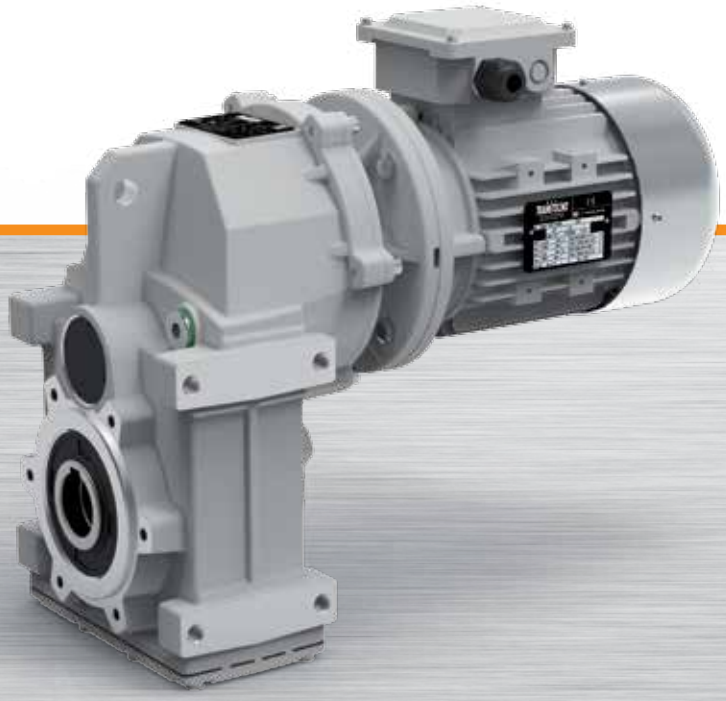
TRANSTECNO®
the modular gearmotor

ATS

ATS Alù

ATS

Motoriduttori pendolari
Helical parallel gearmotors



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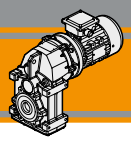

ENERGY SAVING

Questa sezione annulla e sostituisce ogni precedente edizione o revisione. Qualora questa sezione non Vi sia giunta in distribuzione controllata, l'aggiornamento dei dati ivi contenuto non è assicurato. **In tal caso la versione più aggiornata è disponibile sul nostro sito internet www.transtecno.com**

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Caratteristiche tecniche

I motoriduttori pendolari della serie ATS sono caratterizzati da un elevato grado di modularità: partendo da un corpo di base è possibile configurarlo secondo le esigenze con diversi kit in entrata ed in uscita.

Caratteristiche comuni a tutta la serie:

- Carcassa e flangia PAM in pressofusione di alluminio
- Lubrificazione permanente con olio sintetico.
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati.
- Flange di uscita in ghisa.

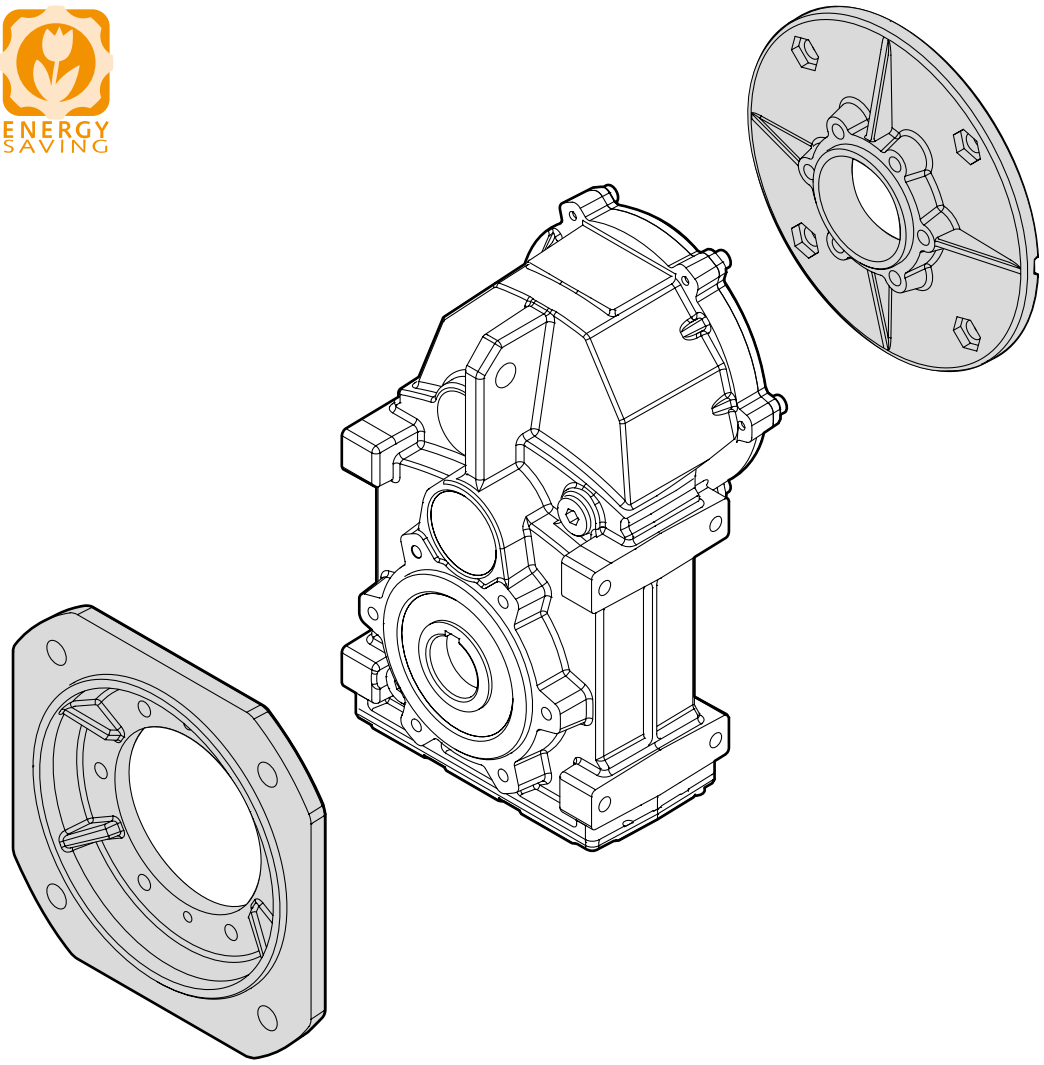
Technical features

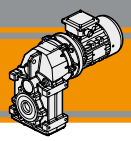
The high degree of modularity is a design feature of ATS helical parallel range. It is possible to set up the version required by using input and output kits.

The main features of ATS range are:

- *Die-cast aluminium housings and input flanges*
- *Permanent synthetic oil long-life lubrication.*
- *Ground-hardened helical gears.*
- *Cast iron output flanges.*

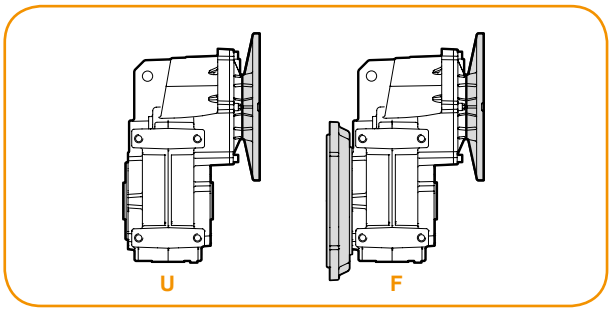
ENERGY SAVING



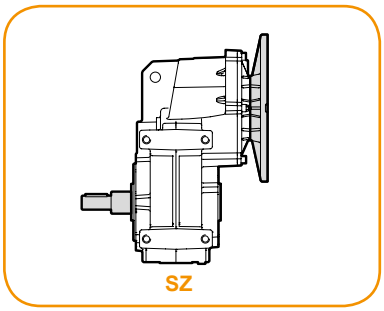


Designazione — *Classification*

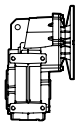
Versione Riduttore
Gearbox Version



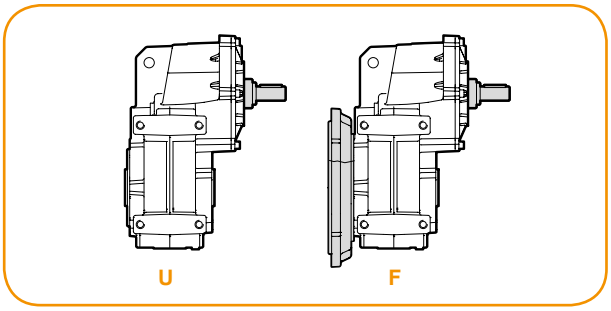
Albero di uscita
Output shaft



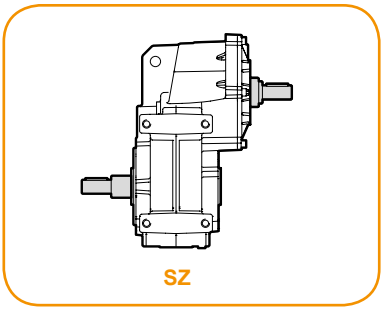
RIDUTTORE / *GEARBOX*

ATS	90	2	U	29.65	D35	90	B5	SZ
Tipo *Type*	Grandezza *Size*	Stadi *Stages*	Versione *Version*	Rapporto *Ratio*	Albero cavo uscita *Hollow output shaft*	IEC	Forma costruttiva *Version*	Albero uscita maschio *Solid output shaft*
ATS 	**90** **91**	**2** **3**	**U...** **F...**	vedi tabelle *see tables*	vedi tabelle *see tables*	**63..** **—** **112..**	**B5** **B14**	**SZ**

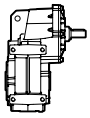
Versione Riduttore
Gearbox Version



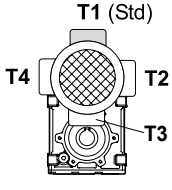
Albero di uscita
Output shaft



RIDUTTORE / *GEARBOX*

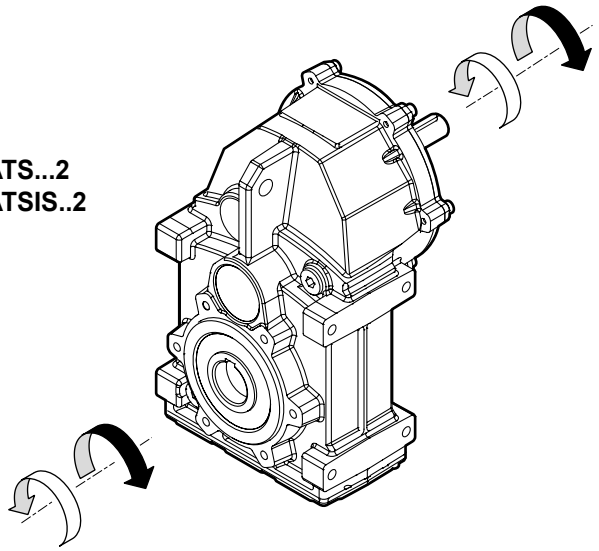
ATSIS	90	2	U	29.65	D35	SZ
Tipo *Type*	Grandezza *Size*	Stadi *Stages*	Versione *Version*	Rapporto *Ratio*	Albero cavo uscita *Hollow output shaft*	Albero uscita maschio *Solid output shaft*
ATSIS 	**90** **91**	**2** **3**	**U...** **F...**	vedi tabelle *see tables*	vedi tabelle *see tables*	**SZ**

MOTORE / *MOTOR*

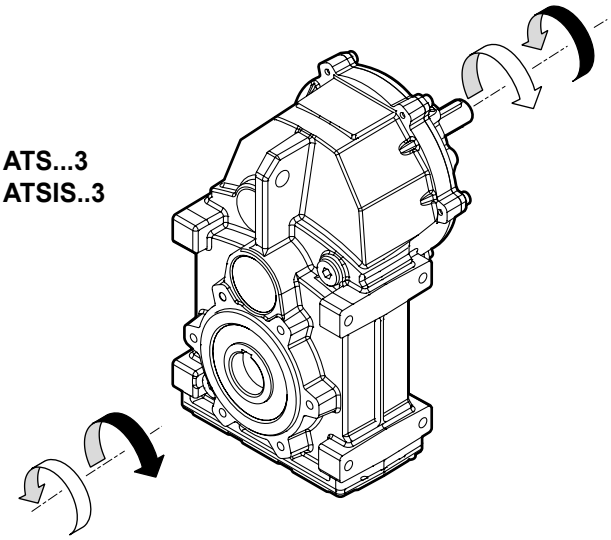
0.75kW	4p	3ph	230/400V	50Hz	T1
Potenza *Power*	Poli *Poles*	Fasi *Phases*	Tensione *Voltage*	Frequenza *Frequency*	Pos. morsettiera *Terminal box pos.*
vedi tabelle *see tables*	**2p** **4p** **6p** **8p**	**1ph** **3ph**	**230V** **230/400V**	**50Hz** **60Hz**	**T1** (Std) 

Sensi di rotazione — *Direction of rotation*

ATS...2
ATSIS..2



ATS...3
ATSIS..3



Simbologia — *Symbols*

n_1	[min^{-1}]	Velocità in ingresso / *Input speed*
n_2	[min^{-1}]	Velocità in uscita / *Output speed*
i		Rapporto di riduzione / *Ratio*
P_1	[kW]	Potenza in entrata / *Input power*
M_2	[Nm]	Coppia nominale in uscita in funzione di P_1 / *Output torque referred to* P_1
Pn_1	[kW]	Potenza nominale in entrata / *Nominal input power*
Mn_2	[Nm]	Coppia nominale in uscita in funzione di Pn_1 / *Nominal output torque referred to* Pn_1
sf		Fattore di servizio / *Service factor*
R_2	[N]	Carico radiale ammissibile in uscita / *Permitted output radial load*
A_2	[N]	Carico assiale ammissibile in uscita / *Permitted output axial load*

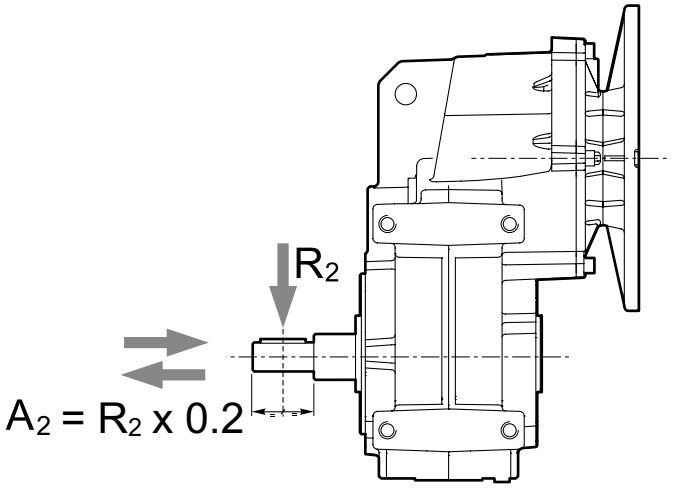
Lubrificazione — *Lubrication*

Tutti i motoriduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione.

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.

Carichi radiali

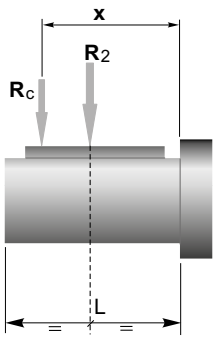
Radial loads



n_2 [min^{-1}]	R_2 [N]	
	ATS 902 ATS 903	ATS 912 ATS 913
240	2400	3600
180	2400	4200
150	2400	4200
120	2500	4600
100	2800	4800
85	3090	5100
70	3150	5250
55	3630	6000
40	4440	6900
30	5100	7800
20	6000	9500
15	6000	10000
10	6000	10000
5	6000	10000

Quando il carico radiale risultante non è applicato sulla mezzeria dell'albero occorre calcolare quello effettivo con la seguente formula:

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



	ATS 902 ATS 903	ATS 912 ATS 913
a	152	174.5
b	97	114.5
R_{2MAX}	6000	10000

$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

$$R \leq R_c$$

a, b = valori riportati nella tabella
a, b = values given in the table

Dati tecnici — n_1 1400 min^{-1} — *Technical data*

	n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC Motori applicabili / *IEC Motor adapters*				
ATSIS 902					**71 B5**	**80 B5/B14**	**90 B5/B14**	**100 B5/B14**	**112 B5/B14**
	239	200	5.2	5.87	B				
	178	250	4.9	7.87	B				
	148	300	4.8	9.47	B				
	121	350	4.6	11.53	B				
	106	350	4.0	13.26	B				
	89.3	350	3.4	15.68	B				
	84.0	350	3.2	16.68	B				*
	73.3	400	3.2	19.09	B				*
	63.7	400	2.8	21.96	B				*
	52.8	400	2.3	26.50	B				*
	50.7	400	2.2	27.61	B				*
	47.2	400	2.1	29.65	B				*
	41.8	400	1.8	33.49	B			*	*
	39.0	400	1.7	35.87	B			*	*
	36.6	400	1.6	38.29	B			*	*
	31.9	400	1.4	43.88	B			*	*
	28.5	400	1.3	49.09	B			*	*
	26.6	400	1.2	52.71	B			*	*
	25.2	400	1.1	55.45	B			*	*
	22.1	400	0.98	63.41	B		*	*	*
	19.0	400	0.85	73.64	B		*	*	*
	16.0	400	0.71	87.27	B		*	*	*

ATSIS 903				**63 B5**	**71 B5/B14**	**80 B5/B14**	**90 B5/B14**
14.0	400	0.62	100.33				*
11.1	400	0.50	125.89				*
10.6	400	0.47	131.65				*
10.0	400	0.45	139.88			*	*
9.3	400	0.41	151.07			*	*
8.4	400	0.38	166.13			*	*
8.1	400	0.36	172.40			*	*
6.7	400	0.30	208.45			*	*
6.3	400	0.28	223.41			*	*
5.6	400	0.25	250.14			*	*
4.3	400	0.19	323.65		*	*	*
4.1	400	0.18	345.59		*	*	*
3.7	400	0.17	376.15		*	*	*
3.3	400	0.15	424.21		*	*	*

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.
B = Boccola di riduzione in acciaio.

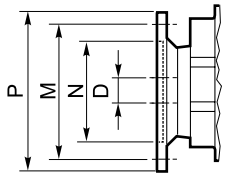
***** = Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. F8 alla pag. F11

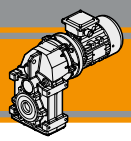
N.B.
Highlighted areas indicate motor inputs available on each size of unit.
***B** = Metal shaft sleeve.*

****** = The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

Before selecting any gearbox, please read the performance values shown in the tables on page F8 to F11.



Dimensioni IEC / *IEC Dimensions*									
	63 B5	**71 B5**	**71 B14**	**80 B5**	**80 B14**	**90 B5**	**90 B14**	**100/112 B5**	**100/112 B14**
N	95	110	70	130	80	130	95	180	110
M	115	130	85	165	100	165	115	215	130
P	140	160	105	200	120	200	140	250	160
D	11	14		19		24		28	



Dati tecnici — n_1 1400 min^{-1} — *Technical data*

	n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC Motori applicabili / *IEC Motor adapters*				
ATSIS 912					**71 B5**	**80 B5/B14**	**90 B5/B14**	**100 B5/B14**	**112 B5/B14**
	245.0	350	9.4	5.71	B				
	183	350	7.0	7.66	B				
	158	400	6.9	8.85	B				
	152	400	6.6	9.22	B				
	125	400	5.4	11.23	B				
	118	400	5.1	11.87	B				
	108	500	5.9	12.92	B				
	98.0	500	5.3	14.29	B				
	86.2	500	4.7	16.24	B				
	80.5	500	4.4	17.39	B				
	70.0	600	4.6	20.01	B				
	66.3	600	4.3	21.10	B				
	55.6	600	3.6	25.16	B				
	54.2	600	3.5	25.81	B				*
	48.5	600	3.2	28.88	B				*
	42.8	600	2.9	32.69	B				*
	37.5	600	2.5	37.30	B				*
	35.0	600	2.3	39.98	B				*
	31.3	600	2.1	44.73	B				*
	27.7	600	1.9	50.53	B			*	*
	24.2	600	1.6	57.77	B			*	*
	20.9	600	1.4	67.09	B			*	*
	17.6	600	1.2	79.52	B			*	*

					63 B5	**71 B5/B14**	**80 B5/B14**	**90 B5/B14**
ATSIS913								
	17.0	600	1.1	82.28				
	14.9	600	1.0	93.96				
	13.8	600	0.92	101.41				*
	11.4	600	0.76	122.61				*
	10.7	600	0.71	131.41				*
	9.5	600	0.64	147.13				*
	8.9	600	0.60	157.08				*
	7.4	600	0.49	189.92				*
	6.9	600	0.46	203.55			*	*
	6.1	600	0.41	227.91			*	*
	4.7	600	0.32	294.88			*	*
	4.4	600	0.30	314.87			*	*
	4.1	600	0.27	342.72			*	*
	3.6	600	0.24	386.51			*	*

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.
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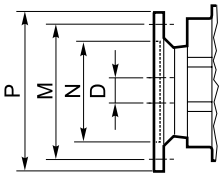


Dimensioni IEC / *IEC Dimensions*									
	63 B5	**71 B5**	**71 B14**	**80 B5**	**80 B14**	**90 B5**	**90 B14**	**100/112 B5**	**100/112 B14**
N	95	110	70	130	80	130	95	180	110
M	115	130	85	165	100	165	115	215	130
P	140	160	105	200	120	200	140	250	160
D	11	14		19		24		28	

Dati tecnici

Technical data

0.12

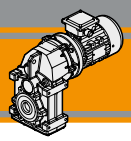
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
63A4 (1400 min^{-1})	**14.0**	77	5.2	100.33	**ATS903**	**B5**
	11.1	97	4.1	125.89		**B5**
	10.6	101	3.9	131.65		**B5**
	10.0	108	3.7	139.88		**B5**
	9.3	116	3.4	151.07		**B5**
	8.4	128	3.1	166.13		**B5**
	8.1	133	3.0	172.40		**B5**
	6.7	160	2.5	208.45		**B5**
	6.3	172	2.3	223.41		**B5**
	5.6	192	2.1	250.14		**B5**
	4.3	249	1.6	323.65		**B5**
	4.1	266	1.5	345.59		**B5**
	3.7	289	1.4	376.15		**B5**
	3.3	326	1.2	424.21		**B5**
	6.9	157	3.8	203.55	**ATS913**	**B5**
	6.1	175	3.4	227.91		**B5**
	4.7	227	2.6	294.88		**B5**
	4.4	242	2.5	314.87		**B5**
	4.1	264	2.3	342.72		**B5**
	3.6	297	2.0	386.51		**B5**

0.18

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
63B4 (1400 min^{-1})	**14.0**	116	3.5	100.33	**ATS903**	**B5**
	11.1	145	2.8	125.89		**B5**
	10.6	152	2.6	131.65		**B5**
	10.0	161	2.5	139.88		**B5**
	9.3	174	2.3	151.07		**B5**
	8.4	192	2.1	166.13		**B5**
	8.1	199	2.0	172.40		**B5**
	6.7	241	1.7	208.45		**B5**
	6.3	258	1.6	223.41		**B5**
	5.6	289	1.4	250.14		**B5**
	4.3	374	1.1	323.65		**B5**
	4.1	399	1.0	345.59		**B5**
	3.7	434	0.9	376.15		**B5**
	3.3	490	0.8	424.21		**B5**
	9.5	170	3.5	147.13	**ATS913**	**B5**
	8.9	181	3.3	157.08		**B5**
	7.4	219	2.7	189.92		**B5**
	6.9	235	2.6	203.55		**B5**
	6.1	263	2.3	227.91		**B5**
	4.7	340	1.8	294.88		**B5**
	4.4	363	1.7	314.87		**B5**
	4.1	396	1.5	342.72		**B5**
	3.6	446	1.3	386.51		**B5**

0.25

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
71A4 (1400 min^{-1})	**238**	10	20.8	5.87	**ATS902**	**B5**
	178	13	19.4	7.87		**B5**
	148	16	19.3	9.47		**B5**
	121	19	18.5	11.53		**B5**
	106	22	16.1	13.26		**B5**
	89.3	26	13.6	15.68		**B5**
	84.0	27	12.8	16.68		**B5**
	73.3	31	12.8	19.09		**B5**
	63.7	36	11.1	21.96		**B5**
	52.8	43	9.2	26.50		**B5**
	50.7	45	8.8	27.61		**B5**
	47.2	49	8.2	29.65		**B5**
	41.8	55	7.3	33.49		**B5**
	39.0	59	6.8	35.87		**B5**
	36.6	61	6.5	38.29		**B5**
	31.9	70	5.7	43.88		**B5**
	28.5	79	5.1	49.09		**B5**
	26.6	84	4.7	52.71		**B5**
	25.2	89	4.5	55.45		**B5**
	22.1	102	3.9	63.41		**B5**
	19.0	118	3.4	73.64		**B5**
	16.0	140	2.9	87.27		**B5**
	14.0	161	2.5	100.33	**ATS903**	**B5/B14**
	11.1	202	2.0	125.89		**B5/B14**
	10.6	211	1.9	131.65		**B5/B14**
	10.0	224	1.8	139.88		**B5/B14**
	9.3	242	1.7	151.07		**B5/B14**
	8.4	266	1.5	166.13		**B5/B14**
	8.1	276	1.4	172.40		**B5/B14**
	6.7	334	1.2	208.45		**B5/B14**
	6.3	358	1.1	223.41		**B5/B14**
	5.6	401	1.0	250.14		**B5/B14**
	13.8	163	3.7	101.41	**ATS913**	**B5/B14**
	11.4	197	3.1	122.61		**B5/B14**
	10.7	211	2.8	131.41		**B5/B14**
	9.5	236	2.5	147.13		**B5/B14**
	8.9	252	2.4	157.08		**B5/B14**
	7.4	304	2.0	189.92		**B5/B14**
	6.9	326	1.8	203.55		**B5/B14**
	6.1	365	1.6	227.91		**B5/B14**
	4.7	473	1.3	294.88		**B5/B14**
	4.4	505	1.2	314.87		**B5/B14**
	4.1	549	1.1	342.72		**B5/B14**
	3.6	620	1.0	386.51		**B5/B14**



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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.37						
71B4 (1400 min^{-1})	**239**	14	14.1	5.87	**ATS902**	**B5**
	178	19	13.1	7.87		**B5**
	148	23	13.1	9.47		**B5**
	121	28	12.5	11.53		**B5**
	106	32	10.9	13.26		**B5**
	89.3	38	9.2	15.68		**B5**
	84.0	40	8.7	16.68		**B5**
	73.3	46	8.6	19.09		**B5**
	63.7	53	7.5	21.96		**B5**
	52.8	64	6.2	26.50		**B5**
	50.7	67	6.0	27.61		**B5**
	47.2	72	5.6	29.65		**B5**
	41.8	81	4.9	33.49		**B5**
	39.0	87	4.6	35.87		**B5**
	36.6	91	4.4	38.29		**B5**
	31.9	104	3.8	43.88		**B5**
	28.5	116	3.4	49.09		**B5**
	26.6	125	3.2	52.71		**B5**
	25.2	132	3.0	55.45		**B5**
	22.1	150	2.7	63.41		**B5**
	19.0	175	2.3	73.64		**B5**
	16.0	207	1.9	87.27		**B5**
	14.0	238	1.7	100.33	**ATS903**	**B5/B14**
	11.1	299	1.3	125.89		**B5/B14**
	10.6	312	1.3	131.65		**B5/B14**
	10.0	332	1.2	139.88		**B5/B14**
	9.3	358	1.1	151.07		**B5/B14**
	8.4	394	1.0	166.13		**B5/B14**
	8.1	409	1.0	172.40		**B5/B14**
	24.2	137	4.4	57.77	**ATS912**	**B5**
	20.9	159	3.8	67.09		**B5**
	17.6	189	3.2	79.52		**B5**
	17.0	195	3.1	82.28	**ATS913**	**B5/B14**
	14.9	223	2.7	93.96		**B5/B14**
	13.8	241	2.5	101.41		**B5/B14**
	11.4	291	2.1	122.61		**B5/B14**
	10.7	312	1.9	131.41		**B5/B14**
	9.5	349	1.7	147.13		**B5/B14**
	8.9	373	1.6	157.08		**B5/B14**
	7.4	451	1.3	189.92		**B5/B14**
	6.9	483	1.2	203.55		**B5/B14**
	6.1	541	1.1	227.91		**B5/B14**
	4.7	700	0.9	294.88		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.55						
80A4 (1400 min^{-1})	**239**	21	9.5	5.87	**ATS902**	**B5/B14**
	178	28	8.8	7.87		**B5/B14**
	148	34	8.8	9.47		**B5/B14**
	121	42	8.4	11.53		**B5/B14**
	106	48	7.3	13.26		**B5/B14**
	89.3	56	6.2	15.68		**B5/B14**
	84.0	60	5.8	16.68		**B5/B14**
	73.3	69	5.8	19.09		**B5/B14**
	63.7	79	5.1	21.96		**B5/B14**
	52.8	95	4.2	26.50		**B5/B14**
	50.7	99	4.0	27.61		**B5/B14**
	47.2	107	3.7	29.65		**B5/B14**
	41.8	121	3.3	33.49		**B5/B14**
	39.0	129	3.1	35.87		**B5/B14**
	36.6	135	3.0	38.29		**B5/B14**
	31.9	155	2.6	43.88		**B5/B14**
	28.5	173	2.3	49.09		**B5/B14**
	26.6	186	2.2	52.71		**B5/B14**
	25.2	196	2.0	55.45		**B5/B14**
	22.1	224	1.8	63.41		**B5/B14**
	19.0	260	1.5	73.64		**B5/B14**
	16.0	308	1.3	87.27		**B5/B14**
	14.0	354	1.1	100.33	**ATS903**	**B5/B14**
	11.1	444	0.9	125.89		**B5/B14**
	10.6	464	0.9	131.65		**B5/B14**
	31.3	158	3.8	44.73	**ATS912**	**B5/B14**
	27.7	178	3.4	50.53		**B5/B14**
	24.2	204	2.9	57.77		**B5/B14**
	20.9	237	2.5	67.09		**B5/B14**
	17.6	280	2.1	79.52		**B5/B14**
	17.0	290	2.1	82.28	**ATS913**	**B5/B14**
	14.9	331	1.8	93.96		**B5/B14**
	13.8	358	1.7	101.41		**B5/B14**
	11.4	432	1.4	122.61		**B5/B14**
	10.7	463	1.3	131.41		**B5/B14**
	9.5	519	1.2	147.13		**B5/B14**
	8.9	554	1.1	157.08		**B5/B14**
	7.4	670	0.9	189.92		**B5/B14**

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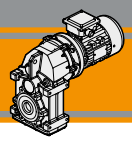
Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.75						
80B4 (1400 min^{-1})	**239**	29	6.9	5.87	**ATS902**	**B5/B14**
	178	39	6.5	7.87		**B5/B14**
	148	47	6.4	9.47		**B5/B14**
	121	57	6.2	11.53		**B5/B14**
	106	65	5.4	13.26		**B5/B14**
	89.3	77	4.5	15.68		**B5/B14**
	84.0	82	4.3	16.68		**B5/B14**
	73.3	94	4.3	19.09		**B5/B14**
	63.7	108	3.7	21.96		**B5/B14**
	52.8	130	3.1	26.50		**B5/B14**
	50.7	136	2.9	27.61		**B5/B14**
	47.2	146	2.7	29.65		**B5/B14**
	41.8	164	2.4	33.49		**B5/B14**
	39.0	176	2.3	35.87		**B5/B14**
	36.6	184	2.2	38.29		**B5/B14**
	31.9	211	1.9	43.88		**B5/B14**
	28.5	236	1.7	49.09		**B5/B14**
	26.6	253	1.6	52.71		**B5/B14**
	25.2	267	1.5	55.45		**B5/B14**
	22.1	305	1.3	63.41		**B5/B14**
	19.0	354	1.1	73.64		**B5/B14**
	16.0	420	1.0	87.27		**B5/B14**
	42.8	157	3.8	32.69	**ATS912**	**B5/B14**
	37.5	179	3.3	37.30		**B5/B14**
	35.0	192	3.1	39.98		**B5/B14**
	31.3	215	2.8	44.73		**B5/B14**
	27.7	243	2.5	50.53		**B5/B14**
	24.2	278	2.2	57.77		**B5/B14**
	20.9	323	1.9	67.09		**B5/B14**
	17.6	382	1.6	79.52		**B5/B14**
	17.0	396	1.5	82.28	**ATS913**	**B5/B14**
	14.9	452	1.3	93.96		**B5/B14**
	13.8	488	1.2	101.41		**B5/B14**
	11.4	590	1.0	122.61		**B5/B14**
	10.7	632	0.9	131.41		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
1.1						
90S4 (1400 min^{-1})	**239**	42	4.7	5.87	**ATS902**	**B5/B14**
	178	57	4.4	7.87		**B5/B14**
	148	68	4.4	9.47		**B5/B14**
	121	83	4.2	11.53		**B5/B14**
	106	96	3.7	13.26		**B5/B14**
	89.3	113	3.1	15.68		**B5/B14**
	84.0	120	2.9	16.68		**B5/B14**
	73.3	138	2.9	19.09		**B5/B14**
	63.7	158	2.5	21.96		**B5/B14**
	52.8	191	2.1	26.50		**B5/B14**
	50.7	199	2.0	27.61		**B5/B14**
	47.2	214	1.9	29.65		**B5/B14**
	41.8	241	1.7	33.49		**B5/B14**
	39.0	258	1.5	35.87		**B5/B14**
	36.6	270	1.5	38.29		**B5/B14**
	31.9	310	1.3	43.88		**B5/B14**
	28.5	346	1.2	49.09		**B5/B14**
	26.6	372	1.1	52.71		**B5/B14**
	25.2	391	1.0	55.45		**B5/B14**
	66.3	152	3.9	21.10	**ATS912**	**B5/B14**
	55.6	181	3.3	25.16		**B5/B14**
	54.2	186	3.2	25.81		**B5/B14**
	48.5	204	2.9	28.88		**B5/B14**
	42.8	231	2.6	32.69		**B5/B14**
	37.5	263	2.3	37.30		**B5/B14**
	35.0	282	2.1	39.98		**B5/B14**
	31.3	315	1.9	44.73		**B5/B14**
	27.7	356	1.7	50.53		**B5/B14**
	24.2	407	1.5	57.77		**B5/B14**
	20.9	473	1.3	67.09		**B5/B14**
	17.6	561	1.1	79.52		**B5/B14**
	17.0	580	1.0	82.28	**ATS913**	**B5/B14**
	14.9	663	0.9	93.96		**B5/B14**



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Technical data

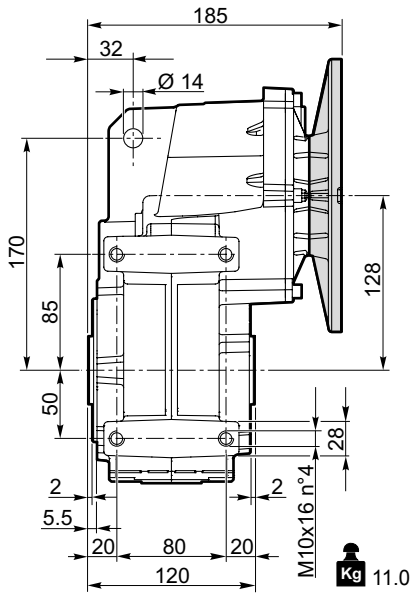
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
1.5						
90L4 (1400 min^{-1})	**239**	58	3.5	5.87	**ATS902**	**B5/B14**
	178	77	3.2	7.87		**B5/B14**
	148	93	3.2	9.47		**B5/B14**
	121	113	3.1	11.53		**B5/B14**
	106	130	2.7	13.26		**B5/B14**
	89.3	154	2.3	15.68		**B5/B14**
	84.0	164	2.1	16.68		**B5/B14**
	73.3	188	2.1	19.09		**B5/B14**
	63.7	216	1.9	21.96		**B5/B14**
	52.8	260	1.5	26.50		**B5/B14**
	50.7	271	1.5	27.61		**B5/B14**
	47.2	291	1.4	29.65		**B5/B14**
	41.8	329	1.2	33.49		**B5/B14**
	39.0	352	1.1	35.87		**B5/B14**
	36.6	368	1.1	38.29		**B5/B14**
	31.9	422	0.9	43.88		**B5/B14**
	108.4	127	3.9	12.92	**ATS912**	**B5/B14**
	98.0	140	3.6	14.29		**B5/B14**
	86.2	160	3.1	16.24		**B5/B14**
	80.5	171	2.9	17.39		**B5/B14**
	70.0	197	3.1	20.01		**B5/B14**
	66.3	207	2.9	21.10		**B5/B14**
	55.6	247	2.4	25.16		**B5/B14**
	54.2	254	2.4	25.81		**B5/B14**
	48.5	278	2.2	28.88		**B5/B14**
	42.8	314	1.9	32.69		**B5/B14**
	37.5	359	1.7	37.30		**B5/B14**
	35.0	385	1.6	39.98		**B5/B14**
	31.3	430	1.4	44.73		**B5/B14**
	27.7	486	1.2	50.53		**B5/B14**
	24.2	556	1.1	57.77		**B5/B14**
2.2						
100LA4 (1400 min^{-1})	**239**	85	2.4	5.87	**ATS902**	**B5/B14**
	178	113	2.2	7.87		**B5/B14**
	148	136	2.2	9.47		**B5/B14**
	121	166	2.1	11.53		**B5/B14**
	106	191	1.8	13.26		**B5/B14**
	89.3	226	1.5	15.68		**B5/B14**
	84.0	240	1.5	16.68		**B5/B14**
	73.3	275	1.5	19.09		**B5/B14**
	63.7	316	1.3	21.96		**B5/B14**
	52.8	382	1.0	26.50		**B5/B14**
	50.7	398	1.0	27.61		**B5/B14**
	47.2	427	0.9	29.65		**B5/B14**
	245.0	82	4.3	5.71	**ATS912**	**B5/B14**
	182.7	110	3.2	7.66		**B5/B14**
	158.2	128	3.1	8.85		**B5/B14**
	151.8	133	3.0	9.22		**B5/B14**
	124.7	162	2.5	11.23		**B5/B14**
	117.9	171	2.3	11.87		**B5/B14**
	108.4	186	2.7	12.92		**B5/B14**
	98.0	206	2.4	14.29		**B5/B14**
	86.2	234	2.1	16.24		**B5/B14**
	80.5	251	2.0	17.39		**B5/B14**
	70.0	288	2.1	20.01		**B5/B14**
	66.3	304	2.0	21.10		**B5/B14**
	55.6	362	1.7	25.16		**B5/B14**
	54.2	372	1.6	25.81		**B5/B14**
	48.5	407	1.5	28.88		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
2.2						
100LA4 (1400 min^{-1})	**42.8**	461	1.3	32.69	**ATS912**	**B5/B14**
	37.5	526	1.1	37.30		**B5/B14**
	35.0	564	1.1	39.98		**B5/B14**
	31.3	631	1.0	44.73		**B5/B14**
3.0						
100LB4 (1400 min^{-1})	**239**	115	1.7	5.87	**ATS902**	**B5/B14**
	178	155	1.6	7.87		**B5/B14**
	148	186	1.6	9.47		**B5/B14**
	121	227	1.5	11.53		**B5/B14**
	106	261	1.3	13.26		**B5/B14**
	89.3	308	1.1	15.68		**B5/B14**
	84.0	328	1.1	16.68		**B5/B14**
	73.3	375	1.1	19.09		**B5/B14**
	63.7	431	0.9	21.96		**B5/B14**
	245.0	112	3.1	5.71	**ATS912**	**B5/B14**
	182.7	151	2.3	7.66		**B5/B14**
	158.2	174	2.3	8.85		**B5/B14**
	151.8	181	2.2	9.22		**B5/B14**
	124.7	221	1.8	11.23		**B5/B14**
	117.9	233	1.7	11.87		**B5/B14**
	108.4	254	2.0	12.92		**B5/B14**
	98.0	281	1.8	14.29		**B5/B14**
	86.2	319	1.6	16.24		**B5/B14**
	80.5	342	1.5	17.39		**B5/B14**
	70.0	393	1.5	20.01		**B5/B14**
	66.3	415	1.4	21.10		**B5/B14**
	55.6	494	1.2	25.16		**B5/B14**
	54.2	507	1.2	25.81		**B5/B14**
	48.5	555	1.1	28.88		**B5/B14**
	42.8	629	1.0	32.69		**B5/B14**
4.0						
112M4 (1400 min^{-1})	**239**	154	1.3	5.87	**ATS902**	**B5/B14**
	178	206	1.2	7.87		**B5/B14**
	148	248	1.2	9.47		**B5/B14**
	121	302	1.2	11.53		**B5/B14**
	106	347	1.0	13.26		**B5/B14**
	89.3	411	0.9	15.68		**B5/B14**
	245.0	150	2.3	5.71	**ATS912**	**B5/B14**
	182.7	201	1.7	7.66		**B5/B14**
	158.2	232	1.7	8.85		**B5/B14**
	151.8	242	1.7	9.22		**B5/B14**
	124.7	294	1.4	11.23		**B5/B14**
	117.9	311	1.3	11.87		**B5/B14**
	108.4	338	1.5	12.92		**B5/B14**
	98.0	374	1.3	14.29		**B5/B14**
	86.2	425	1.2	16.24		**B5/B14**
	80.5	456	1.1	17.39		**B5/B14**
	70.0	524	1.1	20.01		**B5/B14**
	66.3	553	1.1	21.10		**B5/B14**
	55.6	659	0.9	25.16		**B5/B14**

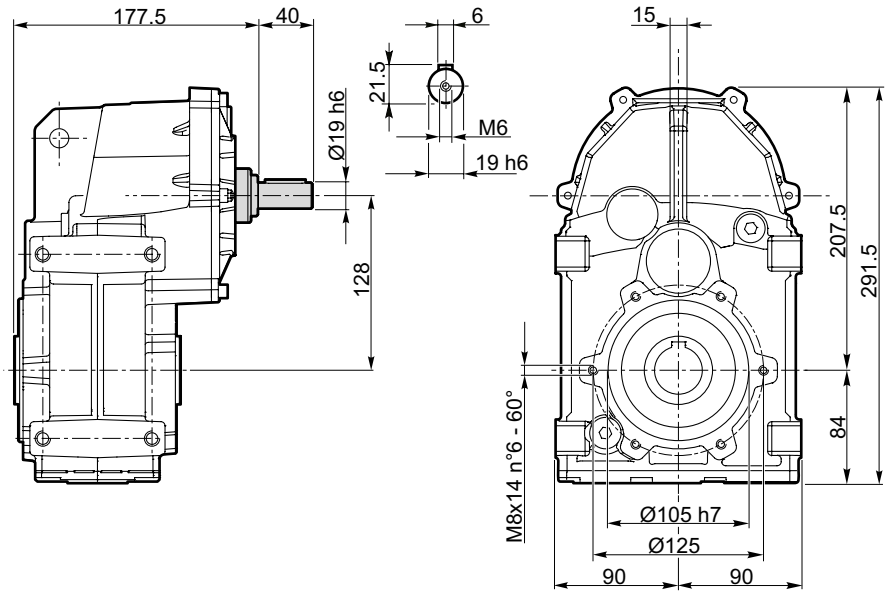
Dimensioni ***Dimensions***

ATS 902

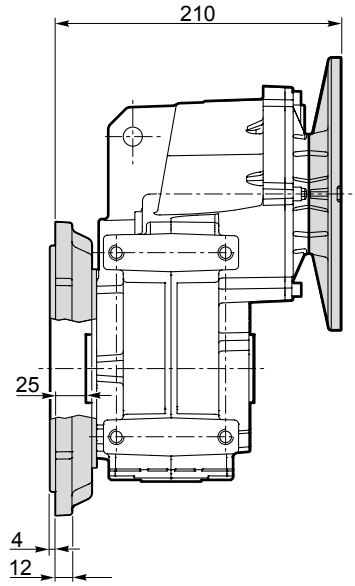
ATS 902 U..



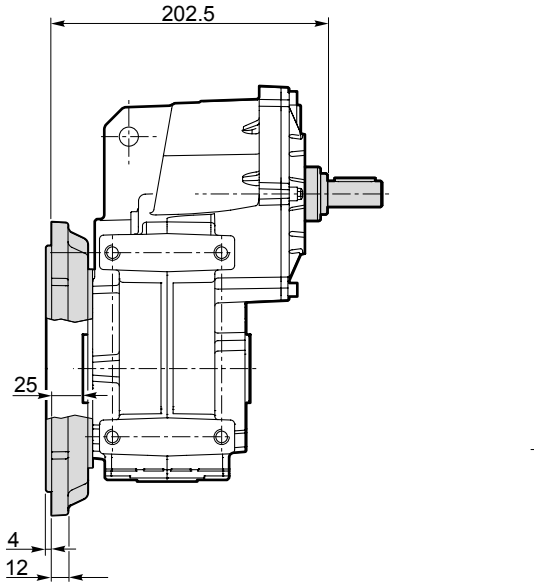
ATSIS 902 U..

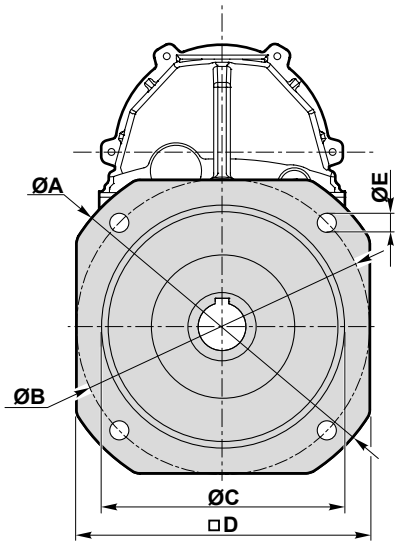


ATS 902 F..



ATSIS 902 F..

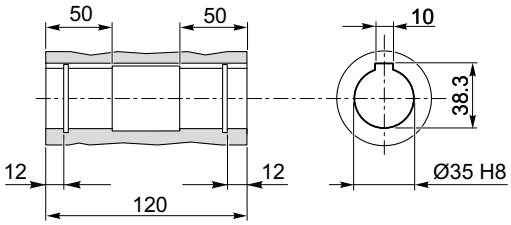




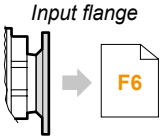
Versione **F** / ***F** Version*							
ATS ATSIS	**ØA**	**ØB**	**ØC f7**	**□D**	**ØE**	**Flangia / *Flange***	
						Tipo / *Type*	Peso / *Weight* [kg]
902	200	165	130	165	11	**F200**	2
	250	215	180	215	14	**F250**	3.2

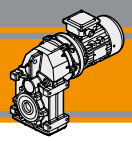
ATS 902.. D35 - ATSIS 902.. D35

Albero uscita cavo
Hollow output shaft



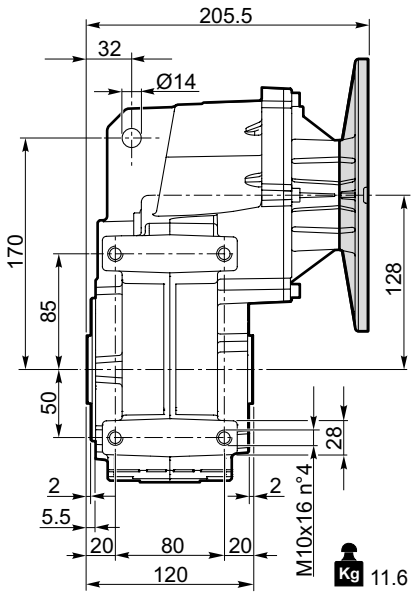
Flangia entrata
Input flange



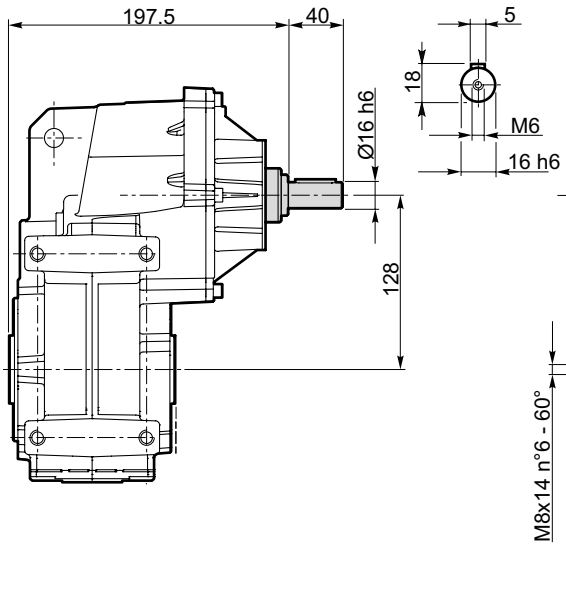


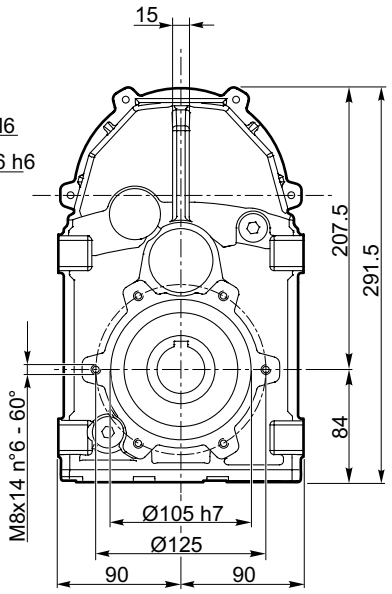
ATS 903

ATS 903 U..

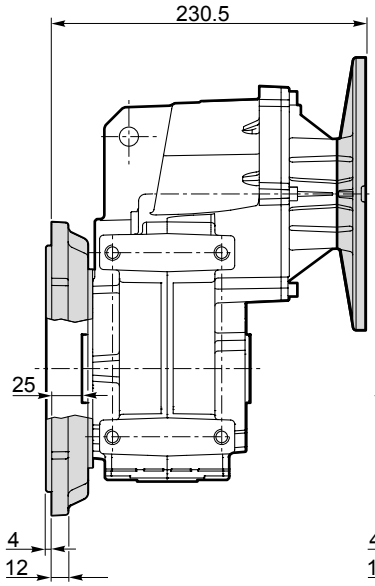


ATSIS 903 U..

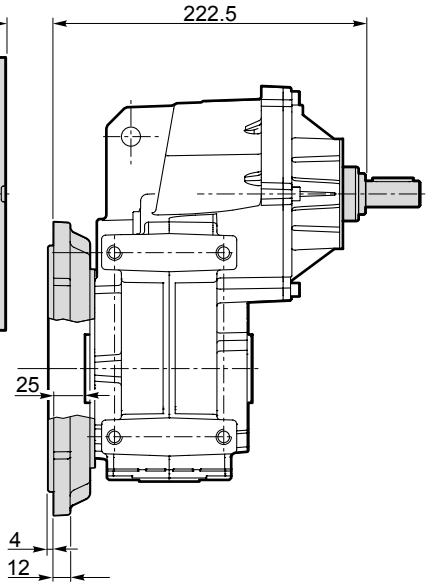


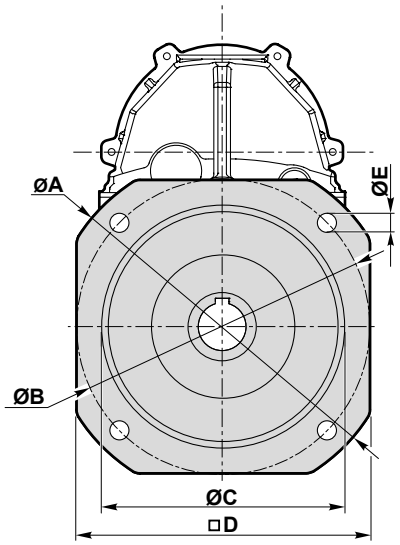


ATS 903 F..



ATSIS 903 F..

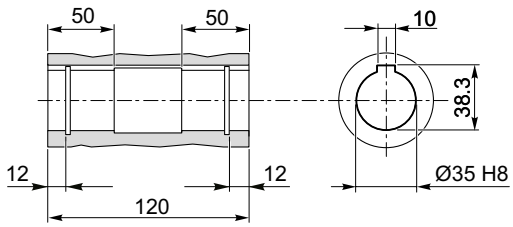




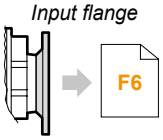
Versione **F** / ***F** Version*							
ATS ATSIS	**ØA**	**ØB**	**ØC f7**	**□D**	**ØE**	**Flangia / *Flange***	
						Tipo / *Type*	Peso / *Weight* [kg]
903	200	165	130	165	11	**F200**	2
	250	215	180	215	14	**F250**	3.2

ATS 903.. D35 - ATSIS 903.. D35

Albero uscita cavo
Hollow output shaft



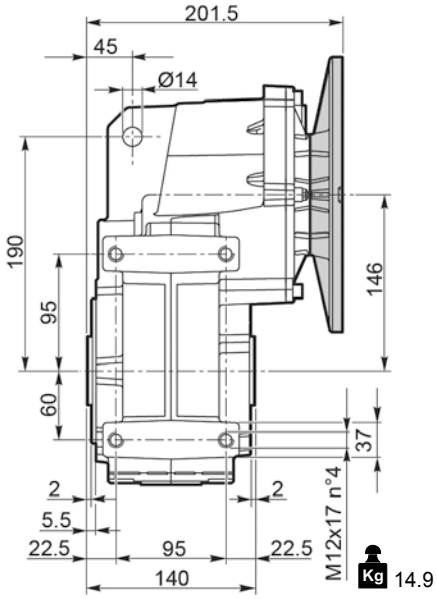
Flangia entrata
Input flange



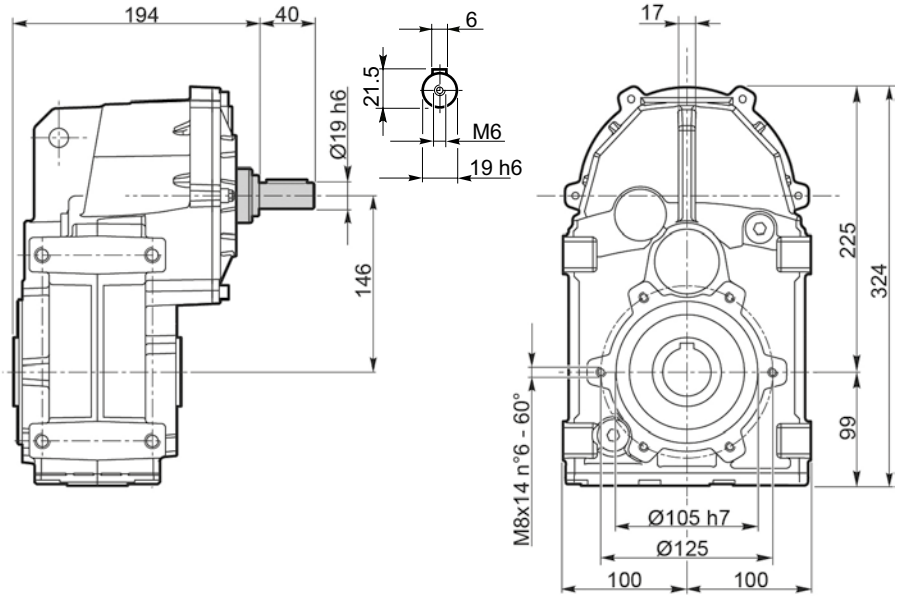
Dimensioni *Dimensions*

ATS 912

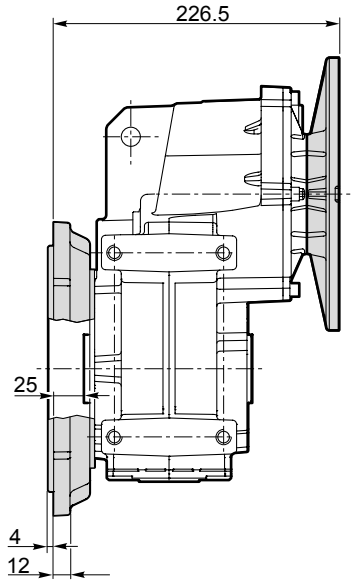
ATS 912 U..



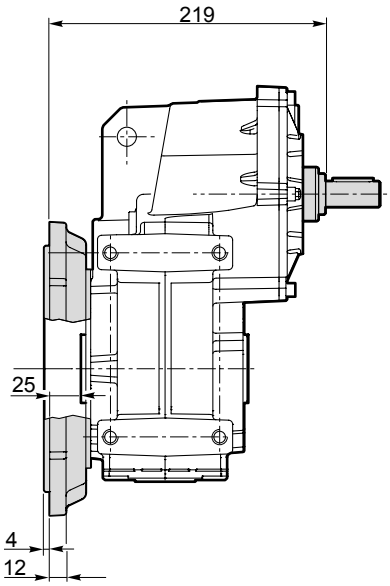
ATSIS 912 U..

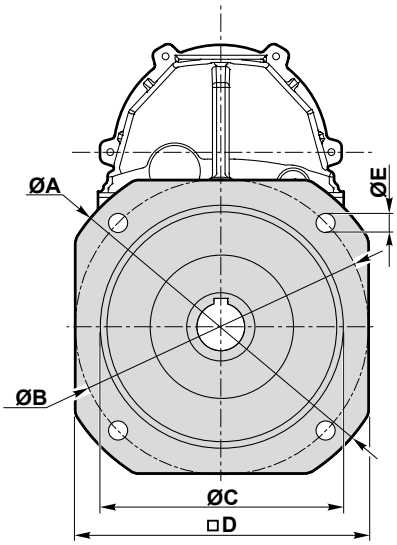


ATS 912 F..



ATSIS 912 F..

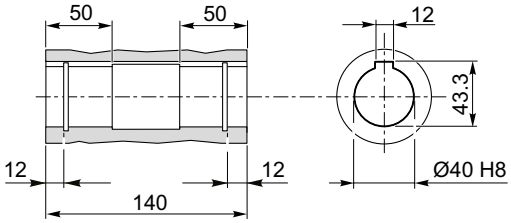




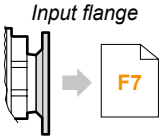
Versione **F** / ***F** Version*							
ATS ATSIS	**ØA**	**ØB**	**ØC f7**	**□D**	**ØE**	**Flangia / *Flange***	
						Tipo / *Type*	Peso / *Weight* [kg]
912	200	165	130	165	11	**F200**	2
	250	215	180	215	14	**F250**	3.2

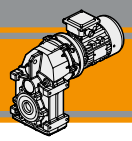
ATS 912.. D40 - ATSIS 912.. D40

Albero uscita cavo
Hollow output shaft



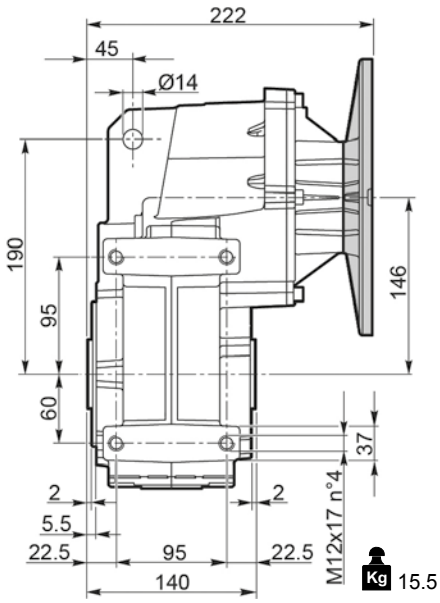
Flangia entrata
Input flange



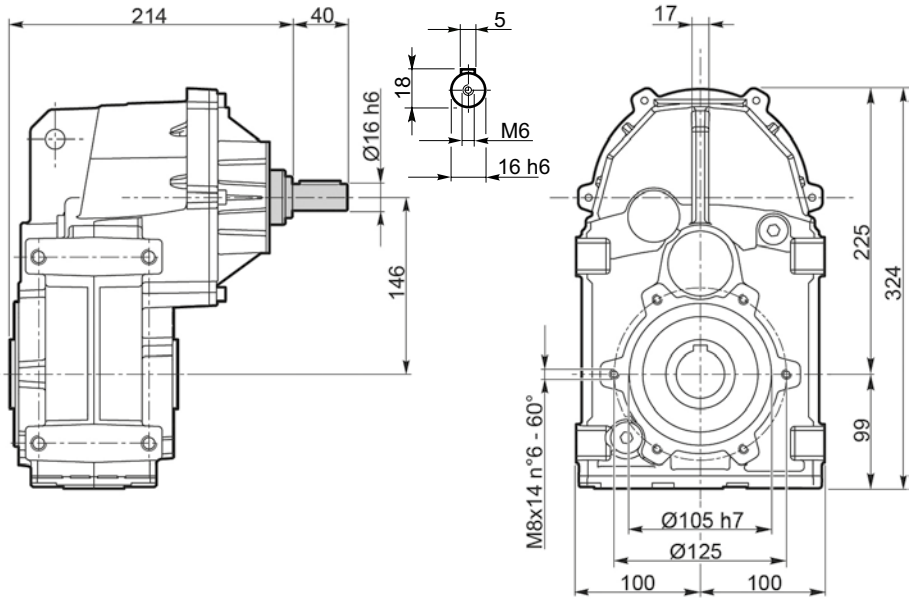


ATS 913

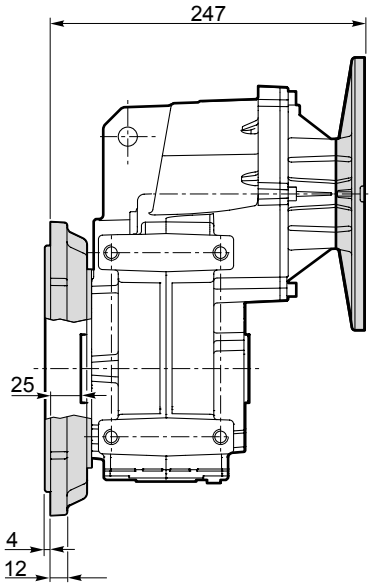
ATS 913 U..



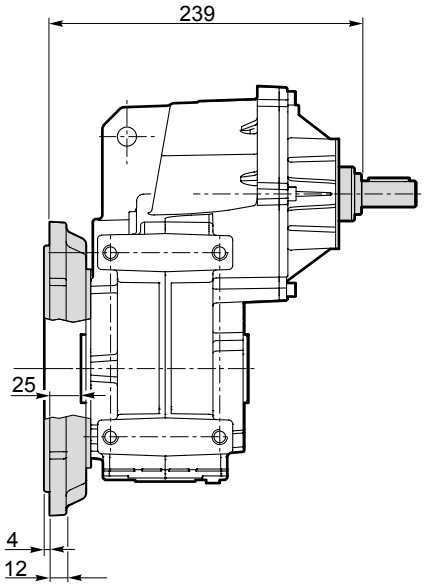
ATSIS 913 U..

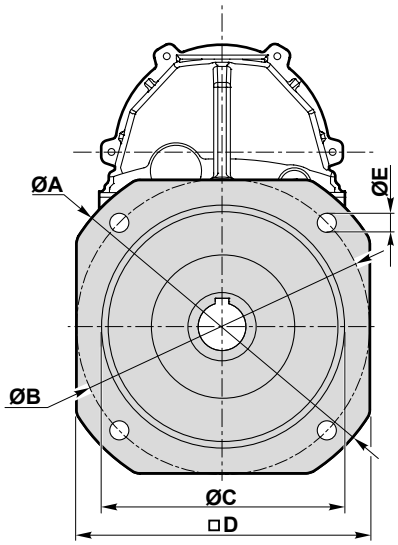


ATS 913 F..



ATSIS 913 F..

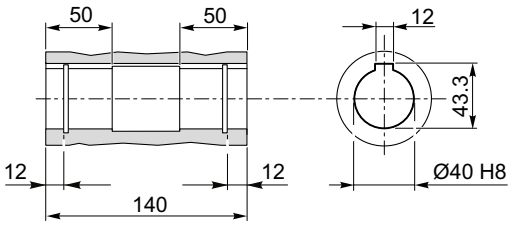




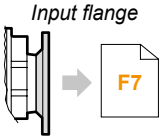
Versione **F** / ***F** Version*							
ATS ATSIS	**ØA**	**ØB**	**ØC f7**	**□D**	**ØE**	**Flangia / *Flange***	
						Tipo / *Type*	Peso / *Weight* [kg]
913	200	165	130	165	11	**F200**	2
	250	215	180	215	14	**F250**	3.2

ATS 913.. D40 - ATSIS 913.. D40

Albero uscita cavo
Hollow output shaft



Flangia entrata
Input flange

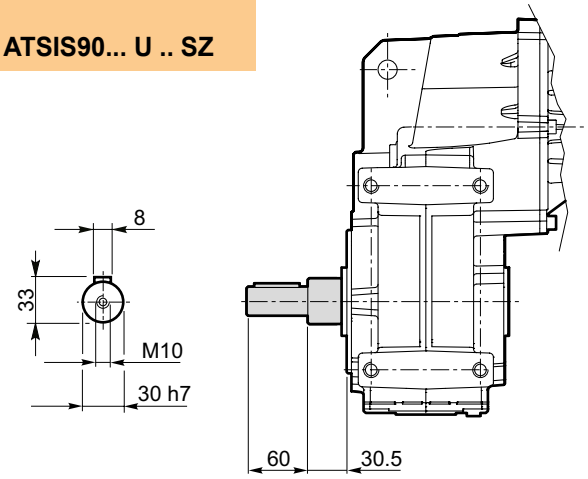


Accessori / *Accessories*

Albero lento semplice / *Single output shaft*

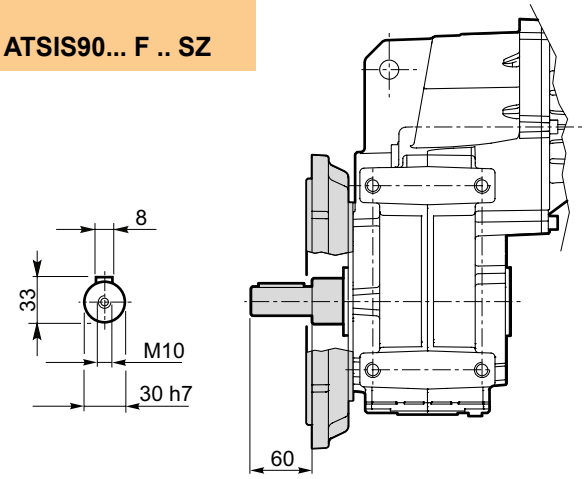
ATS90... U .. SZ

ATSIS90... U .. SZ



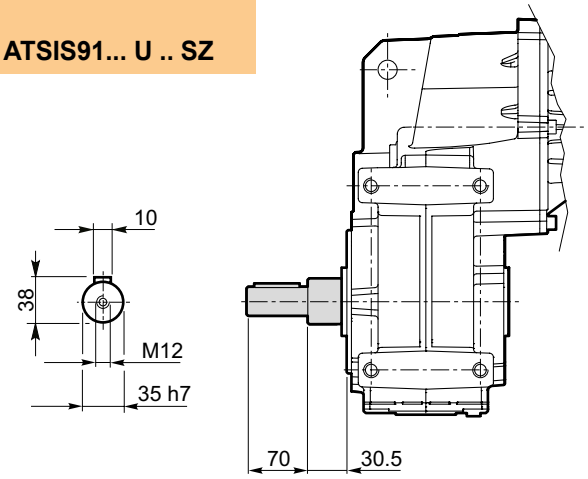
ATS90... F .. SZ

ATSIS90... F .. SZ



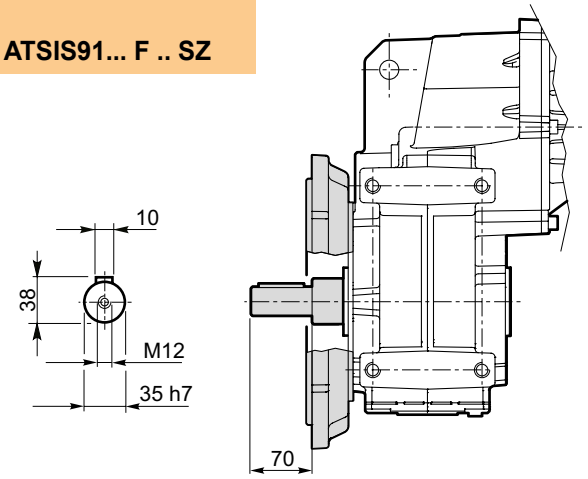
ATS91... U .. SZ

ATSIS91... U .. SZ



ATS91... F .. SZ

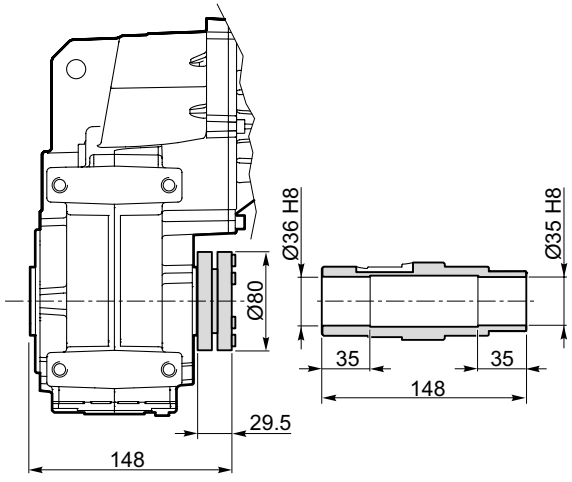
ATSIS91... F .. SZ



Albero lento con calettatore / *Output shaft with shrink disk*

ATS90... U .. G35

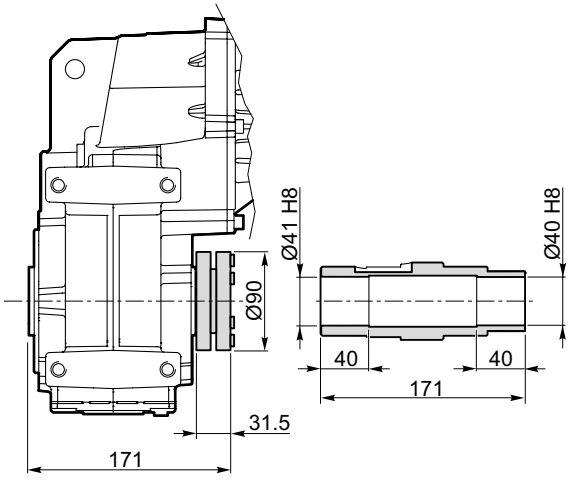
ATSIS90... U .. G35



Kit albero uscita con calettatore disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

ATS91... U .. G40

ATSIS91... U .. G40

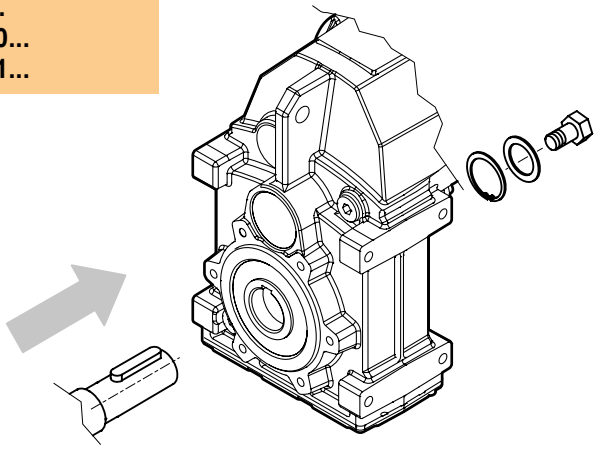


Output shaft kit with shrink disk available on request:
for assembly instructions please contact our Technical Service

Accessori / *Accessories*

Kit di montaggio albero uscita / *Output shaft assembly kit*

ATS90...
ATS91...
ATSIS90...
ATSIS91...

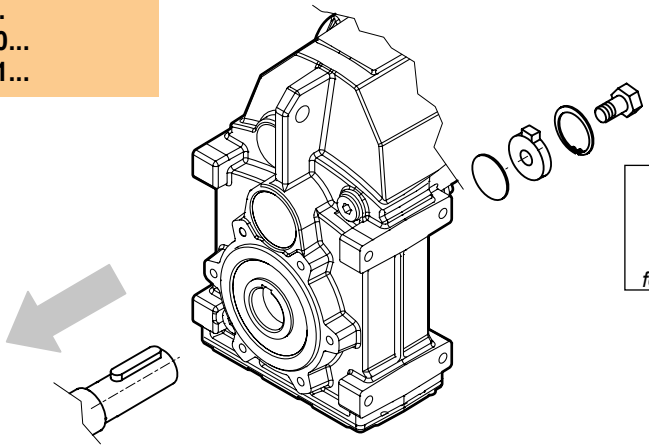


Kit di montaggio albero uscita disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

Output shaft assembly kit available upon request:
for assembly instructions please contact our Technical Assistance

Kit di smontaggio albero uscita / *Output shaft disassembly kit*

ATS90...
ATS91...
ATSIS90...
ATSIS91...

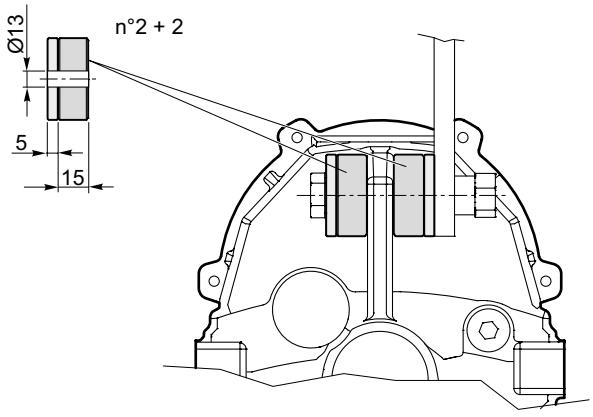


Kit di smontaggio albero uscita disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

Output shaft disassembly kit available upon request:
for assembly instructions please contact our Technical Assistance

Kit braccio di reazione / *Torque arm kit*

ATS90...U
ATS91...U
ATSIS90...U
ATSIS91...U



Kit braccio di reazione disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

Torque arm kit available upon request:
for assembly instructions please contact our Technical Assistance

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