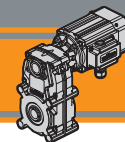




Motoriduttori pendolari  
**Helical parallel gearmotors**



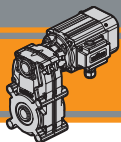




<b>Indice</b>	<b>Index</b>	Pag. Page
Caratteristiche tecniche	<i>Technical features</i>	<b>E2</b>
Designazione	<i>Classification</i>	<b>E2</b>
Sensi di rotazione	<i>Direction of rotation</i>	<b>E3</b>
Simbologia	<i>Symbols</i>	<b>E3</b>
Lubrificazione	<i>Lubrication</i>	<b>E3</b>
Carichi radiali	<i>Radial loads</i>	<b>E4</b>
Motori applicabili	<i>Motors adapters</i>	<b>E4</b>
Dati tecnici	<i>Technical data</i>	<b>E5</b>
Dimensioni	<i>Dimensions</i>	<b>E11</b>

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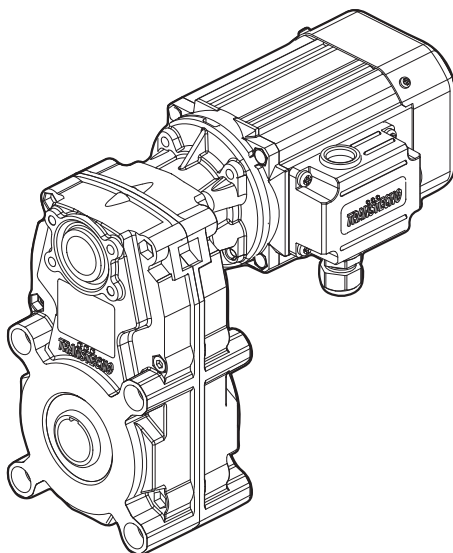
## Caratteristiche tecniche

## Technical features

I motoriduttori pendolari della serie FT hanno le seguenti caratteristiche principali:

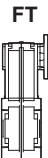

FT helical parallel gearmotors range has the following main features:




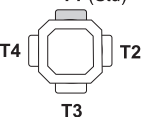
- Carcasa in pressofusione di alluminio
- Lubrificazione permanente con olio sintetico.
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati.
- Die-cast aluminium housings
- Permanent synthetic oil long-life lubrication.
- Ground-hardened helical gears.




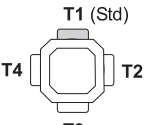


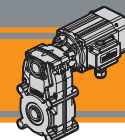
## Designazione

## Classification

RIDUTTORE / GEARBOX						
FT	146	U	60.63	O20	56	B5
Tipo Type	Grandezza Size	Versione Version	Rapporto Ratio	Albero cavo uscita Hollow output shaft	IEC	Forma costruttiva Version
	<b>105/3</b> <b>105/4</b> <b>146</b> <b>176</b> <b>196</b>	<b>U...</b>	vedi tabelle see tables	vedi tabelle see tables	 <b>56</b> <b>63</b> <b>71</b> <b>80</b> <b>90</b>	<b>B5</b> <b>B14</b>


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>O1</b> <b>P1</b> <b>Q1</b> 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.
 <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.	 T1 (Std) T4 T2 T3



### Designazione

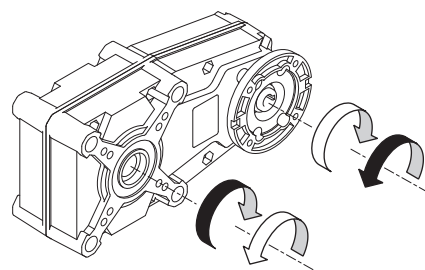
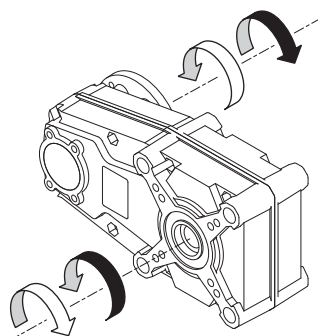
### Classification

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.
TS		1-2-3-S L1-L2	4	0.09 kW ... 2.2 kW	B5 B14	3 ph	230-400 V 275-480 V	50Hz 60Hz	T1 (Std) T4 T2 T3

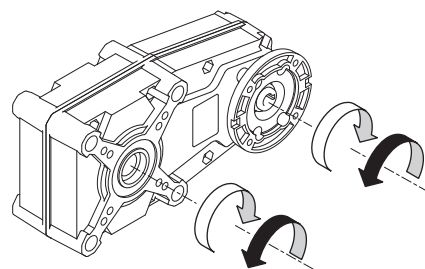
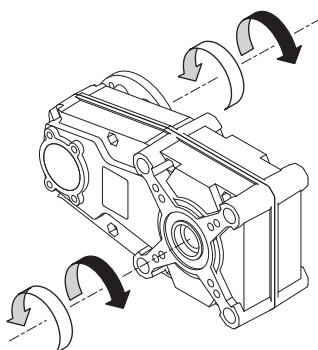
### Sensi di rotazione

### Direction of rotation

FT105/3  
FT146  
FT176  
FT196




FT105/4



### Simbologia

### Symbols

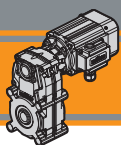
$n_1$	[min <sup>-1</sup> ]	Velocità in ingresso / <i>Input speed</i>
$n_2$	[min <sup>-1</sup> ]	Velocità in uscita / <i>Output speed</i>
$i$		Rapporto di riduzione / <i>Ratio</i>
$P_1$	[kW]	Potenza in entrata / <i>Input power</i>
$M_2$	[Nm]	Coppia nominale in uscita in funzione di $P_1$ / <i>Output torque 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

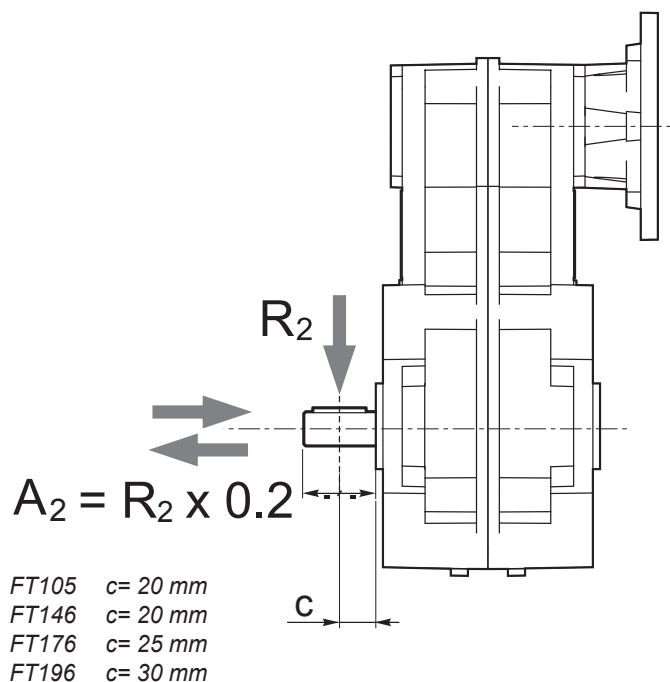
Tutti i motoriduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione.

*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**

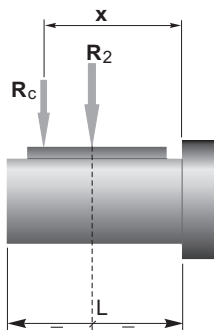
**Radial loads**



n <sub>2</sub> [min <sup>-1</sup> ]	R <sub>2</sub> [N]			
	FT105	FT146	FT176	FT196
70	1500	2500	3000	3500
40	1700	2700	3500	4000
30	1850	2850	4000	4600
20	2000	3000	4500	5500
10	2000	3000	5000	7000
5	2000	3000	5000	7000

Quando il carico radiale risultante non è applicato sulla mezzera 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:



	FT105	FT146	FT176	FT196
a	82	82,5	115	132
b	62	62,5	90	102
R <sub>2MAX</sub>	2000	3000	5000	7000

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

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

$$R \leq R_c$$

**Motori applicabili**

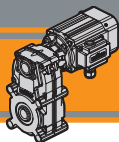
**Motors adapters**

FT	SMT						SMM					TS				
	5014	5624	6324	7124	8024	9024	5014	5624	6324	7124	8024	5624	6314	7114	8024	90S4
	5024	5634	6334	7134	8034	9034	5024	5634	6334	7134			6324	7124	8034	90L14
	5034	5444	6344	7144			5034	5444					6334	7134	8034	90L24
	5044	5654												7144		
105																
146																
176																
196																

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]	$i$
<b>FT176</b>				
	97	140	1.51	14.49
	81	150	1.35	17.31
	67	160	1.19	20.97
	57	180	1.14	24.56
	48	180	0.96	29.33
	40	190	0.85	34.62
	37	190	0.79	37.50
	34	200	0.75	41.35
	31	210	0.73	44.79
	28	220	0.68	50.10
	26	230	0.66	54.26
	22	230	0.56	63.55
	18	250	0.51	75.90
	16.4	250	0.46	85.40
	15.6	280	0.49	89.60
	13	290	0.42	107.02
	11		0.37	126.92
	9.7		0.32	144.74
	8.6	300	0.29	163.25
	6.9		0.23	204.08
	6.5		0.22	215.11
	5.1		0.17	276.68
	4.6		0.15	303.29
	3.6		0.12	390.11

IEC Motori applicabili IEC Motor adapters		
63 B5/B14	71 B5/B14	80 B5/B14
		*
		*
		*
		*
		*
		*
		*
	*	*
	*	*
	*	*

<b>FT196</b>				
	69	350	2.6	20.41
	40	400	1.8	34.81
	33	450	1.6	42.61
	24	500	1.3	59.36
	19		1.1	72.68
	15	550	0.92	92.82
	11		0.69	123.95
	8.9		0.51	158.02
	6.9		0.42	201.80
	5.2		0.32	269.47

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

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

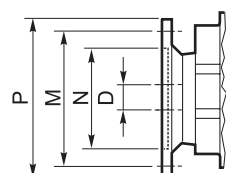
 \* = Il fattore di servizio (sf) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle pag. E7.

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

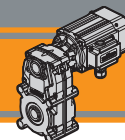
 \* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Before selecting any gearbox, please read the performance values shown in the tables on page E7.










Dimensioni IEC / IEC Dimensions								
	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14
<b>N</b>	95	60	110	70	130	80	130	95
<b>M</b>	115	75	130	85	165	100	165	115
<b>P</b>	140	90	160	105	200	120	200	140
	11		14		19		24	





### Dati tecnici

### Technical data

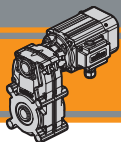
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			
<b>0.04</b>						<b>0.06</b>							
SMT5014	68	5	7.6	20.57	FT105/3	SMT5024	15	37	3.0	95.61	FT105/3		
SMM5014	42	9	5.9	33.32		SMM5024	12	44	2.5	113.40			
(1400 min <sup>-1</sup> )	32	11	5.7	44.36		(1400 min <sup>-1</sup> )	10	51	2.1	133.45			
	26	14	4.6	54.87			9.3	58	1.9	150.18			
	19	18	3.5	71.84			8.7	62	1.9	160.43			
	18	20	3.3	77.07			7.8	69	1.7	178.83			
	16	23	2.9	88.87			7.1	75	1.6	195.85			
	11	32	2.0	124.81			6.3	86	1.4	223.92			
	7.7	47	1.4	181.35			5.9	91	1.3	236.83			
	6.2	58	1.1	224.32			4.7	115	1.0	300.07			
	4.4	81	0.8	315.05			3.5	153	0.8	397.38			
	3.8	92	0.7	368.19		FT105/4	<b>0.09</b>						
	2.6	92	0.7	534.98			SMT5034	68	12	3.4		20.57	FT105/3
	2.1	92	0.7	661.78			SMM5034	42	19	2.6		33.32	
	1.5	92	0.7	929.40		SMT5624	32	26	2.5	44.36			
						SMM5624	26	32	2.1	54.87			
						(1400 min <sup>-1</sup> )	20	41	1.6	71.84			
	17	22	5.1	84.63	FT146		18	44	1.5	77.07			
	15	25	4.5	95.61		TS5624	16	51	1.3	88.87			
	12	29	3.8	113.40		(1400 min <sup>-1</sup> )	11	72	0.9	124.81			
	10	34	3.2	133.45			75	11	7.4	18.75	FT146		
	9.3	39	2.9	150.18			61	13	6.1	22.89			
	8.7	41	2.9	160.43			53	15	5.3	26.17			
	7.8	46	2.6	178.83			50	16	4.9	28.26			
	7.1	50	2.4	195.85			40	20	4.9	35.07			
	6.3	57	2.1	223.92			35	23	4.4	39.44			
	5.9	61	2.0	236.83			30	27	3.7	46.44			
	4.7	77	1.6	300.07			27	31	3.3	52.86			
	3.5	102	1.2	397.38			23	35	3.1	60.63			
<b>0.06</b>						<b>0.12</b>							
SMT5024	68	8	5.1	20.57	FT105/3	SMT5044	68	16	2.5	20.57	FT105/3		
SMM5024	42	13	3.9	33.32		SMT5634	42	26	2.0	33.32			
(1400 min <sup>-1</sup> )	32	17	3.8	44.36		SMM5634	32	34	1.9	44.36			
	26	21	3.1	54.87		(1400 min <sup>-1</sup> )	26	42	1.5	54.87			
	19	28	2.4	71.84			19	55	1.2	71.84			
	18	30	2.2	77.07			18	59	1.1	77.07			
	16	34	1.9	88.87			16	68	1.0	88.87			
	11	48	1.4	124.81									
	7.7	70	0.9	181.35									
	6.2	86	0.8	224.32									
	26	20	4.9	52.86	FT146								
	23	23	4.7	60.63									
	20	27	4.1	70.00									
	19	28	3.9	74.02									
	17	33	3.4	84.63									

N.B.  
Verificare sempre che la coppia  $M_2$  utilizzata non ecceda il valore indicato nelle caselle in grigio

N.B.  
Please check that the output torque  $M_2$  does not exceed the value in the grey areas












Motori Motors	SMT		SMM		TS	
	5014 5024 5034 5044	5624 5634	5014 5024 5034	5624 5634	5624	6314
IEC	56 B14	56 B14	56 B14	56 B14	56 B5 / B14	63 B5 / B14



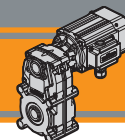
## Dati tecnici

## 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>0.18</b>						
SMT5044	<b>75</b>	14	5.5	18.75	<b>FT146</b>	SMT6324	<b>31</b>	52	4.1	44.79	<b>FT176</b>	
SMT5634	<b>61</b>	18	4.5	22.89		SMM6324	<b>28</b>	58	3.8	50.10		
SMM5634	<b>53</b>	20	4.0	26.17		(1400 min <sup>-1</sup> )	<b>26</b>	63	3.7	54.26		
	<b>50</b>	22	3.7	28.26			<b>22</b>	73	3.1	63.55		
	<b>40</b>	27	3.7	35.07			<b>18</b>	88	2.9	75.90		
	<b>35</b>	30	3.3	39.44			<b>16.4</b>	99	2.5	85.40		
	<b>30</b>	36	2.8	46.44			TS6324	<b>15.6</b>	103	2.7		89.60
TS6314 (1400 min <sup>-1</sup> )	<b>26</b>	41	2.5	52.86		<b>FT196</b>	<b>13</b>	124	2.3	107.02		
	<b>23</b>	47	2.4	60.63			<b>11</b>	146	2.0	126.92		
	<b>20</b>	54	2.0	70.00			<b>9.7</b>	167	1.8	144.74		
	<b>19</b>	57	1.9	74.02			<b>8.6</b>	188	1.6	163.25		
	<b>17</b>	65	1.7	84.63			<b>6.9</b>	236	1.3	204.08		
	<b>15</b>	74	1.5	95.61			<b>6.5</b>	248	1.2	215.11		
	<b>12</b>	87	1.3	113.40			<b>5.1</b>	319	0.9	276.68		
	<b>10</b>	103	1.1	133.45			<b>4.6</b>	350	0.9	303.29		
	<b>9.3</b>	116	1.0	150.18			<b>8.9</b>	182	3.0	158,02		
	<b>8.7</b>	123	1.0	160.43	<b>6.9</b>		233	2.4	201,80			
<b>7.8</b>	138	0.9	178.83	<b>5.2</b>	311	1,8	269,47					
<b>7.1</b>	151	0.8	195.85									
<b>0.18</b>						<b>0.25</b>						
TS6314 (1400 min <sup>-1</sup> )	<b>22</b>	49	4.7	63.55	<b>FT176</b>	SMT5654	<b>68</b>	33	1.2	18.75	<b>FT105/3</b>	
<b>18</b>	58	4.3	75.90	(1400 min <sup>-1</sup> )		<b>42</b>	53	0.9	26.17			
<b>16.4</b>	66	3.8	85.40			<b>32</b>	71	0.9	28.26			
<b>15.6</b>	69	4.1	89.60			SMT5654	<b>75</b>	30	2.7	18.75	<b>FT146</b>	
<b>13</b>	82	3.5	107.02			SMT6334	<b>61</b>	37	2.2	22.89		
<b>11</b>	98	3.1	126.92	SMM6334		<b>53</b>	42	1.9	26.17			
<b>9.7</b>	111	2.7	144.74	(1400 min <sup>-1</sup> )		<b>50</b>	45	1.8	28.26			
<b>8.6</b>	126	2.4	163.25			<b>40</b>	56	1.8	35.07			
<b>6.9</b>	157	1.9	204.08			<b>35</b>	63	1.6	39.44			
<b>6.5</b>	166	1.8	215.11			<b>30</b>	74	1.3	46.44			
<b>5.1</b>	213	1.4	276.68	TS6334		<b>26</b>	85	1.2	52.86			
<b>4.6</b>	233	1.3	303.29	TS7114		<b>23</b>	97	1.1	60.63			
<b>3.6</b>	300	1.0	390.11	(1400 min <sup>-1</sup> )	<b>20</b>	112	1.0	70.00				
					<b>19</b>	119	0.9	74.02				
					<b>17</b>	136	0.8	84.63				
<b>0.18</b>						<b>0.18</b>						
SMT5644	<b>68</b>	24	1.7	20.57	<b>FT105/3</b>	SMT6334	<b>57</b>	39	4.6	24.56	<b>FT176</b>	
SMM5644	<b>42</b>	38	1.3	33.32		(1400 min <sup>-1</sup> )	SMM6334	<b>48</b>	47	3.8		29.33
	<b>32</b>	51	1.3	44.36			<b>40</b>	56	3.4	34.62		
	<b>26</b>	63	1.0	54.87			<b>37</b>	60	3.2	37.50		
	<b>19</b>	83	0.8	71.84	<b>34</b>		66	3.0	41.35			
SMT5644	<b>75</b>	22	3.7	18.75	<b>FT146</b>	<b>31</b>	72	2.9	44.79			
SMT6324	<b>61</b>	26	3.0	22.89		TS6334	<b>28</b>	80	2.7	50.10		
SMM5644	<b>53</b>	30	2.6	26.17		TS7114	<b>26</b>	87	2.6	54.26		
SMM6324	<b>50</b>	33	2.5	28.26		(1400 min <sup>-1</sup> )	<b>22</b>	102	2.3	63.55		
	<b>40</b>	40	2.5	35.07		<b>18</b>	122	2.1	75.90			
	<b>35</b>	46	2.2	39.44		<b>16.4</b>	137	1.8	85.40			
	<b>30</b>	54	1.9	46.44		<b>15.6</b>	144	1.9	89.60			
	<b>26</b>	61	1.6	52.86		<b>13</b>	172	1.7	107.02			
TS6324	<b>23</b>	70	1.6	60.63		<b>11</b>	203	1.5	126.92			
(1400 min <sup>-1</sup> )	<b>20</b>	81	1.4	70.00		<b>9.7</b>	232	1.3	144.74			
	<b>19</b>	85	1.3	74.02		<b>8.6</b>	262	1.1	163.25			
	<b>17</b>	98	1.1	84.63		<b>6.9</b>	327	0.9	204.08			
	<b>15</b>	110	1.0	95.61	<b>6.5</b>	345	0.9	215.11				
	<b>12</b>	131	0.8	113.40								














Motori Motors	SMT		SMM		TS	
	5644 5654	6324 6334 6344	5644	6334 6344	6324 6334	7114
<b>IEC</b>	<b>56 B14</b>	<b>63 B14</b>	<b>56 B14</b>	<b>63 B14</b>	<b>63 B5 / B14</b>	<b>71 B5 / B14</b>



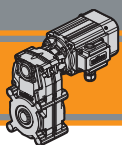
### Dati tecnici

### 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>0.25</b>						<b>0.55</b>					
SMT6334	<b>15.1</b>	149	3.7	92.82	<b>FT196</b>	SMT7134	<b>75</b>	66	1.2	18.75	<b>FT146</b>
SMM6334	<b>11.3</b>	199	2.8	123.95		SMM7134	<b>61</b>	81	1.0	22.89	
(1400 min <sup>-1</sup> )	<b>8.9</b>	253	2.2	158.02		(1400 min <sup>-1</sup> )	<b>53</b>	92	0.9	26.17	
	<b>6.9</b>	323	1.7	201.80			<b>50</b>	100	0.8	28.26	
TS6334	<b>5.2</b>	432	1.3	269.47		TS7134	<b>40</b>	124	0.8	35.07	
TS7114					(1400 min <sup>-1</sup> )						
(1400 min <sup>-1</sup> )											
<b>0.37</b>						<b>0.55</b>					
SMT6344	<b>75</b>	44	1.8	18.75	<b>FT146</b>	SMT7134	<b>97</b>	51	2.7	14.49	<b>FT176</b>
SMT7124	<b>61</b>	54	1.5	22.89		SMM7134	<b>81</b>	61	2.5	17.31	
SMM7124	<b>53</b>	62	1.3	26.17		(1400 min <sup>-1</sup> )	<b>67</b>	74	2.2	20.97	
(1400 min <sup>-1</sup> )	<b>50</b>	67	1.2	28.26			<b>57</b>	87	2.1	24.56	
	<b>40</b>	83	1.2	35.07		TS7134	<b>48</b>	103	1.7	29.33	
TS7124	<b>35</b>	94	1.1	39.44	(1400 min <sup>-1</sup> )	<b>40</b>	122	1.6	34.62		
(1400 min <sup>-1</sup> )	<b>30</b>	110	0.9	46.44	TS8014	<b>37</b>	132	1.4	37.50		
TS7124	<b>26</b>	125	0.8	52.86	(1400 min <sup>-1</sup> )	<b>34</b>	146	1.4	41.35		
(1400 min <sup>-1</sup> )	<b>23</b>	144	0.8	60.63	TS7134	<b>31</b>	158	1.3	44.79		
					TS8014	<b>28</b>	177	1.2	50.10		
					(1400 min <sup>-1</sup> )	<b>26</b>	191	1.2	54.26		
						<b>22</b>	224	1.0	63.55		
						<b>18</b>	268	0.9	75.90		
						<b>16.4</b>	301	0.8	85.40		
						<b>15.6</b>	316	0.9	89.60		
SMT6344	<b>97</b>	34	4.1	14.49	<b>FT176</b>	SMT7134	<b>69</b>	72	4.9	20.41	<b>FT196</b>
SMT7124	<b>81</b>	41	3.7	17.31		SMM7134	<b>40</b>	123	3.2	34.81	
SMM7124	<b>67</b>	50	3.2	20.97		(1400 min <sup>-1</sup> )	<b>33</b>	150	3.0	42.61	
(1400 min <sup>-1</sup> )	<b>57</b>	58	3.1	24.56			<b>24</b>	209	2.4	59.36	
	<b>48</b>	70	2.6	29.33		TS7134	<b>24</b>	209	2.4	59.36	
TS7124	<b>40</b>	82	2.3	34.62		(1400 min <sup>-1</sup> )	<b>19</b>	255	2.1	72.68	
(1400 min <sup>-1</sup> )	<b>37</b>	89	2.1	37.50			<b>15</b>	327	1.7	92.82	
TS7124	<b>34</b>	98	2.0	41.35		TS7134	<b>15</b>	327	1.7	92.82	
(1400 min <sup>-1</sup> )	<b>31</b>	106	2.0	44.79		(1400 min <sup>-1</sup> )	<b>11</b>	437	1.3	123.95	
TS7124	<b>28</b>	119	1.9	50.10		TS8014	<b>8.9</b>	557	1.0	158.02	
(1400 min <sup>-1</sup> )	<b>26</b>	129	1.8	54.26		(1400 min <sup>-1</sup> )	<b>6.9</b>	712	0.8	201.80	
TS7124	<b>22</b>	151	1.5	63.55							
(1400 min <sup>-1</sup> )	<b>18</b>	180	1.4	75.90							
	<b>16.4</b>	203	1.2	85.40							
	<b>15.6</b>	213	1.3	89.60							
	<b>13</b>	254	1.1	107.02							
	<b>11</b>	301	1.0	126.92							
	<b>9.7</b>	343	0.9	144.74							
<b>0.75</b>						<b>0.75</b>					
SMT6344	<b>24</b>	141	3.6	59.36	<b>FT196</b>	SMT7144	<b>97</b>	70	2.0	14.49	<b>FT176</b>
SMM7124	<b>19</b>	172	3.2	72.68		SMT8024 IE3	<b>81</b>	83	1.8	17.31	
SMT7124	<b>15</b>	220	2.5	92.82		SMM8024	<b>67</b>	101	1.6	20.97	
(1400 min <sup>-1</sup> )	<b>11</b>	294	1.9	123.95		(1400 min <sup>-1</sup> )	<b>57</b>	118	1.5	24.56	
	<b>8.9</b>	375	1.5	158.02			<b>48</b>	141	1.3	29.33	
TS7124	<b>6.9</b>	479	1.1	201.80	TS7144	<b>40</b>	167	1.1	34.62		
(1400 min <sup>-1</sup> )	<b>5.2</b>	639	0.9	269.47	(1400 min <sup>-1</sup> )	<b>37</b>	180	1.1	37.50		
TS7124					TS8024	<b>34</b>	199	1.0	41.35		
(1400 min <sup>-1</sup> )					(1400 min <sup>-1</sup> )	<b>31</b>	215	1.0	44.79		
						<b>28</b>	241	0.9	50.10		
						<b>26</b>	261	0.9	54.26		









Motori Motors	SMT			SMM		TS	
	6344	7124 7134 7144	8024	7124 7134	8024	7124 7134	8014 8024
<b>IEC</b>	<b>63 B14</b>	<b>71 B14</b>	<b>80 B14</b>	<b>71 B14</b>	<b>80 B14</b>	<b>71 B5 / B14</b>	<b>80 B5 / B14</b>



# FT Motoriduttori pendolari Helical parallel gearmotors

## Dati tecnici

## 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>1.5</b>							
SMT7144	<b>69</b>	98	3.6	20.41	<b>FT196</b>	SMT9024 IE3 (1400 min <sup>-1</sup> )	<b>69</b>	196	1.8	20.41	<b>FT196</b>		
SMT8024 IE3	<b>40</b>	167	2.4	34.81			<b>40</b>	335	1.2	34.81			
SMM8024 (1400 min <sup>-1</sup> )	<b>33</b>	205	2.2	42.61		<b>33</b>	410	1.1	42.61				
	<b>24</b>	285	1.8	59.36		<b>24</b>	571	0.9	59.36				
	<b>19</b>	350	1.6	72.68		<b>19</b>	699	0.8	72.68				
TS7144	<b>15</b>	446	1.2	92.82		TS90L14 (1400 min <sup>-1</sup> )							
TS8024 (1400 min <sup>-1</sup> )	<b>11</b>	596	0.9	123.95									
<b>1.1</b>						<b>2.2</b>							
SMT8034 IE3 (1400 min <sup>-1</sup> )	<b>97</b>	102	1.4	14.49		<b>FT176</b>	SMT9034 IE3 (1400 min <sup>-1</sup> )	<b>69</b>	288	1.2		20.41	<b>FT196</b>
	<b>81</b>	122	1.2	17.31			<b>40</b>	491	0.8	34.81			
	<b>67</b>	148	1.1	20.97	TS90L24 (1400 min <sup>-1</sup> )								
	<b>57</b>	173	1.0	24.56									
TS8034 (1400 min <sup>-1</sup> )	<b>48</b>	207	0.9	29.33									
SMT8034 IE3 (1400 min <sup>-1</sup> )	<b>69</b>	144	2.4	20.41	<b>FT196</b>								
	<b>40</b>	246	1.6	34.81									
	<b>33</b>	301	1.5	42.61									
	<b>24</b>	419	1.2	59.36									
TS8034 (1400 min <sup>-1</sup> )	<b>19</b>	513	1.1	72.68									
TS90S4 (1400 min <sup>-1</sup> )	<b>15</b>	655	0.8	92.82									



Motori Motors	SMT		TS	
	8034	9024 9034	8034	90S4 90L14 90L24
<b>IEC</b>	<b>80 B14</b>	<b>90 B14</b>	<b>80 B5 / B14</b>	<b>90 B5 / B14</b>

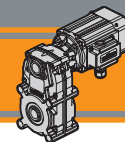
## Dati tecnici elettrici

## Electrical technical data

Si prega di consultare il paragrafo dedicato:

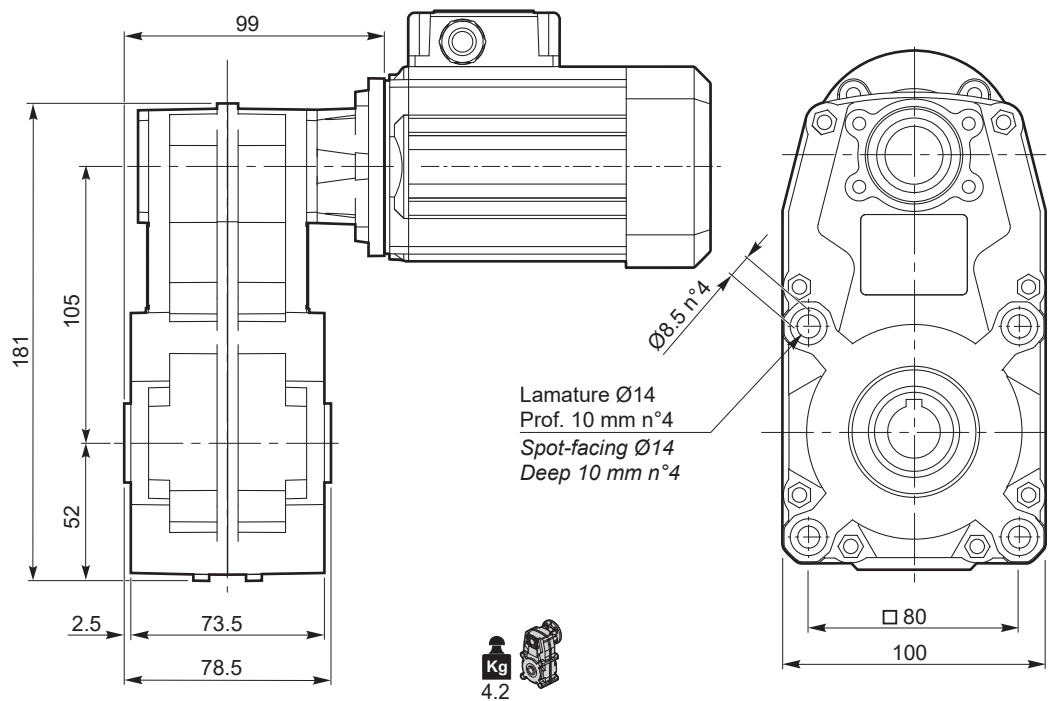
Please see the dedicated paragraph:





FT 105

FT 105...U



NOTA: Stessi fissaggi da entrambi i lati  
NOTE: Same fixing points in both sides

IEC Motori applicabili  
IEC Motor adapters

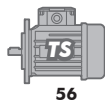


E5  
pag.



50 ... 56

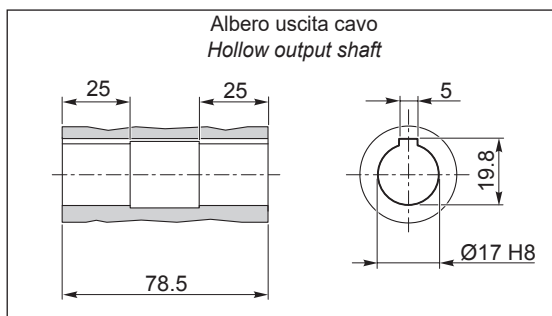
N4  
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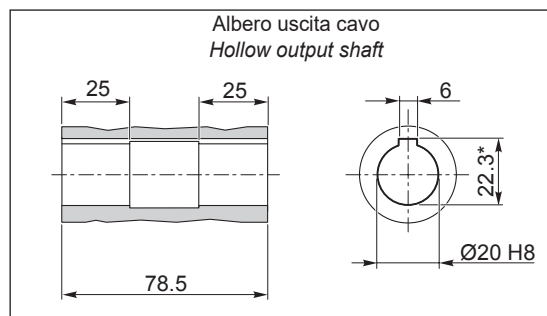
56

R4  
pag.

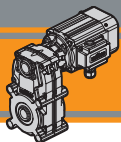
O17



O20

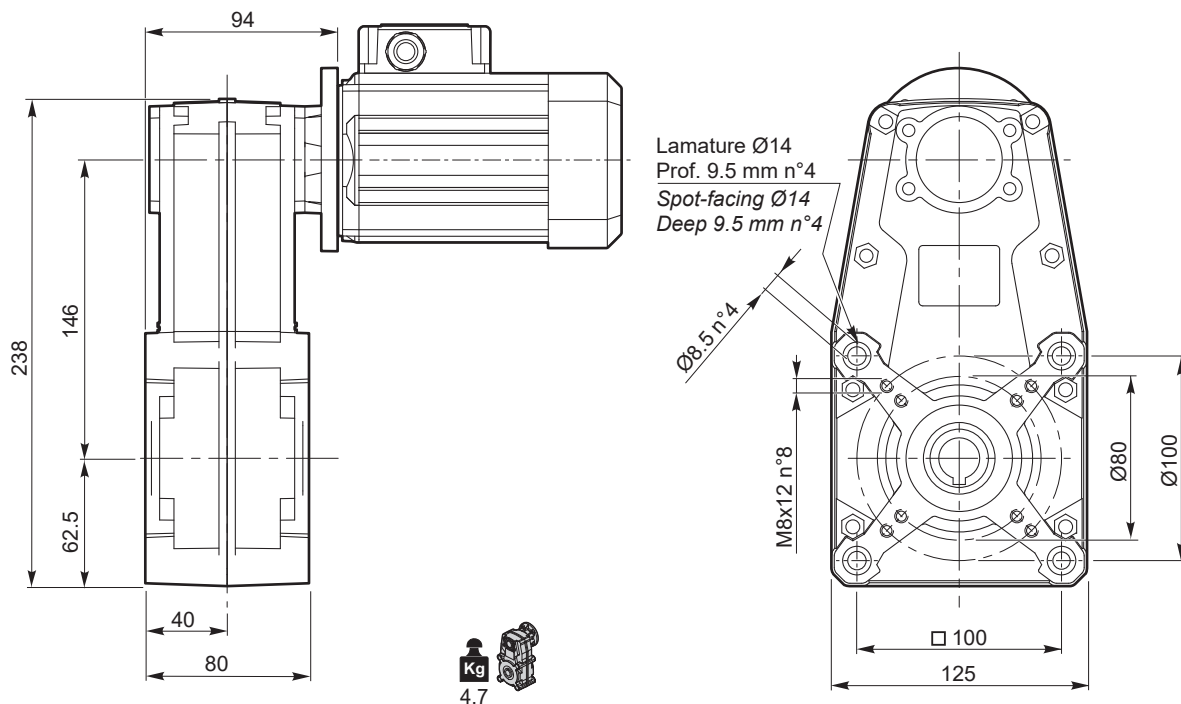


\*: Sede linguetta ribassata / Special keyway



**FT 146**

**FT 146 U**



NOTA: Stessi fissaggi da entrambi i lati  
NOTE: Same fixing points in both sides

IEC Motori applicabili  
IEC Motor adapters

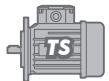


E5  
pag.



50 ... 71

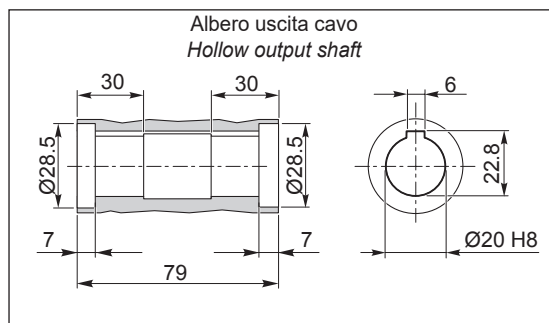
N4  
pag.

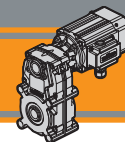


56 ... 71

R4  
pag.

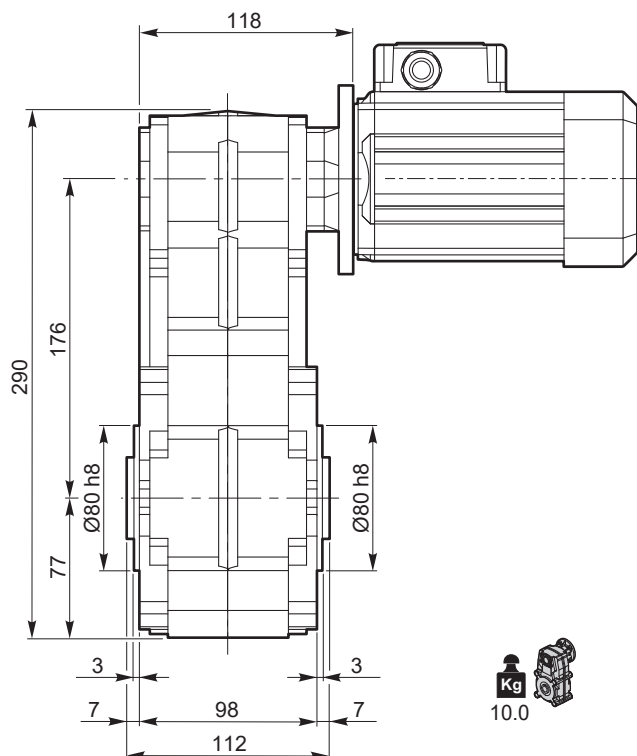
**O20**



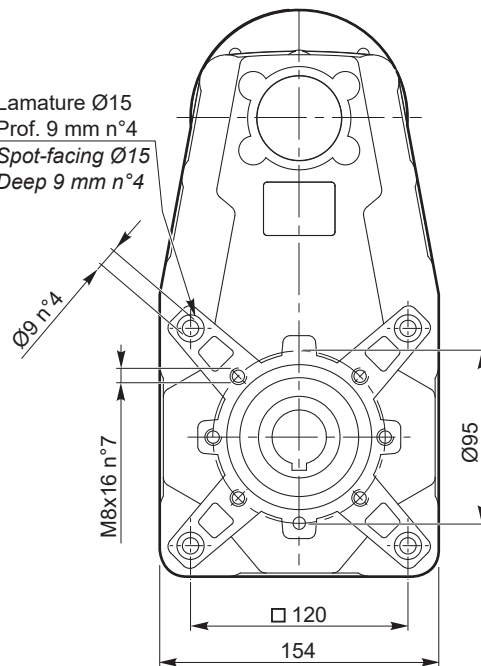


FT 176

FT 176 U

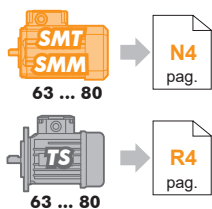


Lamature Ø15  
Prof. 9 mm n°4  
Spot-facing Ø15  
Deep 9 mm n°4

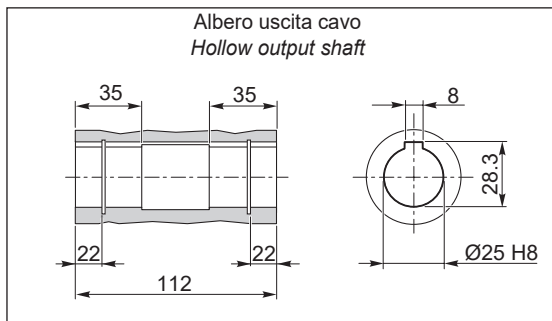


NOTA: Stessi fissaggi da entrambi i lati  
NOTE: Same fixing points in both sides

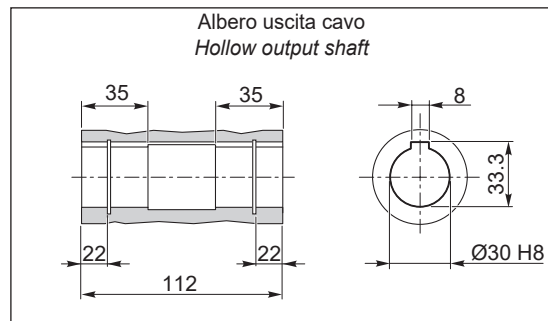
IEC Motori applicabili  
IEC Motor adapters

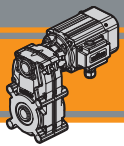


O25



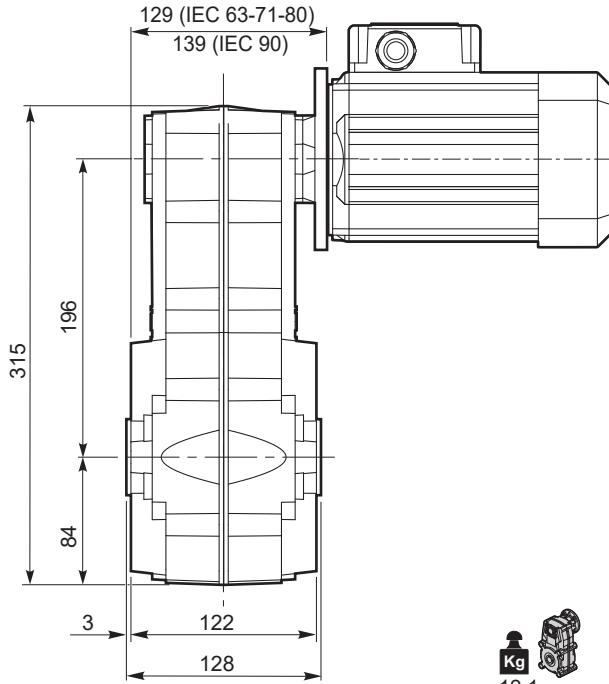
O30



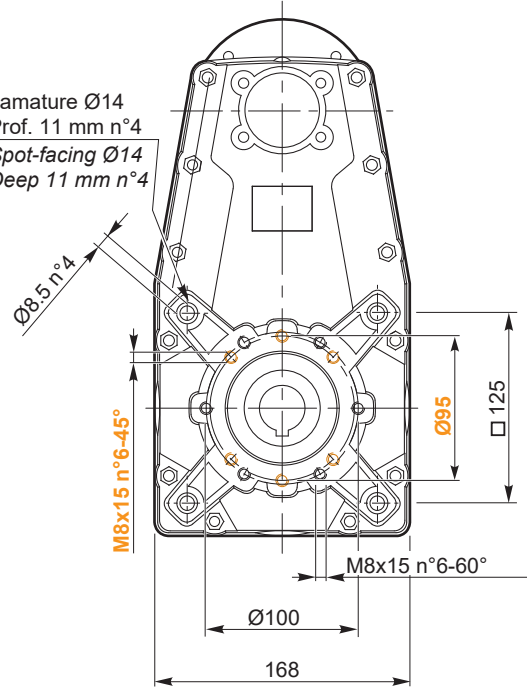


**FT 196**

**FT 196 U**

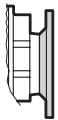


Lamature Ø14  
Prof. 11 mm n°4  
Spot-facing Ø14  
Deep 11 mm n°4



NOTA: Stessi fissaggi da entrambi i lati  
NOTE: Same fixing points in both sides

IEC Motori applicabili  
IEC Motor adapters



**E6**  
pag.



63 ... 90

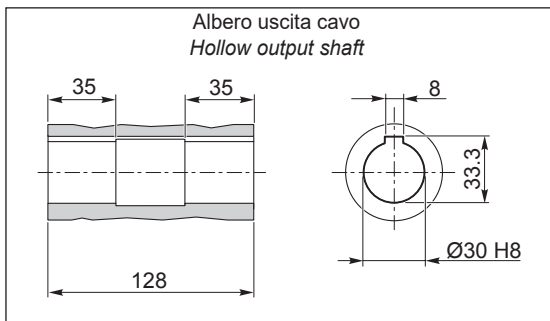
**N4**  
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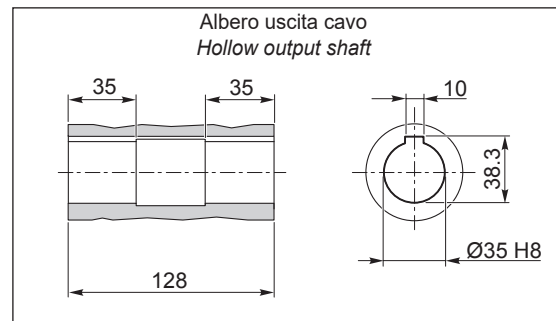
63 ... 90

**R4**  
pag.

**O30**



**O35**







## TRANSTECNO SRL HEADQUARTERS

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