprochets / Antriebskette / Chaîne / Cadena **1.75** Cinghia Trapezoidale / Narrow v-belt pulley / Keilriemen / Courroie trap. / Correa trapezoidal **2.50** Cinghia piatta / Flat-belt pulley / Flachzahnriem. / Courroie crantée / Correa plana

— If your application requires higher radial loads, contact our technical office. Higher load may be possible.
— Nel caso la vostra applicazione richieda carichi radiali superiori consultare il nostro ufficio tecnico, valori maggiori possono essere accettati.
— Wenn Ihre Anwendung höhere Radialbelastungen erfordert, so wenden Sie sich bitte an unser technischen Büro.
— Si votre application demande des charges radiales supérieures, s'adresser à notre bureau technique.
— En el caso en que una aplicación exija una carga radial superior a la especificada en el catálogo, consultar a nuestra oficinas técnica.

B — Output speed / Velocità in uscita / Abtriebsdrehzahl / Vitesse de sortie / Velocidad de salida

Nominal power / Potenza nominale / Max. mögliche Leistung / Poissance nominale / Potencia nominal

Gear size / Grandezza riduttore / Getriebegröße / Taille réducteur / Tamaño reductor

Motor power / Potenza motore / Motorleistung / Puissance moteur / Potencia motor

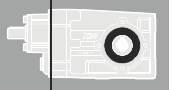
A — Nominal torque / Momento torcente nominale / Nenn Drehmoment / Couple nominal / Par de torsión nominal

Flange code / Codice flangia / Flanschtype / Code bride / Código bridas

Input speed / Velocità in entrata / Eintriebsdrehzahl / Vitesse en entrée / Velocidad de entrada

X22S Angletech Gear 50Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES



▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

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 B	Available B5 motor flanges C	Available B14 motor flanges O	Available B14 motor flanges P	Available B14 motor flanges Q	Output Shaft ø	Ratios code
							63	71	56	63	71		
289.7	**4.83**	0.37	11.7	2.6	**0.95**	**30**			C	C		289	01
189.2	**7.40**	0.37	17.9	1.7	**0.62**	**30**			C	C		287	02
146.2	**9.58**	0.37	23.2	1.7	**0.64**	**40**			C	C		199	03
127.5	**10.98**	0.37	26.6	1.7	**0.63**	**45**			C	C		179	04

C — Ratio / Rapporto / Untersetzung / Rapport de réduction / Relación

Transmitted torque / Momento torcente trasmesso / Mögliche Drehmomente / Couple de sortie / Par transmitido

Service factor / Fattore di servizio / Betriebsfaktor / Facteur de service / Factor de servicio

Output shaft diam. / Diam. albero uscita / Durchmesser abtriebswelle / Diametre arbre lent / Diametro eje de salida

Notes / Note / Anmerkungen / Note / Notas

fs

Type of load and starts per hour / Tipo di carico e avviamenti per ora		Oper. hours per day / Ore di funz. giorn. 3 h	10 h	24 h
Continuous or intermittent appl. with start / hour Applicazione cont. o interm. con n.ro operazioni/ora ≤ **10**	Uniform / Uniforme	0.8	1	1.25
	Moderate / Moderato	1	1.25	1.5
	Heavy / Forte	1.25	1.5	1.75
Intermittent application with start / hour Applicazione intermittente con n.ro operazioni/ora > **10**	Uniform / Uniforme	1	1.25	1.5
	Moderate / Moderato	1.25	1.5	1.75
	Heavy / Forte	1.5	1.75	2.15

D — Motor flange available / Flange disponibili / Erhältliche Motorflansche / Brides disponibles / Bridas disponibles

B) Mounting with reduction ring / Montaggio con boccola di riduzione / Reduzierhülsen / Montage avec douille de réduction / Montaje con casquillo de reducción

C) Motor flangeholes position/terminal box position / Posizione fori flangia/basetta motore / Bohrungsposition am Motorflansch/-sockel / Position trous bride/barrette à bornes moteur / Posición agujeros brida / base motor

B) Available without reduction bushes / Disponibile anche senza boccola / Auch ohne Reduzierbuchse verfügbar / Disponible aussi sans douille de réduction / Disponible tambien sin casquillo

A	Select required torque (according to service factor)	Seleziona la coppia desiderata (comprensiva del fattore di servizio)	Max. Drehmoment in Bezug zum Betriebsfaktor	Sélectionner le couple souhaité (comprenant le facteur de service)	Seleccionar el par deseado (incluyendo el factor de servicio)
B	Select ouput speed	Seleziona la velocità in uscita	Ausgewählte Abtriebsdrehzahl	Sélectionner la vitesse de sortie	Seleccionar la velocidad de salida
C	On the same line of selected geared motor, you can find the gear ratio	Sulla riga corrispondente alla motorizzazione prescelta si può rilevare il rapporto di riduzione	Auf der gleichen Linie wie die ausgewählte Motorleistung steht auch die Getriebeuntersetzung	Sur la ligne correspondante à la motorisation pré-choisie on peut relever le rapport de réduction	En la línea correspondiente al motor preseleccionado es posible encontrar la relación de reducción
D	Select motor flange available (if requested)	Scegli la flangia disponibile (se richiesta)	Erhältliche Motorflansche (auf Anfrage)	Choisir la bride disponible (si elle est demandée)	Seleccionar la brida disponible (sobre pedido)

1

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

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 B	Available B5 motor flanges C	Available B14 motor flanges O	Available B14 motor flanges P	Available B14 motor flanges Q		Output Shaft ø	Ratios code
							63	71	56	63	71			
290	**4.83**	0.37	12	2.6	0.95	30			C	C		289		01
189	**7.40**	0.37	18	1.7	0.62	30			C	C		287		02
146	**9.58**	0.37	23	1.7	0.64	40			C	C		199		03
128	**10.98**	0.37	27	1.7	0.63	45			C	C		179		04
107	**13.07**	0.37	32	1.4	0.53	45			C	C		159	**standard**	05
95	**14.66**	0.37	35	1.3	0.47	45			C	C		197	**ø20**	06
89	**15.79**	0.37	38	1.2	0.44	45			C	C		139		07
83	**16.81**	0.37	41	1.1	0.41	45			C	C		177		08
70	**20.00**	0.37	48	1.0	0.37	48			C	C		157	ø18	09
64	**21.93**	0.37	53	0.9	0.35	50			C	C		109	On request	10
58	**24.18**	0.25	39	1.3	0.32	50			C	C		137		11
48.2	**29.04**	0.25	47	1.1	0.26	50			C	C		99		12
41.7	**33.57**	0.18	42	1.2	0.23	50			C	C		107		13
36.2	**38.67**	0.18	48	1.0	0.20	50			C	C		79		14
31.5	**44.44**	0.18	56	0.9	0.17	50			C	C		97		15
23.7	**59.18**	0.12	48	1.0	0.13	50			C	C		77		16
19.9	**70.24**	0.09	45	1.1	0.11	50			C	C		67		17

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

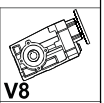
EN Unit **X22S** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X22S** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X22S** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X22S** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X22S** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

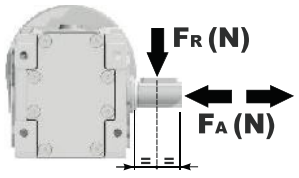
Standard supplied	**For these mounting position specify in the order or add oil** Per queste posizioni specificare in fase d'ordine o aggiungere olio					
 **B3**	 **B6**	 **B7**	 **B8**	 **V5**	 **V6**	 **V8**
0.25 LT	0.25 LT	0.25 LT	0.25 LT	0.43 LT	0.31 LT	0.25 LT
AGIP Telium VSF 320				**SHELL** Omala S4 WE 320		

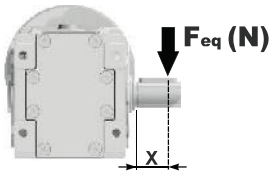
For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

▪ RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$$Feq = F_R \cdot \frac{42}{X+23}$$





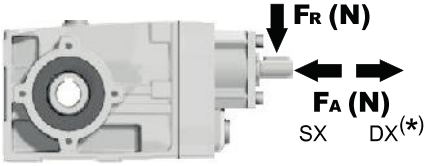
n_2 [min^{-1}]	FA	FR
400	360	1800
250	380	1900
150	420	2100

n_2 [min^{-1}]	FA	FR
100	440	2200
75	440	2200
50	440	2200

n_2 [min^{-1}]	FA	FR
25	440	2200
15	440	2200

FR **On request taper roller bearings to increase radial loads.**
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata



n_1 [min^{-1}]	FA	FR
1400	140	700
900	160	800
600	190	950

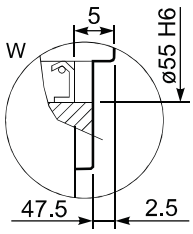
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

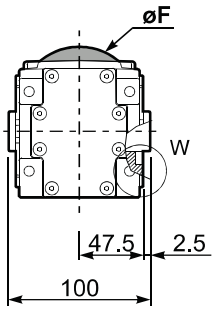
tab. 2

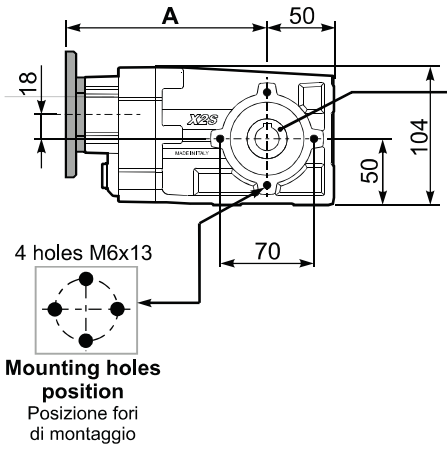
PX22SC... Basic Gearbox
Riduttore base

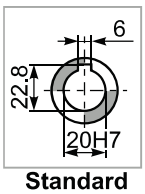
Gearbox weight peso riduttore	3.70 kg

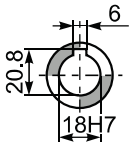
M. flanges	Kit code	øF	A
63B5	K050.4.041	138	152.5
71B5	K050.4.042	160	150.5
56B14	KC40.4.049	80	152
63B14	K050.4.047	90	154.5
71B14	K050.4.045	105	152



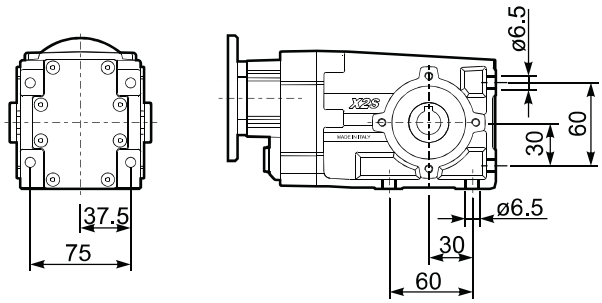




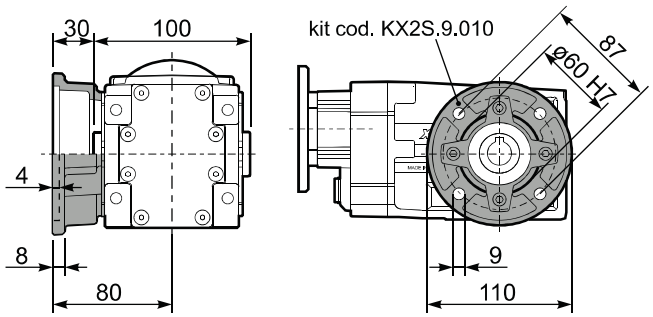




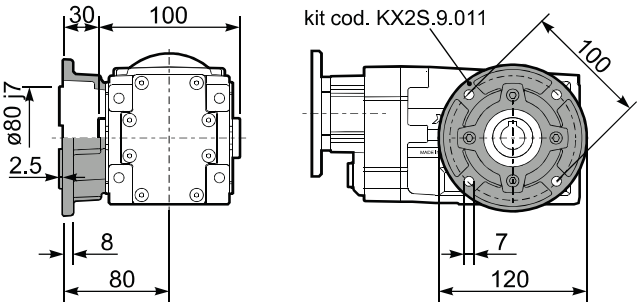
PX22S..-N.. Feet
Piedini



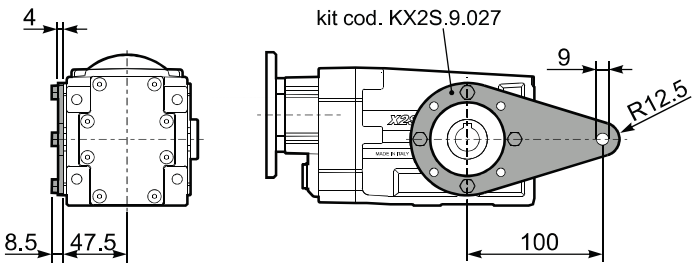
PX22S-F0.. Output flange
Flangia uscita



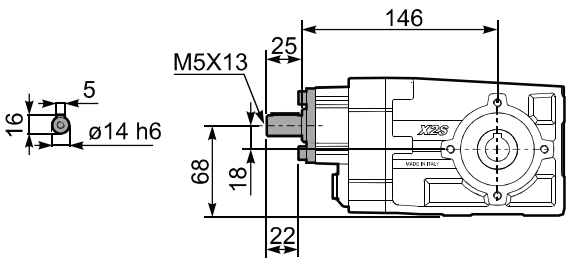
PX22S-F1.. Output flange
Flangia uscita



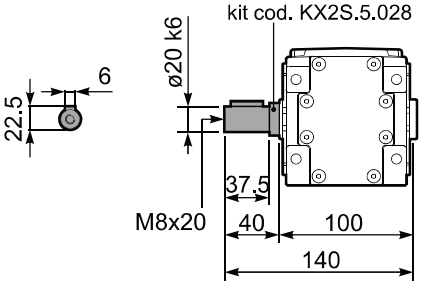
PX22SBR.. Reaction Arm
Braccio di reazione



RX22S.. Input shaft
Albero in entrata



PX22S..A.. Single output shaft
Albero semplice in uscita



1

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

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 B	C	D	E	Available B14 motor flanges Q	R	T		Output Shaft	Ratios code
							63	71	80	90	71	80	90			
191	**7.33**	1.5	72	1.0	1.5	70	B				C	C		289		01
125	**11.22**	1.1	80	1.1	1.2	85	B				C	C		287		02
106	**13.26**	1.1	95	0.9	0.98	85	B				C	C		199		03
91	**15.37**	1.1	110	0.8	0.89	90	B				C	C		179		04
78	**18.04**	0.75	89	1.0	0.76	90	B				C	C		159	**standard**	05
69	**20.30**	0.75	100	0.9	0.68	90	B				C	C		197	**ø20**	06
65	**21.54**	0.75	106	0.9	0.64	90	B				C	C		139		07
59	**23.53**	0.55	85	1.1	0.58	90	B				C	C		177		08
51	**27.62**	0.55	100	0.9	0.50	90	B				C	C		157	ø25	09
47.6	**29.40**	0.55	106	0.8	0.47	90	B				C	C		109	On request	10
42.5	**32.97**	0.37	80	1.1	0.42	90	B				C	C		137		11
36.5	**38.37**	0.37	93	1.0	0.36	90	B				C	C		99		12
31.1	**45.00**	0.25	73	1.2	0.31	90	B				C	C		107		13
27.6	**50.67**	0.25	83	1.1	0.27	90	B				C	C		79		14
23.8	**58.73**	0.18	73	1.2	0.23	90	B				C	C		97		15
18.1	**77.55**	0.18	97	0.9	0.18	90	B				C	C		77		16

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

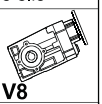
EN Unit **X32S** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X32S** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X32S** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X32S** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X32S** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

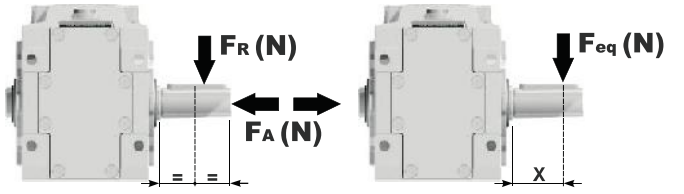
Standard supplied	**For these mounting position specify in the order or add oil** Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	**B6**	**B7**	**B8**	**V5**	**V6**	**V8**
0.40 LT	0.60 LT	0.40 LT	0.60 LT	0.85 LT	0.60 LT	0.40 LT
AGIP Telium VSF 320				**SHELL** Omala S4 WE 320		

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

$$Feq = F_R \cdot \frac{47.5}{X+28.5}$$



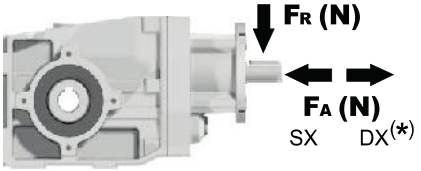
n_2 [min^{-1}]	FA	FR
250	400	2000
150	450	2250
100	500	2500

n_2 [min^{-1}]	FA	FR
75	560	2800
50	560	2800
25	560	2800

n_2 [min^{-1}]	FA	FR
15	560	2800

FR **On request taper roller bearings to increase radial loads.**
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata



n_1 [min^{-1}]	FA	FR
1400	240	1200
900	280	1400
600	340	1700

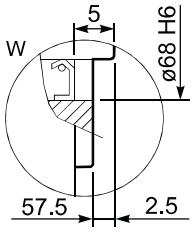
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

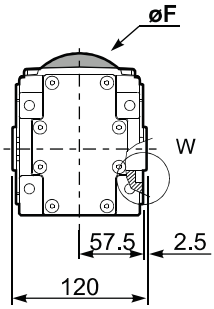
tab. 2

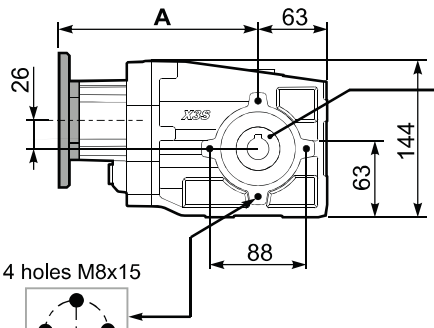
PX32SC... Basic Gearbox
Riduttore base

Gearbox weight / peso riduttore: **6.30 kg**

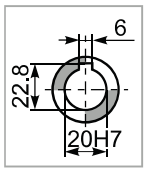
M. flanges	Kit code	øF	A
63B5	K063.4.041	140	184
71B5	K063.4.042	160	182
80/90B5	K063.4.043	200	184
71B14	K063.4.047	105	182
80B14	K063.4.046	120	183
90B14	K063.4.041	140	184



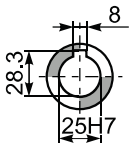




Mounting holes position
Posizione fori di montaggio

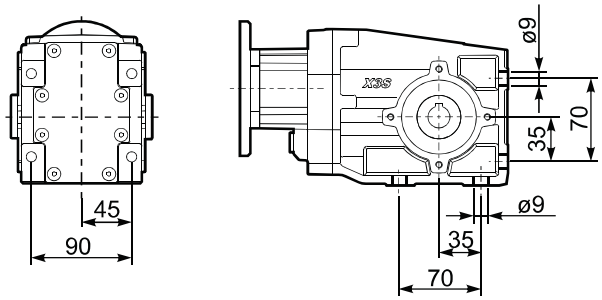


Standard
Hollow shaft

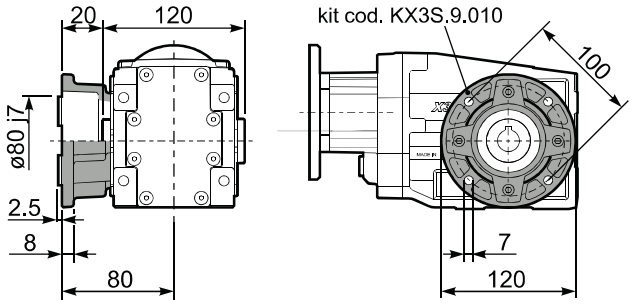


On request
A richiesta

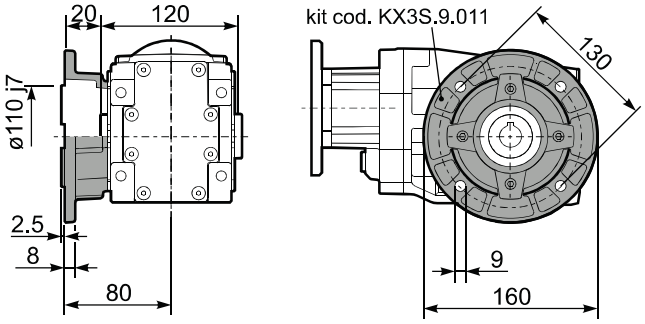
PX32S..-N.. Feet
Piedini



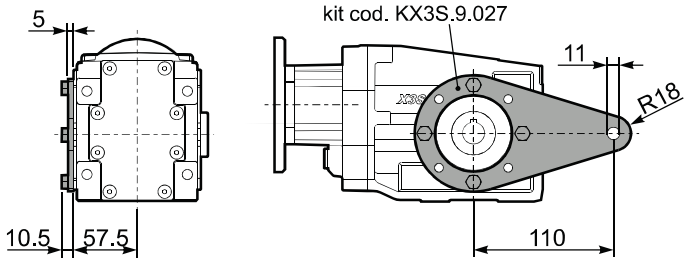
PX32S-F1.. Output flange
Flangia uscita



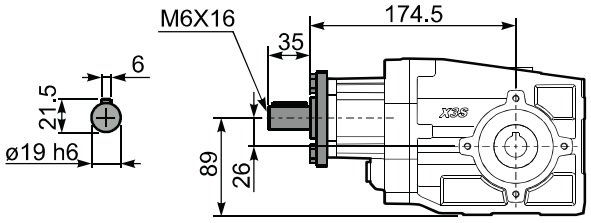
PX32S-F2.. Output flange
Flangia uscita



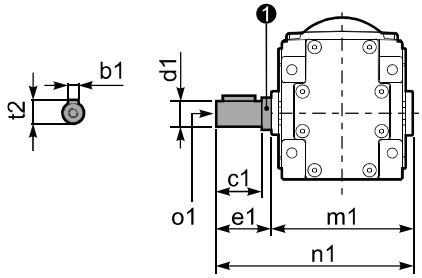
PX32SBR.. Reaction Arm
Braccio di reazione



RX32S... Input shaft
Albero in entrata



PX32S..A.. Single output shaft
Albero semplice in uscita



d1	b1	c1	e1	m1	n1	t2	o1	❶ kit code
ø20 $^{-0.005}_{-0.020}$	6	37.5	40	120	140	22.5	M8x20	KX2S.5.028
ø25 $^{-0.005}_{-0.020}$	8	60	63.2	126.8	190	28	M8x20	K063.5.028

X33S Angletech Gear 100Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.94** for all ratios

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 B	Available B5 motor flanges C	Available B14 motor flanges O	Available B14 motor flanges P	Available B14 motor flanges Q		Output Shaft ø	Ratios code
							63	71	56	63	71			
38.7	**36.17**	0.37	86	1.2	0.43	100			C	C		17179		01
31.7	**44.21**	0.37	105	1.0	0.35	100			C	C		19139		02
27.6	**50.68**	0.25	81	1.2	0.31	100			C	C		17139		03
25.3	**55.36**	0.25	89	1.1	0.28	100			C	C		17177		04
23.2	**60.31**	0.25	96	1.0	0.26	100			C	C		15139		05
21.2	**65.88**	0.25	105	0.9	0.24	100			C	C		15177		06
19.4	**72.25**	0.18	88	1.1	0.22	100			C	C		10179	**standard**	07
17.6	**79.64**	0.18	97	1.0	0.20	100			C	C		13177	**ø20**	08
15.2	**92.31**	0.18	113	0.9	0.17	100			C	C		15137		09
14.6	**95.65**	0.18	117	0.9	0.16	100			C	C		9179		10
13.8	**101.23**	0.12	80	1.2	0.15	100			C	C		10139	ø25	11
11.0	**127.37**	0.12	101	1.0	0.12	100			C	C		7179	On request	12
9.3	**151.16**	0.09	95	1.0	0.10	100			C	C		6179		13
7.8	**178.46**	0.09	113	0.9	0.09	100			C	C		7139		14
6.6	**211.79**	0.06	88	1.1	0.07	100			C	C		6139		15
6.1	**231.37**	0.06	96	1.0	0.07	100			C	C		6177		16
5.1	**273.16**	0.06	113	0.9	0.06	100			C	C		7137		17
4.3	**324.18**	0.06	134	0.7	0.05	100			C	C		6137		18

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

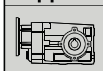
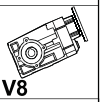
EN Unit **X33S** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X33S** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X33S** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X33S** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X33S** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	**For these mounting position specify in the order or add oil** / Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	**B6**	**B7**	**B8**	**V5**	**V6**	**V8**
0.70 LT	0.65 LT	0.40 LT	0.65 LT	0.95 LT	0.65 LT	0.45 LT
AGIP Telium VSF 320				**SHELL** Omala S4 WE 320		

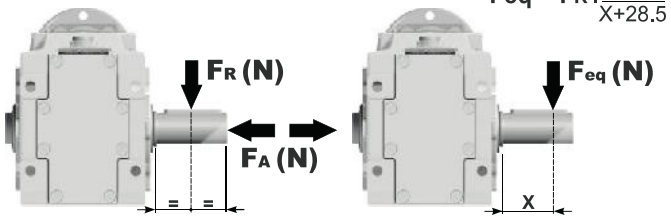
For all details on lubrication and plugs check our website / Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

▪ RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$$Feq = FR \cdot \frac{47.5}{X+28.5}$$



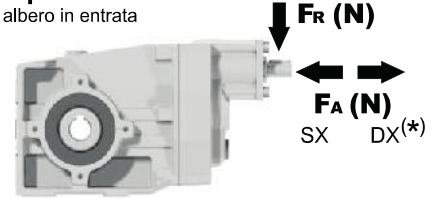
n_2 [min^{-1}]	FA	FR
250	400	2000
150	450	2250
100	500	2500

n_2 [min^{-1}]	FA	FR
75	560	2800
50	560	2800
25	560	2800

n_2 [min^{-1}]	FA	FR
15	560	2800

FR **On request taper roller bearings to increase radial loads.**
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata



n_1 [min^{-1}]	FA	FR
1400	140	700
900	160	800
600	190	950

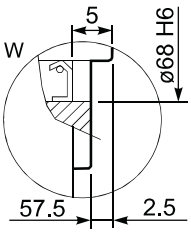
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

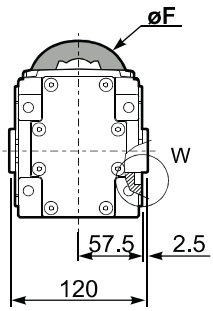
tab. 2

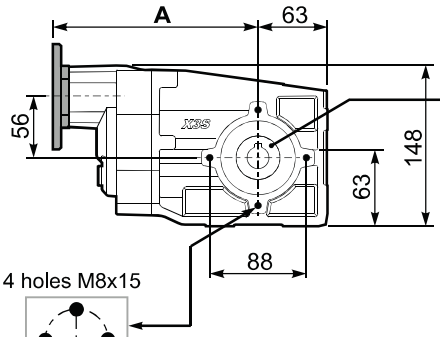
PX33SC... Basic Gearbox
Riduttore base

Gearbox weight / peso riduttore: **6.55 kg**

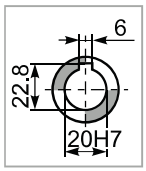
M. flanges	Kit code	øF	A
63B5	K050.4.041	138	187.5
71B5	K050.4.042	160	185.5
56B14	KC40.4.049	80	187
63B14	K050.4.047	90	189.5
71B14	K050.4.045	105	187



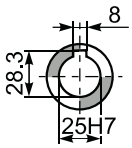




Mounting holes position
Posizione fori di montaggio

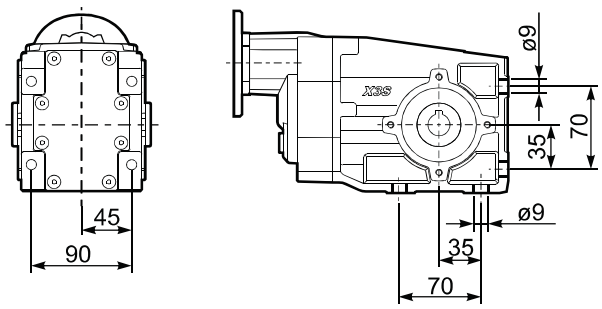


Standard
Hollow shaft

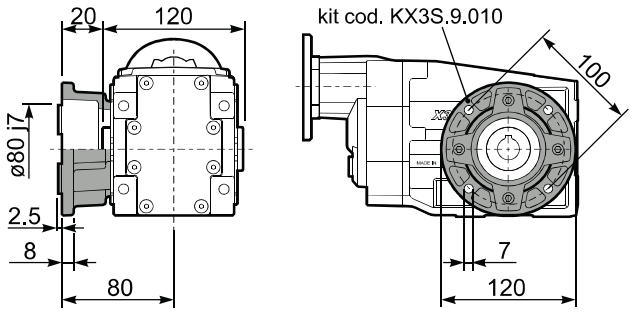


On request
A richiesta

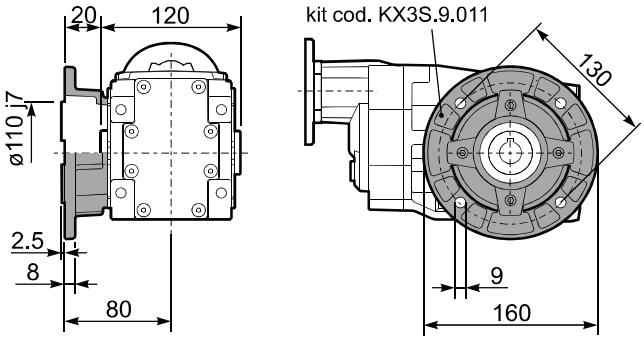
PX33S-N.. Feet
Piedini



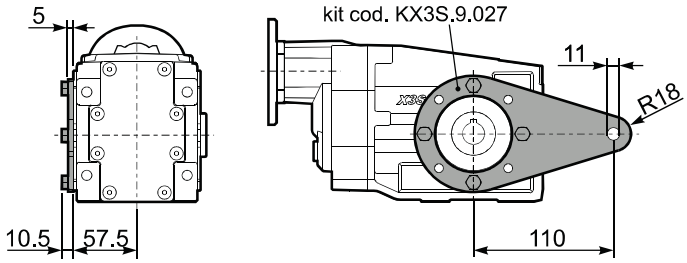
PX33S-F1.. Output flange
Flangia uscita



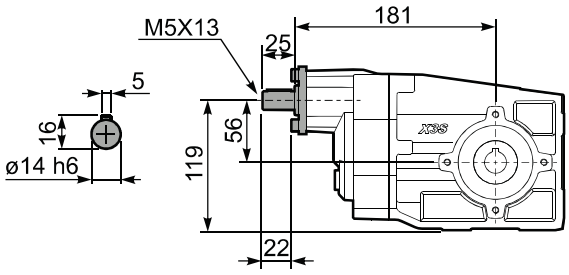
PX33S-F2.. Output flange
Flangia uscita



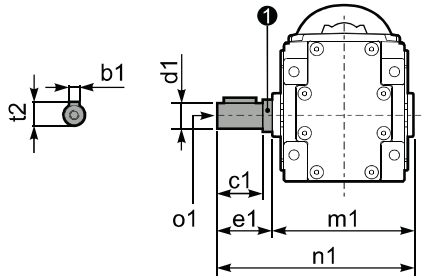
PX33SBR.. Reaction Arm
Braccio di reazione



RX33S... Input shaft
Albero in entrata



PX33S..A.. Single output shaft
Albero semplice in uscita



d1	b1	c1	e1	m1	n1	t2	o1	❶ kit code
ø20 $^{-0,005}_{-0,020}$	6	37.5	40	120	140	22.5	M8x20	KX2S.5.028
ø25 $^{-0,005}_{-0,020}$	8	60	63.2	126.8	190	28	M8x20	K063.5.028

X42A Angletech Gear 150Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

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 B	C	D	E	F	Available B14 motor flanges Q	R	T	U		Output Shaft	Ratios code
							63	71	80	90	100 112	71	80	90	100 112			
192	**7.29**	2.2	104	0.9	2.0	95	B					C	C			2811		01
125	**11.20**	2.2	159	0.9	2.0	150	B					C	C			288		02
106	**13.18**	1.5	129	1.2	1.7	150	B					C	C			1911		03
92	**15.27**	1.1	109	1.4	1.5	150	B					C	C			1711		04
78	**17.93**	1.1	128	1.2	1.3	150	B					C	C			1511		05
69	**20.25**	1.1	145	1.0	1.1	150	B					C	C			198	**standard ø25**	06
65	**21.40**	1.1	153	1.0	1.1	150	B					C	C			1311		07
60	**23.47**	0.75	115	1.3	0.98	150	B					C	C			178		08
51	**27.55**	0.75	135	1.1	0.83	150	B					C	C			158		09
47.9	**29.21**	0.75	143	1.0	0.78	150	B					C	C			1011	ø30 On request	10
42.6	**32.88**	0.75	161	0.9	0.70	150	B					C	C			138		11
36.7	**38.12**	0.55	138	1.1	0.60	150	B					C	C			911		12
31.2	**44.89**	0.55	163	0.9	0.51	150	B					C	C			108		13
27.8	**50.34**	0.37	122	1.1	0.40	131	B					C	C			711		14
23.9	**58.58**	0.37	142	1.1	0.39	150	B					C	C			98		15
18.1	**77.36**	0.25	126	1.2	0.30	150	B					C	C			78		16

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

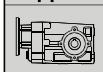
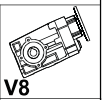
EN Unit **X42A** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X42A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X42A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X42A** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X42A** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

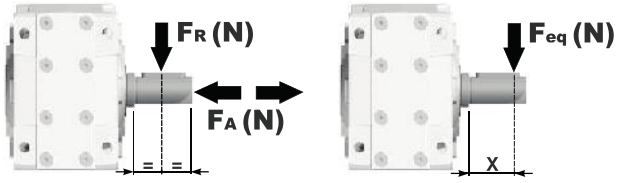
Standard supplied	**For these mounting position specify in the order or add oil** Per queste posizioni specificare in fase d'ordine o aggiungere olio					
 B3	 B6	 B7	 B8	 V5	 V6	 V8
0.60 LT	0.75 LT	0.50 LT	0.70 LT	1.10 LT	0.60 LT	0.50 LT
AGIP Telium VSF 320			**SHELL** Omala S4 WE 320			

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

$$Feq = F_R \cdot \frac{54}{X+28}$$



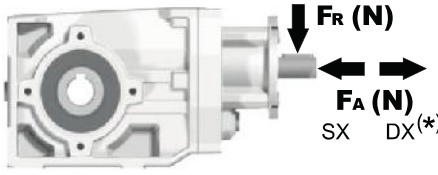
n_2 [min^{-1}]	FA	FR
250	500	2500
150	600	3000
100	700	3500

n_2 [min^{-1}]	FA	FR
75	800	4000
50	960	4800
25	960	4800

n_2 [min^{-1}]	FA	FR
15	960	4800

FR **On request taper roller bearings to increase radial loads.**
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata



n_1 [min^{-1}]	FA	FR
1400	240	1200
900	280	1400
600	340	1700

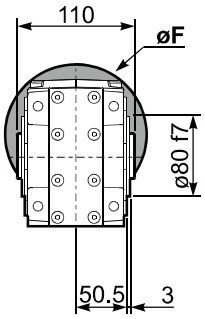
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

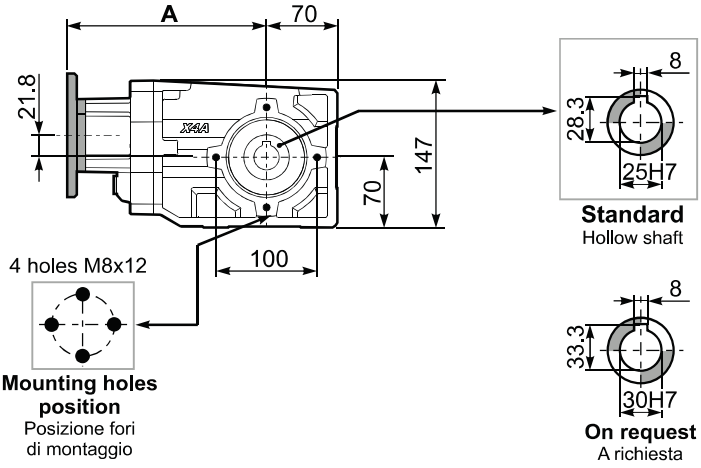
tab. 2

PX42AC... Basic Gearbox
Riduttore base

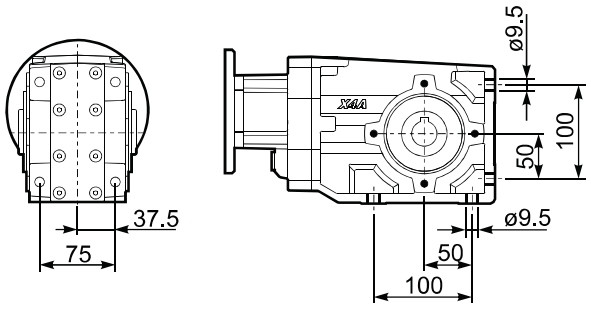
Gearbox weight peso riduttore	7.82 kg

M. flanges	Kit code	øF	A
63B5	K063.4.041	140	199.5
71B5	K063.4.042	160	197.5
80/90B5	K063.4.043	200	199.5
100/112B5	KC40.4.043	250	235
71B14	K063.4.047	105	197.5
80B14	K063.4.046	120	198.5
90B14	K063.4.041	140	199.5
100/112B14	KC40.4.041	160	215

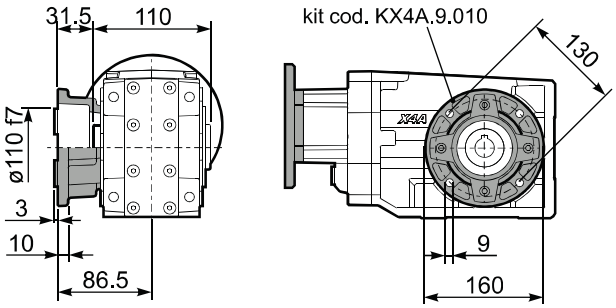




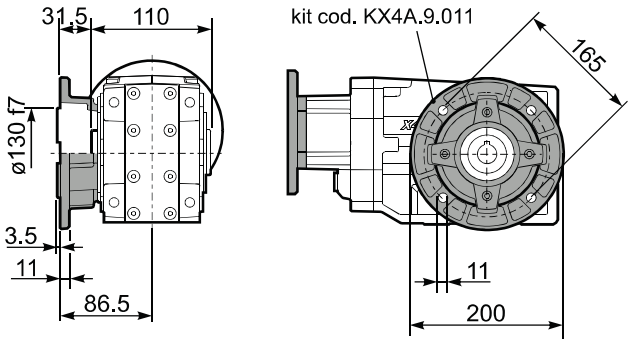
PX42A-N.. Feet
Piedini



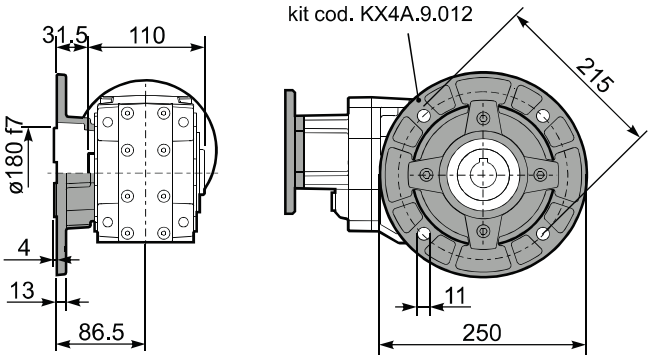
PX42A-F2.. Output flange
Flangia uscita



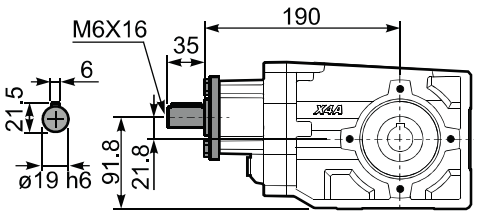
PX42A-F3.. Output flange
Flangia uscita



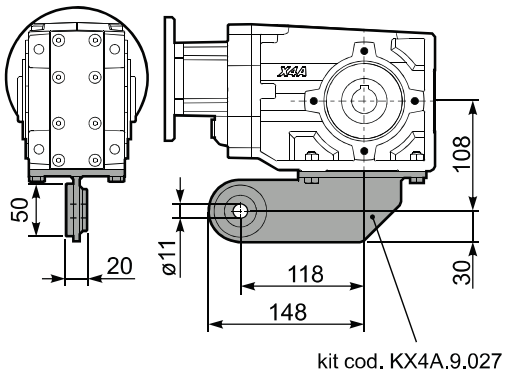
PX42A-F4.. Output flange
Flangia uscita



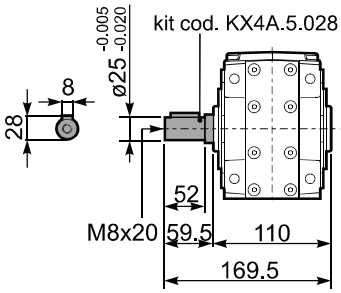
RX42A... Input shaft
Albero in entrata



PX42ABR.. Reaction Arm
Braccio di reazione



PX42A..A.. Single output shaft
Albero semplice in uscita



X43A Angletech Gear 160Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.94** for all ratios

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 B	Available B5 motor flanges C	Available B14 motor flanges O	Available B14 motor flanges P	Available B14 motor flanges Q		Output Shaft ø	Ratios code
							63	71	56	63	71			
27.8	**50.35**	0.37	119	1.3	0.46	150			C	C		171311		01
25.4	**55.22**	0.37	131	1.1	0.42	150			C	C		17178		02
23.4	**59.92**	0.37	142	1.1	0.39	150			C	C		151311		03
21.3	**65.72**	0.37	156	1.0	0.36	150			C	C		15178		04
19.5	**71.78**	0.25	115	1.3	0.33	150			C	C		101711		05
17.6	**79.44**	0.25	127	1.2	0.29	150			C	C		13178	**standard ø25**	06
15.2	**92.08**	0.25	147	1.0	0.25	150			C	C		15138		07
14.7	**95.03**	0.25	152	1.0	0.25	150			C	C		91711		08
11.1	**126.55**	0.18	155	1.0	0.20	160			C	C		71711		09
10.5	**133.15**	0.18	163	1.0	0.19	160			C	C		91311	ø30 On request	10
9.3	**150.18**	0.12	119	1.3	0.17	160			C	C		61711		11
7.9	**177.30**	0.12	140	1.1	0.14	160			C	C		71311		12
6.7	**210.42**	0.09	133	1.2	0.12	160			C	C		61311		13
6.1	**230.79**	0.09	146	1.1	0.11	160			C	C		6178		14
5.1	**272.47**	0.06	113	1.4	0.09	160			C	C		7138		15
4.3	**323.37**	0.06	134	1.2	0.08	160			C	C		6138		16

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

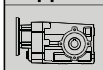
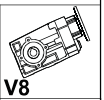
EN Unit **X43A** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X43A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X43A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X43A** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X43A** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	**For these mounting position specify in the order or add oil** Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	**B6**	**B7**	**B8**	**V5**	**V6**	**V8**
0.80 LT	0.80 LT	0.60 LT	0.80 LT	1.20 LT	0.70 LT	0.70 LT
AGIP Telium VSF 320				**SHELL** Omala S4 WE 320		

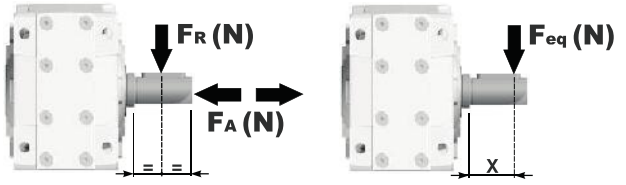
For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

▪ RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$Feq = F_R \cdot \frac{54}{X+28}$$



n_2 [min^{-1}]	FA	FR
250	500	2500
150	600	3000
100	700	3500

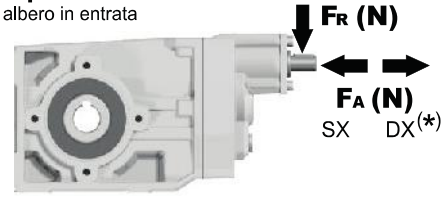
n_2 [min^{-1}]	FA	FR
75	800	4000
50	960	4800
25	960	4800

n_2 [min^{-1}]	FA	FR
15	960	4800

FR **On request taper roller bearings to increase radial loads.**
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft

albero in entrata



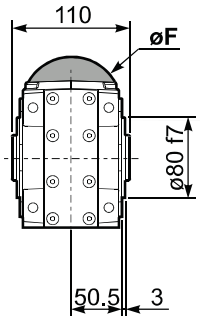
n_1 [min^{-1}]	FA [N]	FR [N]
1400	140	700
900	160	800
600	190	950

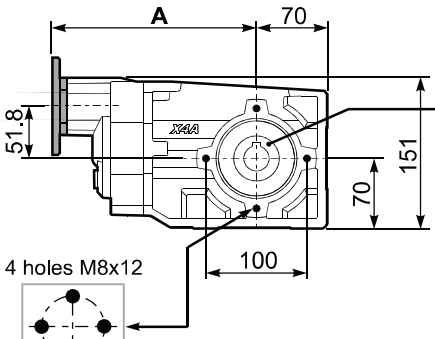
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

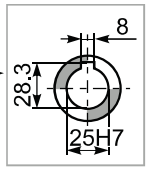
PX43AC... Basic Gearbox
Riduttore base

Gearbox weight peso riduttore **7.93 kg**

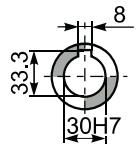
M. flanges	Kit code	øF	A
63B5	K050.4.041	138	203
71B5	K050.4.042	160	201
56B14	KC40.4.049	80	202.5
63B14	K050.4.047	90	205
71B14	K050.4.045	105	202.5







Standard
Hollow shaft

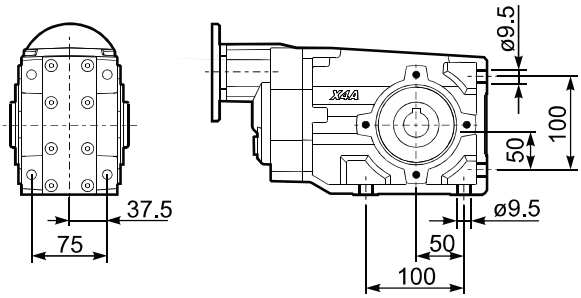


On request
A richiesta

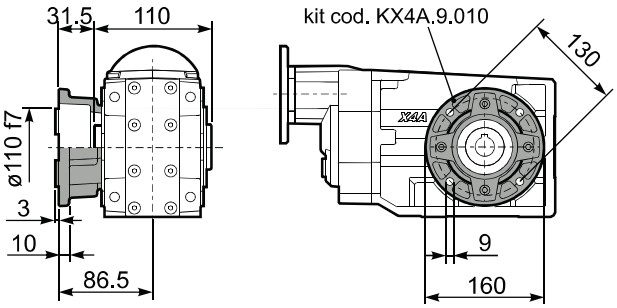
4 holes M8x12

Mounting holes position
Posizione fori di montaggio

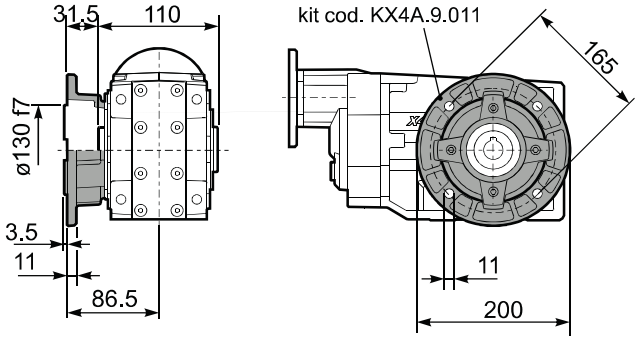
PX43A-N.. Feet
Piedini



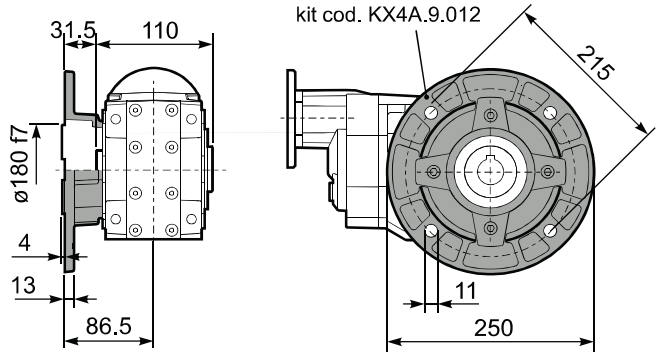
PX43A-F2.. Output flange
Flangia uscita



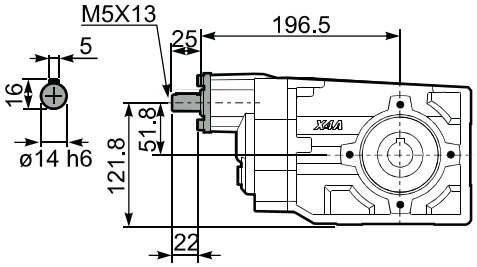
PX43A-F3.. Output flange
Flangia uscita



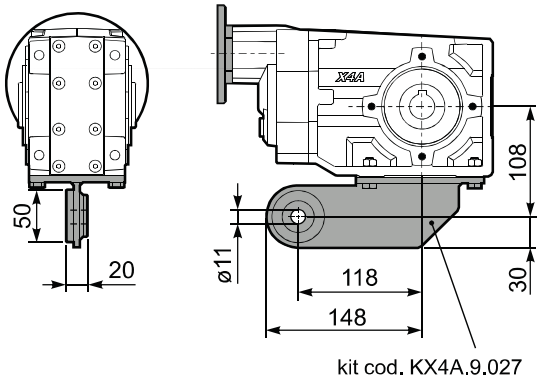
PX43A-F4.. Output flange
Flangia uscita



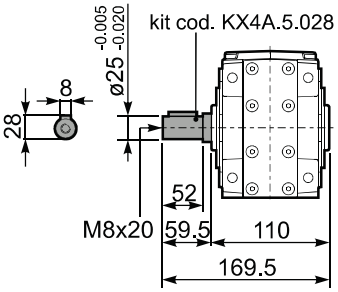
RX43A... Input shaft
Albero in entrata



PX43ABR.. Reaction Arm
Braccio di reazione



PX43A..A.. Single output shaft
Albero semplice in uscita



X52A Angletech Gear 250Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

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		Output Shaft ø	Ratios code
232	**6.03**	3	116	1.2	3.4	135	B							3011		01
151	**9.26**	3	179	0.9	2.6	155	B							308		02
123	**11.36**	3	219	1.0	3.1	230	B							2011		03
91	**15.36**	2.2	218	1.1	2.5	250	B							1611		04
80	**17.46**	2.2	248	1.0	2.2	250	B							208	**standard**	05
70	**19.97**	2.2	284	0.9	1.9	250	B							1311	**ø30**	06
59	**23.60**	1.5	231	1.1	1.6	250	B							168		07
57	**24.45**	1.5	239	1.0	1.6	250	B							1111		08
45.6	**30.69**	1.1	220	1.1	1.2	250	B							138	ø35	09
39.6	**35.35**	1.1	253	1.0	1.1	250	B							811	On request	10
37.3	**37.57**	1.1	269	0.9	1.0	250	B							118		11
28.8	**48.68**	0.75	239	1.0	0.78	250	B							611		12
25.8	**54.33**	0.75	267	0.9	0.70	250	B							88		13
18.7	**74.81**	0.37	181	1.2	0.43	210	B							68		14

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

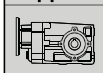
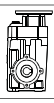
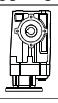
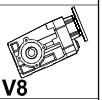
EN Unit **X52A** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X52A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X52A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X52A** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X52A** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

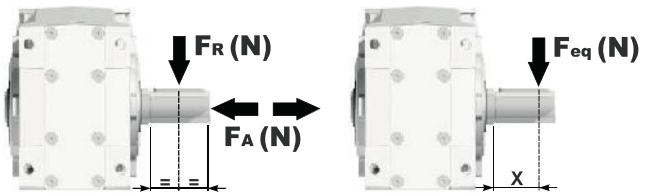
Standard supplied	**For these mounting position specify in the order or add oil** Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	**B6**	**B7**	**B8**	**V5**	**V6**	**V8**
0.90 LT	1.50LT	0.75 LT	1.40 LT	1.95 LT	1.15 LT	0.80 LT
AGIP Telium VSF 320			**SHELL** Omala S4 WE 320			

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

$$Feq = F_R \cdot \frac{61.5}{X+31}$$



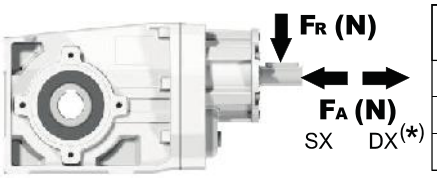
n_2 [min^{-1}]	FA	FR
250	600	3000
150	700	3500
100	800	4000

n_2 [min^{-1}]	FA	FR
75	820	4100
50	960	4800
25	1350	6750

n_2 [min^{-1}]	FA	FR
15	1660	8300

FR **On request taper roller bearings to increase radial loads.**
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata



n_1 [min^{-1}]	FA	FR
1400	400	2000
900	440	2200
600	440	2200

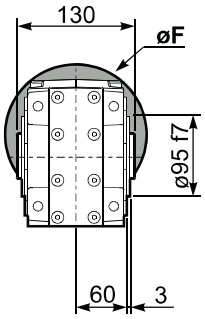
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

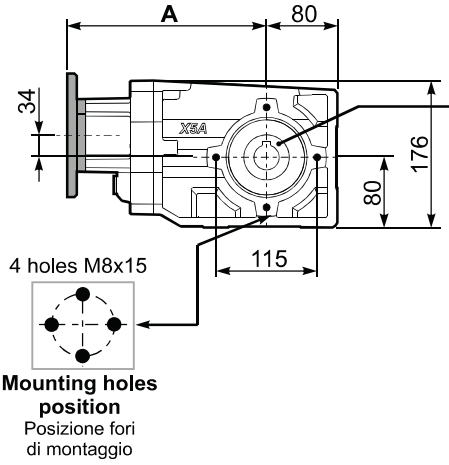
tab. 2

PX52AC... Basic Gearbox
Riduttore base

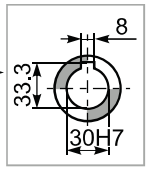
Gearbox weight peso riduttore **12.80 kg**

M. flanges	Kit code	øF	A
71B5	KC023.4.041	160	234
80/90B5	KC023.4.042	200	236
100/112B5	KC023.4.043	250	242
80B14	KC085.4.046	120	234
90B14	KC085.4.045	140	234
100/112B14	KC085.4.047	160	245

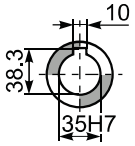




Mounting holes position
Posizione fori di montaggio

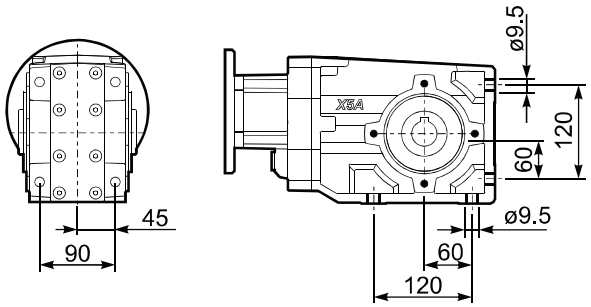


Standard
Hollow shaft

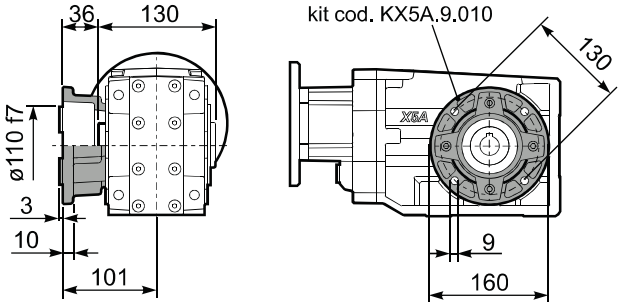


On request
A richiesta

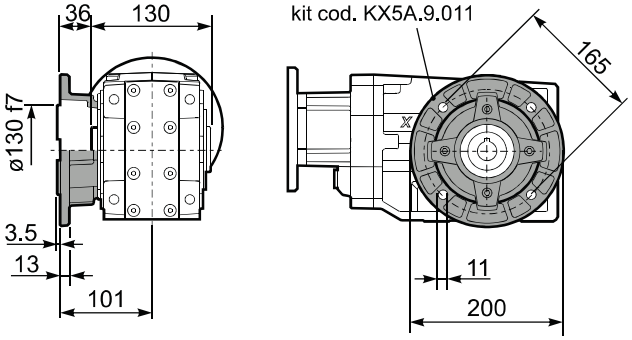
PX52A-N.. Feet
Piedini



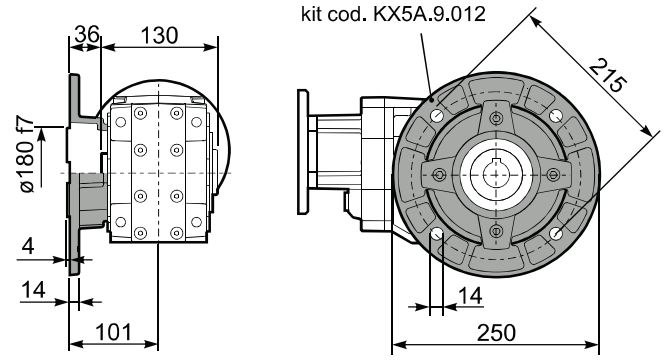
PX52A-F2.. Output flange
Flangia uscita



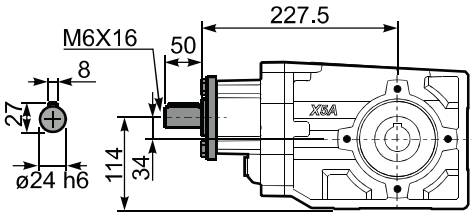
PX52A-F3.. Output flange
Flangia uscita



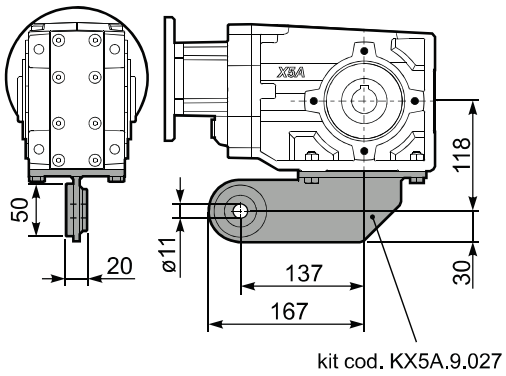
PX52A-F4.. Output flange
Flangia uscita



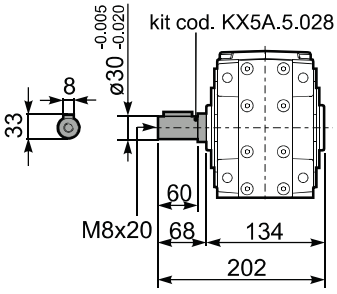
RX52A... Input shaft
Albero in entrata



PX52ABR.. Reaction Arm
Braccio di reazione



PX52A..A.. Single output shaft
Albero semplice in uscita



X53A Angletech Gear 250Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.94** for all ratios

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 B 63	C 71	D 80	E 90	Available B14 motor flanges Q 71	R 80	T 90		Output Shaft ø	Ratios code
24.7	**56.76**	0.55	201	1.2	0.69	250	B				C	C		191311		01
21.3	**65.79**	0.55	233	1.1	0.59	250	B				C	C		171311		02
18.1	**77.23**	0.55	274	0.9	0.50	250	B				C	C		151311		03
16.0	**87.23**	0.37	207	1.2	0.45	250	B				C	C		19138		04
15.2	**92.18**	0.37	219	1.1	0.42	250	B				C	C		131311		05
13.9	**100.47**	0.37	238	1.0	0.39	250	B				C	C		19811		06
12.0	**116.45**	0.37	276	0.9	0.33	250	B				C	C		17811	**standard**	07
11.1	**125.82**	0.25	201	1.2	0.31	250	B				C	C		101311	**ø30**	08
9.9	**141.66**	0.25	227	1.1	0.28	250	B				C	C		13138		09
8.6	**163.16**	0.25	261	1.0	0.24	250	B				C	C		13811		10
7.8	**178.96**	0.18	219	1.1	0.22	250	B				C	C		1788	ø35	11
7.2	**193.36**	0.18	237	1.1	0.20	250	B				C	C		10138	On request	12
6.5	**216.84**	0.18	265	0.9	0.18	250	B				C	C		71311		13
5.5	**252.36**	0.12	200	1.3	0.15	250	B				C	C		9138		14
4.8	**290.67**	0.12	230	1.1	0.13	250	B				C	C		9811		15
4.2	**333.23**	0.09	210	1.2	0.12	250	B				C	C		7138		16
3.6	**383.82**	0.09	242	1.0	0.10	250	B				C	C		7811		17
3.1	**446.70**	0.09	282	0.9	0.09	250	B				C	C		988		18
2.4	**589.85**	0.06	244	1.0	0.07	250	B				C	C		788		19

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

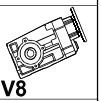
EN Unit **X53A** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X53A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X53A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X53A** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X53A** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

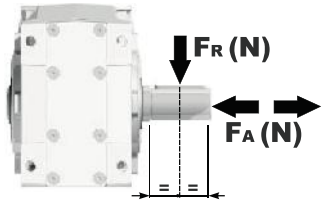
Standard supplied	**For these mounting position specify in the order or add oil** Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	**B6**	**B7**	**B8**	**V5**	**V6**	**V8**
1.30 LT	1.55 LT	0.85 LT	1.45 LT	2.10 LT	1.25 LT	0.95 LT
AGIP Telium VSF 320				**SHELL** Omala S4 WE 320		

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

$$Feq = F_R \cdot \frac{61.5}{X+31}$$



n_2 [min^{-1}]	FA	FR
250	600	3000
150	700	3500
100	800	4000

n_2 [min^{-1}]	FA	FR
75	820	4100
50	960	4800
25	1350	6750

n_2 [min^{-1}]	FA	FR
15	1660	8300

FR **On request taper roller bearings to increase radial loads.**
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n_1 [min^{-1}]	FA [N]	FR [N]
1400	400	2000
900	440	2200
600	440	2200

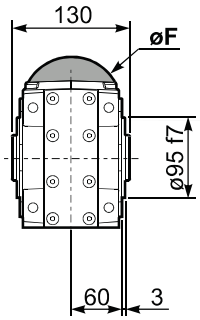
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

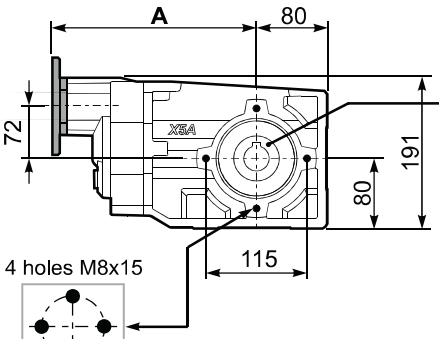
tab. 2

PX53AC... Basic Gearbox
Riduttore base

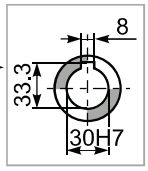
Gearbox weight peso riduttore **12.65 kg**

M. flanges	Kit code	øF	A
63B5	K063.4.041	140	246
71B5	K063.4.042	160	244
80/90B5	K063.4.043	200	246
71B14	K063.4.047	105	244
80B14	K063.4.046	120	245
90B14	K063.4.041	140	246

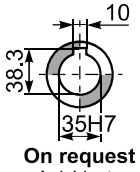




Mounting holes position
Posizione fori di montaggio

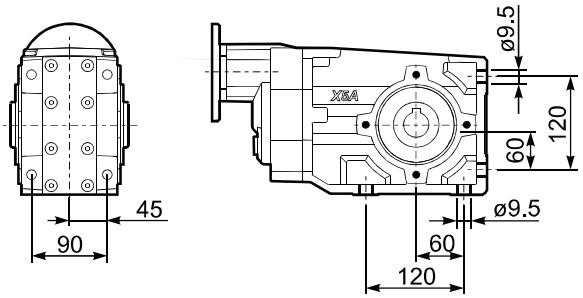


Standard
Hollow shaft

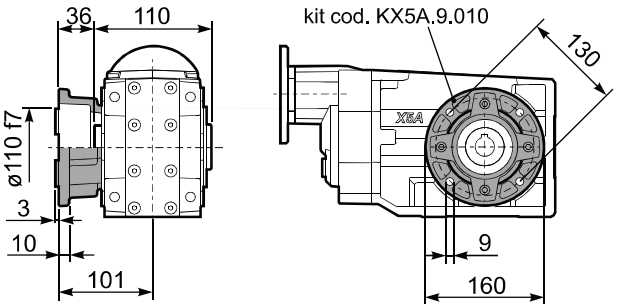


On request
A richiesta

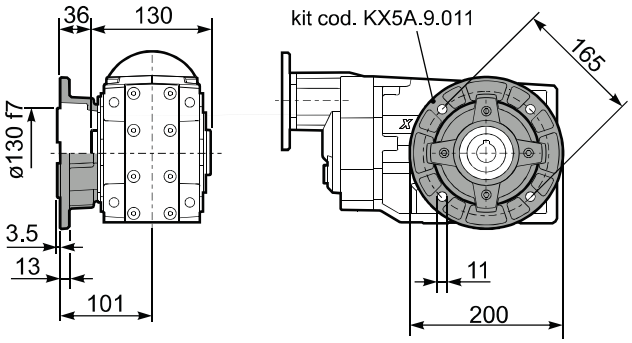
PX53A-N.. Feet
Piedini



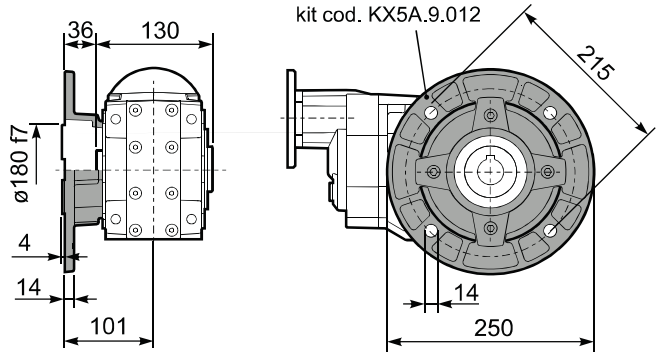
PX53A-F2.. Output flange
Flangia uscita



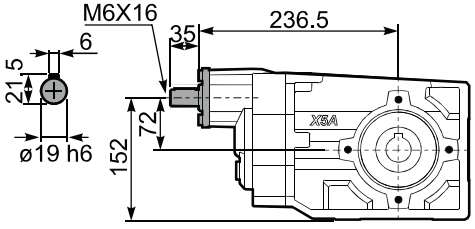
PX53A-F3.. Output flange
Flangia uscita



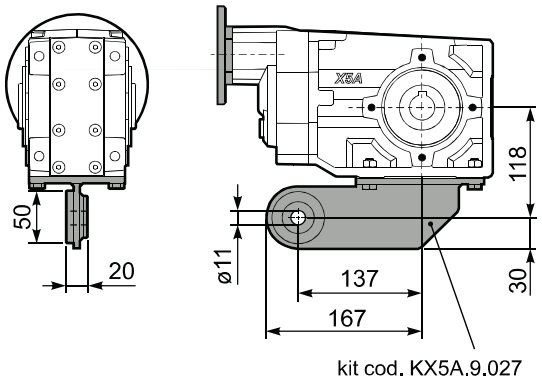
PX53A-F4.. Output flange
Flangia uscita



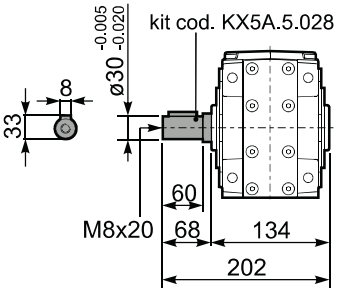
RX53A... Input shaft
Albero in entrata



PX53ABR.. Reaction Arm
Braccio di reazione



PX53A..A.. Single output shaft
Albero semplice in uscita



X62A Angletech Gear 410Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

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	G 132	Available B14 motor flanges R 80	T 90	U 100 112	V 132		Output Shaft ø	Ratios code
232	**6.03**	5.5	211	1.1	6.1	240	B									3011		01
151	**9.26**	4	238	1.1	4.5	270	B									308		02
123	**11.36**	4	291	1.2	4.7	350	B									2011		03
91	**15.36**	4	394	1.0	3.8	385	B									1611		04
80	**17.46**	4	448	0.9	3.5	400	B									208	**standard**	05
70	**19.97**	3	386	1.1	3.1	410	B									1311	**ø35**	06
59	**23.60**	3	456	0.9	2.7	410	B									168		07
57	**24.45**	3	472	0.9	2.6	410	B									1111		08
45.6	**30.69**	2.2	436	0.9	2.0	410	B									138	ø40	09
39.6	**35.35**	1.5	346	1.2	1.8	410	B									811	On request	10
37.3	**37.57**	1.5	368	1.1	1.7	410	B									118		11
28.8	**48.68**	1.1	348	1.0	1.1	365	B									611		12
25.8	**54.33**	1.1	389	1.1	1.2	410	B									88		13
18.7	**74.81**	0.75	367	1.0	0.73	360	B									68		14

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

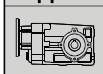
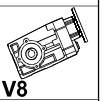
EN Unit **X62A** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X62A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X62A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X62A** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X62A** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

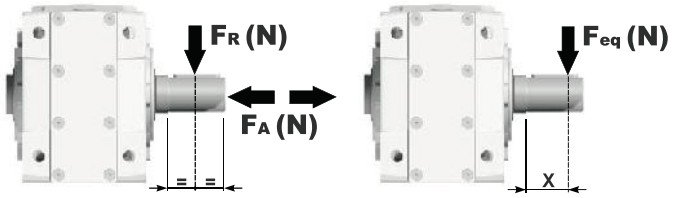
Standard supplied	**For these mounting position specify in the order or add oil** Per queste posizioni specificare in fase d'ordine o aggiungere olio					
 **B3**	 **B6**	 **B7**	 **B8**	 **V5**	 **V6**	 **V8**
1.25 LT	1.70 LT	0.95 LT	1.60 LT	2.45 LT	1.50 LT	1.10 LT
AGIP Telium VSF 320			**SHELL** Omala S4 WE 320			

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

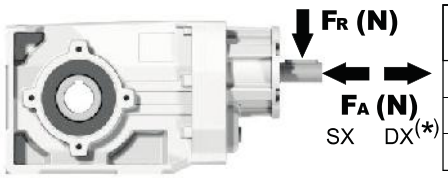
$$Feq = F_R \cdot \frac{69}{X+39}$$



n_2 [min^{-1}]	FA	FR	n_2 [min^{-1}]	FA	FR	n_2 [min^{-1}]	FA	FR
250	600	3000	**75**	890	4450	**15**	1660	8300
150	700	3500	**50**	1140	5700			
100	780	3900	**25**	1330	6650			

FR **On request taper roller bearings to increase radial loads.**
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata



n_1 [min^{-1}]	FA	FR
1400	450	2250
900	500	2500
600	600	3000

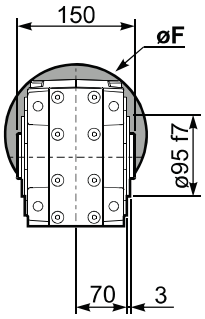
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

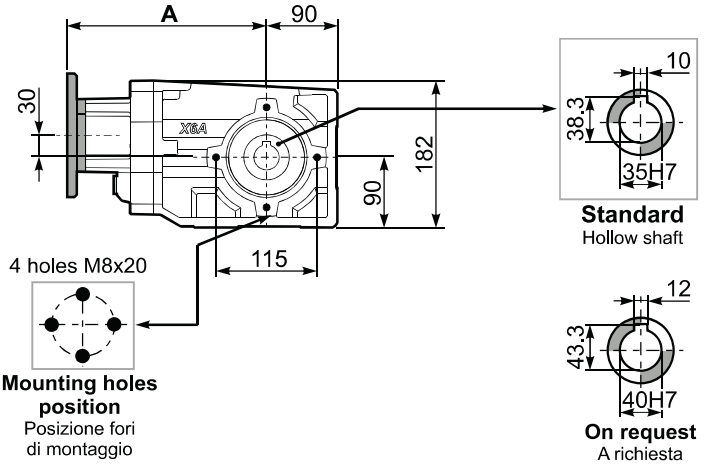
tab. 2

PX62AC... Basic Gearbox
Riduttore base

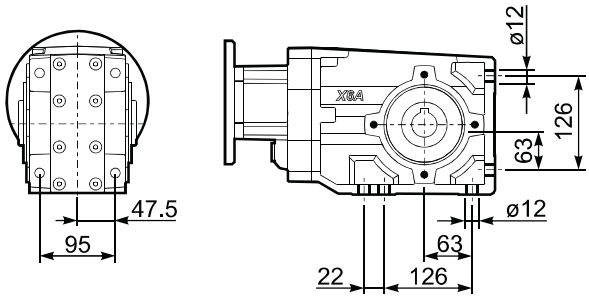
Gearbox weight peso riduttore **15.80 kg**

M. flanges	Kit code	øF	A
71B5	KC023.4.041	160	253
80/90B5	KC023.4.042	200	255
100/112B5	KC023.4.043	250	261
132B5	KC50.4.043	300	282.5
80B14	KC085.4.046	120	253
90B14	KC085.4.045	140	253
100/112B14	KC085.4.047	160	264
132B14	KC50.4.041	200	282.5

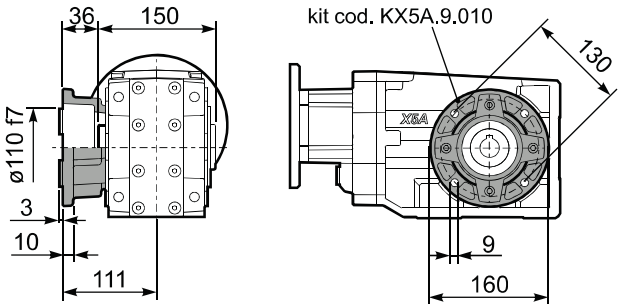




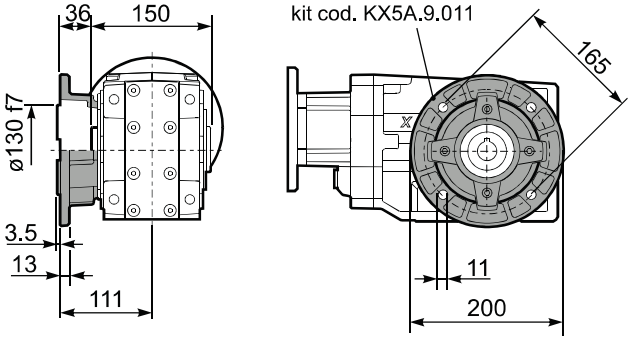
PX62A-N.. Feet
Piedini



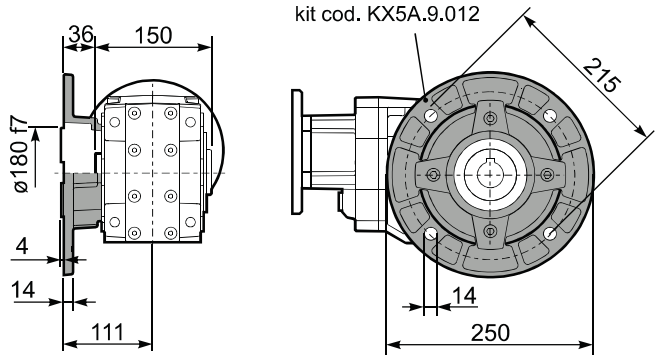
PX62A-F2.. Output flange
Flangia uscita



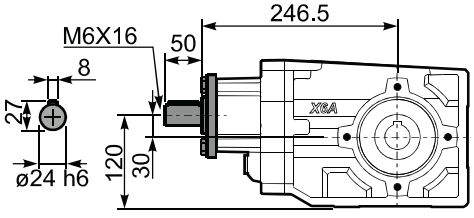
PX62A-F3.. Output flange
Flangia uscita



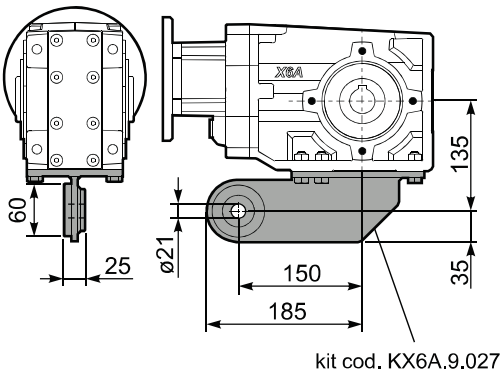
PX62A-F4.. Output flange
Flangia uscita



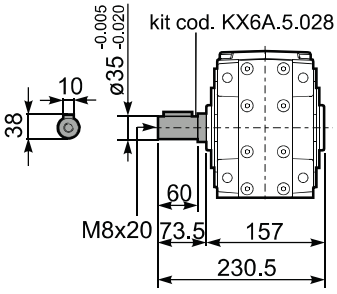
RX62A... Input shaft
Albero in entrata



PX62ABR.. Reaction Arm
Braccio di reazione



PX62A..A.. Single output shaft
Albero semplice in uscita



X63A Angletech Gear 410Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES

▪ QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.94** for all ratios

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 B	C	D	E	Available B14 motor flanges Q	R	T		Output Shaft	Ratios code
							63	71	80	90	71	80	90			
24.7	**56.76**	1.1	398	1.0	1.1	410	B				C	C		191311		01
21.3	**65.79**	0.75	316	1.3	0.97	410	B				C	C		171311		02
18.1	**77.23**	0.75	371	1.1	0.83	410	B				C	C		151311		03
16.0	**87.23**	0.75	420	1.0	0.73	410	B				C	C		19138		04
15.2	**92.18**	0.75	443	0.9	0.69	410	B				C	C		131311		05
13.9	**100.47**	0.55	357	1.2	0.64	410	B				C	C		19811		06
12.0	**116.45**	0.55	413	1.0	0.55	410	B				C	C		17811	**standard ø35**	07
11.1	**125.82**	0.55	446	0.9	0.51	410	B				C	C		101311		08
9.9	**141.66**	0.37	336	1.2	0.45	410	B				C	C		13138		09
8.6	**163.16**	0.37	387	1.1	0.39	410	B				C	C		13811		10
7.8	**178.96**	0.37	424	1.0	0.36	410	B				C	C		1788	ø40 On request	11
7.2	**193.36**	0.37	459	0.9	0.33	410	B				C	C		10138		12
6.5	**216.84**	0.25	347	1.2	0.29	410	B				C	C		71311		13
5.5	**252.36**	0.25	404	1.0	0.25	410	B				C	C		9138		14
4.8	**290.67**	0.25	465	0.9	0.22	410	B				C	C		9811		15
4.2	**333.23**	0.18	408	1.0	0.19	410	B				C	C		7138		16
3.6	**383.82**	0.18	470	0.9	0.17	410	B				C	C		7811		17
3.1	**446.70**	0.12	353	1.2	0.14	410	B				C	C		988		18
2.4	**589.85**	0.09	372	1.1	0.11	410	B				C	C		788		19

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

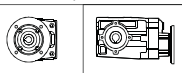
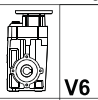
EN Unit **X63A** is supplied with synthetic oil for lifetime lubrification, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X63A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **X63A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **X63A** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **X63A** se suministra, lubricado de por vida con aceite sintético y no requiren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

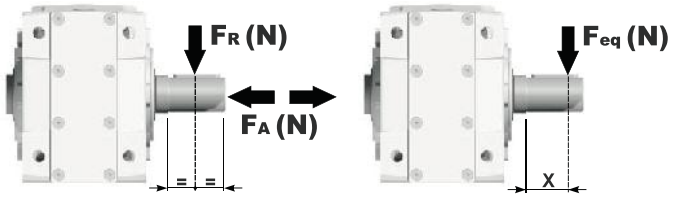
Standard supplied	**For these mounting position specify in the order or add oil** Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	**B6**	**B7**	**B8**	**V5**	**V6**	**V8**
1.80 LT	1.80 LT	1.05 LT	1.70 LT	2.60 LT	1.65 LT	1.30 LT
AGIP Telium VSF 320			**SHELL** Omala S4 WE 320			

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

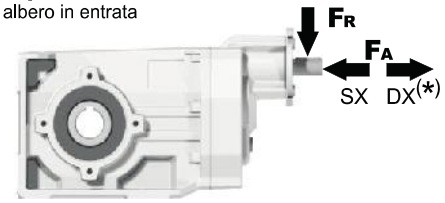
$$Feq = F_R \cdot \frac{69}{X+39}$$



n_2 [min^{-1}]	FA	FR	n_2 [min^{-1}]	FA	FR	n_2 [min^{-1}]	FA	FR
250	600	3000	**75**	890	4450	**15**	1660	8300
150	700	3500	**50**	1140	5700			
100	780	3900	**25**	1330	6650			

F_R On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata



n_1 [min^{-1}]	FA [N]	FR [N]
1400	400	2000
900	440	2200
600	440	2200

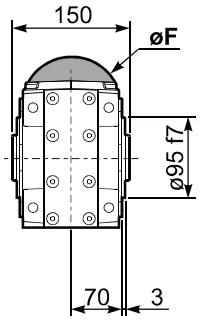
***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

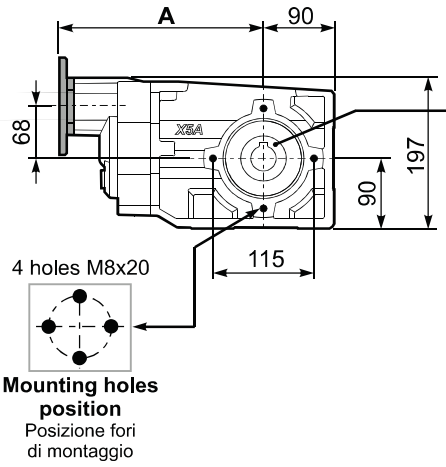
tab. 2

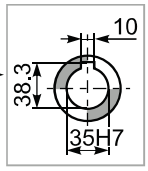
PX63AC... Basic Gearbox
Riduttore base

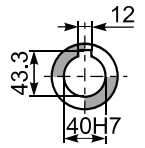
Gearbox weight peso riduttore	15.98 kg

M. flanges	Kit code	øF	A
63B5	K063.4.041	140	265
71B5	K063.4.042	160	263
80/90B5	K063.4.043	200	265
71B14	K063.4.047	105	263
80B14	K063.4.046	120	264
90B14	K063.4.041	140	265

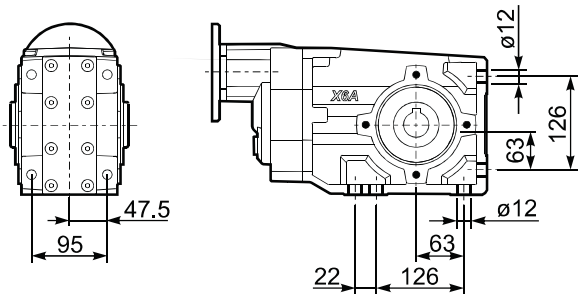




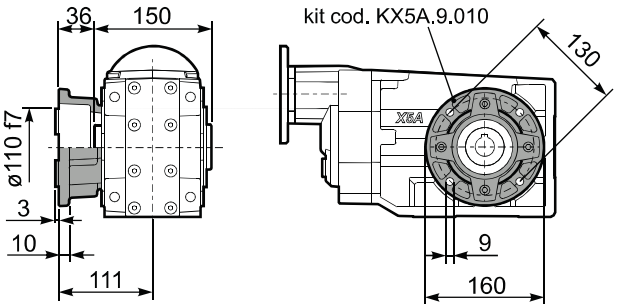




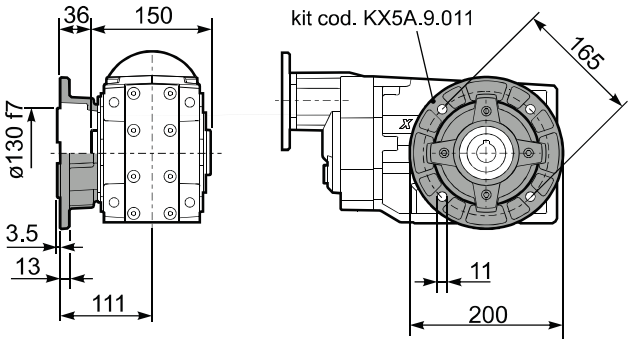
PX63A-N.. Feet
Piedini



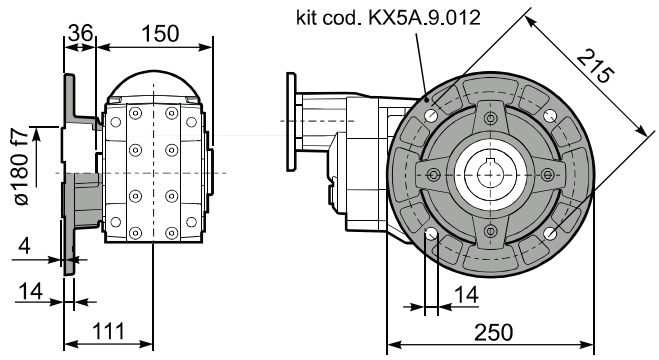
PX63A-F2.. Output flange
Flangia uscita



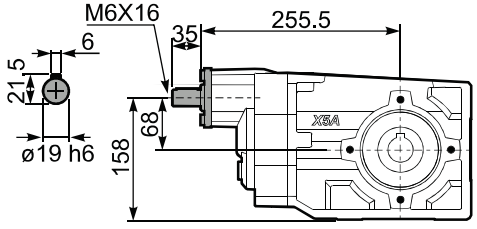
PX63A-F3.. Output flange
Flangia uscita



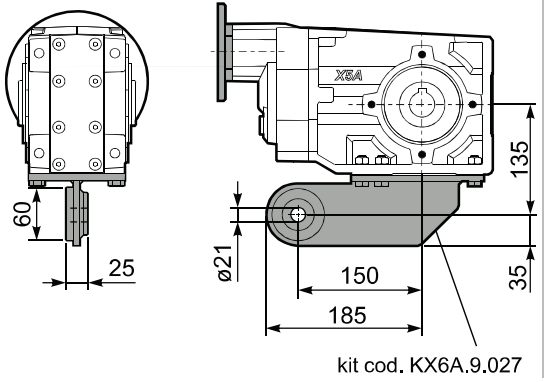
PX63A-F4.. Output flange
Flangia uscita



RX63A... Input shaft
Albero in entrata



PX63ABR.. Reaction Arm
Braccio di reazione



PX63A..A.. Single output shaft
Albero semplice in uscita