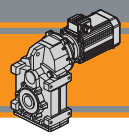
TRANSTECNO®
the modular gearmotor

ATS

ATS

ATS Alù

Motoriduttori pendolari
Helical parallel gearmotors



ENERGY SAVING

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Caratteristiche tecniche

Technical features

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:

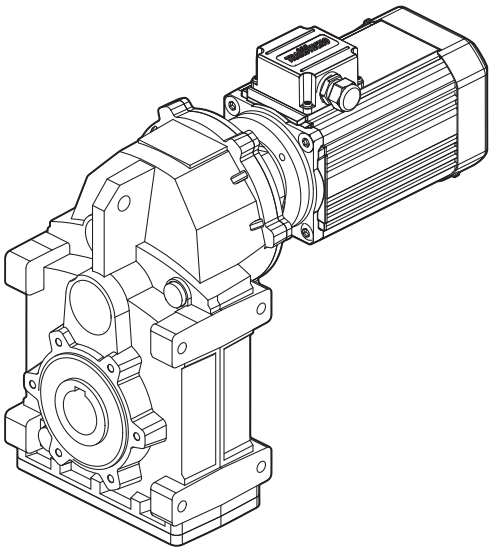
- Carcassa e flangia PAM in pressofusione di alluminio
- Lubrificazione permanente con olio sintetico.
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati.
- Flange di uscita in ghisa.

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

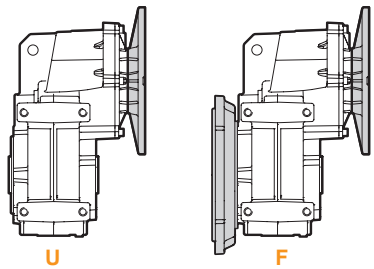


Designazione

Classification

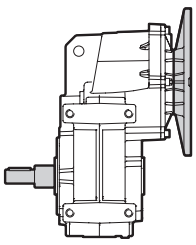
RIDUTTORE / *GEARBOX*								
ATS	**90**	**2**	**U**	**29.65**	**D35**	**90**	**B5**	**SZ**
Tipo *Type*	Grandezza *Size*	Stadi *Stages*	Versione *Version*	Rapporto *Ratio*	Albero cavo uscita *Hollow output shaft*	IEC	Forma costruttiva *Version*	Albero uscita maschio *Solid output shaft*
ATS	**90** **91**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

Versione Riduttore
Gearbox Version



U F

Albero di uscita
Output shaft

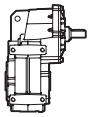


SZ

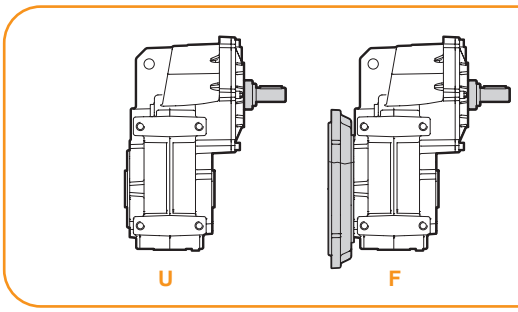
Designazione — *Classification*

RIDUTTORE / *GEARBOX*

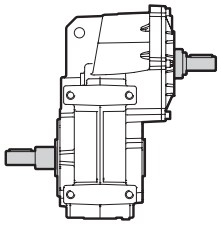
ATSIS	90	2	U	29.65	D35	SZ
Tipo *Type*	Grandezza *Size*	Stadi *Stages*	Versione *Version*	Rapporto *Ratio*	Albero cavo uscita *Hollow output shaft*	Albero uscita maschio *Solid output shaft*
ATSIS	**90** **91**	**2** **3**	**U...** **F...**	vedi tabelle *see tables*	vedi tabelle *see tables*	**SZ**



Versione Riduttore
Gearbox Version



Albero di uscita
Output shaft



MOTORE TRIFASE / *THREE PHASE MOTOR*

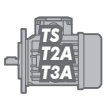
SMT	63	2	4	0.18 kW	IE2	B14	230-400 V	50 Hz	TEFC	BR	T1
Tipo *Type*	Grandezza *Size*	Indicativo potenza *Power coefficient*	Poli *Poles*	Potenza *Power*	Efficienza *Efficiency level*	Forma costruttiva *Version*	Tensione *Voltage*	Frequenza *Frequency*	*Ventilazione Fan cooling*	*Opzioni Options*	Pos. Morsettiera *Terminal box pos.*
SMT	N1 pag.	**1-2-3-4-5**	**4**	**0.04 kW** ... **2.2 kW**	**IE1-IE2-IE3** N4 pag.	**B14**	**230-400 V** **460V**	**50Hz** **60Hz**	**TEFC** **TENV**	O1-P1 Q1-S1 pag.	**T1** (Std) T4 T2 T3

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

SMM	63	2	4	0.18 kW	B14	230 V	50 Hz	TEFC	UL-CSA	T1
Tipo *Type*	Grandezza *Size*	Indicativo potenza *Power coefficient*	Poli *Poles*	Potenza *Power*	Forma costruttiva *Version*	Tensione *Voltage*	Frequenza *Frequency*	*Ventilazione Fan cooling*	*Opzioni Options*	Pos. Morsettiera *Terminal box pos.*
SMM	N1 pag.	**1-2-3-4**	**4**	**0.04 kW** ... **0.75 kW**	**B14**	**230V**	**50Hz**	**TEFC** **TENV**	Q1 pag.	**T1** (Std) T4 T2 T3

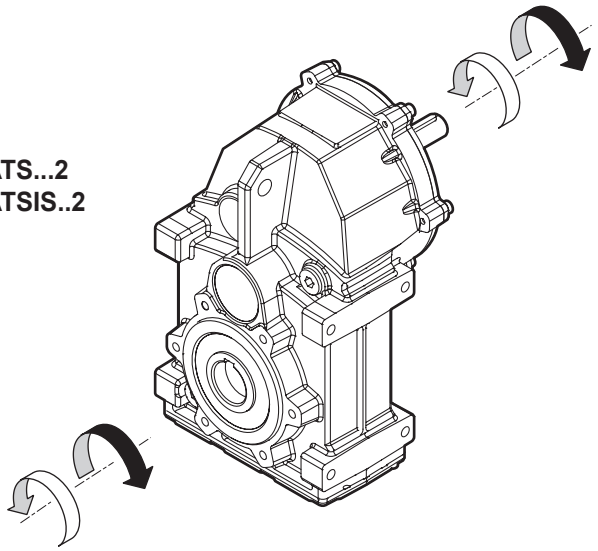
MOTORE TRIFASE / *THREE PHASE MOTOR*

T	2A	63	2	4	0.18 kW	B5	PTO	230-400 V	50 Hz	T1
Tipo *Type*	Efficienza *Efficiency level*	Grandezza *Size*	Indicativo potenza *Power coefficient*	Poli *Poles*	Potenza *Power*	Forma costruttiva *Version*	Protezione termica *Thermal protector*	Tensione *Voltage*	Frequenza *Frequency*	Pos. Morsettiera *Terminal box pos.*
T	**S** (IE1) **2A** (IE2) **3A** (IE3)	T1 pag.	**1-2-3-S** **L1-L2** **M1-M2**	**2** **4** **6**	**0.09 kW** ... **2.2 kW**	**B5** **B14** **B3**	**Null** **PTO**	**230-400 V 50Hz** **275-480 V 60Hz** **400-690 V 50Hz**		**T1** (Std) T4 T2 T3

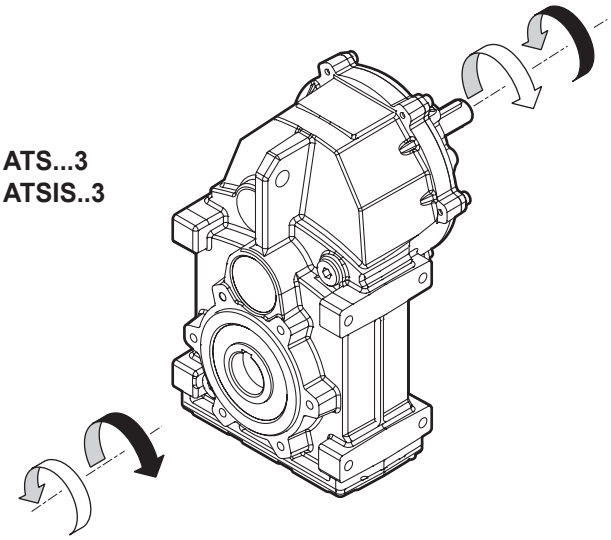


Sensi di rotazione — *Direction of rotation*

ATS...2
ATSIS..2



ATS...3
ATSIS..3



Simbologia — *Symbols*

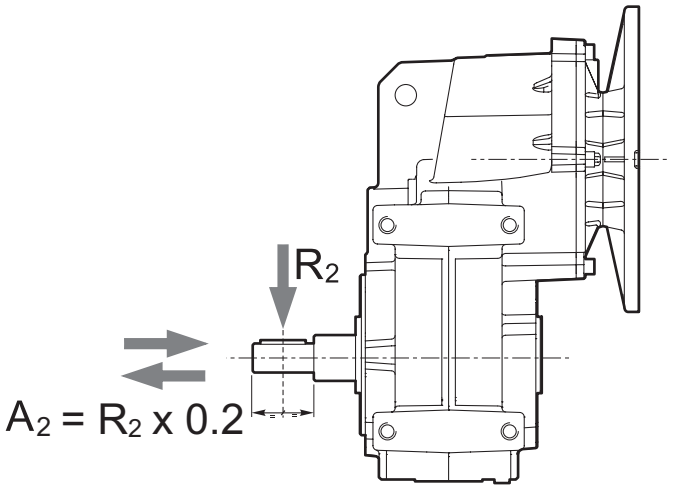
n_1	[min^{-1}]	Velocità in ingresso / *Input speed*
n_2	[min^{-1}]	Velocità in uscita / *Output speed*
i		Rapporto di riduzione / *Ratio*
P_1	[kW]	Potenza in entrata / *Input power*
M_2	[Nm]	Coppia nominale in uscita in funzione di P_1 / *Output torque referred to* P_1
Pn_1	[kW]	Potenza nominale in entrata / *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*
Kg	[kg]	Peso del solo riduttore / *Weight of the gearbox only*

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.

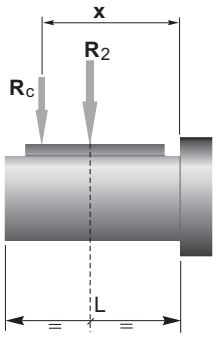
Carichi radiali — *Radial loads*



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

Motori applicabili — *Motors adapters*

ATS	SMT			SMM		TS						T2A			T3A			
	7124 7134 7144	8024 8034	9024 9034	7124 7134	8024	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24	100L14	6324 6334	7124 7134	8024 8034	8024 8034	90S4 90L14 90LB4	100L14 100L24 100L34	112M4
902																		
903																		
912																		
913																		

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

N.B. *Grey areas indicate motor inputs available on each size of unit.*

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	350	1.0	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		*	*	*

				63 B5	**71 B5/B14**	**80 B5/B14**	**90 B5/B14**
ATSIS 903							
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.

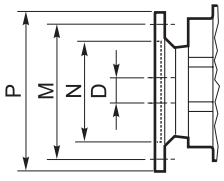
***** = Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

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

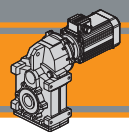
N.B.
Highlighted areas indicate motor inputs available on each size of unit.
***B** = Metal shaft sleeve.*

****** = 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	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				
	118	400	5.1	11.87	B				
	98.0	500	5.3	14.29	B				
	80.5	500	4.4	17.39	B				
	70.0	500	3.8	20.01	B				
	55.6	600	3.6	25.16	B				
	48.5	500	2.7	28.88	B				
	42.8	600	2.9	32.69	B				*
	37.5	520	2.2	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	520	1.0	79.52	B			*	*
ATSIS913					**63 B5**	**71 B5/B14**	**80 B5/B14**	**90 B5/B14**	
	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.
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.
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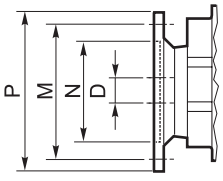
Before selecting any gearbox, please read the performance values shown in the tables on page F8 to F11.



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 — *Technical data*

0.12

TS6314 — B5 — (1400 min^{-1})

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
	14	77	5.2	100.33	**ATS903**
	11	97	4.1	125.89	
	11	101	3.9	131.65	
	10	108	3.7	139.88	
	9.3	116	3.4	151.07	
	8.4	128	3.1	166.13	
	8.1	133	3.0	172.40	
	6.7	160	2.5	208.45	
	6.3	172	2.3	223.41	
	5.6	192	2.1	250.14	
	4.3	249	1.6	323.65	
	4.1	266	1.5	345.59	
	3.7	289	1.4	376.15	
	3.3	326	1.2	424.21	
	6.9	157	3.8	203.55	**ATS913**
	6.1	175	3.4	227.91	
	4.7	227	2.6	294.88	
	4.4	242	2.5	314.87	
	4.1	264	2.3	342.72	
	3.6	297	2.0	386.51	

0.18

TS6324 / T2A6324 — B5 — Solo / *Only* — (1400 min^{-1})

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
	14	116	3.5	100.33	**ATS903**
	11	145	2.8	125.89	
	11	152	2.6	131.65	
	10	161	2.5	139.88	
	9.3	174	2.3	151.07	
	8.4	192	2.1	166.13	
	8.1	199	2.0	172.40	
	6.7	241	1.7	208.45	
	6.3	258	1.6	223.41	
	5.6	289	1.4	250.14	
	4.3	374	1.1	323.65	
	4.1	399	1.0	345.59	
	3.7	434	0.9	376.15	
	3.3	490	0.8	424.21	
	9.5	170	3.5	147.13	**ATS913**
	8.9	181	3.3	157.08	
	7.4	219	2.7	189.92	
	6.9	235	2.6	203.55	
	6.1	263	2.3	227.91	
	4.7	340	1.8	294.88	
	4.4	363	1.7	314.87	
	4.1	396	1.5	342.72	
	3.6	446	1.3	386.51	

0.25

TS7114 — B5 — Solo / *Only* — (1400 min^{-1})

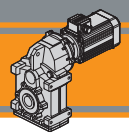
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
	239	10	20.8	5.87	**ATS902**
	178	13	19.4	7.87	
	148	16	19.3	9.47	
	121	19	18.5	11.53	
	106	22	16.1	13.26	
	89	26	13.6	15.68	
	84	27	12.8	16.68	
	73	31	12.8	19.09	
	64	36	11.1	21.96	
	53	43	9.2	26.50	
	51	45	8.8	27.61	
	47	49	8.2	29.65	
	42	55	7.3	33.49	
	39	59	6.8	35.87	
	37	61	6.5	38.29	
	32	70	5.7	43.88	
	29	79	5.1	49.09	
	27	84	4.1	52.71	
	25	89	4.5	55.45	
	22	102	3.9	63.41	
	19	118	3.4	73.64	
	16	140	2.9	87.27	

TS6334 / T2A6334 — B5 — Solo / Only TS7114 — (1400 min^{-1})

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
	14	161	2.5	100.33	**ATS903**
	11	202	2.0	125.89	
	11	211	1.9	131.65	
	10	224	1.8	139.88	
	9.3	242	1.7	151.07	
	8.4	266	1.5	166.13	
	8.1	276	1.4	172.40	
	6.7	334	1.2	208.45	
	6.3	358	1.1	223.41	
	5.6	401	1.0	250.14	
	14	163	3.7	101.41	**ATS913**
	11	197	3.1	122.61	
	11	211	2.8	131.41	
	9.5	236	2.5	147.13	
	8.9	252	2.4	157.08	
	7.4	304	2.0	189.92	
	6.9	326	1.8	203.55	
	6.1	365	1.6	227.91	
	4.7	473	1.3	294.88	
	4.4	505	1.2	314.87	
	4.1	549	1.1	342.72	
	3.6	620	1.0	386.51	

IEC

Motori *Motors*	TS		T2A
	6314 6324 6334	7114	6324 6334
IEC	63 B5	71 B5 / B14	63 B5



Dati tecnici — *Technical data*

0.37

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
TS7124 T2A7124 B5 Solo / *Only* (1400 min^{-1})	**239**	14	14.1	5.87	**ATS902**
	178	19	13.1	7.87	
	148	23	13.1	9.47	
	121	28	12.5	11.53	
	106	32	10.9	13.26	
	89	38	9.2	15.68	
	84	40	8.7	16.68	
	73	46	8.6	19.09	
	64	53	7.5	21.96	
	53	64	6.2	26.50	
	51	67	6.0	27.61	
	47	72	5.6	29.65	
	42	81	4.9	33.49	
	39	87	4.6	35.87	
	37	91	4.4	38.29	
	32	104	3.8	43.88	
	29	116	3.4	49.09	
	27	125	2.8	52.71	
	25	132	3.0	55.45	
	22	150	2.7	63.41	
	19	175	2.3	73.64	
	16	207	1.9	87.27	
SMT7124 SMT7124IE2 SMM7124 (1400 min^{-1}) SMT SMM TS7124 T2A7124 (1400 min^{-1})	**14**	238	1.7	100.33	**ATS903**
	11	299	1.3	125.89	
	11	312	1.3	131.65	
	10	332	1.2	139.88	
	9.3	358	1.1	151.07	
	8.4	394	1.0	166.13	
	8.1	409	1.0	172.40	
TS7124 T2A7124 B5 Solo / *Only* (1400 min^{-1})	**24**	137	4.4	57.77	**ATS912**
	21	159	3.8	67.09	
	18	189	2.8	79.52	
SMT7124 SMT7124IE2 SMM7124 (1400 min^{-1}) SMT SMM TS7124 T2A7124 (1400 min^{-1})	**17**	195	3.1	82.28	**ATS913**
	15	223	2.7	93.96	
	14	241	2.5	101.41	
	11	291	2.1	122.61	
	11	312	1.9	131.41	
	9.5	349	1.7	147.13	
	8.9	373	1.6	157.08	
	7.4	451	1.3	189.92	
	6.9	483	1.2	203.55	
	6.1	541	1.1	227.91	
	4.7	700	0.9	294.88	

0.55

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
TS7134 T2A7134 B5 Solo / Only TS8014 T2A8014 (1400 min^{-1})	**239**	21	9.5	5.87	**ATS902**
	178	28	8.8	7.87	
	148	34	8.8	9.47	
	121	42	8.4	11.53	
	106	48	7.3	13.26	
	89	56	6.2	15.68	
	84	60	5.8	16.68	
	73	69	5.8	19.09	
	64	79	5.1	21.96	
	53	95	4.2	26.50	
	51	99	4.0	27.61	
	47	107	3.7	29.65	
	42	121	3.3	33.49	
	39	129	3.1	35.87	
	37	135	3.0	38.29	
	32	155	2.6	43.88	
	29	173	2.3	49.09	
	27	186	1.9	52.71	
	25	196	2.0	55.45	
	22	224	1.8	63.41	
	19	260	1.5	73.64	
	16	308	1.3	87.27	
SMT7134 SMT7134IE2 SMM7134 (1400 min^{-1}) SMT SMM TS7134 TS8014 T2A7134 T2A8014 (1400 min^{-1})	**14**	354	1.1	100.33	**ATS903**
	11	444	0.9	125.89	
	11	464	0.9	131.65	
	10	493	0.8	139.88	
TS7134 **T2A7134** B5 Solo / *Only* **TS8014** **T2A8014** (1400 min^{-1})	**31**	158	3.8	44.73	**ATS912**
	28	178	3.4	50.53	
	24	204	2.9	57.77	
	21	237	2.5	67.09	
	18	280	1.9	79.52	
SMT7134 SMT7134IE2 SMM7134 (1400 min^{-1}) SMT SMM TS7134 TS8014 T2A7134 T2A8014 (1400 min^{-1})	**17**	290	2.1	82.28	**ATS913**
	15	331	1.8	93.96	
	14	358	1.7	101.41	
	11	432	1.4	122.61	
	11	463	1.3	131.41	
	9.5	519	1.2	147.13	
	8.9	554	1.1	157.08	
	7.4	670	0.9	189.92	

IEC

Motori *Motors*	SMT	SMM	TS		T2A	
	7124 7124IE2 7134 7134IE2	7124 7134	7124 7134	8014	7124 7134	8014
IEC	71 B14	71 B14	71 B5 / B14	80 B5 / B14	71 B5 / B14	80 B5 / B14

Dati tecnici — *Technical data*

0.75

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
SMT8024 IE3	**89**	77	4.5	15.68	**ATS902**
SMM8024	**84**	82	4.3	16.68	
(1400 min^{-1})	**73**	94	4.3	19.09	
SMT SMM	**64**	108	3.7	21.96	
	53	130	3.1	26.50	
	51	136	2.9	27.61	
TS7144	**47**	146	2.7	29.65	
B5	**42**	164	2.4	33.49	
	39	176	2.3	35.87	
Solo / Only	**37**	184	2.2	38.29	
TS8024	**32**	211	1.9	43.88	
T3A8024	**29**	236	1.7	49.09	
(1400 min^{-1})	**27**	253	1.4	52.71	
	25	267	1.5	55.45	
	22	305	1.3	63.41	
	19	354	1.1	73.64	
	16	420	1.0	87.27	
	43	157	3.8	32.69	**ATS912**
	38	179	2.9	37.30	
	35	192	3.1	39.98	
	31	215	2.8	44.73	
	28	243	2.5	50.53	
	24	278	2.2	57.77	
	21	323	1.9	67.09	
	18	382	1.4	79.52	
SMT7144	**17**	396	1.5	82.28	**ATS913**
SMT8024IE3	**15**	452	1.3	93.96	
SMM8024	**14**	488	1.2	101.41	
(1400 min^{-1})	**11**	590	1.0	122.61	
SMT SMM	**11**	632	0.9	131.41	
TS7144					
TS8024					
(1400 min^{-1})					

1.1

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
SMT8034 IE3	**239**	42	4.7	5.87	**ATS902**
(1400 min^{-1})	**178**	57	4.4	7.87	
SMT SMM	**148**	68	4.4	9.47	
	121	83	4.2	11.53	
	106	96	3.7	13.26	
TS8034	**89**	113	3.1	15.68	
TS90S4	**84**	120	2.9	16.68	
T3A8034	**73**	138	2.9	19.09	
T3A90S4	**64**	158	2.5	21.96	
(1400 min^{-1})	**53**	191	2.1	26.50	
	51	199	2.0	27.61	

1.1

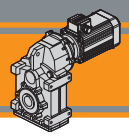
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
SMT8034 IE3	**47**	214	1.9	29.65	**ATS902**
(1400 min^{-1})	**42**	241	1.7	33.49	
SMT SMM	**39**	258	1.5	35.87	
	37	270	1.5	38.29	
	32	310	1.3	43.88	
TS8034	**29**	346	1.2	49.09	
TS90S4	**25**	391	1.0	55.45	
T3A8034	**22**	447	0.9	63.41	
T3A90S4					
(1400 min^{-1})	**56**	181	3.3	25.16	**ATS912**
	48	204	2.5	28.88	
	43	231	2.6	32.69	
	38	263	2.0	37.30	
	35	282	2.1	39.98	
	31	315	1.9	44.73	
	28	356	1.7	50.53	
	24	407	1.5	57.77	
	21	473	1.3	67.09	
	21	473	1.3	67.09	
	17	580	1.0	82.28	**ATS913**
	15	663	0.9	93.96	

1.5

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
SMT9024 IE3	**239**	58	3.5	5.87	**ATS902**
(1400 min^{-1})	**178**	77	3.2	7.87	
SMT SMM	**148**	93	3.2	9.47	
	121	113	3.1	11.53	
	106	130	2.7	13.26	
TS90L14	**89**	154	2.3	15.68	
T3A90L14	**84**	164	2.1	16.68	
(1400 min^{-1})	**73**	188	2.1	19.09	
	64	216	1.9	21.96	
	53	260	1.5	26.50	
	51	271	1.5	27.61	
	47	291	1.4	29.65	
	42	329	1.2	33.49	
	39	352	1.1	35.87	
	37	368	1.1	38.29	
	32	422	0.9	43.88	
	98	140	3.6	14.29	**ATS912**
	80	171	2.9	17.39	
	70	197	2.5	20.01	
	56	247	2.4	25.16	
	48	278	1.8	28.88	
	43	314	1.9	32.69	
	38	359	1.4	37.30	

IEC

Motori *Motors*	SMT			SMM	TS			T3A	
	7144	8024IE3 8034IE3	9024	8024 8034	7144	8024 8034	90S4 90L14	8024 8034	90S4 90L14
IEC	71 B14	80 B14	90 B14	80 B14	71 B5 / B14	80 B5 / B14	90 B5 / B14	80 B5 / B14	90 B5 / B14



Dati tecnici / *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
1.5					
SMT9024 IE3 (1400 min^{-1}) SMT SMM	**35**	385	1.6	39.98	**ATS912**
	31	430	1.4	44.73	
	28	486	1.2	50.53	
	24	556	1.1	57.77	
TS90L14 T3A90L14 (1400 min^{-1})					
2.2					
SMT9034 IE3 (1400 min^{-1}) SMT SMM	**239**	85	2.4	5.87	**ATS902**
	178	113	2.2	7.87	
	148	136	2.2	9.47	
	121	166	2.1	11.53	
	106	191	1.8	13.26	
TS90L24	**89**	226	1.5	15.68	
TS100L14	**84**	240	1.5	16.68	
T3A90LB4	**73**	275	1.5	19.09	
T3A100L14	**64**	316	1.3	21.96	
(1400 min^{-1})	**53**	382	1.0	26.50	
	51	398	1.0	27.61	
	47	427	0.9	29.65	
	245	82	4.3	5.71	**ATS912**
	183	110	3.2	7.66	
	158	128	3.1	8.85	
	152	133	3.0	9.22	
	118	171	2.3	11.87	
	98	206	2.4	14.29	
	80	251	2.0	17.39	
	70	288	1.7	20.01	
	56	362	1.7	25.16	
	48	407	1.2	28.88	
	43	461	1.3	32.69	
	35	564	1.1	39.98	

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
3.0					
T3A100L24 B5 (1400 min^{-1})	**239**	115	1.7	5.87	**ATS902**
	178	155	1.6	7.87	
	148	186	1.6	9.47	
	121	227	1.5	11.53	
	106	261	1.3	13.26	
	89	308	1.1	15.68	
	84	328	1.1	16.68	
	73	375	1.1	19.09	
	64	431	0.9	21.96	
	245	112	3.1	5.71	**ATS912**
	183	151	2.3	7.66	
	158	174	2.3	8.85	
	152	181	2.2	9.22	
	118	233	1.7	11.87	
	98	281	1.8	14.29	
	80	342	1.5	17.39	
	70	393	1.3	20.01	
	56	494	1.2	25.16	
4.0					
T3A112M4 B5 (1400 min^{-1})	**239**	154	1.3	5.87	**ATS902**
	178	206	1.2	7.87	
	148	248	1.2	9.47	
	121	302	1.2	11.53	
	106	347	1.0	13.26	
	89	411	0.9	15.68	
	245	150	2.3	5.71	**ATS912**
	183	201	1.7	7.66	
	158	232	1.7	8.85	
	152	242	1.7	9.22	
	118	311	1.3	11.87	
	98	374	1.3	14.29	
	80	456	1.1	17.39	

IEC

Motori *Motors*	SMT	TS		T3A		
	9024IE3 9034IE3	90L14 90L24	TS100L14	90L14 90LB4	100L14 100L24	112M4
IEC	90 B14	90 B5 / B14	100 B5 / B14	90 B5 / B14	100 B5 / B14	112 B5 / B14

Dati tecnici elettrici / *Electrical technical data*

Si prega di consultare il paragrafo dedicato: / *Please see the dedicated paragraph:*

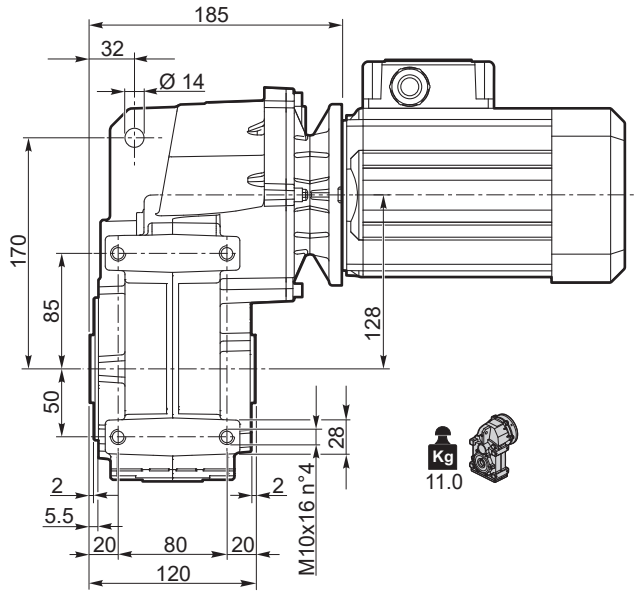
SMT SMM → N3 pag.

TS T2A T3A → T3 pag.

Dimensioni *Dimensions*

ATS 902

ATS 902 U..



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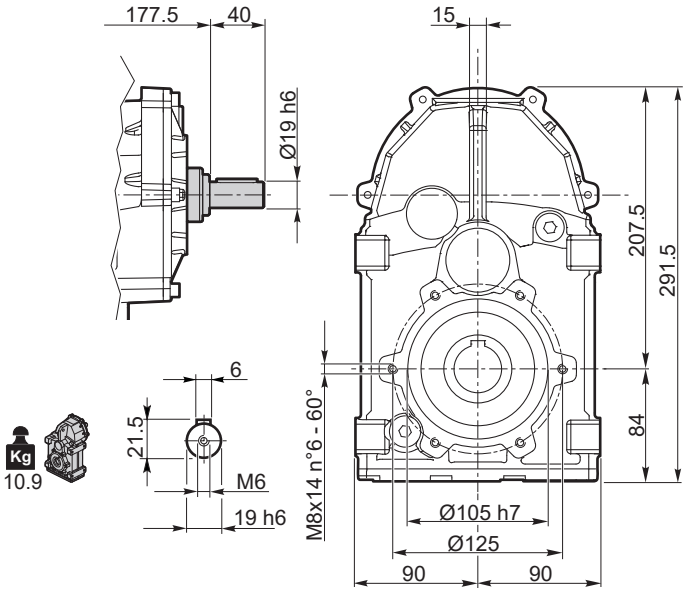
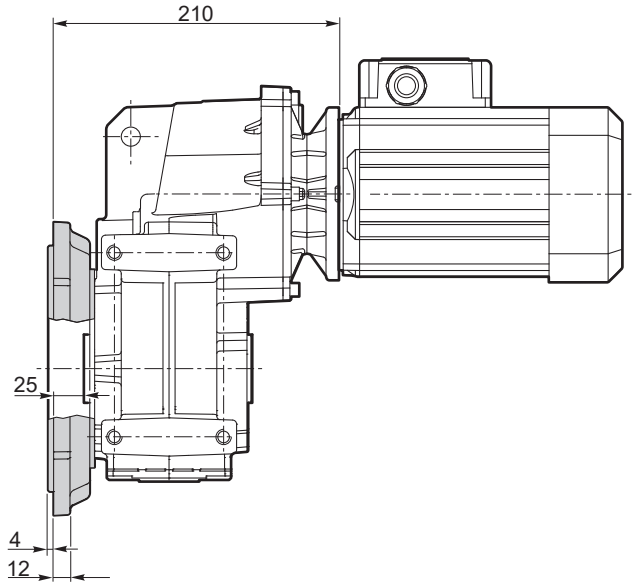


ATS 902 F..



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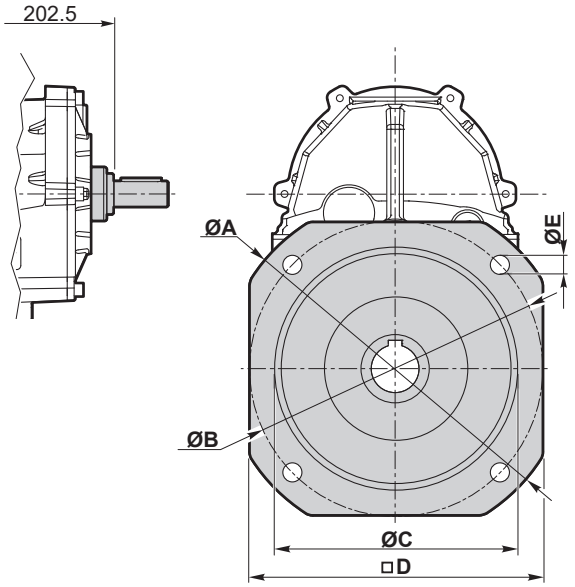
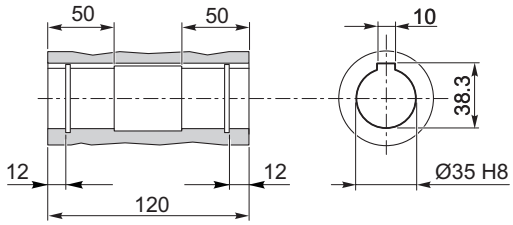


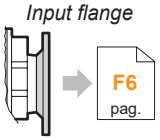
Versione **F** / ***F** Version*							
ATS ATSIS	**ØA**	**ØB**	**ØC f7**	**□D**	**ØE**	**Flangia / *Flange***	
						Tipo / *Type*	Peso / *Weight* [kg]
902	200	165	130	165	11	**F200**	2
	250	215	180	215	14	**F250**	3.2

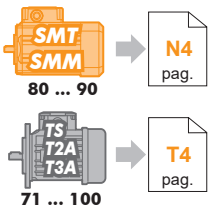
ATS 902.. D35 - ATSIS 902.. D35

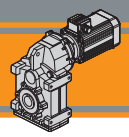
Albero uscita cavo
Hollow output shaft



Flangia entrata
Input flange

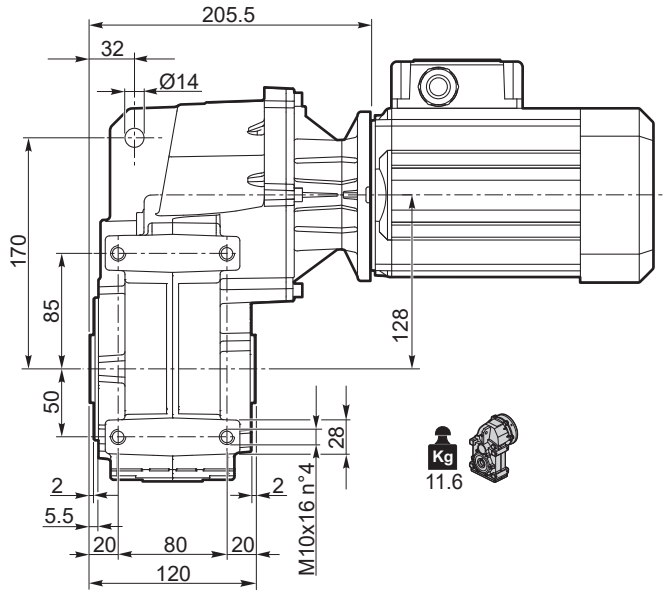






ATS 903

ATS 903 U..



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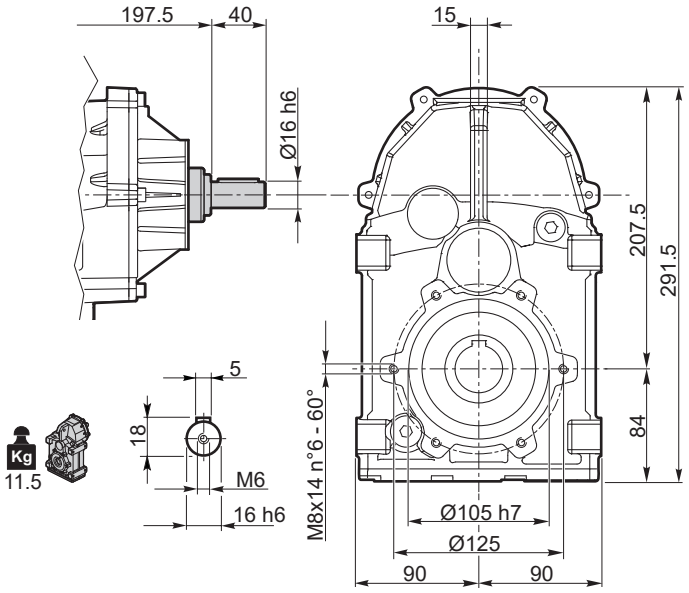
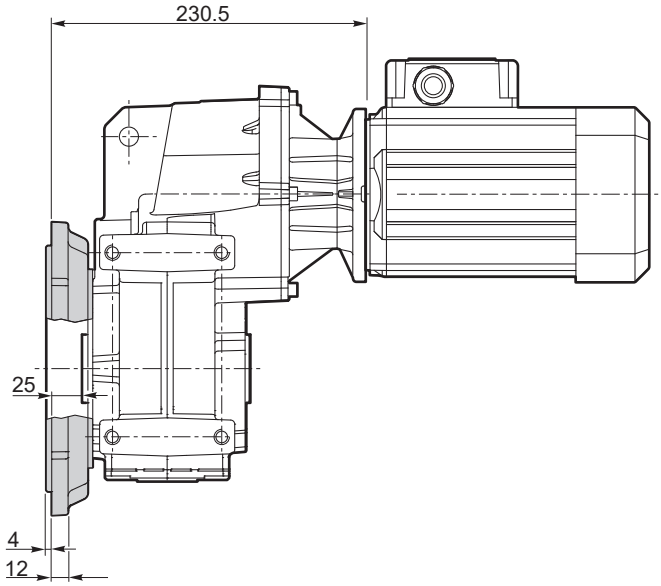
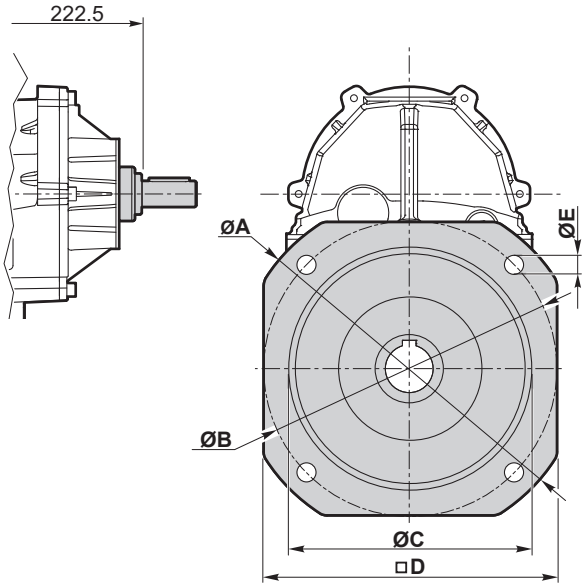


ATS 903 F..



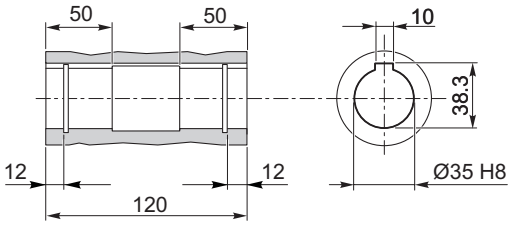
ATSIS 903 F..



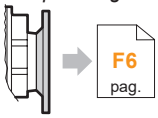
Versione **F** / ***F** Version*							
ATS ATSIS	**ØA**	**ØB**	**ØC f7**	**□D**	**ØE**	**Flangia / *Flange***	
						Tipo / *Type*	Peso / *Weight* [kg]
903	200	165	130	165	11	**F200**	2
	250	215	180	215	14	**F250**	3.2

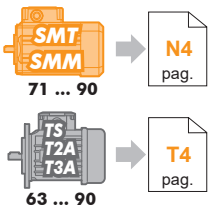
ATS 903.. D35 - ATSIS 903.. D35

Albero uscita cavo
Hollow output shaft



Flangia entrata
Input flange

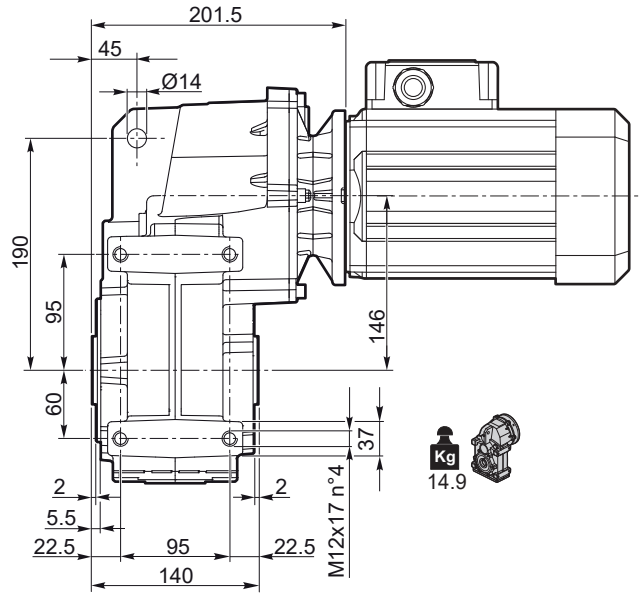




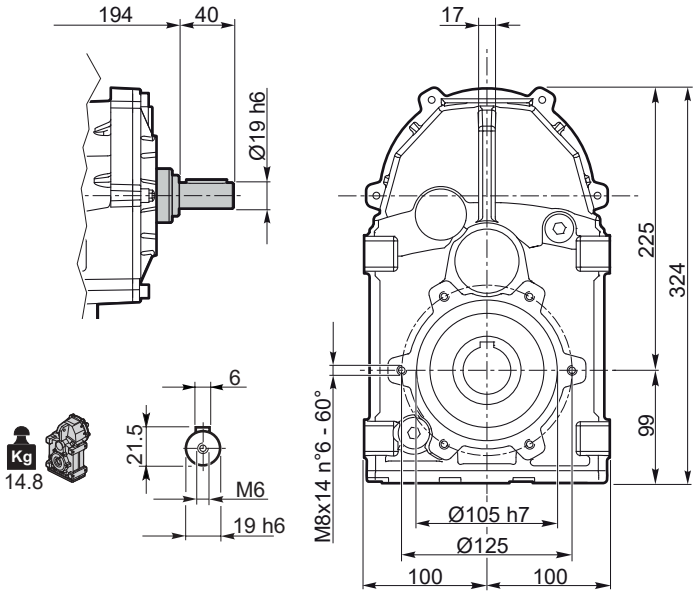
Dimensioni *Dimensions*

ATS 912

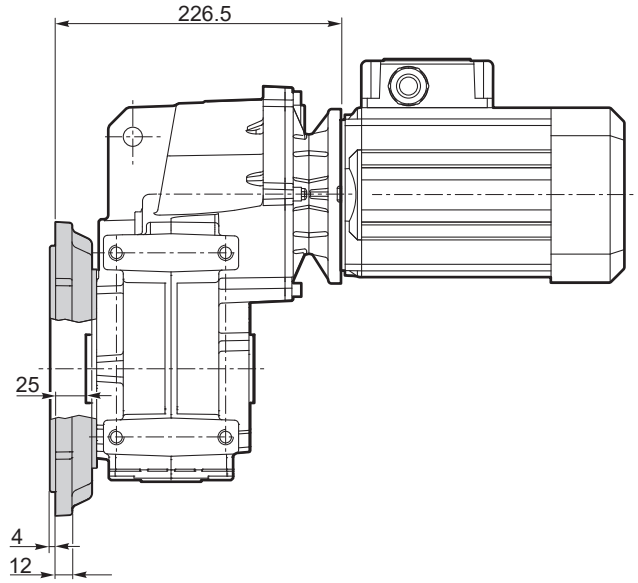
ATS 912 U..



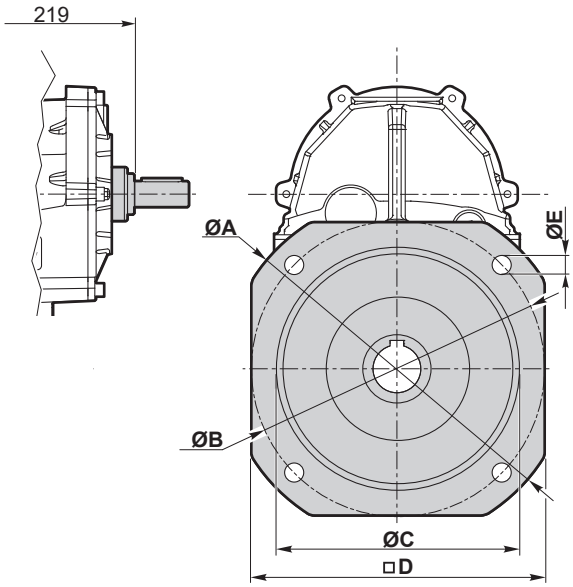
ATSIS 912 U..



ATS 912 F..



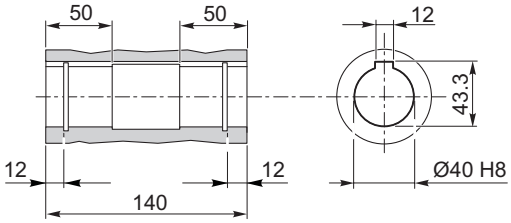
ATSIS 912 F..



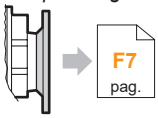
Versione **F** / ***F** Version*							
ATS ATSIS	**ØA**	**ØB**	**ØC f7**	**□D**	**ØE**	**Flangia / *Flange***	
						Tipo / *Type*	Peso / *Weight* [kg]
912	200	165	130	165	11	**F200**	2
	250	215	180	215	14	**F250**	3.2

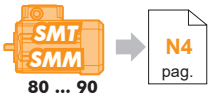
ATS 912.. D40 - ATSIS 912.. D40

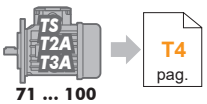
Albero uscita cavo
Hollow output shaft

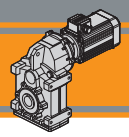


Flangia entrata
Input flange





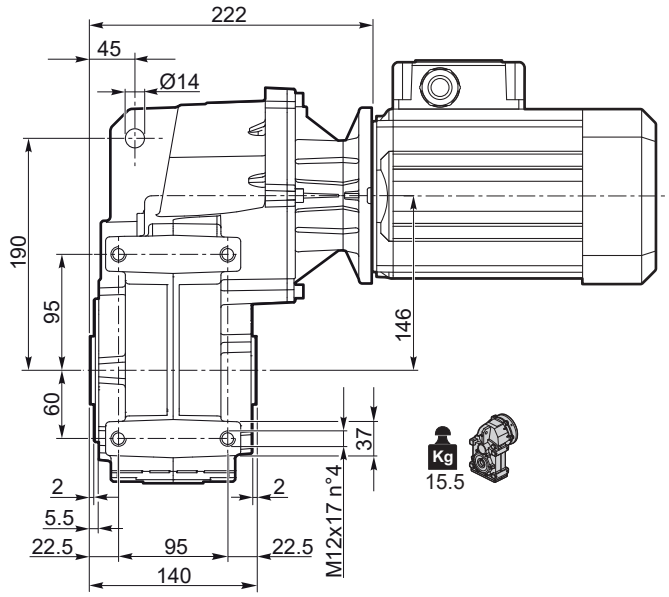




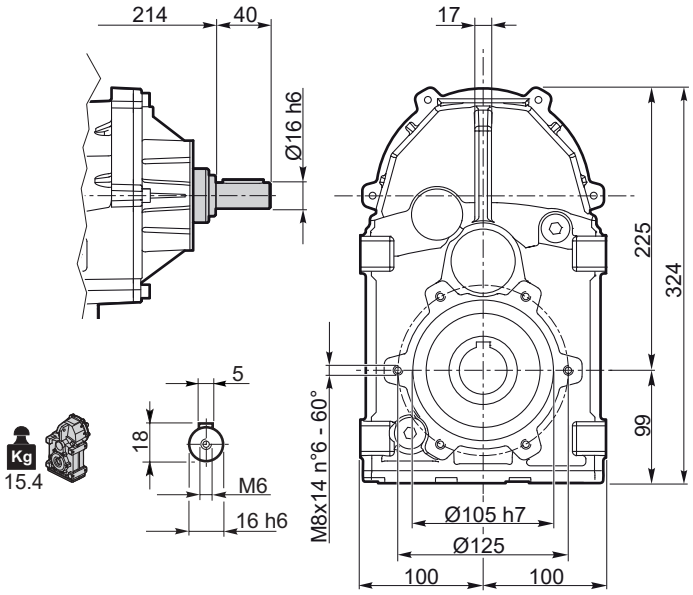
Dimensioni *Dimensions*

ATS 913

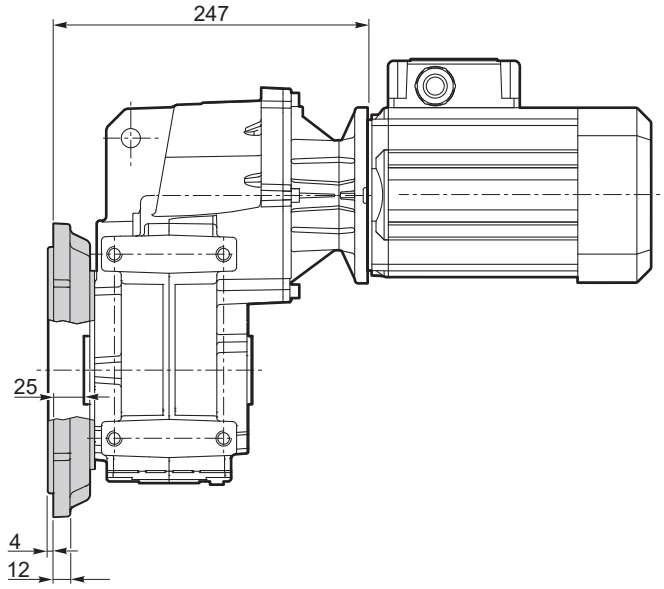
ATS 913 U..



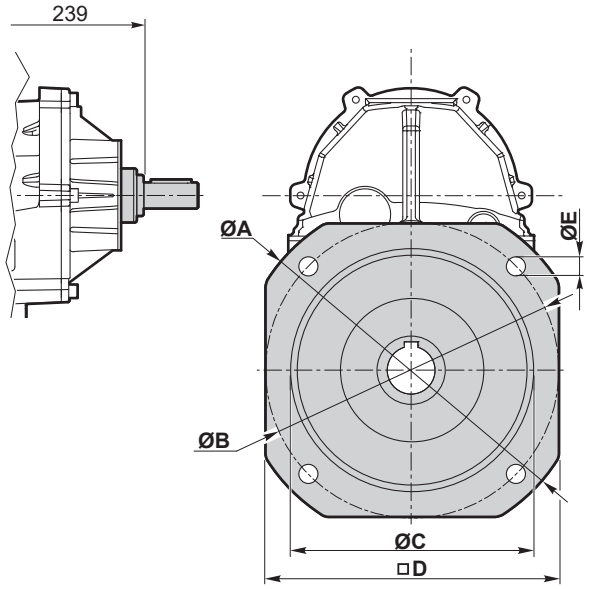
ATSIS 913 U..



ATS 913 F..



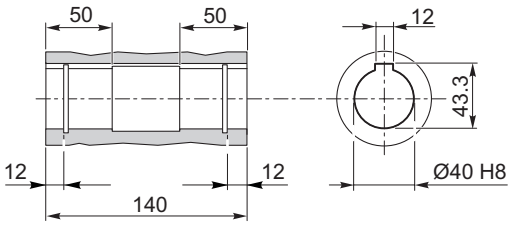
ATSIS 913 F..



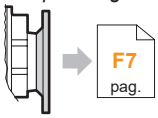
Versione **F** / ***F** Version*							
ATS ATSIS	**ØA**	**ØB**	**ØC f7**	**□D**	**ØE**	**Flangia / *Flange***	
						Tipo / *Type*	Peso / *Weight* [kg]
913	200	165	130	165	11	**F200**	2
	250	215	180	215	14	**F250**	3.2

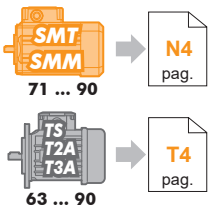
ATS 913.. D40 - ATSIS 913.. D40

Albero uscita cavo
Hollow output shaft



Flangia entrata
Input flange



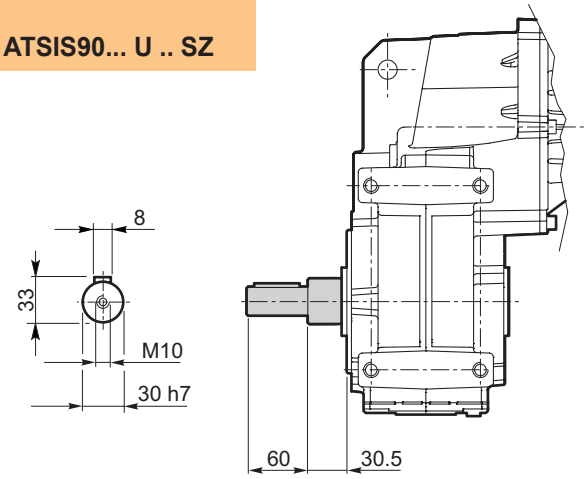


Accessori / *Accessories*

Albero lento semplice / *Single output shaft*

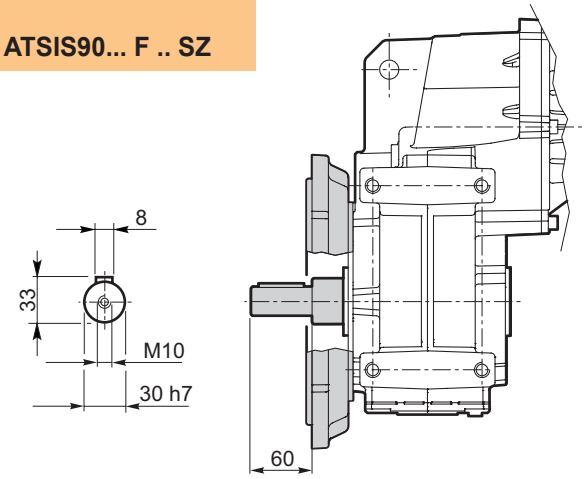
ATS90... U .. SZ

ATSIS90... U .. SZ



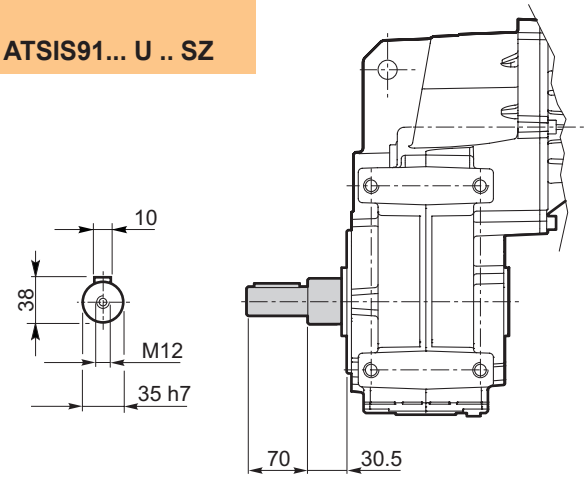
ATS90... F .. SZ

ATSIS90... F .. SZ



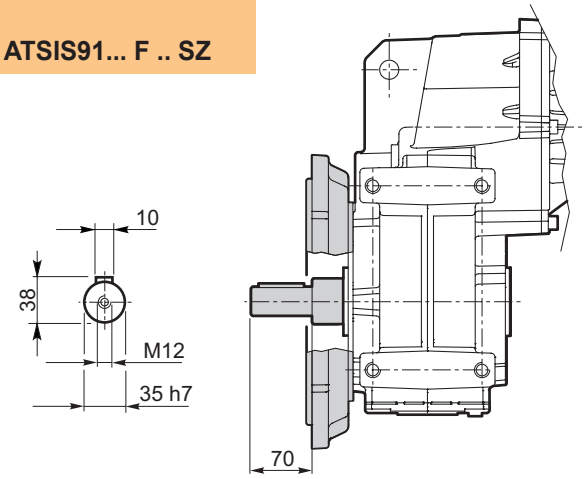
ATS91... U .. SZ

ATSIS91... U .. SZ



ATS91... F .. SZ

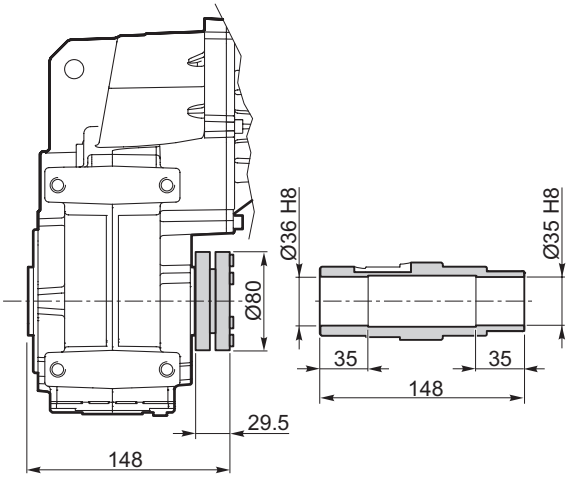
ATSIS91... F .. SZ



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

ATS90... U .. G35

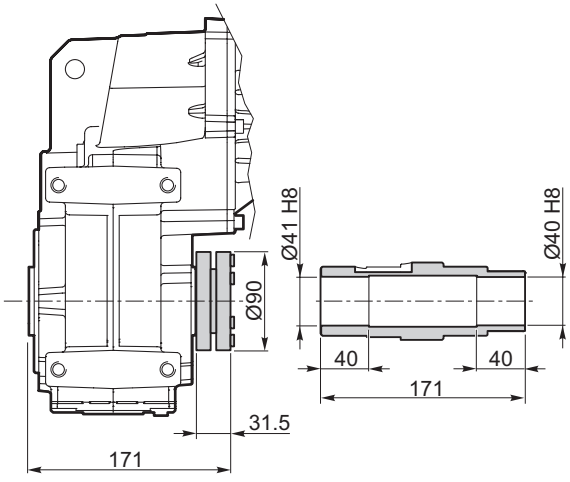
ATSIS90... U .. G35



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

ATS91... U .. G40

ATSIS91... U .. G40

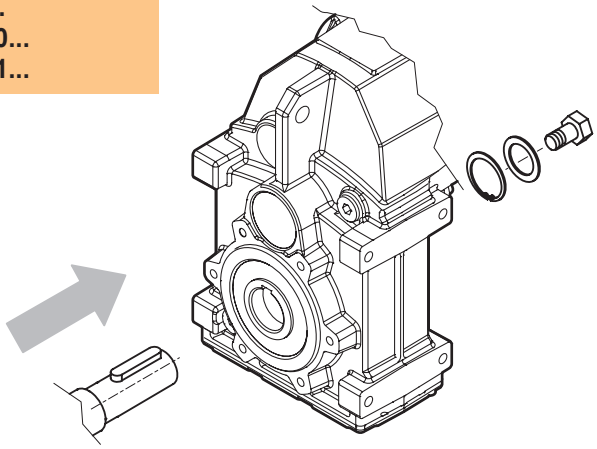


Output shaft kit with shrink disk available on request:
for assembly instructions please contact our Technical Service

Accessori — *Accessories*

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

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

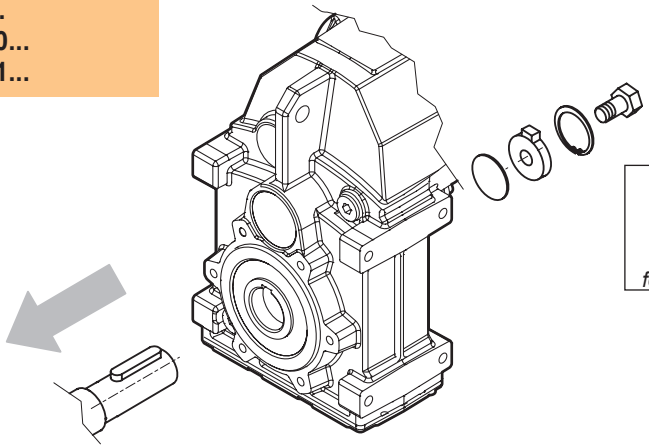


Kit di montaggio albero uscita disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

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...

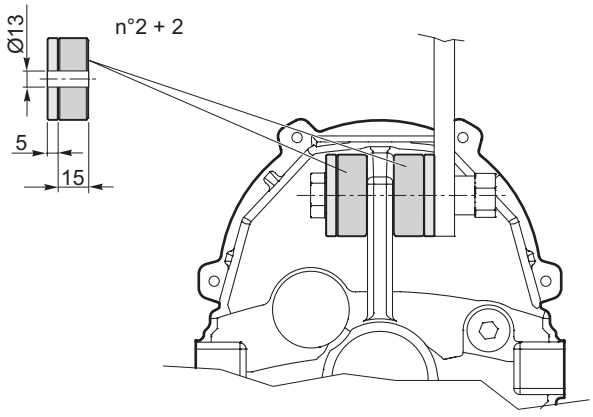


Kit di smontaggio albero uscita disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

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

Note/*Notes*

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