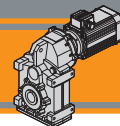




Motoriduttori pendolari  
**Helical parallel gearmotors**



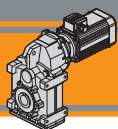




<b>Indice</b>	<b>Index</b>	Pag. Page
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Designazione	<i>Classification</i>	<b>F2</b>
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Lubrificazione	<i>Lubrication</i>	<b>F4</b>
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## Caratteristiche 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.

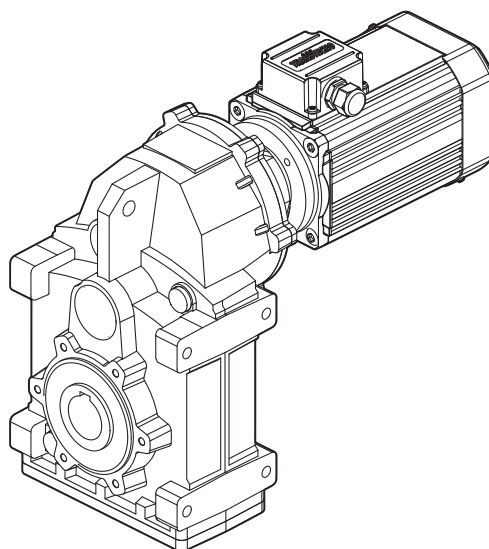
*The high degree of modularity is a design feature of ATS helical parallel range. It is possible to set up the version required by using input and output kits.*

Caratteristiche comuni a tutta la serie:

*The main features of ATS range are:*


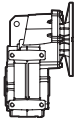
- Carcasa e flangia PAM in pressofusione di alluminio
- Lubrificazione permanente con olio sintetico.
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati.
- Flange di uscita in ghisa.

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

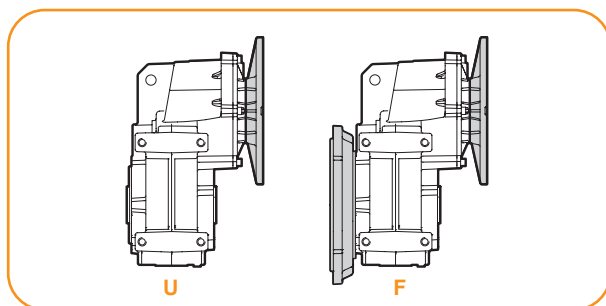


## Designazione

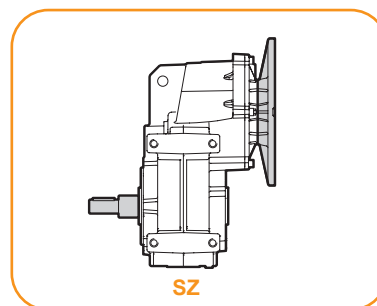
## Classification

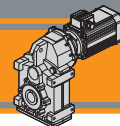
RIDUTTORE / GEARBOX								
ATS	90	2	U	29.65	D35	90	B5	SZ
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero cavo uscita Hollow output shaft	IEC 	Forma costruttiva Version	Albero uscita maschio Solid output shaft
 ATS	90 91	2 3	U... F...	vedi tabelle see tables	vedi tabelle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

Versione Riduttore  
Gearbox Version



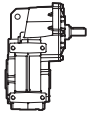
Albero di uscita  
Output shaft



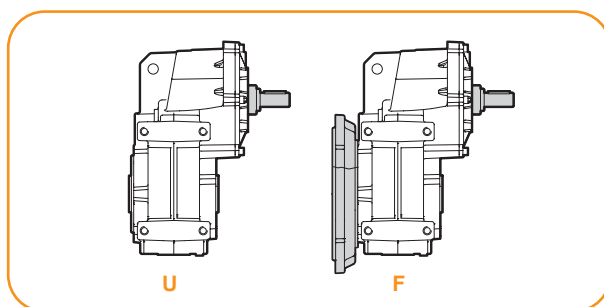


## Designazione

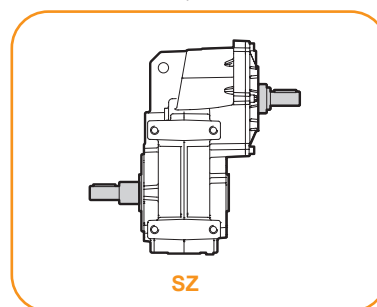
## Classification

RIDUTTORE / GEARBOX						
AT SIS	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
<b>AT SIS</b>	<b>90</b> <b>91</b>	<b>2</b> <b>3</b>	<b>U...</b> <b>F...</b>	vedi tabelle see tables	vedi tabelle see tables	<b>SZ</b>
						



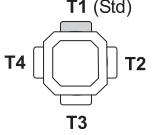
Versione Riduttore  
Gearbox Version



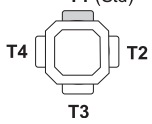



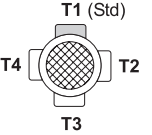
Albero di uscita  
Output shaft

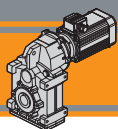


ATS

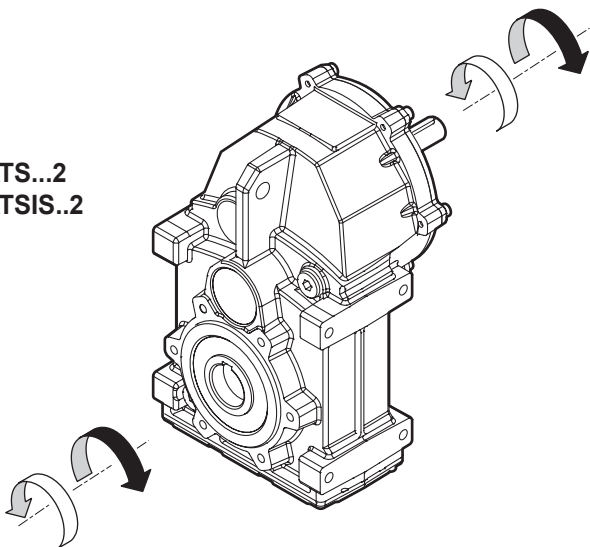
MOTORE TRIFASE / THREE PHASE MOTOR										
SMT	63	2	4	0.18 kW	B14	230-400 V	50 Hz	TEFC	BR	T1
Tipo Type	Grandezza Size	Indicativo potenza Power coefficient	Poli Poles	Potenza Power	Forma costruttiva Version	Tensione Voltage	Frequenza Frequency	Ventilazione Fan cooling	Opzioni Options	Pos. Morsettiera Terminal box pos.
<b>SMT</b>	 <b>N1</b> pag.	<b>1-2-3-4-5</b>	<b>4</b>	<b>0.04 kW</b> ... <b>2.2 kW</b>	<b>B14</b>	<b>230-400 V</b>  <b>460V</b>	<b>50Hz</b>  <b>60Hz</b>	<b>TEFC</b>  <b>TENV</b>	 <b>Q1</b> <b>P1</b> <b>Q1</b> pag.	<b>T1 (Std)</b>  <b>T4</b> <b>T2</b> <b>T3</b>

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.
<b>SMM</b>	 <b>N1</b> pag.	<b>1-2-3-4</b>	<b>4</b>	<b>0.04 kW</b> ... <b>0.75 kW</b>	<b>B14</b>	<b>230V</b>	<b>50Hz</b>	<b>TEFC</b>  <b>TENV</b>	 <b>Q1</b> pag.	<b>T1 (Std)</b>  <b>T4</b> <b>T2</b> <b>T3</b>

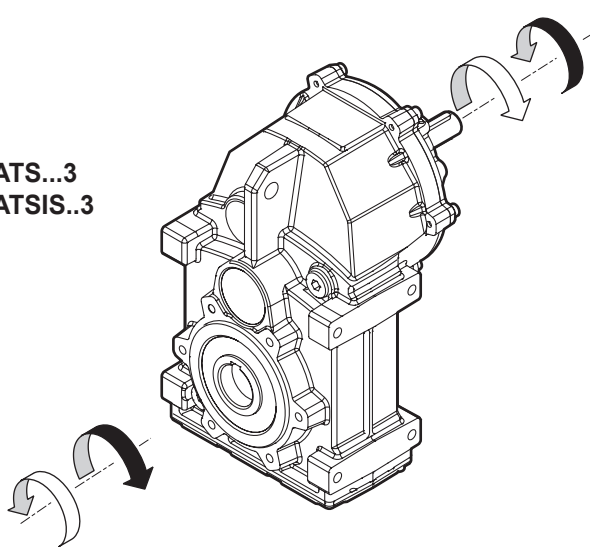
MOTORE TRIFASE / THREE PHASE MOTOR										
TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1	
Tipo Type	Grandezza Size	Indicativo potenza Power coefficient	Poli Poles	Potenza Power	Forma costruttiva Version	Fasi Phases	Tensione Voltage	Frequenza Frequency	Pos. Morsettiera Terminal box pos.	
<b>TS</b>	 <b>R1</b> pag.	<b>1-2-3-S</b> <b>L1-L2</b>	<b>4</b>	<b>0.09 kW</b> ... <b>2.2 kW</b>	<b>B5</b> <b>B14</b>	<b>3 ph</b>	<b>230-400 V</b> <b>275-480 V</b>	<b>50Hz</b> <b>60Hz</b>	 <b>T1 (Std)</b> <b>T4</b> <b>T2</b> <b>T3</b>	



ATS...2  
ATSIS..2




ATS...3  
ATSIS..3



**Simbologia**

**Symbols**

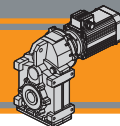
$n_1$	[min <sup>-1</sup> ]	Velocità in ingresso / <i>Input speed</i>
$n_2$	[min <sup>-1</sup> ]	Velocità in uscita / <i>Output speed</i>
$i$		Rapporto di riduzione / <i>Ratio</i>
$P_1$	[kW]	Potenza in entrata / <i>Input power</i>
$M_2$	[Nm]	Coppia nominale in uscita in funzione di $P_1$ / <i>Output torque referred to <math>P_1</math></i>
$P_{n1}$	[kW]	Potenza nominale in entrata / <i>Nominal input power</i>
$M_{n2}$	[Nm]	Coppia nominale in uscita in funzione di $P_{n1}$ / <i>Nominal output torque referred to <math>P_{n1}</math></i>
$sf$		Fattore di servizio / <i>Service factor</i>
$R_2$	[N]	Carico radiale ammissibile in uscita / <i>Permitted output radial load</i>
$A_2$	[N]	Carico assiale ammissibile in uscita / <i>Permitted output axial load</i>
	[kg]	Peso del solo riduttore / <i>Weight of the gearbox only</i>

**Lubrificazione**

**Lubrication**

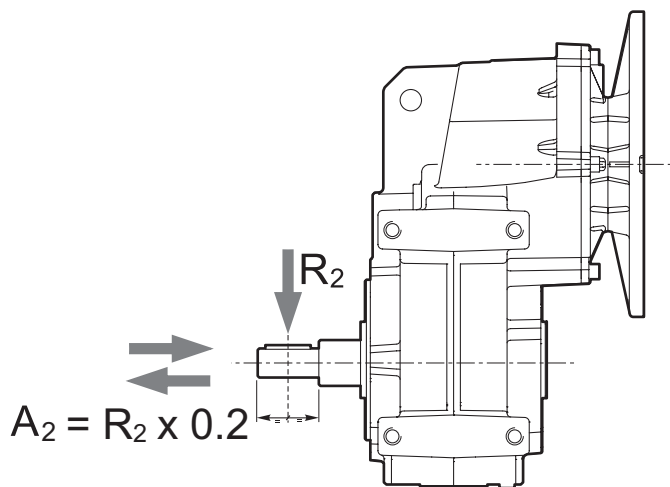
Tutti i motoriduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione.

*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**

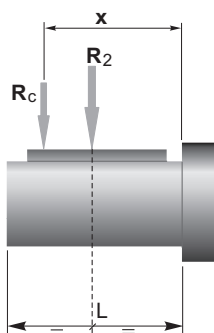
**Radial loads**



$n_2$ [min <sup>-1</sup> ]	$R_2$ [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
<b>a</b>	152	174.5
<b>b</b>	97	114.5
<b>R<sub>2MAX</sub></b>	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*

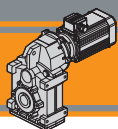
**Motori applicabili**

**Motors adapters**

ATS	SMT						SMM					TS					IEC		
	5014 5024 5034 5044	5624 5634 5444 5654	6324 6334 6344	7124 7134 7144	8024 8034	9024 9034	5014 5024 5034	5624 5634 5444	6324 6334	7124 7134	8024	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24	100L14	100LB4	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<sup>-1</sup>

## Technical data

	$n_2$ [min <sup>-1</sup> ]	$Mn_2$ [Nm]	$Pn_1$ [kW]	$i$	IEC Motori applicabili IEC Motor adapters					
					71 B5	80 B5/B14	90 B5/B14	100 B5/B14	112 B5/B14	
<b>ATSIS 902</b>										
	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		*	*	*	*

<b>ATSIS 903</b>					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.

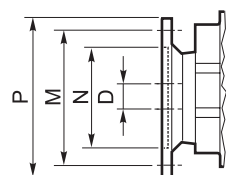
 \* = Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

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.

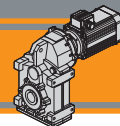
 \* = The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.

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
<b>N</b>	95	110	70	130	80	130	95	180	110
<b>M</b>	115	130	85	165	100	165	115	215	130
<b>P</b>	140	160	105	200	120	200	140	250	160
<b>D</b>	11	14		19		24		28	






## Dati tecnici

$n_1$  1400 min<sup>-1</sup>

## Technical data


	$n_2$ [min <sup>-1</sup> ]	$Mn_2$ [Nm]	$Pn_1$ [kW]	$i$	IEC Motori applicabili IEC Motor adapters					
					71 B5	80 B5/B14	90 B5/B14	100 B5/B14	112 B5/B14	
<b>ATSIS 912</b>										
	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	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			*		*


<b>ATSIS913</b>				
	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

63 B5	71 B5/B14	80 B5/B14	90 B5/B14
			*
			*
			*
			*
			*
			*
		*	*
		*	*
		*	*
		*	*
		*	*

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

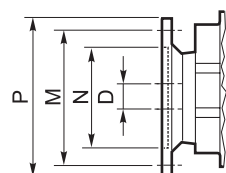
N.B.  
Highlighted areas indicate motor inputs available on each size of unit.  
**B** = Metal shaft sleeve.

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

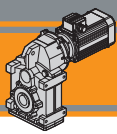
 \* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

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

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
<b>N</b>	95	110	70	130	80	130	95	180	110
<b>M</b>	115	130	85	165	100	165	115	215	130
<b>P</b>	140	160	105	200	120	200	140	250	160
<b>D</b>	11	14		19		24		28	



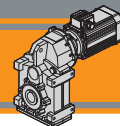
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## Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		
<b>0.12</b>						<b>0.25</b>						
<b>TS6314</b>  (1400 min <sup>-1</sup> )	<b>14</b>	77	5.2	100.33	<b>ATS903</b>	<b>TS7114</b>  Solo / Only (1400 min <sup>-1</sup> )	<b>239</b>	10	20.8	5.87	<b>ATS902</b>	
	<b>11</b>	97	4.1	125.89			<b>178</b>	13	19.4	7.87		
	<b>11</b>	101	3.9	131.65			<b>148</b>	16	19.3	9.47		
	<b>10</b>	108	3.7	139.88			<b>121</b>	19	18.5	11.53		
	<b>9.3</b>	116	3.4	151.07			<b>106</b>	22	16.1	13.26		
	<b>8.4</b>	128	3.1	166.13			<b>89</b>	26	13.6	15.68		
	<b>8.1</b>	133	3.0	172.40			<b>84</b>	27	12.8	16.68		
	<b>6.7</b>	160	2.5	208.45			<b>73</b>	31	12.8	19.09		
	<b>6.3</b>	172	2.3	223.41			<b>64</b>	36	11.1	21.96		
	<b>5.6</b>	192	2.1	250.14			<b>53</b>	43	9.2	26.50		
	<b>4.3</b>	249	1.6	323.65			<b>51</b>	45	8.8	27.61		
	<b>4.1</b>	266	1.5	345.59			<b>47</b>	49	8.2	29.65		
	<b>3.7</b>	289	1.4	376.15			<b>42</b>	55	7.3	33.49		
	<b>3.3</b>	326	1.2	424.21			<b>39</b>	59	6.8	35.87		
	<b>6.9</b>	157	3.8	203.55	<b>ATS913</b>	<b>37</b>	61	6.5	38.29			
	<b>6.1</b>	175	3.4	227.91		<b>32</b>	70	5.7	43.88			
	<b>4.7</b>	227	2.6	294.88		<b>29</b>	79	5.1	49.09			
	<b>4.4</b>	242	2.5	314.87		<b>27</b>	84	4.1	52.71			
	<b>4.1</b>	264	2.3	342.72		<b>25</b>	89	4.5	55.45			
	<b>4.1</b>	264	2.3	342.72		<b>22</b>	102	3.9	63.41			
	<b>3.6</b>	297	2.0	386.51		<b>19</b>	118	3.4	73.64			
						<b>16</b>	140	2.9	87.27			
<b>0.18</b>						<b>0.25</b>						
<b>TS6324</b>  Solo / Only (1400 min <sup>-1</sup> )	<b>14</b>	116	3.5	100.33	<b>ATS903</b>	<b>TS6334</b>  Solo / Only TS7114 (1400 min <sup>-1</sup> )	<b>14</b>	161	2.5	100.33	<b>ATS903</b>	
	<b>11</b>	145	2.8	125.89			<b>11</b>	202	2.0	125.89		
	<b>11</b>	152	2.6	131.65			<b>11</b>	211	1.9	131.65		
	<b>10</b>	161	2.5	139.88			<b>10</b>	224	1.8	139.88		
	<b>9.3</b>	174	2.3	151.07			<b>9.3</b>	242	1.7	151.07		
	<b>8.4</b>	192	2.1	166.13			<b>8.4</b>	266	1.5	166.13		
	<b>8.1</b>	199	2.0	172.40			<b>8.1</b>	276	1.4	172.40		
	<b>6.7</b>	241	1.7	208.45			<b>6.7</b>	334	1.2	208.45		
	<b>6.3</b>	258	1.6	223.41			<b>6.3</b>	358	1.1	223.41		
	<b>5.6</b>	289	1.4	250.14			<b>5.6</b>	401	1.0	250.14		
	<b>4.3</b>	374	1.1	323.65								
	<b>4.1</b>	399	1.0	345.59			<b>14</b>	163	3.7	101.41		<b>ATS913</b>
	<b>3.7</b>	434	0.9	376.15			<b>11</b>	197	3.1	122.61		
	<b>3.3</b>	490	0.8	424.21			<b>11</b>	211	2.8	131.41		
	<b>9.5</b>	170	3.5	147.13	<b>ATS913</b>	<b>9.5</b>	236	2.5	147.13			
	<b>8.9</b>	181	3.3	157.08		<b>8.9</b>	252	2.4	157.08			
	<b>7.4</b>	219	2.7	189.92		<b>7.4</b>	304	2.0	189.92			
	<b>6.9</b>	235	2.6	203.55		<b>6.9</b>	326	1.8	203.55			
	<b>6.1</b>	263	2.3	227.91		<b>6.1</b>	365	1.6	227.91			
	<b>4.7</b>	340	1.8	294.88		<b>4.7</b>	473	1.3	294.88			
	<b>4.4</b>	363	1.7	314.87		<b>4.4</b>	505	1.2	314.87			
	<b>4.1</b>	396	1.5	342.72		<b>4.1</b>	549	1.1	342.72			
	<b>3.6</b>	446	1.3	386.51		<b>3.6</b>	620	1.0	386.51			













Motori Motors	TS	
	6314 6324 6334	7114
<b>IEC</b>	<b>63 B5</b>	<b>71 B5 / B14</b>



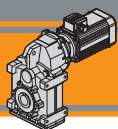
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## Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		
<b>0.37</b>						<b>0.55</b>						
<b>TS7124</b>  Solo / Only (1400 min <sup>-1</sup> )	<b>239</b>	14	14.1	5.87	<b>ATS902</b>	<b>TS7134</b>  Solo / Only (1400 min <sup>-1</sup> )	<b>239</b>	21	9.5	5.87	<b>ATS902</b>	
	<b>178</b>	19	13.1	7.87				<b>178</b>	28	8.8		7.87
	<b>148</b>	23	13.1	9.47				<b>148</b>	34	8.8		9.47
	<b>121</b>	28	12.5	11.53				<b>121</b>	42	8.4		11.53
	<b>106</b>	32	10.9	13.26			<b>TS8014</b> (1400 min <sup>-1</sup> )	<b>106</b>	48	7.3		13.26
	<b>89</b>	38	9.2	15.68				<b>89</b>	56	6.2		15.68
	<b>84</b>	40	8.7	16.68				<b>84</b>	60	5.8		16.68
	<b>73</b>	46	8.6	19.09				<b>73</b>	69	5.8		19.09
	<b>64</b>	53	7.5	21.96				<b>64</b>	79	5.1		21.96
	<b>53</b>	64	6.2	26.50				<b>53</b>	95	4.2		26.50
	<b>51</b>	67	6.0	27.61				<b>51</b>	99	4.0		27.61
	<b>47</b>	72	5.6	29.65				<b>47</b>	107	3.7		29.65
	<b>42</b>	81	4.9	33.49				<b>42</b>	121	3.3		33.49
	<b>39</b>	87	4.6	35.87				<b>39</b>	129	3.1		35.87
	<b>37</b>	91	4.4	38.29				<b>37</b>	135	3.0		38.29
	<b>32</b>	104	3.8	43.88				<b>32</b>	155	2.6		43.88
	<b>29</b>	116	3.4	49.09			<b>29</b>	173	2.3	49.09		
	<b>27</b>	125	2.8	52.71			<b>27</b>	186	1.9	52.71		
	<b>25</b>	132	3.0	55.45			<b>25</b>	196	2.0	55.45		
	<b>22</b>	150	2.7	63.41			<b>22</b>	224	1.8	63.41		
	<b>19</b>	175	2.3	73.64			<b>19</b>	260	1.5	73.64		
	<b>16</b>	207	1.9	87.27			<b>16</b>	308	1.3	87.27		
<b>SMT7124</b> <b>SMM7124</b> (1400 min <sup>-1</sup> ) 	<b>14</b>	238	1.7	100.33	<b>ATS903</b>	<b>SMT7134</b> <b>SMM7134</b> (1400 min <sup>-1</sup> ) 	<b>14</b>	354	1.1	100.33	<b>ATS903</b>	
	<b>11</b>	299	1.3	125.89				<b>11</b>	444	0.9		125.89
	<b>11</b>	312	1.3	131.65				<b>11</b>	464	0.9		131.65
	<b>10</b>	332	1.2	139.88				<b>10</b>	493	0.8		139.88
	<b>9.3</b>	358	1.1	151.07								
<b>TS7124</b> (1400 min <sup>-1</sup> )	<b>8.4</b>	394	1.0	166.13		<b>TS7134</b> <b>TS8014</b> (1400 min <sup>-1</sup> )						
	<b>8.1</b>	409	1.0	172.40								
<b>TS7124</b>  Solo / Only (1400 min <sup>-1</sup> )	<b>24</b>	137	4.4	57.77	<b>ATS912</b>	<b>TS7134</b>  Solo / Only (1400 min <sup>-1</sup> )	<b>31</b>	158	3.8	44.73	<b>ATS912</b>	
	<b>21</b>	159	3.8	67.09				<b>28</b>	178	3.4		50.53
	<b>18</b>	189	2.8	79.52				<b>24</b>	204	2.9		57.77
						<b>TS8014</b> (1400 min <sup>-1</sup> )	<b>21</b>	237	2.5	67.09		
							<b>18</b>	280	1.9	79.52		
<b>SMT7124</b> <b>SMM7124</b> (1400 min <sup>-1</sup> ) 	<b>17</b>	195	3.1	82.28	<b>ATS913</b>	<b>SMT7134</b> <b>SMM7134</b> (1400 min <sup>-1</sup> ) 	<b>17</b>	290	2.1	82.28	<b>ATS913</b>	
	<b>15</b>	223	2.7	93.96				<b>15</b>	331	1.8		93.96
	<b>14</b>	241	2.5	101.41				<b>14</b>	358	1.7		101.41
	<b>11</b>	291	2.1	122.61				<b>11</b>	432	1.4		122.61
	<b>11</b>	312	1.9	131.41				<b>11</b>	463	1.3		131.41
	<b>9.5</b>	349	1.7	147.13				<b>11</b>	463	1.3		131.41
	<b>9.5</b>	349	1.7	147.13				<b>9.5</b>	519	1.2		147.13
	<b>8.9</b>	373	1.6	157.08				<b>8.9</b>	554	1.1		157.08
	<b>7.4</b>	451	1.3	189.92			<b>TS7134</b> <b>TS8014</b> (1400 min <sup>-1</sup> )	<b>7.4</b>	670	0.9		189.92
	<b>6.9</b>	483	1.2	203.55				<b>6.9</b>	718	0.8		203.55
	<b>6.1</b>	541	1.1	227.91								
	<b>4.7</b>	700	0.9	294.88								









Motori Motors	SMT	SMM	TS	
		7124 7134	7124 7134	7124 7134
<b>IEC</b>	<b>71 B14</b>	<b>71 B14</b>	<b>71 B5 / B14</b>	<b>80 B5 / B14</b>




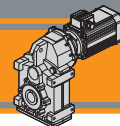
# ATS Motoriduttori pendolari Helical parallel gearmotors

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## Technical data




P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i	
<b>0.75</b>						<b>1.1</b>					
SMT7144	89	77	4.5	15.68	ATS902	SMT8034 IE3 (1400 min <sup>-1</sup> )	47	214	1.9	29.65	ATS902
SMT8024 IE3	84	82	4.3	16.68		SMT8034 IE3 (1400 min <sup>-1</sup> )	42	241	1.7	33.49	
SMM8024 (1400 min <sup>-1</sup> )	73	94	4.3	19.09		SMT8034 IE3 (1400 min <sup>-1</sup> )	39	258	1.5	35.87	
	64	108	3.7	21.96		SMT8034 IE3 (1400 min <sup>-1</sup> )	37	270	1.5	38.29	
	53	130	3.1	26.50		TS8034	32	310	1.3	43.88	
TS7144	47	146	2.9	27.61		TS90S4	29	346	1.2	49.09	
	42	164	2.4	33.49		(1400 min <sup>-1</sup> )	25	391	1.0	55.45	
Solo / Only	39	176	2.3	35.87		22	447	0.9	63.41		
TS8024	37	184	2.2	38.29		66	152	3.9	21.10	ATS912	
(1400 min <sup>-1</sup> )	32	211	1.9	43.88		56	181	3.3	25.16		
TS8024	29	236	1.7	49.09		54	186	3.2	25.81		
(1400 min <sup>-1</sup> )	27	253	1.4	52.71		48	204	2.9	28.88		
TS8024	25	267	1.5	55.45		43	231	2.6	32.69		
(1400 min <sup>-1</sup> )	22	305	1.3	63.41		38	263	2.0	37.30		
TS8024	19	354	1.1	73.64		35	282	2.1	39.98	ATS913	
(1400 min <sup>-1</sup> )	16	420	1.0	87.27		31	315	1.9	44.73		
TS8024	43	157	3.8	32.69		28	356	1.7	50.53		
(1400 min <sup>-1</sup> )	38	179	2.9	37.30		24	407	1.5	57.77		
TS8024	35	192	3.1	39.98	21	473	1.3	67.09			
(1400 min <sup>-1</sup> )	31	215	2.8	44.73	17	580	1.0	82.28			
TS8024	28	243	2.5	50.53	15	663	0.9	93.96			
(1400 min <sup>-1</sup> )	24	278	2.2	57.77	<b>1.5</b>						
TS8024	21	323	1.9	67.09	SMT9024 IE3 (1400 min <sup>-1</sup> )	239	58	3.5	5.87	ATS902	
(1400 min <sup>-1</sup> )	18	382	1.4	79.52	SMT9024 IE3 (1400 min <sup>-1</sup> )	178	77	3.2	7.87		
SMM8024 (1400 min <sup>-1</sup> )	17	396	1.5	82.28	SMT9024 IE3 (1400 min <sup>-1</sup> )	148	93	3.2	9.47		
	15	452	1.3	93.96	SMT9024 IE3 (1400 min <sup>-1</sup> )	121	113	3.1	11.53		
TS7144	14	488	1.2	101.41	SMT9024 IE3 (1400 min <sup>-1</sup> )	106	130	2.7	13.26		
TS8024	11	590	1.0	122.61	TS90L14	89	154	2.3	15.68		
(1400 min <sup>-1</sup> )	11	632	0.9	131.41	TS90L14 (1400 min <sup>-1</sup> )	84	164	2.1	16.68		
TS7144						73	188	2.1	19.09		ATS912
TS8024						64	216	1.9	21.96		
(1400 min <sup>-1</sup> )						53	260	1.5	26.50		
TS8024						51	271	1.5	27.61		
(1400 min <sup>-1</sup> )						47	291	1.4	29.65		
TS8024						42	329	1.2	33.49		
(1400 min <sup>-1</sup> )						39	352	1.1	35.87		
TS8024						37	368	1.1	38.29		
(1400 min <sup>-1</sup> )						32	422	0.9	43.88		
TS8024						108	127	3.9	12.92		
(1400 min <sup>-1</sup> )						98	140	3.6	14.29		
TS8024						86	160	3.1	16.24		
(1400 min <sup>-1</sup> )						80	171	2.9	17.39		
TS8024						70	197	3.1	20.01		
(1400 min <sup>-1</sup> )						66	207	2.9	21.10		
TS8024						56	247	2.4	25.16		
(1400 min <sup>-1</sup> )						56	247	2.4	25.16		

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



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## Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i		
<b>1.5</b>						<b>3.0</b>						
<b>SMT9024 IE3</b> (1400 min <sup>-1</sup> )  <b>TS90L14</b> (1400 min <sup>-1</sup> )	<b>54</b>	254	2.4	25.81	<b>ATS912</b>	<b>100LB4</b> (1400 min <sup>-1</sup> )	<b>239</b>	115	1.7	5.87	<b>ATS902</b>	
	<b>48</b>	278	2.2	28.88			<b>178</b>	155	1.6	7.87		
	<b>43</b>	314	1.9	32.69			<b>148</b>	186	1.6	9.47		
	<b>38</b>	359	1.4	37.30			<b>121</b>	227	1.5	11.53		
	<b>35</b>	385	1.6	39.98			<b>106</b>	261	1.3	13.26		
<b>TS90L24</b> <b>TS100L14</b> (1400 min <sup>-1</sup> )	<b>31</b>	430	1.4	44.73	<b>ATS912</b>	<b>89</b>	308	1.1	15.68	<b>ATS912</b>		
	<b>28</b>	486	1.2	50.53		<b>84</b>	328	1.1	16.68			
	<b>24</b>	556	1.1	57.77		<b>73</b>	375	1.1	19.09			
	<b>21</b>	645	0.9	67.09		<b>64</b>	431	0.9	21.96			
	<b>239</b>	85	2.4	5.87		<b>ATS902</b>	<b>245</b>	112	3.1		5.71	<b>ATS912</b>
	<b>178</b>	113	2.2	7.87			<b>183</b>	151	2.3		7.66	
	<b>148</b>	136	2.2	9.47			<b>158</b>	174	2.3		8.85	
	<b>121</b>	166	2.1	11.53			<b>152</b>	181	2.2		9.22	
	<b>106</b>	191	1.8	13.26			<b>125</b>	221	1.8		11.23	
	<b>89</b>	226	1.5	15.68			<b>118</b>	233	1.7		11.87	
<b>84</b>	240	1.5	16.68	<b>108</b>	254		2.0	12.92				
<b>73</b>	275	1.5	19.09	<b>98</b>	281		1.8	14.29				
<b>64</b>	316	1.3	21.96	<b>86</b>	319		1.6	16.24				
<b>53</b>	382	1.0	26.50	<b>80</b>	342		1.5	17.39				
<b>51</b>	398	1.0	27.61	<b>70</b>	393	1.5	20.01					
<b>47</b>	427	0.9	29.65	<b>66</b>	415	1.4	21.10					
<b>245</b>	82	4.3	5.71	<b>ATS912</b>	<b>56</b>	494	1.2	25.16	<b>ATS912</b>			
<b>183</b>	110	3.2	7.66		<b>54</b>	507	1.2	25.81				
<b>158</b>	128	3.1	8.85		<b>48</b>	555	1.1	28.88				
<b>152</b>	133	3.0	9.22		<b>43</b>	629	1.0	32.69				
<b>125</b>	162	2.5	11.23		<b>4.0</b>							
<b>118</b>	171	2.3	11.87		<b>112M4</b> (1400 min <sup>-1</sup> )	<b>239</b>	154	1.3		5.87	<b>ATS902</b>	
<b>108</b>	186	2.7	12.92		<b>178</b>	206	1.2	7.87				
<b>98</b>	206	2.4	14.29		<b>148</b>	248	1.2	9.47				
<b>86</b>	234	2.1	16.24		<b>121</b>	302	1.2	11.53				
<b>80</b>	251	2.0	17.39		<b>106</b>	347	1.0	13.26				
<b>70</b>	288	2.1	20.01	<b>89</b>	411	0.9	15.68	<b>ATS912</b>				
<b>66</b>	304	2.0	21.10	<b>245</b>	150	2.3	5.71					
<b>56</b>	362	1.7	25.16	<b>183</b>	201	1.7	7.66					
<b>54</b>	372	1.6	25.81	<b>158</b>	232	1.7	8.85					
<b>48</b>	407	1.5	28.88	<b>152</b>	242	1.7	9.22					
<b>43</b>	461	1.3	32.69	<b>125</b>	294	1.4	11.23					
<b>35</b>	564	1.1	39.98	<b>118</b>	311	1.3	11.87					
<b>31</b>	631	1.0	44.73	<b>108</b>	338	1.5	12.92					
				<b>98</b>	374	1.3	14.29					
				<b>86</b>	425	1.2	16.24					
				<b>80</b>	456	1.1	17.39					
				<b>70</b>	524	1.1	20.01					
				<b>66</b>	553	1.1	21.10					
				<b>56</b>	659	0.9	25.16					

ATS



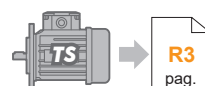
Motori Motors	SMT	TS		IEC	
	9024 9034	90L14 90L24	TS100L14	100LB4	112M4
IEC	90 B14	90 B5 / B14	100 B5 / B14	100 B5 / B14	112 B5 / B14

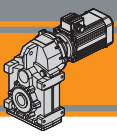
## Dati tecnici elettrici

## Electrical technical data

Si prega di consultare il paragrafo dedicato:

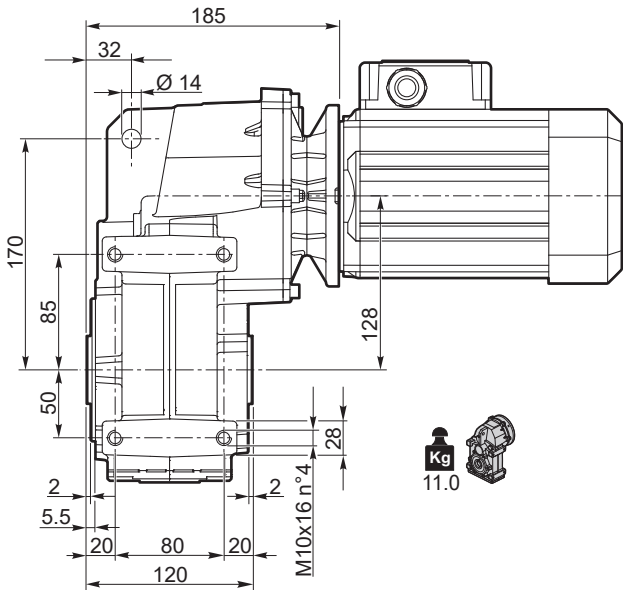
Please see the dedicated paragraph:



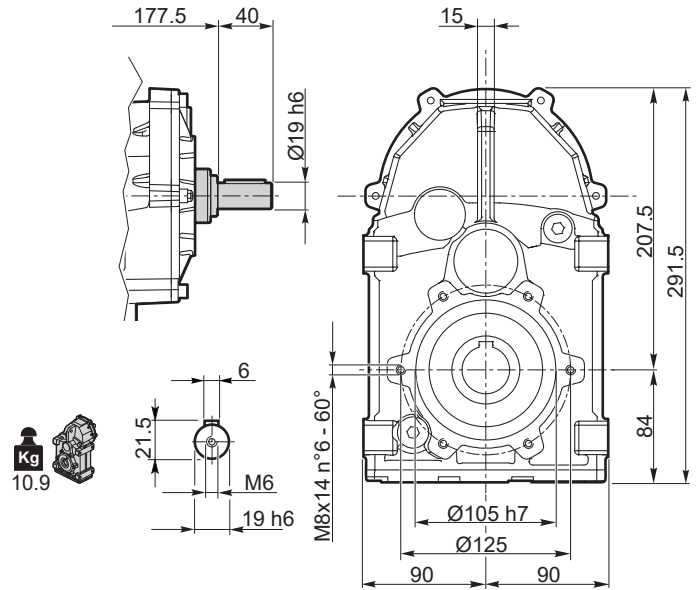


**ATS 902**

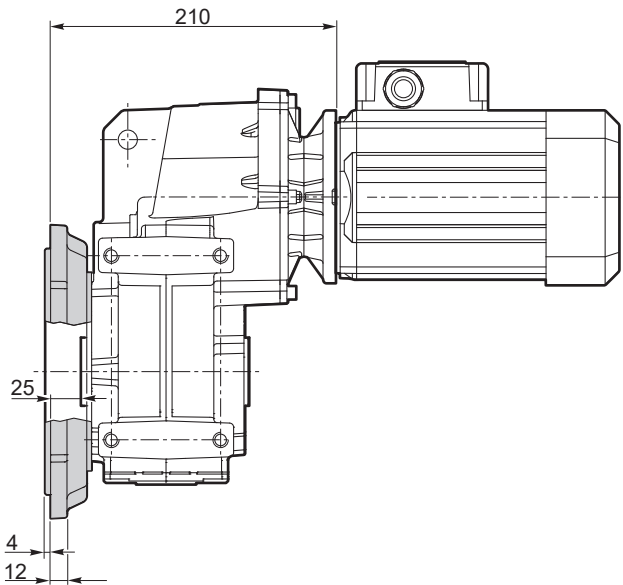
**ATS 902 U..**



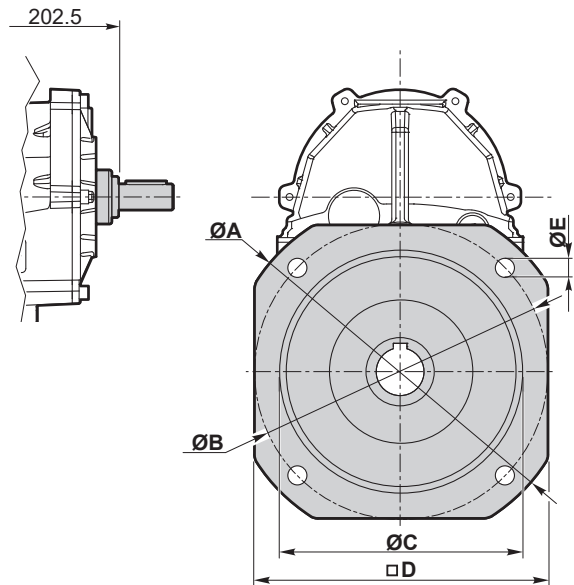
**ATSIS 902 U..**



**ATS 902 F..**

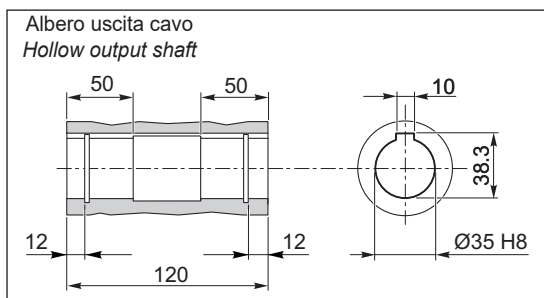


**ATSIS 902 F..**

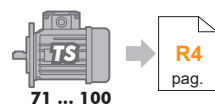


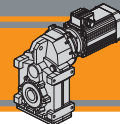
Versione F / F Version							
ATS ATSIS	ØA	ØB	ØC f7	□D	ØE	Flangia / Flange	
						Tipo / Type	Peso / Weight [kg]
902	200	165	130	165	11	F200	2
	250	215	180	215	14	F250	3.2

**ATS 902.. D35 - ATSIS 902.. D35**



Flangia entrata  
Input flange



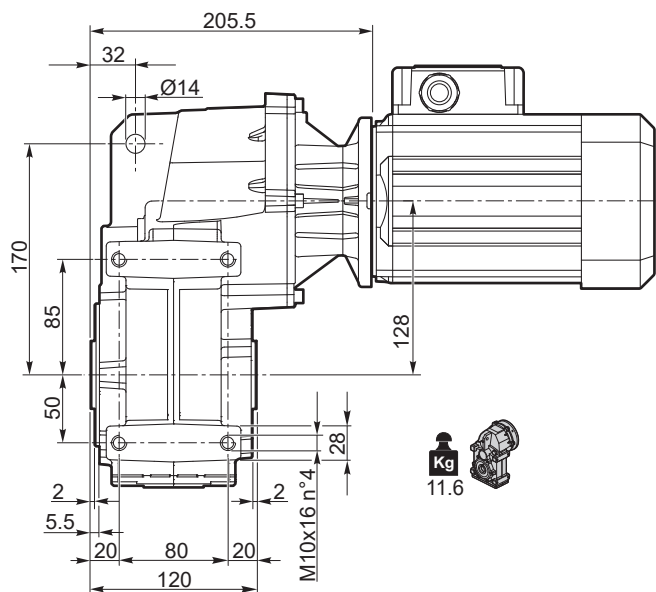


Dimensioni

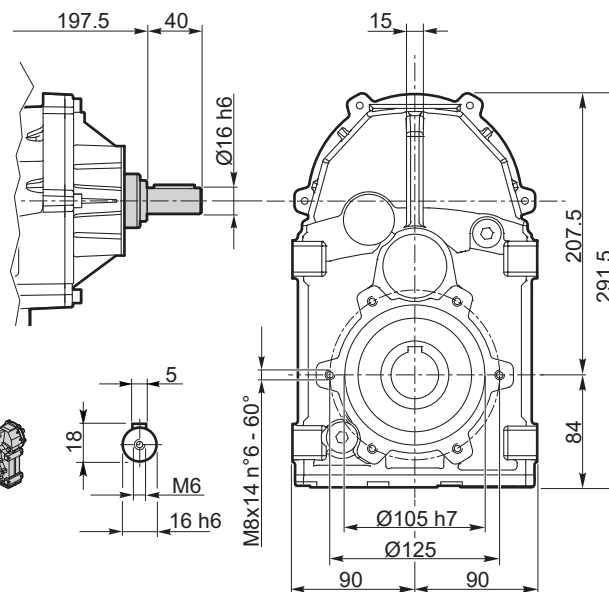
Dimensions

**ATS 903**

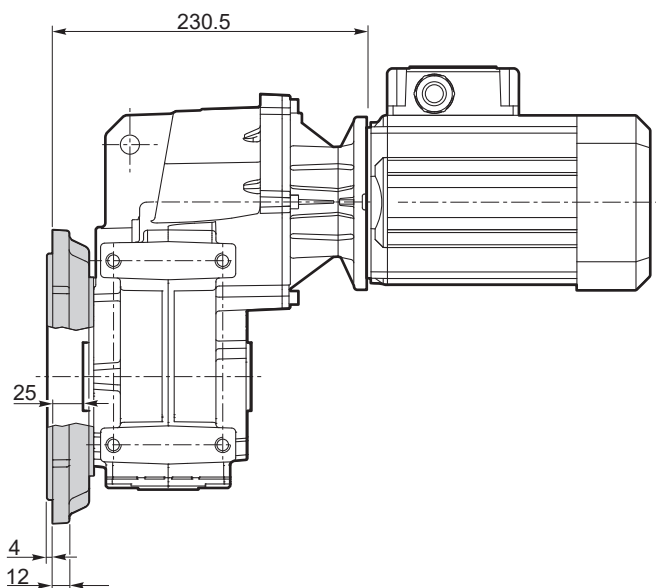
**ATS 903 U..**



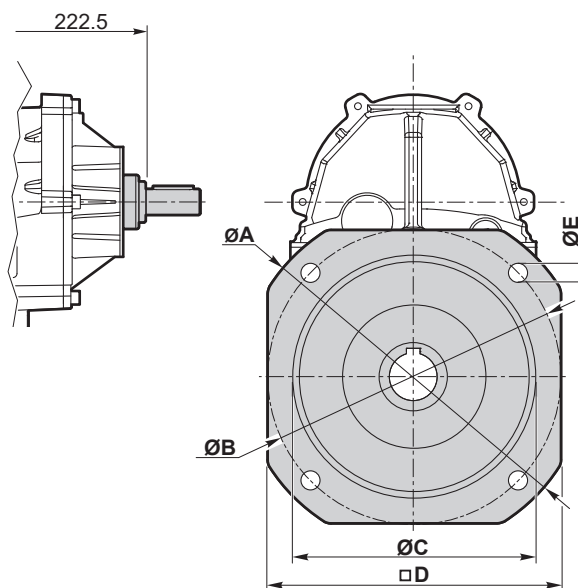
**ATSIS 903 U..**



**ATS 903 F..**

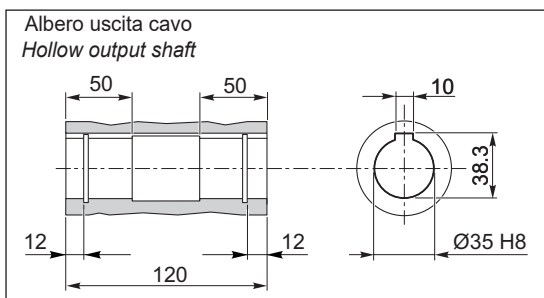


**ATSIS 903 F..**



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

**ATS 903.. D35 - ATSIS 903.. D35**



Flangia entrata  
Input flange



71 ... 90



N4  
pag.

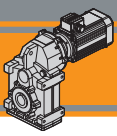


63 ... 90



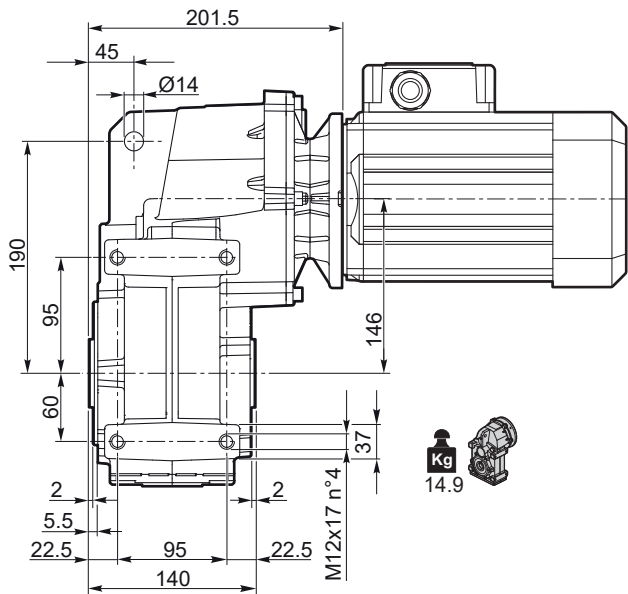
R4  
pag.

ATS

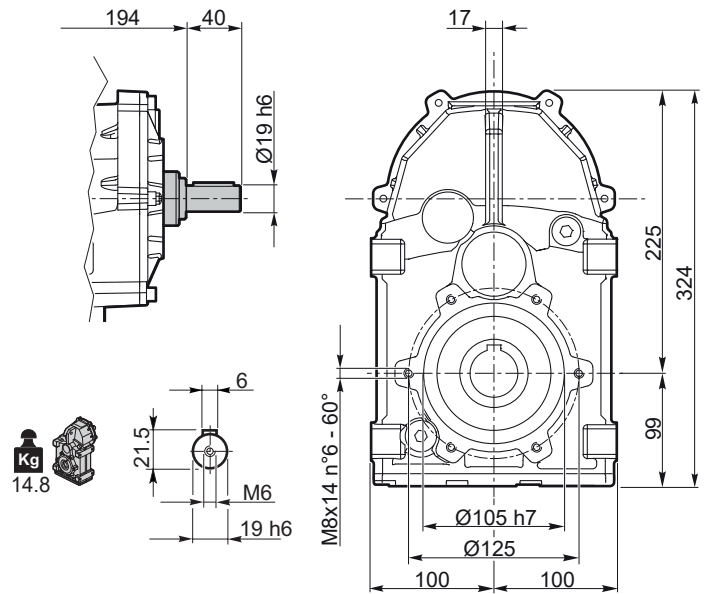


**ATS 912**

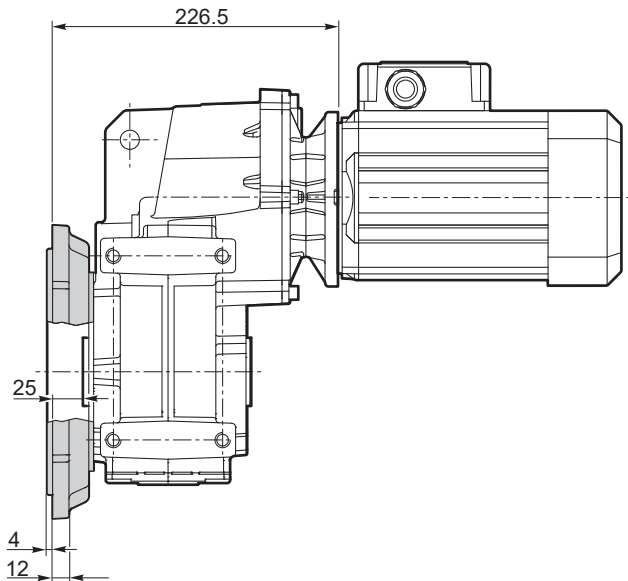
**ATS 912 U..**



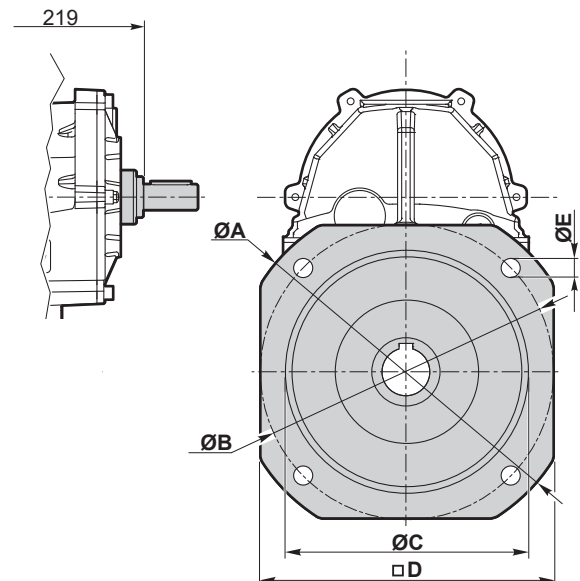
**ATSIS 912 U..**



**ATS 912 F..**

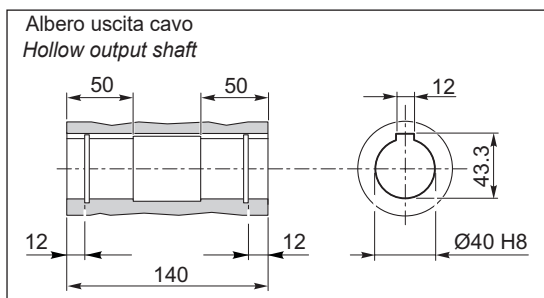


**ATSIS 912 F..**

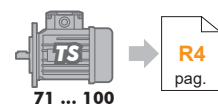


Versione F / F Version							
ATS ATSIS	ØA	ØB	ØC f7	□D	ØE	Flangia / Flange	
						Tipo / Type	Peso / Weight [kg]
912	200	165	130	165	11	F200	2
	250	215	180	215	14	F250	3.2

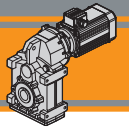
**ATS 912.. D40 - ATSIS 912.. D40**



Flangia entrata  
Input flange





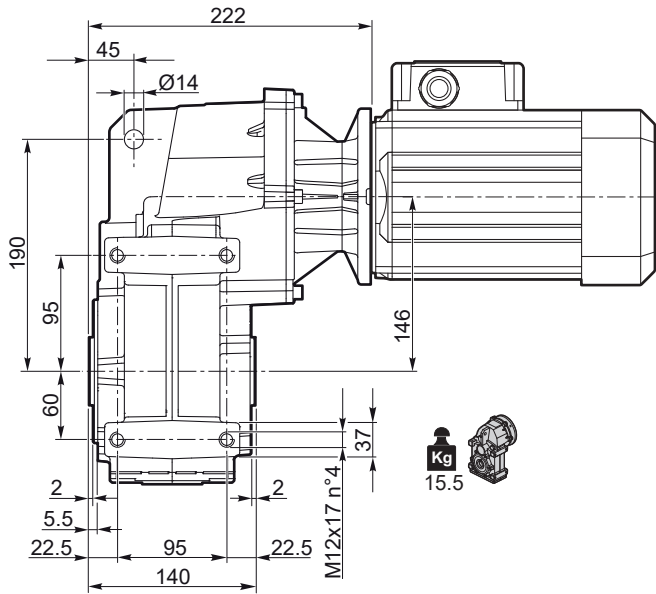


Dimensioni

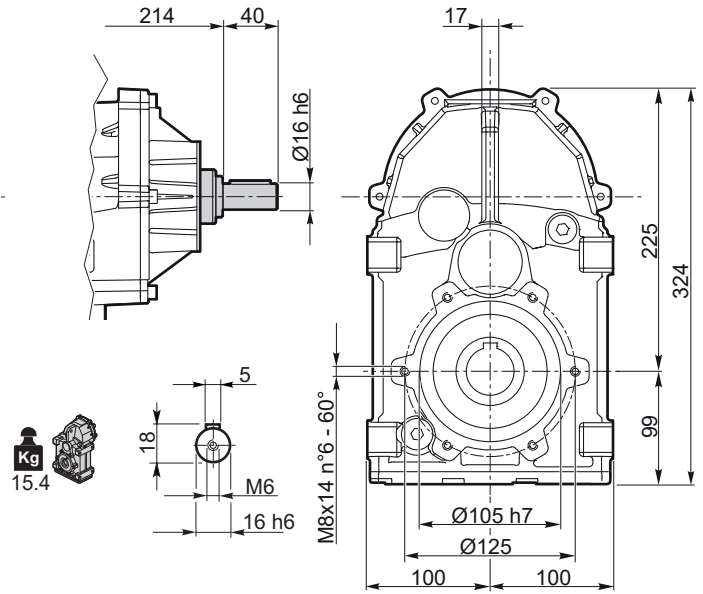
Dimensions

**ATS 913**

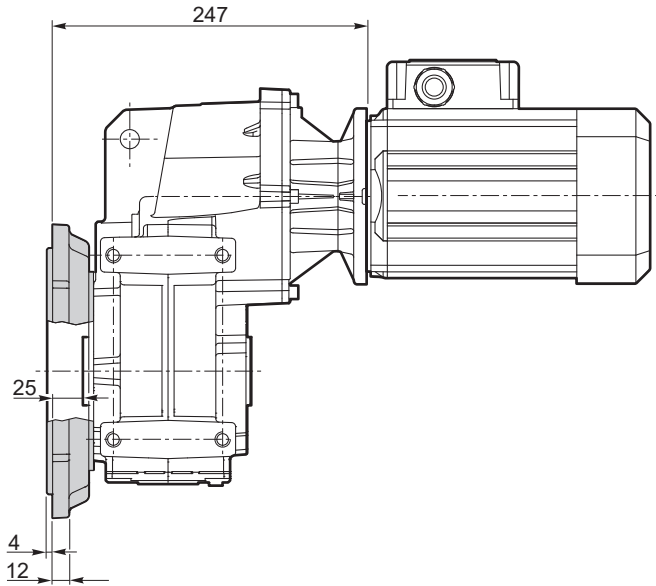
**ATS 913 U..**



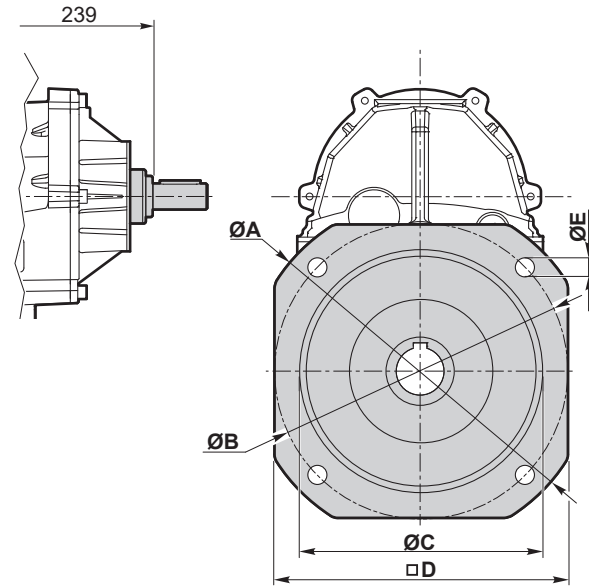
**ATSIS 913 U..**



**ATS 913 F..**

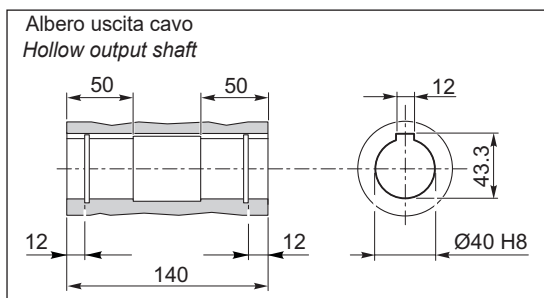


**ATSIS 913 F..**

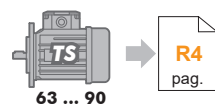


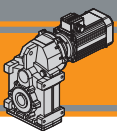
Versione F / F Version							
ATS ATSIS	$\varnothing A$	$\varnothing B$	$\varnothing C$ f7	$\square D$	$\varnothing E$	Flangia / Flange	
						Tipo / Type	Peso / Weight [kg]
913	200	165	130	165	11	F200	2
	250	215	180	215	14	F250	3.2

**ATS 913.. D40 - ATSIS 913.. D40**



Flangia entrata  
Input flange





**Accessori**

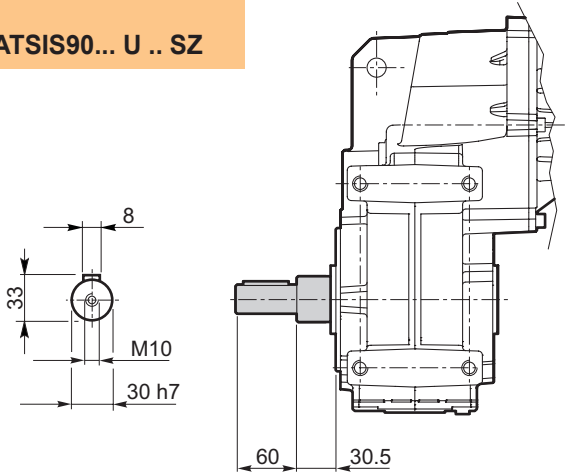
**Accessories**

**Albero lento semplice**

**Single output shaft**

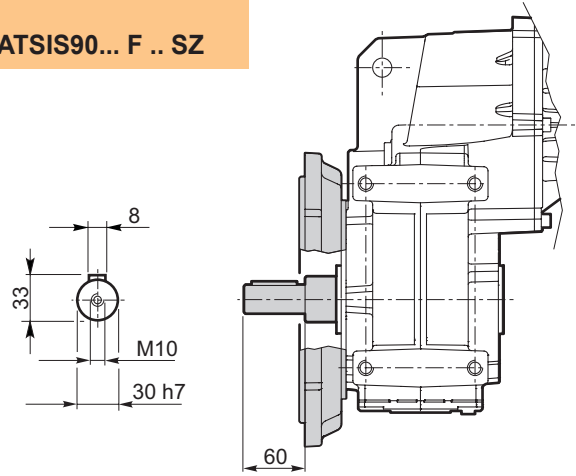
**ATS90... U .. SZ**

**ATSIS90... U .. SZ**



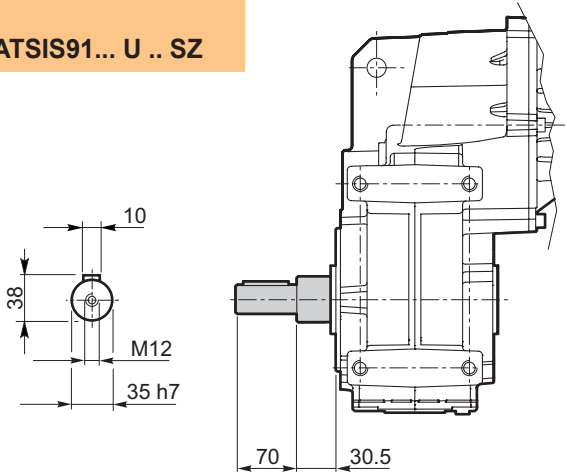
**ATS90... F .. SZ**

**ATSIS90... F .. SZ**



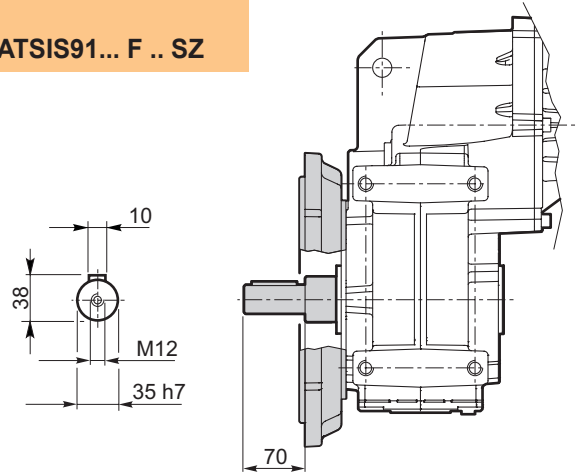
**ATS91... U .. SZ**

**ATSIS91... U .. SZ**



**ATS91... F .. SZ**

**ATSIS91... F .. SZ**

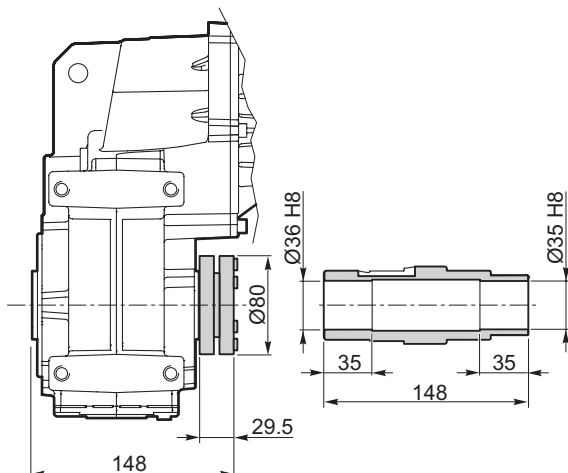


**Albero lento con calettatore**

**Output shaft with shrink disk**

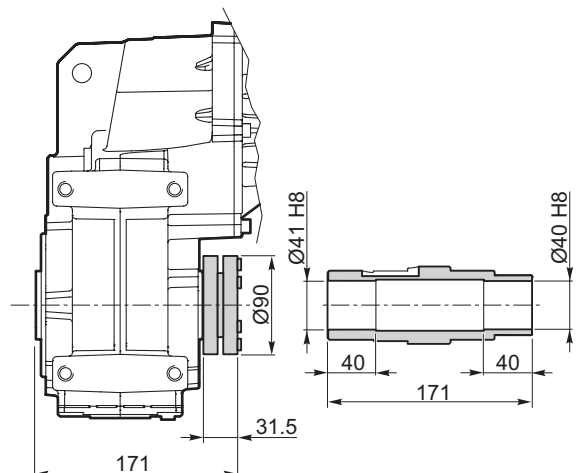
**ATS90... U .. G35**

**ATSIS90... U .. G35**



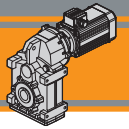
**ATS91... U .. G40**

**ATSIS91... U .. G40**



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

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



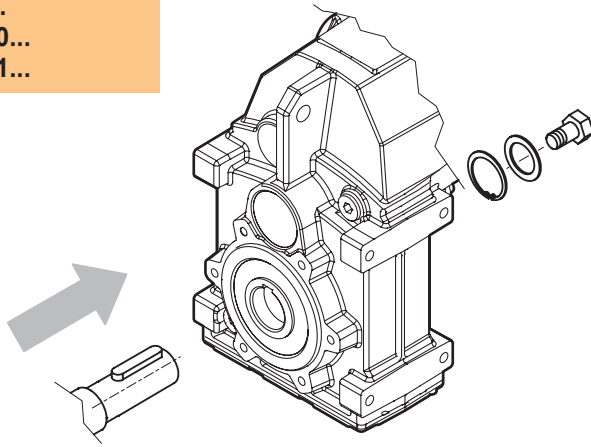
**Accessori**

**Accessories**

**Kit di montaggio albero uscita**

**Output shaft assembly kit**

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



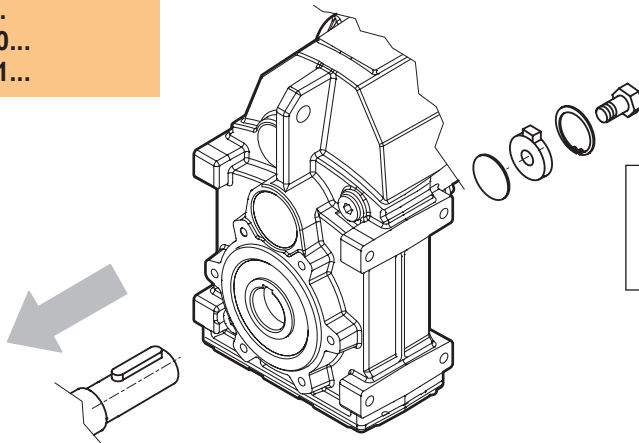
Kit di montaggio albero uscita disponibile a richiesta:  
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

*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...



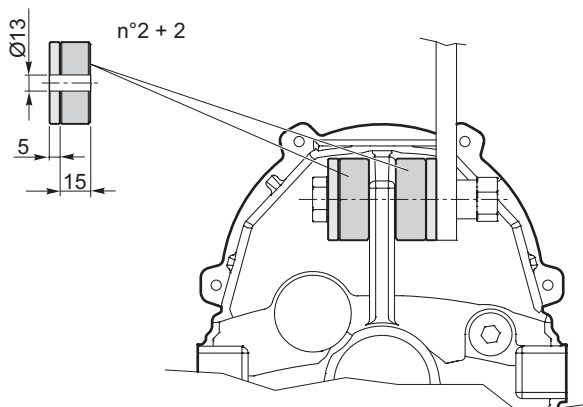
Kit di smontaggio albero uscita disponibile a richiesta:  
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

*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*

ATS



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