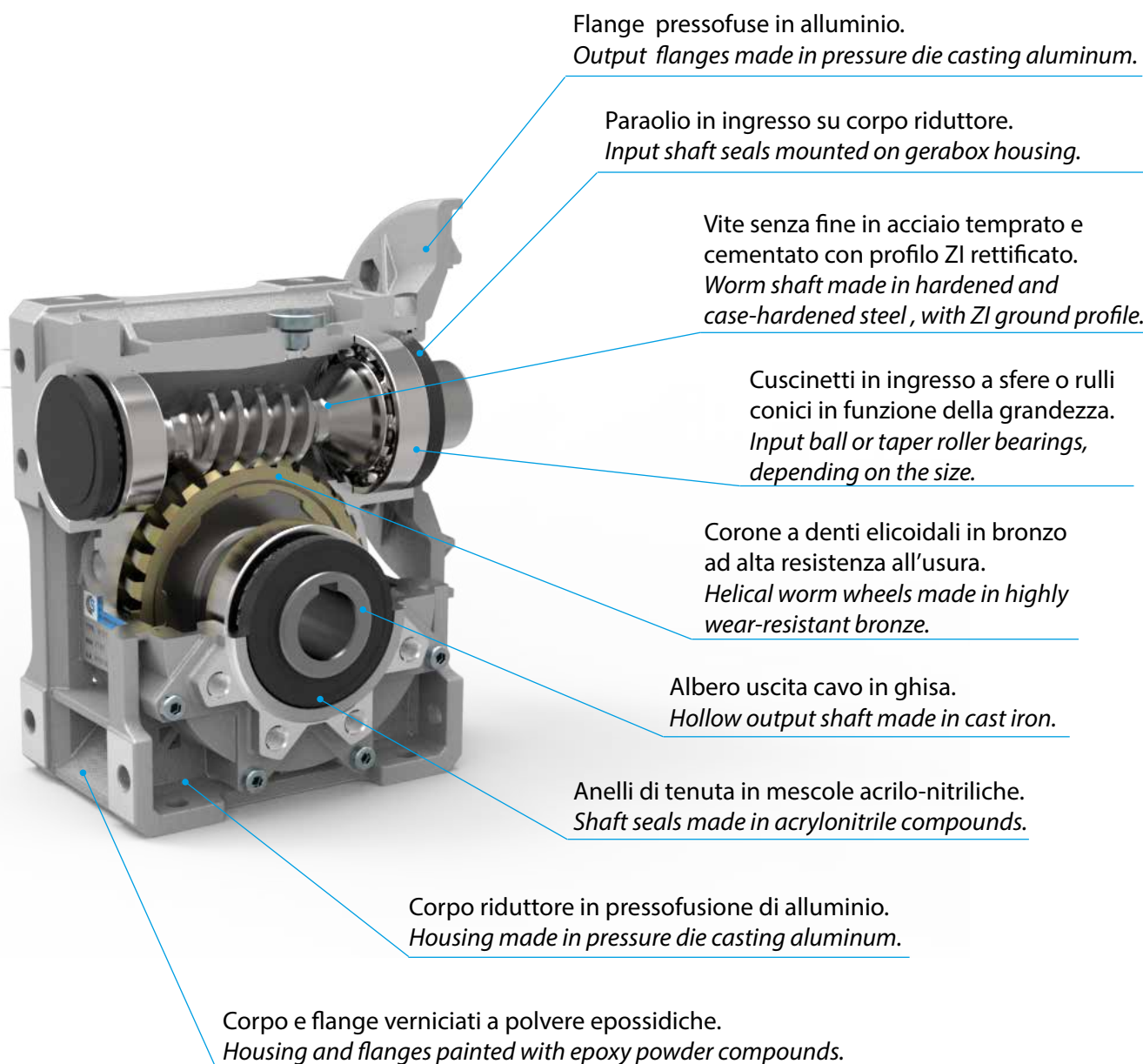


**Riduttori a vite senza fine VTS / VTS worm gearboxes**



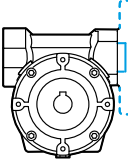



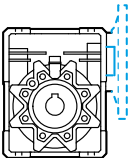





La gamma di riduttori a vite senza fine della serie VTS sono disponibili in diverse versioni dettagliate nelle pagine seguenti:

- VTS con flangia motore**
- VES con albero sporgente**
- VRT con precoppia (solo versione flangiata)**
- VKE combinato con albero sporgente**
- VKS combinato con flangia motore**

The range of VTS series worm gearboxes is composed of different versions presented/illustrated in the following pages:

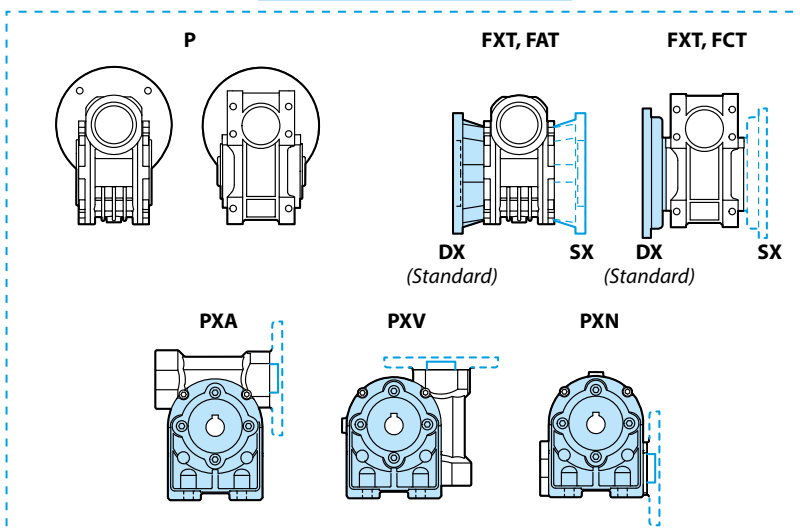
- VTS with motor flange**
- VES with solid input shaft**
- VRT with helical worm units (only motor flange version)**
- VKE combination unit with solid input shaft**
- VKS combination unit with motor flange**

## Designazione / Designation

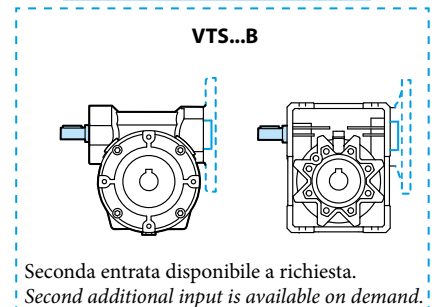
RIDUTTORE A VITE SENZA FINE FLANGIATO / WORM GEARBOXES WITH FLANGE										ACCESSORI / ACCESSORIES	
Riduttore Gearbox	Grandezza Size	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Predispos. attacco motore Motor coupling		Forma costruttiva Version	Posizione di mont. Mounting position	Seconda entrata Additional input	Albero uscita Output shaft	Braccio di reazione Torque arm
					without flange	IEC flange					
<b>VTS</b>	<b>044</b>	<b>P</b>	<b>-</b>	<b>R10</b>	<b>-</b>	<b>63 B5</b>	<b>U</b>	<b>-</b>	<b>ADT</b>	<b>BRT</b>	
	<b>030</b> <b>044</b> <b>049</b>	<b>P</b> <b>FXT</b> <b>FAT</b>  <b>PX</b>	<b>-</b> <b>DX</b> <b>SX</b>  <b>A</b> <b>N</b> <b>V</b>	<b>R7</b> <b>R10</b> <b>R12</b> <b>R14</b> <b>R15</b> <b>R18</b> <b>R19</b> <b>R20</b> <b>R23</b> <b>R24</b> <b>R25</b> <b>R28</b> <b>R30</b> <b>R35</b> <b>R36</b> <b>R38</b> <b>R40</b> <b>R45</b> <b>R46</b> <b>R50</b> <b>R56</b> <b>R60</b> <b>R64</b> <b>R70</b> <b>R80</b> <b>R100</b>	<b>-</b> <b>F09</b> <b>F11</b> <b>F14</b> <b>F19</b> <b>F24</b> <b>F28</b>	<b>-</b> <b>56</b> <b>63</b> <b>71</b> <b>80</b> <b>90</b> <b>100</b> <b>112</b>	<b>-</b> <b>B5</b> <b>B14</b>	<b>U*</b> <b>B3</b> <b>B6</b> <b>B7</b> <b>B8</b> <b>V5</b> <b>V6</b>  <b>-</b> <b>B</b>	<b>AST</b>   <b>ADT</b> 	<b>BRT</b> 	
	<b>063</b> <b>075</b> <b>086</b>	<b>P</b> <b>FXT</b> <b>FCT</b>	<b>-</b> <b>DX</b> <b>SX</b>								

\* Tutta la gamma viene fornita in posizione Universale  
All the gearboxes are supplied suitable for universal mounting.

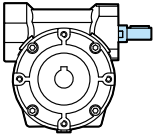



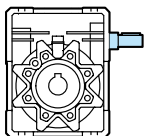




### Versione riduttore / Gearbox version



### Seconda entrata / Additional input

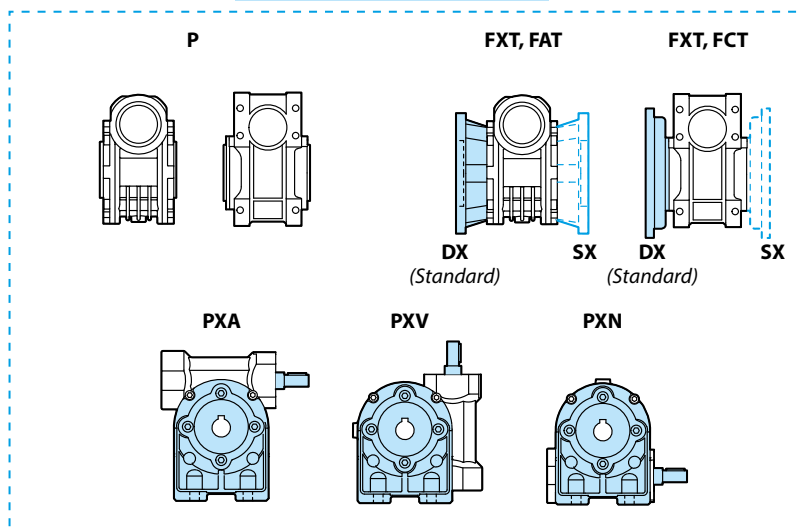


Designazione / Designation

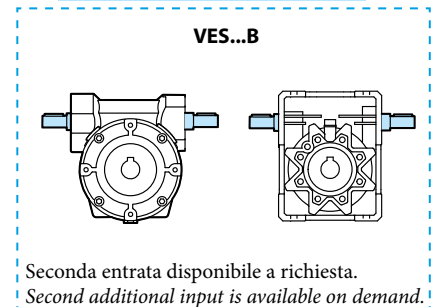
RIDUTTORE A VITE SENZA FINE ALBERATO / WORM GEARBOXES WITH SHAFT							ACCESSORI / ACCESSORIES	
Riduttore Gearbox	Grandezza Size	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Posizione di mont. Mounting position	Seconda entrata Additional input	Albero uscita Output shaft	Braccio di reazione Torque arm
<b>VES</b>	<b>044</b>	<b>FXT</b>	<b>DX</b>	<b>R10</b>	<b>B6</b>	-	<b>ADT</b>	<b>BRT</b>
	<b>030 044 049</b>	<b>P</b> <b>FXT</b> <b>FAT</b>  <b>PX</b>	<b>-</b> <b>DX</b> <b>SX</b>  <b>A</b> <b>N</b> <b>V</b>	<b>R7</b> <b>R10</b> <b>R12</b> <b>R14</b> <b>R15</b> <b>R18</b> <b>R19</b> <b>R20</b> <b>R23</b> <b>R24</b> <b>R25</b> <b>R28</b> <b>R30</b> <b>R35</b> <b>R38</b> <b>R40</b> <b>R45</b> <b>R46</b> <b>R50</b> <b>R56</b> <b>R60</b> <b>R64</b> <b>R70</b> <b>R80</b> <b>R100</b>	<b>U*</b> <b>B3</b> <b>B6</b> <b>B7</b> <b>B8</b> <b>V5</b> <b>V6</b>	<b>-</b> <b>B</b>	<b>AST</b>  <b>ADT</b> 	<b>BRT</b> 
	<b>063 075 086</b>	<b>P</b> <b>FXT</b> <b>FCT</b>  	<b>-</b> <b>DX</b> <b>SX</b>					

\* Tutta la gamma viene fornita in posizione Universale  
All the gearboxes are supplied suitable for universal mounting.

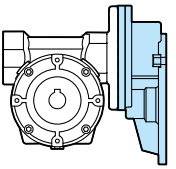


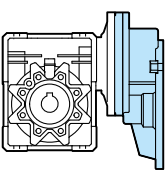
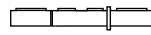


Versione riduttore / Gearbox version



Seconda entrata / Additional input

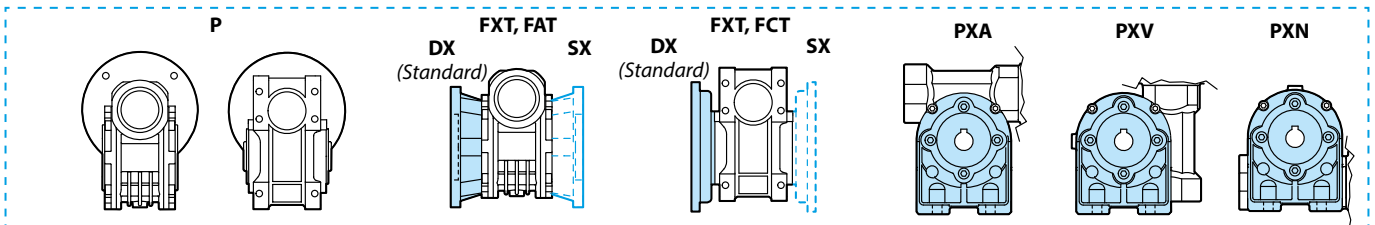


## Designazione / Designation

RIDUTTORE A VITE SENZA FINE CON PRECOPPIA / HELICAL WORM GEARBOXES								ACCESSORI / ACCESSORIES		
Riduttore Gearbox	Grandezza precoppia Size pre-stage	Grandezza riduttore Size gearbox	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Predispos. attacco motore Motor coupling	Forma costruttiva Version	Posizione di montaggio Mounting position	Albero uscita Output shaft	Braccio di reazione Torque arm
<b>VRT</b>	<b>063/044</b>	<b>P</b>	-	<b>R73.5</b>	<b>63</b>	<b>B5</b>	<b>U</b>	<b>ADT</b>	<b>BRT</b>	
	<b>063/044</b> <b>063/049</b> <b>071/049</b>	<b>P</b> <b>FXT</b> <b>FAT</b> <b>PX</b>	- <b>DX</b> <b>SX</b> <b>A</b> <b>N</b> <b>V</b>	Contattare ufficio tecnico SATI Contact SATI technical Office	<b>63</b> <b>71</b> <b>80</b> <b>90</b>	<b>B5</b>	<b>U*</b> <b>B3</b> <b>B6</b> <b>B7</b> <b>B8</b> <b>B9</b> <b>V5</b> <b>V6</b>	<b>AST</b> 	<b>BRT</b> 	
	<b>071/063</b> <b>071/075</b> <b>080/075</b> <b>080/086</b> <b>090/086</b>	<b>P</b> <b>FXT</b> <b>FCT</b>	- <b>DX</b> <b>SX</b>					<b>ADT</b> 		

\* Tutta la gamma viene fornita in posizione Universale  
All the gearboxes are supplied suitable for universal mounting.

### Versione riduttore / Gearbox version

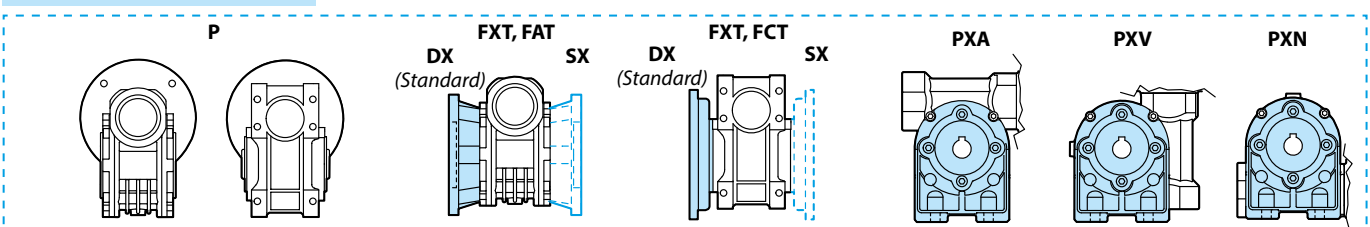


## Designazione / Designation

RIDUTTORE A VITE SENZA FINE COMBINATO / COMBINATION WORM GEARBOXES								ACCESSORI / ACCESSORIES			
Riduttore Gearbox	Grandezza riduttore entrata Size input gearbox	Grandezza riduttore uscita Size output gearbox	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Predispos. attacco motore Motor coupling	Forma costruttiva Version	Esecuzione Version	Posizione di montaggio Mounting position	Albero uscita Output shaft	Braccio di reazione Torque arm
<b>VKS</b>	<b>030/044</b>	<b>P</b>	<b>-</b>	<b>R1500</b>	<b>63</b>	<b>B5</b>	<b>ADO</b>	<b>U</b>	<b>ADT</b>	<b>BRT</b>	
	<b>030/044</b> <b>030/049</b>	<b>P</b> <b>FXT</b> <b>FAT</b> <b>PX</b>	<b>-</b> <b>DX</b> <b>SX</b> <b>A</b> <b>N</b> <b>V</b>	Contattare ufficio tecnico SATI Contact SATI technical Office	<b>56</b> <b>63</b> <b>71</b>	<b>B5</b> <b>B14</b>	<b>ADO</b> <b>BDO</b> <b>ADV</b> <b>BDV</b> <b>ASO</b> <b>BSO</b> <b>ASV</b> <b>BSV</b>	<b>U*</b> <b>B3</b> <b>B6</b> <b>B7</b> <b>B8</b> <b>V5</b> <b>V6</b>	<b>AST</b>	<b>BRT</b>	
	<b>030/063</b> <b>044/075</b> <b>044/086</b>	<b>P</b> <b>FXT</b> <b>FCT</b>	<b>-</b> <b>DX</b> <b>SX</b>								

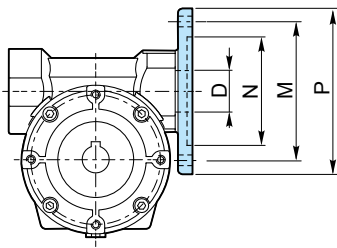
RIDUTTORE A VITE SENZA FINE COMBINATO / COMBINATION WORM GEARBOXES								ACCESSORI / ACCESSORIES	
Riduttore Gearbox	Grandezza riduttore entrata Size input gearbox	Grandezza riduttore uscita Size output gearbox	Versione riduttore Gearbox Version	Posizione flangia uscita Position Output flange	Rapporto rid. = i Ratio = i	Esecuzione Version	Posizione di montaggio Mounting position	Albero uscita Output shaft	Braccio di reazione Torque arm
<b>VKE</b>	<b>030/044</b>	<b>P</b>	<b>-</b>	<b>R1500</b>	<b>ADO</b>	<b>U</b>	<b>ADT</b>	<b>BRT</b>	
	<b>030/044</b> <b>030/049</b>	<b>P</b> <b>FXT</b> <b>FAT</b> <b>PX</b>	<b>-</b> <b>DX</b> <b>SX</b> <b>A</b> <b>N</b> <b>V</b>	Contattare ufficio tecnico SATI Contact SATI technical Office	<b>ADO</b> <b>BDO</b> <b>ADV</b> <b>BDV</b> <b>ASO</b> <b>BSO</b> <b>ASV</b> <b>BSV</b>	<b>U*</b> <b>B3</b> <b>B6</b> <b>B7</b> <b>B8</b> <b>V5</b> <b>V6</b>	<b>AST</b>	<b>BRT</b>	
	<b>030/063</b> <b>044/075</b> <b>044/086</b>	<b>P</b> <b>FXT</b> <b>FCT</b>	<b>-</b> <b>DX</b> <b>SX</b>						

Versione riduttore / Gearbox version

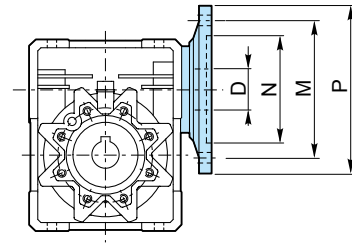


\* Tutta la gamma viene fornita in posizione Universale / All the gearboxes are supplied suitable for universal mounting.

## Predisposizioni IEC / IEC Pre-arrangements



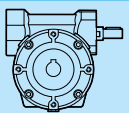
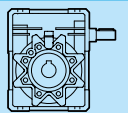
**030 - 044 - 049**



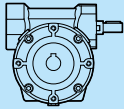
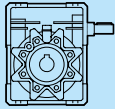
**063 - 075 - 086**

VTS	IEC	N	M	P	D																									
					R7	R10	R12	R14	R15	R18	R19	R20	R23	R24	R25	R28	R30	R35	R36	R38	R40	R45	R46	R50	R56	R60	R64	R70	R80	R100
030	63B5	95	115	140	11	11	-	-	11	-	-	11	-	-	-	-	11	-	-	-	11	-	-	-	11	-	11	-	-	
	63B14	60	75	90																										
	56B14	50	65	80	9	9	-	-	9	-	-	9	-	-	-	-	9	-	-	-	9	-	-	-	9	-	9	-	-	
044	71B5	110	130	160	14	14	-	14	-	-	-	14	-	-	-	14	-	14	-	-	-	-	14	-	-	14	-	14	-	14
	71B14	70	85	105																										
	63B5	95	115	140	11	11	-	11	-	-	-	11	-	-	-	11	-	11	-	-	-	-	11	-	-	11	-	11	-	11
	63B14	60	75	90																										
049	80B5	130	165	200	19	19	-	19	-	19	-	-	-	19	-	19	-	-	19	-	-	19	-	-	19	-	19	19	19	
	80B14	80	100	120																										
	71B5	110	130	160	14	14	-	14	-	14	-	-	-	14	-	14	-	-	14	-	-	14	-	-	14	-	14	14	14	
	71B14	70	85	105																										
	63B5	95	115	140	11	11	-	11	-	11	-	-	-	11	-	11	-	-	11	-	-	11	-	-	11	-	11	11	11	
063	90B5	130	165	200	24	24	24	-	24	-	-	24	-	-	24	-	-	24	-	24	-	24	-	24	-	24	-	24	24	
	90B14	95	115	140																										
	80B5	130	165	200	19	19	19	-	19	-	19	-	-	19	-	19	-	-	19	-	19	-	19	-	-	19	-	19	19	
	80B14	80	100	120																										
	71B5	110	130	160	14	14	14	-	14	-	14	-	-	14	-	14	-	-	14	-	14	-	14	-	-	14	-	14	14	
075	100/112B5	180	215	250	28	28	-	-	28	-	-	28	-	-	28	-	28	-	-	-	-	-	-	-	-	-	-	-		
	100/112B14	110	130	160																										
	90B5	130	165	200	24	24	-	-	24	-	-	24	-	-	24	-	24	-	-	24	-	24	-	24	-	24	-	24	24	
	90B14	95	115	140																										
	80B5	130	165	200	19	19	-	-	19	-	-	19	-	-	19	-	19	-	-	19	-	19	-	19	-	-	19	19		
	80B14	80	100	120																										
086	71B5	110	130	160	14	14	-	-	14	-	-	14	-	-	14	-	14	-	-	14	-	14	-	14	-	14	-	14	14	
	100/112B5	180	215	250	28	28	-	-	28	-	-	28	28	-	-	-	28	-	-	-	28	-	28	-	-	-	-	-		
	100/112B14	110	130	160																										
	90B5	130	165	200	24	24	-	-	24	-	-	24	24	-	-	-	24	-	-	24	-	24	-	24	-	24	-	24	24	
	90B14	95	115	140																										
	80B5	130	165	200	19	19	-	-	19	-	-	19	19	-	-	-	19	-	-	19	-	19	-	19	-	19	-	19	19	
086	80B14	80	100	120																										

Dati tecnici riduttore / Gearbox technical data

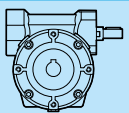
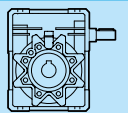
			Grandezza / Size						
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
R7	2800	400.0	Mm <sub>2</sub> [Nm]	12	22	41	105	170	225
			Pm <sub>1</sub> [kW]	0.58	1.10	2.00	4.90	7.80	10.40
			Rd	0.87	0.88	0.88	0.90	0.91	0.91
			Fr <sub>2</sub> [N]	510	950	950	1010	700	2930
			Fr <sub>1</sub> [N]	120	220	400	480	750	850
	1400	200.0	Mm <sub>2</sub> [Nm]	16	29	54	120	190	250
			Pm <sub>1</sub> [kW]	0.41	0.75	1.30	2.90	4.40	5.90
			Rd	0.84	0.86	0.86	0.88	0.90	0.89
			Fr <sub>2</sub> [N]	630	1180	1170	1550	1530	3920
			Fr <sub>1</sub> [N]	140	220	400	480	750	850
	900	128.6	Mm <sub>2</sub> [Nm]	18	39	61	130	205	270
			Pm <sub>1</sub> [kW]	0.30	0.63	0.97	2.00	3.10	4.10
			Rd	0.82	0.85	0.85	0.87	0.88	0.88
			Fr <sub>2</sub> [N]	730	1300	1370	1870	2120	4670
			Fr <sub>1</sub> [N]	150	220	400	480	750	850
	500	71.4	Mm <sub>2</sub> [Nm]	20	45	74	140	225	295
Pm <sub>1</sub> [kW]			0.19	0.41	0.67	1.20	2.00	2.60	
Rd			0.81	0.83	0.83	0.84	0.86	0.85	
Fr <sub>2</sub> [N]			920	1610	1670	2420	2940	5890	
Fr <sub>1</sub> [N]			150	220	400	480	750	850	
R10	2800	280.0	Mm <sub>2</sub> [Nm]	12	22	44	125	205	260
			Pm <sub>1</sub> [kW]	0.41	0.74	1.50	4.20	6.70	8.50
			Rd	0.85	0.87	0.86	0.88	0.90	0.90
			Fr <sub>2</sub> [N]	620	1150	1140	1360	1610	3490
			Fr <sub>1</sub> [N]	70	220	400	370	750	850
	1400	140.0	Mm <sub>2</sub> [Nm]	16	29	59	140	230	290
			Pm <sub>1</sub> [kW]	0.30	0.51	1.00	2.40	3.80	4.80
			Rd	0.81	0.84	0.84	0.86	0.88	0.88
			Fr <sub>2</sub> [N]	770	1430	1410	1840	2240	4620
			Fr <sub>1</sub> [N]	80	220	400	480	750	850
	900	90.0	Mm <sub>2</sub> [Nm]	18	39	64	150	250	310
			Pm <sub>1</sub> [kW]	0.22	0.45	0.75	1.70	2.70	3.40
			Rd	0.79	0.82	0.82	0.84	0.86	0.86
			Fr <sub>2</sub> [N]	900	1610	1670	2220	2700	5500
			Fr <sub>1</sub> [N]	150	220	400	480	750	850
	500	50.0	Mm <sub>2</sub> [Nm]	20	45	74	165	275	345
Pm <sub>1</sub> [kW]			0.14	0.29	0.49	1.10	1.70	2.20	
Rd			0.77	0.80	0.80	0.81	0.84	0.82	
Fr <sub>2</sub> [N]			1120	1980	2060	2830	3480	6860	
Fr <sub>1</sub> [N]			150	220	400	480	750	850	
R12	2800	233.3	Mm <sub>2</sub> [Nm]	-	-	-	125	-	-
			Pm <sub>1</sub> [kW]	-	-	-	3.50	-	-
			Rd	-	-	-	0.87	-	-
			Fr <sub>2</sub> [N]	-	-	-	1540	-	-
			Fr <sub>1</sub> [N]	-	-	-	435	-	-
	1400	116.7	Mm <sub>2</sub> [Nm]	-	-	-	140	-	-
			Pm <sub>1</sub> [kW]	-	-	-	2.00	-	-
			Rd	-	-	-	0.85	-	-
			Fr <sub>2</sub> [N]	-	-	-	2070	-	-
			Fr <sub>1</sub> [N]	-	-	-	480	-	-
	900	75.0	Mm <sub>2</sub> [Nm]	-	-	-	150	-	-
			Pm <sub>1</sub> [kW]	-	-	-	1.40	-	-
			Rd	-	-	-	0.82	-	-
			Fr <sub>2</sub> [N]	-	-	-	2480	-	-
			Fr <sub>1</sub> [N]	-	-	-	480	-	-
	500	41.7	Mm <sub>2</sub> [Nm]	-	-	-	165	-	-
Pm <sub>1</sub> [kW]			-	-	-	0.92	-	-	
Rd			-	-	-	0.79	-	-	
Fr <sub>2</sub> [N]			-	-	-	3140	-	-	
Fr <sub>1</sub> [N]			-	-	-	480	-	-	

**Dati tecnici riduttore / Gearbox technical data**

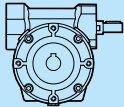
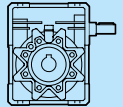
					Grandezza / Size				
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
<b>R14</b>	2800	<b>200.0</b>	Mm <sub>2</sub> [Nm]	-	22	49	-	-	-
			Pm <sub>1</sub> [kW]	-	0.55	1.20	-	-	-
			Rd	-	0.84	0.84	-	-	-
			Fr <sub>2</sub> [N]	-	1340	1310	-	-	-
			Fr <sub>1</sub> [N]	-	220	400	-	-	-
	1400	<b>100.0</b>	Mm <sub>2</sub> [Nm]	-	29	65	-	-	-
			Pm <sub>1</sub> [kW]	-	0.37	0.90	-	-	-
			Rd	-	0.81	0.81	-	-	-
			Fr <sub>2</sub> [N]	-	1680	1630	-	-	-
			Fr <sub>1</sub> [N]	-	220	400	-	-	-
	900	<b>64.3</b>	Mm <sub>2</sub> [Nm]	-	39	71	-	-	-
			Pm <sub>1</sub> [kW]	-	0.34	0.61	-	-	-
Rd			-	0.78	0.78	-	-	-	
Fr <sub>2</sub> [N]			-	1890	1920	-	-	-	
Fr <sub>1</sub> [N]			-	220	400	-	-	-	
500	<b>35.7</b>	Mm <sub>2</sub> [Nm]	-	50	78	-	-	-	
		Pm <sub>1</sub> [kW]	-	0.25	0.39	-	-	-	
		Rd	-	0.76	0.75	-	-	-	
		Fr <sub>2</sub> [N]	-	2280	2400	-	-	-	
		Fr <sub>1</sub> [N]	-	220	400	-	-	-	
<b>R15</b>	2800	<b>186.7</b>	Mm <sub>2</sub> [Nm]	14	-	-	125	187	295
			Pm <sub>1</sub> [kW]	0.34	-	-	2.80	5.00	6.60
			Rd	0.81	-	-	0.86	0.88	0.87
			Fr <sub>2</sub> [N]	720	-	-	1770	2120	4200
			Fr <sub>1</sub> [N]	-	-	-	410	750	850
	1400	<b>93.3</b>	Mm <sub>2</sub> [Nm]	18	-	-	150	250	330
			Pm <sub>1</sub> [kW]	0.24	-	-	1.80	2.90	3.80
			Rd	0.76	-	-	0.83	0.85	0.85
			Fr <sub>2</sub> [N]	910	-	-	2280	2870	5510
			Fr <sub>1</sub> [N]	-	-	-	480	750	850
	900	<b>60.0</b>	Mm <sub>2</sub> [Nm]	20	-	-	160	270	355
			Pm <sub>1</sub> [kW]	0.17	-	-	1.30	2.00	2.70
Rd			0.74	-	-	0.80	0.83	0.82	
Fr <sub>2</sub> [N]			1060	-	-	2740	3440	6520	
Fr <sub>1</sub> [N]			-	-	-	480	750	850	
500	<b>33.3</b>	Mm <sub>2</sub> [Nm]	22	-	-	180	295	390	
		Pm <sub>1</sub> [kW]	0.11	-	-	0.83	1.30	1.70	
		Rd	0.71	-	-	0.76	0.80	0.78	
		Fr <sub>2</sub> [N]	1320	-	-	3430	4380	7000	
		Fr <sub>1</sub> [N]	-	-	-	480	750	850	
<b>R18</b>	2800	<b>155.6</b>	Mm <sub>2</sub> [Nm]	-	-	44	-	-	-
			Pm <sub>1</sub> [kW]	-	-	0.87	-	-	-
			Rd	-	-	0.82	-	-	-
			Fr <sub>2</sub> [N]	-	-	1520	-	-	-
			Fr <sub>1</sub> [N]	-	-	400	-	-	-
	1400	<b>77.8</b>	Mm <sub>2</sub> [Nm]	-	-	59	-	-	-
			Pm <sub>1</sub> [kW]	-	-	0.60	-	-	-
			Rd	-	-	0.78	-	-	-
			Fr <sub>2</sub> [N]	-	-	1890	-	-	-
			Fr <sub>1</sub> [N]	-	-	400	-	-	-
	900	<b>50.0</b>	Mm <sub>2</sub> [Nm]	-	-	68	-	-	-
			Pm <sub>1</sub> [kW]	-	-	0.47	-	-	-
Rd			-	-	0.75	-	-	-	
Fr <sub>2</sub> [N]			-	-	2190	-	-	-	
Fr <sub>1</sub> [N]			-	-	400	-	-	-	
500	<b>27.8</b>	Mm <sub>2</sub> [Nm]	-	-	74	-	-	-	
		Pm <sub>1</sub> [kW]	-	-	0.30	-	-	-	
		Rd	-	-	0.72	-	-	-	
		Fr <sub>2</sub> [N]	-	-	2730	-	-	-	
		Fr <sub>1</sub> [N]	-	-	400	-	-	-	



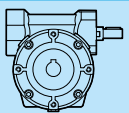
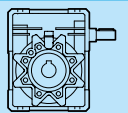
Dati tecnici riduttore / Gearbox technical data

			Grandezza / Size						
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
R19	2800	147.4	Mm <sub>2</sub> [Nm]	-	-	-	130	-	-
			Pm <sub>1</sub> [kW]	-	-	-	2.40	-	-
			Rd	-	-	-	0.84	-	-
			Fr <sub>2</sub> [N]	-	-	-	1990	-	-
			Fr <sub>1</sub> [N]	-	-	-	310	-	-
	1400	73.7	Mm <sub>2</sub> [Nm]	-	-	-	150	-	-
			Pm <sub>1</sub> [kW]	-	-	-	1.40	-	-
			Rd	-	-	-	0.81	-	-
			Fr <sub>2</sub> [N]	-	-	-	2600	-	-
			Fr <sub>1</sub> [N]	-	-	-	480	-	-
	900	47.4	Mm <sub>2</sub> [Nm]	-	-	-	160	-	-
			Pm <sub>1</sub> [kW]	-	-	-	1.00	-	-
Rd			-	-	-	0.78	-	-	
Fr <sub>2</sub> [N]			-	-	-	3100	-	-	
Fr <sub>1</sub> [N]			-	-	-	480	-	-	
500	26.3	Mm <sub>2</sub> [Nm]	-	-	-	180	-	-	
		Pm <sub>1</sub> [kW]	-	-	-	0.68	-	-	
		Rd	-	-	-	0.73	-	-	
		Fr <sub>2</sub> [N]	-	-	-	3860	-	-	
		Fr <sub>1</sub> [N]	-	-	-	480	-	-	
R20	2800	140.0	Mm <sub>2</sub> [Nm]	14	29	-	-	140	285
			Pm <sub>1</sub> [kW]	0.26	0.52	-	-	3.80	4.90
			Rd	0.78	0.81	-	-	0.86	0.86
			Fr <sub>2</sub> [N]	820	1490	-	-	2550	4900
			Fr <sub>1</sub> [N]	-	220	-	-	750	850
	1400	70.0	Mm <sub>2</sub> [Nm]	18	39	-	-	250	320
			Pm <sub>1</sub> [kW]	0.19	0.37	-	-	2.20	2.80
			Rd	0.73	0.77	-	-	0.83	0.84
			Fr <sub>2</sub> [N]	1030	1860	-	-	3410	6380
			Fr <sub>1</sub> [N]	-	220	-	-	750	850
	900	45.0	Mm <sub>2</sub> [Nm]	20	45	-	-	270	345
			Pm <sub>1</sub> [kW]	0.14	0.29	-	-	1.60	2.00
Rd			0.70	0.74	-	-	0.80	0.81	
Fr <sub>2</sub> [N]			1200	2160	-	-	4050	7000	
Fr <sub>1</sub> [N]			-	220	-	-	750	850	
500	25.0	Mm <sub>2</sub> [Nm]	22	50	-	-	295	380	
		Pm <sub>1</sub> [kW]	0.09	0.18	-	-	1.00	1.30	
		Rd	0.67	0.72	-	-	0.77	0.77	
		Fr <sub>2</sub> [N]	1490	2500	-	-	5120	7000	
		Fr <sub>1</sub> [N]	150	220	-	-	750	850	
R23	2800	121.7	Mm <sub>2</sub> [Nm]	-	-	-	-	-	285
			Pm <sub>1</sub> [kW]	-	-	-	-	-	4.30
			Rd	-	-	-	-	-	0.85
			Fr <sub>2</sub> [N]	-	-	-	-	-	5250
			Fr <sub>1</sub> [N]	-	-	-	-	-	850
	1400	60.9	Mm <sub>2</sub> [Nm]	-	-	-	-	-	320
			Pm <sub>1</sub> [kW]	-	-	-	-	-	2.50
			Rd	-	-	-	-	-	0.82
			Fr <sub>2</sub> [N]	-	-	-	-	-	6800
			Fr <sub>1</sub> [N]	-	-	-	-	-	850
	900	39.1	Mm <sub>2</sub> [Nm]	-	-	-	-	-	345
			Pm <sub>1</sub> [kW]	-	-	-	-	-	1.80
Rd			-	-	-	-	-	0.80	
Fr <sub>2</sub> [N]			-	-	-	-	-	7000	
Fr <sub>1</sub> [N]			-	-	-	-	-	850	
500	21.1	Mm <sub>2</sub> [Nm]	-	-	-	-	-	380	
		Pm <sub>1</sub> [kW]	-	-	-	-	-	1.20	
		Rd	-	-	-	-	-	0.75	
		Fr <sub>2</sub> [N]	-	-	-	-	-	7000	
		Fr <sub>1</sub> [N]	-	-	-	-	-	850	

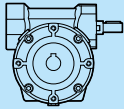
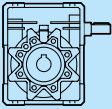
**Dati tecnici riduttore / Gearbox technical data**

				Grandezza / Size					
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
<b>R24</b>	2800	<b>116.7</b>	Mm <sub>2</sub> [Nm]	-	-	47	130	-	-
			Pm <sub>1</sub> [kW]	-	-	0.73	1.90	-	-
			Rd	-	-	0.79	0.82	-	-
			Fr <sub>2</sub> [N]	-	-	1670	2250	-	-
			Fr <sub>1</sub> [N]	-	-	400	370	-	-
	1400	<b>58.3</b>	Mm <sub>2</sub> [Nm]	-	-	63	155	-	-
			Pm <sub>1</sub> [kW]	-	-	0.50	1.20	-	-
			Rd	-	-	0.75	0.78	-	-
			Fr <sub>2</sub> [N]	-	-	2110	2890	-	-
			Fr <sub>1</sub> [N]	-	-	400	480	-	-
	900	<b>37.5</b>	Mm <sub>2</sub> [Nm]	-	-	68	165	-	-
			Pm <sub>1</sub> [kW]	-	-	0.36	0.86	-	-
Rd			-	-	0.71	0.75	-	-	
Fr <sub>2</sub> [N]			-	-	2480	3440	-	-	
Fr <sub>1</sub> [N]			-	-	400	480	-	-	
500	<b>20.8</b>	Mm <sub>2</sub> [Nm]	-	-	74	185	-	-	
		Pm <sub>1</sub> [kW]	-	-	0.24	0.58	-	-	
		Rd	-	-	0.68	0.70	-	-	
		Fr <sub>2</sub> [N]	-	-	3090	4280	-	-	
		Fr <sub>1</sub> [N]	-	-	400	480	-	-	
<b>R25</b>	2800	<b>112.0</b>	Mm <sub>2</sub> [Nm]	-	-	-	-	112	-
			Pm <sub>1</sub> [kW]	-	-	-	-	3.20	-
			Rd	-	-	-	-	0.83	-
			Fr <sub>2</sub> [N]	-	-	-	-	2900	-
			Fr <sub>1</sub> [N]	-	-	-	-	750	-
	1400	<b>56.0</b>	Mm <sub>2</sub> [Nm]	-	-	-	-	250	-
			Pm <sub>1</sub> [kW]	-	-	-	-	1.80	-
			Rd	-	-	-	-	0.80	-
			Fr <sub>2</sub> [N]	-	-	-	-	3840	-
			Fr <sub>1</sub> [N]	-	-	-	-	750	-
	900	<b>36.0</b>	Mm <sub>2</sub> [Nm]	-	-	-	-	270	-
			Pm <sub>1</sub> [kW]	-	-	-	-	1.30	-
Rd			-	-	-	-	0.77	-	
Fr <sub>2</sub> [N]			-	-	-	-	4550	-	
Fr <sub>1</sub> [N]			-	-	-	-	750	-	
500	<b>20.0</b>	Mm <sub>2</sub> [Nm]	-	-	-	-	295	-	
		Pm <sub>1</sub> [kW]	-	-	-	-	0.85	-	
		Rd	-	-	-	-	0.73	-	
		Fr <sub>2</sub> [N]	-	-	-	-	5720	-	
		Fr <sub>1</sub> [N]	-	-	-	-	750	-	
<b>R28</b>	2800	<b>100.0</b>	Mm <sub>2</sub> [Nm]	-	29	56	-	-	-
			Pm <sub>1</sub> [kW]	-	0.40	0.78	-	-	-
			Rd	-	0.76	0.75	-	-	-
			Fr <sub>2</sub> [N]	-	1710	1740	-	-	-
			Fr <sub>1</sub> [N]	-	220	400	-	-	-
	1400	<b>50.0</b>	Mm <sub>2</sub> [Nm]	-	39	74	-	-	-
			Pm <sub>1</sub> [kW]	-	0.29	0.55	-	-	-
			Rd	-	0.71	0.71	-	-	-
			Fr <sub>2</sub> [N]	-	2140	2170	-	-	-
			Fr <sub>1</sub> [N]	-	220	400	-	-	-
	900	<b>32.1</b>	Mm <sub>2</sub> [Nm]	-	49	82	-	-	-
			Pm <sub>1</sub> [kW]	-	0.24	0.41	-	-	-
Rd			-	0.67	0.67	-	-	-	
Fr <sub>2</sub> [N]			-	2300	2540	-	-	-	
Fr <sub>1</sub> [N]			-	220	400	-	-	-	
500	<b>17.9</b>	Mm <sub>2</sub> [Nm]	-	55	88	-	-	-	
		Pm <sub>1</sub> [kW]	-	0.16	0.26	-	-	-	
		Rd	-	0.64	0.63	-	-	-	
		Fr <sub>2</sub> [N]	-	2500	3180	-	-	-	
		Fr <sub>1</sub> [N]	-	220	400	-	-	-	

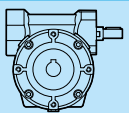
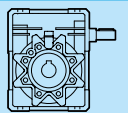
Dati tecnici riduttore / Gearbox technical data

			Grandezza / Size						
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
R30	2800	93.3	Mm <sub>2</sub> [Nm]	15	-	-	125	93	320
			Pm <sub>1</sub> [kW]	0.21	-	-	1.60	2.90	3.90
			Rd	0.71	-	-	0.78	0.81	0.81
			Fr <sub>2</sub> [N]	960	-	-	2540	3100	5740
			Fr <sub>1</sub> [N]	-	-	-	440	750	850
	1400	46.7	Mm <sub>2</sub> [Nm]	20	-	-	160	270	370
			Pm <sub>1</sub> [kW]	0.15	-	-	1.10	1.70	2.40
			Rd	0.65	-	-	0.74	0.77	0.76
			Fr <sub>2</sub> [N]	1200	-	-	3170	4090	7000
			Fr <sub>1</sub> [N]	-	-	-	480	750	850
	900	30.0	Mm <sub>2</sub> [Nm]	22	-	-	170	290	400
			Pm <sub>1</sub> [kW]	0.12	-	-	0.76	1.20	1.70
Rd			0.61	-	-	0.70	0.74	0.73	
Fr <sub>2</sub> [N]			1400	-	-	3770	4860	7000	
Fr <sub>1</sub> [N]			-	-	-	480	750	850	
500	16.7	Mm <sub>2</sub> [Nm]	24	-	-	190	320	440	
		Pm <sub>1</sub> [kW]	0.07	-	-	0.52	0.81	1.10	
		Rd	0.58	-	-	0.64	0.69	0.67	
		Fr <sub>2</sub> [N]	1700	-	-	4690	6080	7000	
		Fr <sub>1</sub> [N]	-	-	-	480	750	850	
R35	2800	80.0	Mm <sub>2</sub> [Nm]	-	29	-	-	-	-
			Pm <sub>1</sub> [kW]	-	0.33	-	-	-	-
			Rd	-	0.73	-	-	-	-
			Fr <sub>2</sub> [N]	-	1870	-	-	-	-
			Fr <sub>1</sub> [N]	-	220	-	-	-	-
	1400	40.0	Mm <sub>2</sub> [Nm]	-	39	-	-	-	-
			Pm <sub>1</sub> [kW]	-	0.25	-	-	-	-
			Rd	-	0.68	-	-	-	-
			Fr <sub>2</sub> [N]	-	2300	-	-	-	-
			Fr <sub>1</sub> [N]	-	220	-	-	-	-
	900	25.7	Mm <sub>2</sub> [Nm]	-	49	-	-	-	-
			Pm <sub>1</sub> [kW]	-	0.20	-	-	-	-
Rd			-	0.64	-	-	-	-	
Fr <sub>2</sub> [N]			-	2300	-	-	-	-	
Fr <sub>1</sub> [N]			-	220	-	-	-	-	
500	14.3	Mm <sub>2</sub> [Nm]	-	55	-	-	-	-	
		Pm <sub>1</sub> [kW]	-	0.14	-	-	-	-	
		Rd	-	0.60	-	-	-	-	
		Fr <sub>2</sub> [N]	-	2500	-	-	-	-	
		Fr <sub>1</sub> [N]	-	220	-	-	-	-	
R36	2800	77.8	Mm <sub>2</sub> [Nm]	-	-	52	-	-	-
			Pm <sub>1</sub> [kW]	-	-	0.59	-	-	-
			Rd	-	-	0.72	-	-	-
			Fr <sub>2</sub> [N]	-	-	1970	-	-	-
			Fr <sub>1</sub> [N]	-	-	400	-	-	-
	1400	38.9	Mm <sub>2</sub> [Nm]	-	-	69	-	-	-
			Pm <sub>1</sub> [kW]	-	-	0.42	-	-	-
			Rd	-	-	0.67	-	-	-
			Fr <sub>2</sub> [N]	-	-	2460	-	-	-
			Fr <sub>1</sub> [N]	-	-	400	-	-	-
	900	25.0	Mm <sub>2</sub> [Nm]	-	-	75	-	-	-
			Pm <sub>1</sub> [kW]	-	-	0.31	-	-	-
Rd			-	-	0.63	-	-	-	
Fr <sub>2</sub> [N]			-	-	2880	-	-	-	
Fr <sub>1</sub> [N]			-	-	400	-	-	-	
500	13.9	Mm <sub>2</sub> [Nm]	-	-	80	-	-	-	
		Pm <sub>1</sub> [kW]	-	-	0.20	-	-	-	
		Rd	-	-	0.59	-	-	-	
		Fr <sub>2</sub> [N]	-	-	3450	-	-	-	
		Fr <sub>1</sub> [N]	-	-	400	-	-	-	

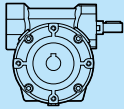
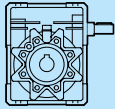
**Dati tecnici riduttore / Gearbox technical data**

					Grandezza / Size				
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
<b>R38</b>	2800	<b>37.7</b>	Mm <sub>2</sub> [Nm]	-	-	-	130	-	-
			Pm <sub>1</sub> [kW]	-	-	-	1.40	-	-
			Rd	-	-	-	0.75	-	-
			Fr <sub>2</sub> [N]	-	-	-	2800	-	-
			Fr <sub>1</sub> [N]	-	-	-	330	-	-
	1400	<b>36.8</b>	Mm <sub>2</sub> [Nm]	-	-	-	155	-	-
			Pm <sub>1</sub> [kW]	-	-	-	0.85	-	-
			Rd	-	-	-	0.70	-	-
			Fr <sub>2</sub> [N]	-	-	-	3580	-	-
			Fr <sub>1</sub> [N]	-	-	-	480	-	-
	900	<b>23.7</b>	Mm <sub>2</sub> [Nm]	-	-	-	165	-	-
			Pm <sub>1</sub> [kW]	-	-	-	0.62	-	-
Rd			-	-	-	0.66	-	-	
Fr <sub>2</sub> [N]			-	-	-	4240	-	-	
Fr <sub>1</sub> [N]			-	-	-	480	-	-	
500	<b>13.2</b>	Mm <sub>2</sub> [Nm]	-	-	-	185	-	-	
		Pm <sub>1</sub> [kW]	-	-	-	0.42	-	-	
		Rd	-	-	-	0.61	-	-	
		Fr <sub>2</sub> [N]	-	-	-	5000	-	-	
		Fr <sub>1</sub> [N]	-	-	-	480	-	-	
<b>R40</b>	2800	<b>70.0</b>	Mm <sub>2</sub> [Nm]	14	-	-	-	70	295
			Pm <sub>1</sub> [kW]	0.16	-	-	-	2.10	2.70
			Rd	0.66	-	-	-	0.77	0.79
			Fr <sub>2</sub> [N]	1090	-	-	-	3660	6670
			Fr <sub>1</sub> [N]	-	-	-	-	750	850
	1400	<b>35.0</b>	Mm <sub>2</sub> [Nm]	19	-	-	-	255	330
			Pm <sub>1</sub> [kW]	0.12	-	-	-	1.30	1.60
			Rd	0.60	-	-	-	0.72	0.75
			Fr <sub>2</sub> [N]	1360	-	-	-	4770	7000
			Fr <sub>1</sub> [N]	-	-	-	-	750	850
	900	<b>22.5</b>	Mm <sub>2</sub> [Nm]	20	-	-	-	275	355
			Pm <sub>1</sub> [kW]	0.09	-	-	-	1.00	1.20
Rd			0.56	-	-	-	0.68	0.71	
Fr <sub>2</sub> [N]			1590	-	-	-	5630	7000	
Fr <sub>1</sub> [N]			-	-	-	-	750	850	
500	<b>12.5</b>	Mm <sub>2</sub> [Nm]	22	-	-	-	305	390	
		Pm <sub>1</sub> [kW]	0.06	-	-	-	0.63	0.77	
		Rd	0.53	-	-	-	0.63	0.66	
		Fr <sub>2</sub> [N]	1700	-	-	-	6200	7000	
		Fr <sub>1</sub> [N]	-	-	-	-	750	850	
<b>R45</b>	2800	<b>62.2</b>	Mm <sub>2</sub> [Nm]	-	-	49	130	-	-
			Pm <sub>1</sub> [kW]	-	-	0.46	1.20	-	-
			Rd	-	-	0.69	0.73	-	-
			Fr <sub>2</sub> [N]	-	-	2180	3020	-	-
			Fr <sub>1</sub> [N]	-	-	400	380	-	-
	1400	<b>31.1</b>	Mm <sub>2</sub> [Nm]	-	-	65	145	-	-
			Pm <sub>1</sub> [kW]	-	-	0.33	0.71	-	-
			Rd	-	-	0.63	0.67	-	-
			Fr <sub>2</sub> [N]	-	-	2724	3920	-	-
			Fr <sub>1</sub> [N]	-	-	400	480	-	-
	900	<b>20.0</b>	Mm <sub>2</sub> [Nm]	-	-	71	155	-	-
			Pm <sub>1</sub> [kW]	-	-	0.25	0.52	-	-
Rd			-	-	0.59	0.63	-	-	
Fr <sub>2</sub> [N]			-	-	3190	4630	-	-	
Fr <sub>1</sub> [N]			-	-	400	480	-	-	
500	<b>11.1</b>	Mm <sub>2</sub> [Nm]	-	-	78	170	-	-	
		Pm <sub>1</sub> [kW]	-	-	0.17	0.34	-	-	
		Rd	-	-	0.55	0.58	-	-	
		Fr <sub>2</sub> [N]	-	-	3450	5000	-	-	
		Fr <sub>1</sub> [N]	-	-	400	480	-	-	

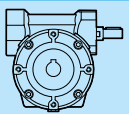
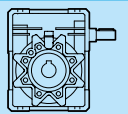
Dati tecnici riduttore / Gearbox technical data

				Grandezza / Size					
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
R46	2800	60.9	Mm <sub>2</sub> [Nm]	-	29	-	-	-	305
			Pm <sub>1</sub> [kW]	-	0.27	-	-	-	2.5
			Rd	-	0.69	-	-	-	0.77
			Fr <sub>2</sub> [N]	-	2080	-	-	-	7000
			Fr <sub>1</sub> [N]	-	220	-	-	-	850
	1400	30.4	Mm <sub>2</sub> [Nm]	-	39	-	-	-	340
			Pm <sub>1</sub> [kW]	-	0.19	-	-	-	1.5
			Rd	-	0.63	-	-	-	0.73
			Fr <sub>2</sub> [N]	-	2300	-	-	-	7000
			Fr <sub>1</sub> [N]	-	220	-	-	-	850
	900	19.6	Mm <sub>2</sub> [Nm]	-	49	-	-	-	365
			Pm <sub>1</sub> [kW]	-	0.17	-	-	-	1.1
Rd			-	0.59	-	-	-	0.69	
Fr <sub>2</sub> [N]			-	2300	-	-	-	7000	
Fr <sub>1</sub> [N]			-	220	-	-	-	850	
500	10.9	Mm <sub>2</sub> [Nm]	-	50	-	-	-	405	
		Pm <sub>1</sub> [kW]	-	0.10	-	-	-	0.73	
		Rd	-	0.55	-	-	-	0.63	
		Fr <sub>2</sub> [N]	-	2500	-	-	-	7000	
		Fr <sub>1</sub> [N]	-	220	-	-	-	850	
R50	2800	56.0	Mm <sub>2</sub> [Nm]	-	-	-	-	56	-
			Pm <sub>1</sub> [kW]	-	-	-	-	1.60	-
			Rd	-	-	-	-	0.73	-
			Fr <sub>2</sub> [N]	-	-	-	-	4180	-
			Fr <sub>1</sub> [N]	-	-	-	-	750	-
	1400	28.0	Mm <sub>2</sub> [Nm]	-	-	-	-	220	-
			Pm <sub>1</sub> [kW]	-	-	-	-	0.95	-
			Rd	-	-	-	-	0.68	-
			Fr <sub>2</sub> [N]	-	-	-	-	5410	-
			Fr <sub>1</sub> [N]	-	-	-	-	750	-
	900	18.0	Mm <sub>2</sub> [Nm]	-	-	-	-	235	-
			Pm <sub>1</sub> [kW]	-	-	-	-	0.70	-
Rd			-	-	-	-	0.63	-	
Fr <sub>2</sub> [N]			-	-	-	-	6200	-	
Fr <sub>1</sub> [N]			-	-	-	-	750	-	
500	10.0	Mm <sub>2</sub> [Nm]	-	-	-	-	260	-	
		Pm <sub>1</sub> [kW]	-	-	-	-	0.47	-	
		Rd	-	-	-	-	0.58	-	
		Fr <sub>2</sub> [N]	-	-	-	-	6200	-	
		Fr <sub>1</sub> [N]	-	-	-	-	750	-	
R56	2800	50.0	Mm <sub>2</sub> [Nm]	-	-	-	-	-	265
			Pm <sub>1</sub> [kW]	-	-	-	-	-	1.80
			Rd	-	-	-	-	-	0.75
			Fr <sub>2</sub> [N]	-	-	-	-	-	7000
			Fr <sub>1</sub> [N]	-	-	-	-	-	850
	1400	25.0	Mm <sub>2</sub> [Nm]	-	-	-	-	-	300
			Pm <sub>1</sub> [kW]	-	-	-	-	-	1.10
			Rd	-	-	-	-	-	0.70
			Fr <sub>2</sub> [N]	-	-	-	-	-	7000
			Fr <sub>1</sub> [N]	-	-	-	-	-	850
	900	16.1	Mm <sub>2</sub> [Nm]	-	-	-	-	-	325
			Pm <sub>1</sub> [kW]	-	-	-	-	-	0.83
Rd			-	-	-	-	-	0.66	
Fr <sub>2</sub> [N]			-	-	-	-	-	7000	
Fr <sub>1</sub> [N]			-	-	-	-	-	850	
500	8.9	Mm <sub>2</sub> [Nm]	-	-	-	-	-	355	
		Pm <sub>1</sub> [kW]	-	-	-	-	-	0.55	
		Rd	-	-	-	-	-	0.60	
		Fr <sub>2</sub> [N]	-	-	-	-	-	7000	
		Fr <sub>1</sub> [N]	-	-	-	-	-	850	




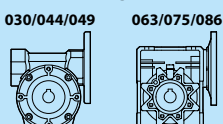
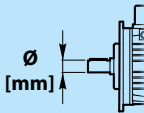


**Dati tecnici riduttore / Gearbox technical data**

			Grandezza / Size						
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
<b>R60</b>	2800	<b>46.7</b>	Mm <sub>2</sub> [Nm]	14	29	44	-	47	-
			Pm <sub>1</sub> [kW]	0.12	0.22	0.34	-	1.30	-
			Rd	0.59	0.65	0.64	-	0.70	-
			Fr <sub>2</sub> [N]	1270	2290	2480	-	4610	-
			Fr <sub>1</sub> [N]	-	220	400	-	750	-
	1400	<b>23.3</b>	Mm <sub>2</sub> [Nm]	19	39	59	-	200	-
			Pm <sub>1</sub> [kW]	0.09	0.16	0.25	-	0.75	-
			Rd	0.51	0.58	0.58	-	0.65	-
			Fr <sub>2</sub> [N]	1590	2300	3100	-	5960	-
			Fr <sub>1</sub> [N]	-	220	400	-	750	-
	900	<b>15.0</b>	Mm <sub>2</sub> [Nm]	20	45	64	-	215	-
			Pm <sub>1</sub> [kW]	0.07	0.13	0.19	-	0.56	-
Rd			0.48	0.54	0.53	-	0.60	-	
Fr <sub>2</sub> [N]			1650	2300	3300	-	6200	-	
Fr <sub>1</sub> [N]			-	220	400	-	750	-	
500	<b>8.3</b>	Mm <sub>2</sub> [Nm]	22	50	69	-	235	-	
		Pm <sub>1</sub> [kW]	0.05	0.09	0.12	-	0.37	-	
		Rd	0.44	0.50	0.49	-	0.55	-	
		Fr <sub>2</sub> [N]	1700	2500	3450	-	6200	-	
		Fr <sub>1</sub> [N]	-	220	400	-	750	-	
<b>R64</b>	2800	<b>43.8</b>	Mm <sub>2</sub> [Nm]	-	-	-	110	-	250
			Pm <sub>1</sub> [kW]	-	-	-	0.75	-	1.6
			Rd	-	-	-	0.67	-	0.73
			Fr <sub>2</sub> [N]	-	-	-	3650	-	7000
			Fr <sub>1</sub> [N]	-	-	-	480	-	850
	1400	<b>21.9</b>	Mm <sub>2</sub> [Nm]	-	-	-	125	-	280
			Pm <sub>1</sub> [kW]	-	-	-	0.47	-	0.94
			Rd	-	-	-	0.61	-	0.68
			Fr <sub>2</sub> [N]	-	-	-	4680	-	7000
			Fr <sub>1</sub> [N]	-	-	-	480	-	850
	900	<b>14.1</b>	Mm <sub>2</sub> [Nm]	-	-	-	135	-	300
			Pm <sub>1</sub> [kW]	-	-	-	0.35	-	0.7
Rd			-	-	-	0.56	-	0.63	
Fr <sub>2</sub> [N]			-	-	-	5000	-	7000	
Fr <sub>1</sub> [N]			-	-	-	480	-	850	
500	<b>7.8</b>	Mm <sub>2</sub> [Nm]	-	-	-	150	-	330	
		Pm <sub>1</sub> [kW]	-	-	-	0.24	-	0.47	
		Rd	-	-	-	0.51	-	0.58	
		Fr <sub>2</sub> [N]	-	-	-	5000	-	7000	
		Fr <sub>1</sub> [N]	-	-	-	480	-	850	
<b>R70</b>	2800	<b>40.0</b>	Mm <sub>2</sub> [Nm]	11	22	41	-	-	-
			Pm <sub>1</sub> [kW]	0.18	0.15	0.28	-	-	-
			Rd	0.55	0.62	0.61	-	-	-
			Fr <sub>2</sub> [N]	1380	2300	2650	-	-	-
			Fr <sub>1</sub> [N]	-	220	400	-	-	-
	1400	<b>20.0</b>	Mm <sub>2</sub> [Nm]	15	29	55	-	-	-
			Pm <sub>1</sub> [kW]	0.07	0.11	0.21	-	-	-
			Rd	0.48	0.55	0.54	-	-	-
			Fr <sub>2</sub> [N]	1600	2300	3150	-	-	-
			Fr <sub>1</sub> [N]	-	220	400	-	-	-
	900	<b>12.9</b>	Mm <sub>2</sub> [Nm]	17	39	60	-	-	-
			Pm <sub>1</sub> [kW]	0.05	0.10	0.16	-	-	-
Rd			0.45	0.51	0.50	-	-	-	
Fr <sub>2</sub> [N]			1700	2300	3300	-	-	-	
Fr <sub>1</sub> [N]			-	220	400	-	-	-	
500	<b>7.1</b>	Mm <sub>2</sub> [Nm]	19	45	69	-	-	-	
		Pm <sub>1</sub> [kW]	0.04	0.07	0.11	-	-	-	
		Rd	0.41	0.47	0.46	-	-	-	
		Fr <sub>2</sub> [N]	1700	2500	3450	-	-	-	
		Fr <sub>1</sub> [N]	-	220	400	-	-	-	

Dati tecnici riduttore / Gearbox technical data



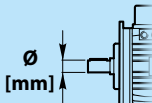
				Grandezza / Size					
									
i	n <sub>1</sub>	n <sub>2</sub>		030	044	049	063	075	086
R80	2800	35.0	Mm <sub>2</sub> [Nm]	-	-	41	100	35	225
			Pm <sub>1</sub> [kW]	-	-	0.25	0.59	0.90	1.20
			Rd	-	-	0.59	0.62	0.65	0.69
			Fr <sub>2</sub> [N]	-	-	2780	4050	5310	7000
			Fr <sub>1</sub> [N]	-	-	400	480	750	850
	1400	17.5	Mm <sub>2</sub> [Nm]	-	-	54	115	180	255
			Pm <sub>1</sub> [kW]	-	-	0.19	0.38	0.56	0.73
			Rd	-	-	0.52	0.56	0.59	0.64
			Fr <sub>2</sub> [N]	-	-	3150	5000	6200	7000
			Fr <sub>1</sub> [N]	-	-	400	480	750	850
	900	11.3	Mm <sub>2</sub> [Nm]	-	-	58	125	195	275
			Pm <sub>1</sub> [kW]	-	-	0.14	0.28	0.43	0.55
Rd			-	-	0.47	0.52	0.54	0.59	
Fr <sub>2</sub> [N]			-	-	3300	5000	6200	7000	
Fr <sub>1</sub> [N]			-	-	400	480	750	850	
500	6.3	Mm <sub>2</sub> [Nm]	-	-	59	135	215	305	
		Pm <sub>1</sub> [kW]	-	-	0.09	0.19	0.29	0.38	
		Rd	-	-	0.43	0.46	0.49	0.53	
		Fr <sub>2</sub> [N]	-	-	3450	5000	6200	7000	
		Fr <sub>1</sub> [N]	-	-	400	480	750	850	
R100	2800	28.0	Mm <sub>2</sub> [Nm]	-	21	37	100	28	205
			Pm <sub>1</sub> [kW]	-	0.11	0.20	0.51	0.65	0.92
			Rd	-	0.55	0.54	0.58	0.61	0.65
			Fr <sub>2</sub> [N]	-	2300	3050	4420	5960	7000
			Fr <sub>1</sub> [N]	-	220	400	480	750	850
	1400	14.0	Mm <sub>2</sub> [Nm]	-	28	49	115	150	230
			Pm <sub>1</sub> [kW]	-	0.09	0.13	0.33	0.40	0.57
			Rd	-	0.47	0.47	0.51	0.55	0.59
			Fr <sub>2</sub> [N]	-	2300	3150	5000	6200	7000
			Fr <sub>1</sub> [N]	-	220	400	480	750	850
	900	9.0	Mm <sub>2</sub> [Nm]	-	30	52	120	160	-
			Pm <sub>1</sub> [kW]	-	0.06	0.11	0.25	0.30	-
			Rd	-	0.43	0.42	0.46	0.50	-
			Fr <sub>2</sub> [N]	-	2300	3300	5000	6200	-
			Fr <sub>1</sub> [N]	-	220	400	480	750	-
	500	5.0	Mm <sub>2</sub> [Nm]	-	32	59	130	180	-
Pm <sub>1</sub> [kW]			-	0.04	0.08	0.17	0.21	-	
Rd			-	0.39	0.38	0.41	0.44	-	
Fr <sub>2</sub> [N]			-	2500	3450	5000	6200	-	
Fr <sub>1</sub> [N]			-	220	400	480	750	-	

**Dati tecnici motoriduttore / Motorgearbox technical data**

$Pn_1$ (kW) 	$n_2$ (min <sup>-1</sup> ) 	$M_2$ (Nm) 	$f_s$	$i$	<b>VTS</b> 030/044/049    063/075/086 		$\varnothing$ [mm] 
							
<b>0.06</b>							
M1 056 0.06 4P.. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>35.0</b>	9.8	2.0	40	30	9	
	<b>23.3</b>	12.5	1.5	60	30	9	
	<b>20.0</b>	13.8	1.2	70	30	9	
<b>0.09</b>							
M1 056 0.09 2P.. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>70.0</b>	8.1	1.8	40	30	9	
	<b>46.7</b>	10.9	1.3	60	30	9	
	<b>40.0</b>	11.8	2.0	70	30	9	
M1 056 0.09 4P.. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>70.0</b>	9.0	2.1	20	30	9	
	<b>46.7</b>	12.0	1.7	30	30	9	
	<b>35.0</b>	14.7	1.3	40	30	9	
<b>0.12</b>							
M1 056 0.12 2P.. ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>140.0</b>	6.4	2.2	20	30	9	
	<b>93.3</b>	8.7	1.8	30	30	9	
	<b>70.0</b>	10.8	1.3	40	30	9	
	<b>46.7</b>	14.5	1.0	60	30	9	
	<b>40.0</b>	15.8	1.5	70	30	9	
M1 063 0.12 4P.. ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>200</b>	4.8	3.3	7	30	11	
	<b>140</b>	6.6	2.4	10	30	11	
	<b>93.3</b>	9.3	2.0	15	30	11	
	<b>70.0</b>	12.0	1.6	20	30	11	
	<b>46.7</b>	16.0	1.3	30	30	11	
	<b>40.0</b>	19.5	2.1	35	44	11	
	<b>35.0</b>	19.6	1.0	40	30	11	
	<b>30.4</b>	23.7	1.6	46	44	11	
	<b>23.3</b>	25.0	0.8	60	30	11	
	<b>23.3</b>	28.5	1.3	60	44	11	
	<b>23.3</b>	28.5	2.1	60	49	11	
	<b>20.0</b>	31.5	0.9	70	44	11	
	<b>20.0</b>	30.9	1.8	70	49	11	
	<b>17.5</b>	34.1	1.6	80	49	11	
	<b>14.0</b>	38.5	0.8	100	44	11	
<b>14.0</b>	38.5	1.1	100	49	11		
M1 063 0.12 6P.. ( $n_1 = 900 \text{ min}^{-1}$ )	<b>128.5</b>	7.3	2.4	7	30	11	
	<b>90.0</b>	10.1	1.8	10	30	11	
	<b>60.0</b>	14.1	1.4	15	30	11	
	<b>45.0</b>	17.8	1.2	20	30	11	
	<b>32.1</b>	23.9	2.0	28	44	11	
	<b>30.0</b>	23.3	1.0	30	30	11	
	<b>25.7</b>	28.5	1.7	35	44	11	
	<b>22.5</b>	28.5	0.8	40	30	11	
	<b>20.0</b>	33.8	2.1	45	49	11	
	<b>19.6</b>	34.6	1.4	46	44	11	
	<b>15.0</b>	41.3	1.1	60	44	11	
	<b>15.0</b>	40.5	1.6	60	49	11	
	<b>12.9</b>	45.5	0.8	70	44	11	
	<b>12.9</b>	44.6	1.3	70	49	11	
	<b>11.3</b>	58.1	1.2	80	49	11	
<b>9.0</b>	53.5	0.9	100	49	11		



Dati tecnici motoriduttore / Motorgearbox technical data

$Pn_1$ (kW) 	$n_2$ (min <sup>-1</sup> ) 	$M_2$ (Nm)	$f_s$	$i$	VTS		 $\varnothing$ [mm]
					030/044/049	063/075/086	

**0.18**

M1 063 0.18 2P..  
(n1 = 2800 min<sup>-1</sup>)

<b>400</b>	3.7	3.2	7	30	11
<b>280</b>	5.2	2.3	10	30	11
<b>186.7</b>	7.5	1.9	15	30	11
<b>140.0</b>	9.6	1.4	20	30	11
<b>93.3</b>	13.1	1.2	30	30	11
<b>80.0</b>	15.7	1.8	35	44	11
<b>70.0</b>	16.2	0.9	40	30	11
<b>60.9</b>	19.5	1.5	46	44	11
<b>46.7</b>	23.9	1.2	60	44	11
<b>46.7</b>	23.6	1.9	60	49	11
<b>40.0</b>	23.6	1.0	70	30	11
<b>40.0</b>	26.6	0.8	70	44	11
<b>40.0</b>	26.2	1.6	70	49	11
<b>35.0</b>	29.0	1.4	80	49	11
<b>28.0</b>	33.2	1.1	100	49	11

M1 063 0.18 4P..  
(n1 = 1400 min<sup>-1</sup>)

<b>200.0</b>	7.2	2.2	7	30	11
<b>140.0</b>	9.9	1.7	10	30	11
<b>100.0</b>	13.9	2.1	14	44	11
<b>93.3</b>	14.0	1.3	15	30	11
<b>70.0</b>	17.9	1.1	20	30	11
<b>70.0</b>	18.9	2.1	20	44	11
<b>50.0</b>	24.4	1.6	28	44	11
<b>46.7</b>	23.9	0.8	30	30	11
<b>40.0</b>	29.2	1.4	35	44	11
<b>31.1</b>	34.8	1.8	45	49	11
<b>30.4</b>	35.6	1.1	46	44	11
<b>23.3</b>	42.7	0.9	60	44	11
<b>23.3</b>	42.7	1.4	60	49	11
<b>20.0</b>	46.4	1.2	70	49	11
<b>17.5</b>	51.1	1.1	80	49	11
<b>14.0</b>	57.7	0.7	100	49	11

M1 071 0.18 6P..  
(n1 = 900 min<sup>-1</sup>)



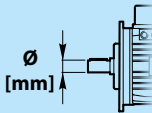
<b>64.3</b>	20.9	1.9	14	44	14
<b>45.0</b>	28.3	1.6	20	44	14
<b>37.5</b>	32.5	2.0	24	49	14
<b>32.1</b>	35.8	1.3	28	44	14
<b>25.7</b>	42.8	1.1	35	44	14
<b>25.0</b>	43.3	1.7	36	49	14
<b>20.0</b>	50.7	1.4	45	49	14
<b>19.6</b>	51.8	0.9	46	44	14
<b>15.0</b>	61.9	0.7	60	44	14
<b>15.0</b>	60.7	1.1	60	49	14
<b>12.9</b>	66.9	0.9	70	49	14
<b>11.3</b>	87.1	0.8	80	49	14

**0.25**



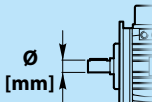
M1 063 0.25 2P..  
(n1 = 2800 min<sup>-1</sup>)

<b>400</b>	5.2	2.3	7	30	11
<b>280.0</b>	7.2	1.6	10	30	11
<b>186.7</b>	10.4	1.4	15	30	11
<b>140.0</b>	13.3	1.0	20	30	11
<b>140.0</b>	13.8	2.1	20	44	11
<b>100.0</b>	18.1	1.6	28	44	11
<b>93.3</b>	18.2	0.8	30	30	11
<b>80.0</b>	21.8	1.3	35	44	11
<b>62.2</b>	26.5	1.8	45	49	11
<b>60.9</b>	27.1	1.1	46	44	11
<b>46.7</b>	33.3	0.9	60	44	11
<b>46.7</b>	32.7	1.4	60	49	11
<b>40.0</b>	32.8	0.7	70	30	11
<b>40.0</b>	36.4	1.1	70	49	11
<b>35.0</b>	40.2	1.0	80	49	11
<b>28.0</b>	46.0	0.8	100	49	11




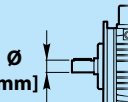


**Dati tecnici motoriduttore / Motorgearbox technical data**

$Pn_1$ (kW) 	$n_2$ (min <sup>-1</sup> ) 	$M_2$ (Nm)	$f_s$	$i$	VTS		 Ø [mm]
					030/044/049	063/075/086	
<b>0.25</b>							
M1 071 0.25 4P.. (n <sub>1</sub> = 1400 min <sup>-1</sup> )	<b>140.0</b>	14.3	2.0	10	44	14	
	<b>100.0</b>	19.3	1.5	14	44	14	
	<b>70.0</b>	26.3	1.5	20	44	14	
	<b>58.3</b>	30.7	2.0	24	49	14	
	<b>50.0</b>	33.9	1.2	28	44	14	
	<b>40.0</b>	40.6	1.0	35	44	14	
	<b>38.9</b>	41.1	1.7	36	49	14	
	<b>31.1</b>	48.3	1.3	45	49	14	
	<b>30.4</b>	49.4	0.8	46	44	14	
	<b>23.3</b>	59.3	1.0	60	49	14	
	<b>21.9</b>	66.6	1.9	64	63	14	
	<b>20.0</b>	64.5	0.8	70	49	14	
	<b>17.5</b>	70.9	0.8	80	49	14	
	<b>17.5</b>	76.4	1.5	80	63	14	
	<b>14.0</b>	87.0	1.3	100	63	14	
	<b>14.0</b>	93.8	1.6	100	75	14	
	M1 071 0.25 6P.. (n <sub>1</sub> = 900 min <sup>-1</sup> )	<b>90.0</b>	21.8	1.8	10	44	14
<b>64.3</b>		29.0	1.4	14	44	14	
<b>50.0</b>		35.8	1.9	18	49	14	
<b>45.0</b>		39.3	1.2	20	44	14	
<b>37.5</b>		45.2	1.4	24	49	14	
<b>32.1</b>		49.8	1.0	28	44	14	
<b>32.1</b>		49.8	1.6	28	49	14	
<b>25.7</b>		59.4	0.8	35	44	14	
<b>25.0</b>		60.2	1.2	36	49	14	
<b>20.0</b>		70.4	1.0	45	49	14	
<b>20.0</b>		75.2	2.1	45	63	14	
<b>15.0</b>		84.4	0.8	60	49	14	
<b>14.1</b>		95.1	1.4	64	63	14	
<b>11.3</b>		110.4	1.1	80	63	14	
<b>11.3</b>		114.6	1.7	80	75	14	
<b>9.0</b>		122.0	1.0	100	63	14	
<b>9.0</b>		132.6	1.2	100	75	14	
<b>0.37</b>							
M1 071 0.37 2P.. (n <sub>1</sub> = 2800 min <sup>-1</sup> )	<b>280.0</b>	11.0	2.0	10	44	14	
	<b>200.0</b>	14.8	1.5	14	44	14	
	<b>140.0</b>	20.4	1.4	20	44	14	
	<b>116.7</b>	23.9	2.0	24	49	14	
	<b>100.0</b>	26.9	1.1	28	44	14	
	<b>100.0</b>	26.5	2.1	28	49	14	
	<b>80.0</b>	32.2	0.9	35	44	14	
	<b>77.8</b>	32.7	1.6	36	49	14	
	<b>62.2</b>	39.2	1.2	45	49	14	
	<b>60.9</b>	40.1	0.7	46	44	14	
	<b>46.7</b>	48.5	0.9	60	49	14	
	<b>43.8</b>	54.1	2.0	64	63	14	
	<b>40.0</b>	53.9	0.8	70	49	14	
	<b>35.0</b>	62.6	1.6	80	63	14	
	<b>28.0</b>	73.2	1.4	100	63	14	
	<b>28.0</b>	77.0	1.8	100	75	14	
	M1 071 0.37 4P.. (n <sub>1</sub> = 1400 min <sup>-1</sup> )	<b>200.0</b>	15.2	2.0	7	44	14
<b>140.0</b>		21.2	1.4	10	44	14	
<b>100.0</b>		28.6	1.0	14	44	14	
<b>77.8</b>		35.4	1.6	18	49	14	
<b>70.0</b>		38.9	1.0	20	44	14	
<b>58.3</b>		45.4	1.4	24	49	14	
<b>50.0</b>		50.2	0.8	28	44	14	
<b>50.0</b>		50.2	1.5	28	49	14	
<b>38.9</b>		60.9	1.1	36	49	14	
<b>31.1</b>		71.6	0.9	45	49	14	
<b>31.1</b>		76.1	1.9	45	63	14	
<b>23.3</b>		98.4	2.0	60	75	14	
<b>21.9</b>		98.5	1.3	64	63	14	
<b>17.5</b>		113.1	1.0	80	63	14	

Dati tecnici motoriduttore / Motorgearbox technical data

$Pn_1$ (kW) 	$n_2$ (min <sup>-1</sup> ) 	$M_2$ (Nm)	$f_s$	$i$	VTS		 [mm]
					030/044/049	063/075/086	
<b>0.37</b>							
M1 071 0.37 4P.. (n1 = 1400 min <sup>-1</sup> )	<b>17.5</b>	119.1	1.5	80	75	14	
	<b>14.0</b>	128.7	0.9	100	63	14	
	<b>14.0</b>	138.8	1.1	100	75	14	
M1 080 0.37 6P.. (n1 = 900 min <sup>-1</sup> )	<b>90.0</b>	32.2	2.0	10	49	19	
	<b>64.3</b>	42.9	1.6	14	49	19	
	<b>50.0</b>	53.0	1.3	18	49	19	
	<b>37.5</b>	66.9	1.0	24	49	19	
	<b>32.1</b>	73.7	1.1	28	49	19	
	<b>30.0</b>	82.4	2.1	30	63	19	
	<b>25.0</b>	89.0	0.8	36	49	19	
	<b>23.7</b>	98.5	1.7	38	63	19	
	<b>20.0</b>	111.3	1.4	45	63	19	
	<b>18.0</b>	123.7	1.9	50	75	19	
	<b>15.0</b>	141.3	1.5	60	75	19	
	<b>14.1</b>	140.7	0.9	64	63	19	
	<b>14.1</b>	158.3	1.9	64	86	19	
	<b>11.3</b>	163.3	0.8	80	63	19	
	<b>11.3</b>	169.6	1.2	80	75	19	
	<b>11.3</b>	185.3	1.5	80	86	19	
	<b>9.0</b>	196.3	0.8	100	75	19	
<b>0.55</b>							
M1 071 0.55 2P.. (n1 = 2800 min <sup>-1</sup> )	<b>400.0</b>	11.6	2.0	7	44	14	
	<b>280.0</b>	16.3	1.3	10	44	14	
	<b>200.0</b>	22.1	1.0	14	44	14	
	<b>200.0</b>	22.1	2.2	14	49	14	
	<b>155.6</b>	27.7	1.6	18	49	14	
	<b>140.0</b>	30.4	0.9	20	44	14	
	<b>116.7</b>	35.6	1.3	24	49	14	
	<b>100.0</b>	39.9	0.7	28	44	14	
	<b>100.0</b>	39.4	1.4	28	49	14	
	<b>77.8</b>	48.6	1.1	36	49	14	
	<b>62.2</b>	58.2	0.8	45	49	14	
	<b>62.2</b>	61.6	2.2	45	63	14	
	<b>43.8</b>	80.4	1.4	64	63	14	
	<b>35.0</b>	93.0	1.1	80	63	14	
	<b>35.0</b>	97.5	1.6	80	75	14	
	<b>28.0</b>	108.8	0.9	100	63	14	
	<b>28.0</b>	114.4	1.2	100	75	14	
M1 080 0.55 4P.. (n1 = 1400 min <sup>-1</sup> )	<b>140.0</b>	31.5	1.8	10	49	19	
	<b>100.0</b>	42.5	1.6	14	49	19	
	<b>77.8</b>	52.7	1.1	18	49	19	
	<b>58.3</b>	67.5	0.9	24	49	19	
	<b>58.3</b>	70.2	2.2	24	63	19	
	<b>50.0</b>	74.6	1.0	28	49	19	
	<b>46.7</b>	83.3	2.0	30	63	19	
	<b>38.9</b>	90.5	0.8	36	49	19	
	<b>36.8</b>	99.8	1.5	38	63	19	
	<b>31.1</b>	113.1	1.3	45	63	19	
	<b>28.0</b>	127.6	1.7	50	75	19	
	<b>25.0</b>	147.1	2.0	56	86	19	
	<b>23.3</b>	146.3	1.4	60	75	19	
	<b>21.9</b>	146.5	0.9	64	63	19	
	<b>21.9</b>	163.3	1.7	64	86	19	
	<b>17.5</b>	177.1	1.0	80	75	19	
	<b>17.5</b>	192.1	1.3	80	86	19	
<b>14.0</b>	206.3	0.7	100	75	19		
<b>14.0</b>	221.4	1.0	100	86	19		



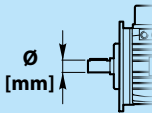
**Dati tecnici motoriduttore / Motorgearbox technical data**

$Pn_1$ (kW) 	$n_2$ (min <sup>-1</sup> ) 	$M_2$ (Nm) 	$f_s$	$i$	<b>VTS</b>		$\varnothing$ [mm] 
					030/044/049 	063/075/086 	
<b>0.55</b>							
M1 080 0.55 6P.. (n1 = 900 min <sup>-1</sup> )	<b>128.6</b>	34.7	1.8	7	49	19	
	<b>90.0</b>	47.9	1.4	10	49	19	
	<b>64.3</b>	63.7	1.1	14	49	19	
	<b>50.0</b>	78.8	0.9	18	49	19	
	<b>47.4</b>	86.5	1.8	19	63	19	
	<b>37.5</b>	105.1	1.6	24	63	19	
	<b>32.1</b>	109.5	0.7	28	49	19	
	<b>30.0</b>	122.6	1.4	30	63	19	
	<b>30.0</b>	129.6	2.2	30	75	19	
	<b>23.7</b>	146.4	1.1	38	63	19	
	<b>22.5</b>	158.7	1.8	40	75	19	
	<b>22.5</b>	165.7	2.2	40	86	19	
	<b>20.0</b>	165.5	0.9	45	63	19	
	<b>19.6</b>	185.2	2.0	46	86	19	
	<b>18.0</b>	183.8	1.3	50	75	19	
	<b>16.1</b>	215.7	1.5	56	86	19	
	<b>15.0</b>	210.1	1.0	60	75	19	
	<b>14.1</b>	235.3	1.3	64	86	19	
	<b>11.3</b>	252.1	0.8	80	75	19	
	<b>11.3</b>	275.5	1.0	80	86	19	
<b>0.75</b>							
M3 080 0.75 2P.. (n1 = 2800 min <sup>-1</sup> )	<b>280.0</b>	22.0	2.0	10	49	19	
	<b>200.0</b>	30.1	1.6	14	49	19	
	<b>155.6</b>	37.8	1.2	18	49	19	
	<b>116.7</b>	48.5	1.0	24	49	19	
	<b>100.0</b>	53.7	1.0	28	49	19	
	<b>93.3</b>	59.9	2.1	30	63	19	
	<b>77.8</b>	66.3	0.8	36	49	19	
	<b>73.7</b>	72.9	1.9	38	63	19	
	<b>62.2</b>	84.0	1.6	45	63	19	
	<b>56.0</b>	93.4	2.1	50	75	19	
	<b>46.7</b>	107.4	1.7	60	75	19	
	<b>43.8</b>	109.7	1.0	64	63	19	
	<b>43.8</b>	119.5	2.1	64	86	19	
	<b>35.0</b>	126.9	0.8	80	63	19	
	<b>35.0</b>	133.0	1.2	80	75	19	
	<b>35.0</b>	141.2	1.6	80	86	19	
	<b>28.0</b>	156.0	0.9	100	75	19	
	<b>28.0</b>	166.3	1.2	100	86	19	
	M3 080 0.75 4P.. (n1 = 1400 min <sup>-1</sup> )	<b>200.0</b>	30.8	1.7	7	49	19
		<b>140.0</b>	43.0	1.3	10	49	19
<b>100.0</b>		58.0	1.2	14	49	19	
<b>77.8</b>		71.8	0.8	18	49	19	
<b>73.7</b>		78.7	1.9	19	63	19	
<b>58.3</b>		95.8	1.6	24	63	19	
<b>50.0</b>		101.7	0.7	28	49	19	
<b>46.7</b>		113.6	1.5	30	63	19	
<b>36.8</b>		136.1	1.1	38	63	19	
<b>35.0</b>		147.3	1.7	40	75	19	
<b>35.0</b>		153.5	2.1	40	86	19	
<b>31.1</b>		154.2	0.9	45	63	19	
<b>30.4</b>		171.8	2.0	46	86	19	
<b>28.0</b>		173.9	1.3	50	75	19	
<b>25.0</b>		200.6	1.5	56	86	19	
<b>23.3</b>		199.5	1.0	60	75	19	
<b>21.9</b>		222.7	1.3	64	86	19	
<b>17.5</b>		241.5	0.7	80	75	19	
<b>17.5</b>		261.9	1.0	80	86	19	
<b>14.0</b>		301.8	0.8	100	86	19	

Dati tecnici motoriduttore / Motorgearbox technical data

 $Pn_1$ (kW)	 $n_2$ ( $\text{min}^{-1}$ )	$M_2$ (Nm)	$f_s$	$i$	VTS		 $\varnothing$ [mm]
					030/044/049	063/075/086	
<b>0.75</b>							
M3 090 0.75 6P... ( $n_1 = 900 \text{ min}^{-1}$ )	<b>75.0</b>	78.3	1.9	12	63	24	
	<b>60.0</b>	95.5	1.7	15	63	24	
	<b>47.4</b>	117.9	1.3	19	63	24	
	<b>45.0</b>	127.3	2.1	20	75	24	
	<b>37.5</b>	143.3	1.1	24	63	24	
	<b>36.0</b>	153.2	1.7	25	75	24	
	<b>30.0</b>	167.1	1.0	30	63	24	
	<b>30.0</b>	176.7	1.6	30	75	24	
	<b>23.7</b>	199.6	0.8	38	63	24	
	<b>22.5</b>	216.5	1.3	40	75	24	
	<b>22.5</b>	226.0	1.6	40	86	24	
	<b>19.6</b>	252.6	1.5	46	86	24	
	<b>18.0</b>	250.7	0.9	50	75	24	
	<b>16.1</b>	294.1	1.1	56	86	24	
	<b>15.0</b>	286.5	0.7	60	75	24	
	<b>14.1</b>	320.9	0.9	64	86	24	
<b>11.3</b>	375.6	0.7	80	86	24		
<b>1.1</b>							
M3 080 1.1 2P... ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>400.0</b>	23.1	1.8	7	49	19	
	<b>280.0</b>	32.3	1.4	10	49	19	
	<b>200.0</b>	44.1	1.1	14	49	19	
	<b>155.6</b>	55.4	0.8	18	49	19	
	<b>147.4</b>	59.9	2.2	19	63	19	
	<b>116.7</b>	73.8	1.7	24	63	19	
	<b>100.0</b>	78.8	0.7	28	49	19	
	<b>93.3</b>	87.8	1.5	30	63	19	
	<b>73.7</b>	106.9	1.3	38	63	19	
	<b>70.0</b>	115.6	1.9	40	75	19	
	<b>62.2</b>	123.2	1.1	45	63	19	
	<b>56.0</b>	136.9	1.5	50	75	19	
	<b>50.0</b>	157.6	1.6	56	86	19	
	<b>46.7</b>	157.6	1.2	60	75	19	
	<b>43.8</b>	175.3	1.5	64	86	19	
	<b>35.0</b>	195.1	0.8	80	75	19	
<b>35.0</b>	207.1	1.1	80	86	19		
<b>28.0</b>	243.9	0.8	100	86	19		
M3 090 1.1 4P... ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>140.0</b>	64.5	2.2	10	63	24	
	<b>116.7</b>	76.5	1.8	12	63	24	
	<b>93.3</b>	93.4	1.6	15	63	24	
	<b>73.7</b>	115.5	1.3	19	63	24	
	<b>70.0</b>	124.6	2.0	20	75	24	
	<b>58.3</b>	140.5	1.1	24	63	24	
	<b>56.0</b>	150.1	1.6	25	75	24	
	<b>46.7</b>	166.6	1.0	30	63	24	
	<b>46.7</b>	173.3	1.5	30	75	24	
	<b>46.7</b>	171.1	2.2	30	86	24	
	<b>36.8</b>	199.6	0.8	38	63	24	
	<b>35.0</b>	216.1	1.2	40	75	24	
	<b>35.0</b>	225.1	1.5	40	86	24	
	<b>30.4</b>	252.0	1.4	46	86	24	
	<b>28.0</b>	255.1	0.9	50	75	24	
	<b>25.0</b>	294.1	1.0	56	86	24	
<b>21.9</b>	326.6	0.9	64	86	24		
M3 090 1.1 6P... ( $n_1 = 900 \text{ min}^{-1}$ )	<b>128.6</b>	71.1	1.8	7	63	24	
	<b>90.0</b>	98.0	1.5	10	63	24	
	<b>75.0</b>	114.9	1.3	12	63	24	
	<b>60.0</b>	140.1	1.2	15	63	24	
	<b>60.0</b>	145.3	1.8	15	75	24	
	<b>47.4</b>	173.0	0.9	19	63	24	



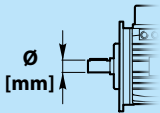
**Dati tecnici motoriduttore / Motorgearbox technical data**

$Pn_1$ (kW) 	$n_2$ (min <sup>-1</sup> ) 	$M_2$ (Nm)	$f_s$	$i$	VTS		 Ø [mm]
					030/044/049	063/075/086	
<b>1.1</b>							
M3 090 1.1 6P... (n1 = 900 min <sup>-1</sup> )	<b>45.0</b>	186.8	1.5	20	75	24	
	<b>45.0</b>	189.1	1.8	20	86	24	
	<b>39.1</b>	214.8	1.6	23	86	24	
	<b>37.5</b>	210.1	0.8	24	63	24	
	<b>36.0</b>	224.7	1.2	25	75	24	
	<b>30.0</b>	259.1	1.1	30	75	24	
	<b>30.0</b>	255.6	1.5	30	86	24	
	<b>22.5</b>	317.5	0.9	40	75	24	
	<b>22.5</b>	331.5	1.1	40	86	24	
	<b>19.6</b>	370.5	1.0	46	86	24	
	<b>16.1</b>	431.4	0.8	56	86	24	
	<b>1.5</b>						
M3 090 1.5 2P... (n1 = 2800 min <sup>-1</sup> )	<b>186.7</b>	66.0	1.9	15	63	24	
	<b>147.4</b>	81.7	1.6	19	63	24	
	<b>116.7</b>	100.7	1.3	24	63	24	
	<b>112.0</b>	106.2	2.1	25	75	24	
	<b>93.3</b>	119.7	1.1	30	63	24	
	<b>93.3</b>	124.3	1.9	30	75	24	
	<b>73.7</b>	145.8	0.9	38	63	24	
	<b>70.0</b>	157.6	1.4	40	75	24	
	<b>70.0</b>	161.7	1.8	40	86	24	
	<b>62.2</b>	168.1	0.8	45	63	24	
	<b>60.9</b>	181.2	1.7	46	86	24	
	<b>56.0</b>	186.7	1.1	50	75	24	
	<b>50.0</b>	214.9	1.2	56	86	24	
	<b>46.7</b>	214.9	0.9	60	75	24	
	<b>43.8</b>	239.0	1.1	64	86	24	
	<b>35.0</b>	282.4	0.8	80	86	24	
M3 090 1.5 4P... (n1 = 1400 min <sup>-1</sup> )	<b>200.0</b>	63.0	1.9	7	63	24	
	<b>140.0</b>	88.0	1.6	10	63	24	
	<b>116.7</b>	104.4	1.3	12	63	24	
	<b>93.3</b>	127.4	1.2	15	63	24	
	<b>93.3</b>	130.5	1.9	15	75	24	
	<b>73.7</b>	157.5	0.9	19	63	24	
	<b>70.0</b>	169.9	1.5	20	75	24	
	<b>70.0</b>	171.9	1.9	20	86	24	
	<b>60.9</b>	193.0	1.7	23	86	24	
	<b>58.3</b>	191.5	0.8	24	63	24	
	<b>56.0</b>	204.6	1.2	25	75	24	
	<b>46.7</b>	227.2	0.7	30	63	24	
	<b>46.7</b>	236.4	1.1	30	75	24	
	<b>46.7</b>	233.3	1.6	30	86	24	
	<b>35.0</b>	294.7	0.9	40	75	24	
	<b>35.0</b>	307.0	1.1	40	86	24	
<b>30.4</b>	343.6	1.0	46	86	24		
<b>25.0</b>	401.1	0.7	56	86	24		
M3 100 1.5 6P... (n1 = 900 min <sup>-1</sup> )	<b>128.6</b>	98.0	2.1	7	75	28	
	<b>90.0</b>	136.9	1.8	10	75	28	
	<b>60.0</b>	198.2	1.3	15	75	28	
	<b>60.0</b>	195.8	1.8	15	86	28	
	<b>45.0</b>	254.7	1.1	20	75	28	
	<b>45.0</b>	257.9	1.3	20	86	28	
	<b>39.1</b>	292.9	1.2	23	86	28	
	<b>36.0</b>	306.4	0.9	25	75	28	
	<b>30.0</b>	353.4	0.8	30	75	28	
	<b>30.0</b>	348.6	1.1	30	86	28	
	<b>22.5</b>	452.0	0.8	40	86	28	
	<b>19.6</b>	505.2	0.7	46	86	28	

Dati tecnici motoriduttore / Motorgearbox technical data

$Pn_1$ (kW)	$n_2$ ( $\text{min}^{-1}$ )	$M_2$ (Nm)	$f_s$	$i$	VTS 030/044/049    063/075/086	$\varnothing$ [mm]
<b>2.2</b>						
M3 090 2.2 2P... ( $n_1 = 2800 \text{ min}^{-1}$ )	<b>280.0</b>	66.0	1.9	10	63	24
	<b>233.3</b>	78.3	1.6	12	63	24
	<b>186.7</b>	96.8	1.3	15	63	24
	<b>147.4</b>	119.8	1.1	19	63	24
	<b>140.0</b>	129.1	1.7	20	75	24
	<b>121.7</b>	146.7	2.0	23	86	24
	<b>116.7</b>	147.7	0.9	24	63	24
	<b>112.0</b>	155.7	1.5	25	75	24
	<b>93.3</b>	175.6	0.7	30	63	24
	<b>93.3</b>	182.3	1.3	30	75	24
	<b>93.3</b>	182.3	1.8	30	86	24
	<b>70.0</b>	231.1	1.0	40	75	24
	<b>70.0</b>	237.1	1.2	40	86	24
	<b>60.9</b>	265.8	1.1	46	86	24
	<b>56.0</b>	273.9	0.7	50	75	24
	<b>50.0</b>	315.2	0.8	56	86	24
<b>43.8</b>	350.6	0.7	64	86	24	
M3 100 2.2 4P... ( $n_1 = 1400 \text{ min}^{-1}$ )	<b>200.0</b>	94.5	2.0	7	75	28
	<b>140.0</b>	132.1	1.7	10	75	28
	<b>140.0</b>	132.1	2.2	10	86	28
	<b>93.3</b>	191.3	1.3	15	75	28
	<b>93.3</b>	191.3	1.7	15	86	28
	<b>70.0</b>	249.1	1.0	20	75	28
	<b>70.0</b>	252.1	1.3	20	86	28
	<b>60.9</b>	283.0	1.1	23	86	28
	<b>56.0</b>	300.1	0.8	25	75	28
	<b>46.7</b>	346.7	0.8	30	75	28
	<b>46.7</b>	342.2	1.1	30	86	28
	M3 112 2.2 6P... ( $n_1 = 900 \text{ min}^{-1}$ )	<b>128.6</b>	143.8	1.4	7	75
<b>128.6</b>		143.8	1.9	7	86	28
<b>90.0</b>		200.8	1.2	10	75	28
<b>90.0</b>		200.8	1.5	10	86	28
<b>60.0</b>		290.6	0.9	15	75	28
<b>60.0</b>		287.1	1.2	15	86	28
<b>45.0</b>		373.5	0.7	20	75	28
<b>45.0</b>		378.2	0.9	20	86	28
<b>39.1</b>		429.5	0.8	23	86	28
<b>30.0</b>		511.2	0.8	30	86	28

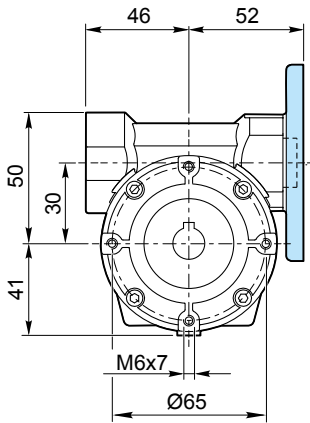
**Dati tecnici motoriduttore / Motorgearbox technical data**

$Pn_1$ (kW) 	$n_2$ (min <sup>-1</sup> ) 	$M_2$ (Nm)	$f_s$	$i$	VTS		 Ø [mm]
					030/044/049	063/075/086	
<b>3.0</b>							
M3 100 3.0 2P... (n1 = 2800 min <sup>-1</sup> )	<b>186.7</b>	135.1	1.7	15	75	28	
	<b>140.0</b>	176.0	1.3	20	75	28	
	<b>140.0</b>	176.0	1.6	20	86	28	
	<b>121.7</b>	200.0	1.4	23	86	28	
	<b>112.0</b>	212.3	1.1	25	75	28	
	<b>93.3</b>	248.6	1.0	30	75	28	
	<b>93.3</b>	248.6	1.3	30	86	28	
	<b>70.0</b>	323.3	0.9	40	86	28	
	<b>60.9</b>	362.4	0.8	46	86	28	
M3 100 3.0 4P... (n1 = 1400 min <sup>-1</sup> )	<b>200.0</b>	128.9	1.5	7	75	28	
	<b>200.0</b>	127.5	2.0	7	86	28	
	<b>140.0</b>	180.1	1.3	10	75	28	
	<b>140.0</b>	180.1	1.6	10	86	28	
	<b>93.3</b>	260.9	1.0	15	75	28	
	<b>93.3</b>	260.9	1.3	15	86	28	
	<b>70.0</b>	339.7	0.7	20	75	28	
	<b>70.0</b>	343.8	0.9	20	86	28	
	<b>60.9</b>	386.0	0.8	23	86	28	
<b>46.7</b>	466.6	0.8	30	86	28		
<b>4.0</b>							
M3 112 4.0 2P... (n1 = 2800 min <sup>-1</sup> )	<b>400.0</b>	86.9	2.0	7	75	28	
	<b>280.0</b>	122.8	1.7	10	75	28	
	<b>280.0</b>	122.8	2.1	10	86	28	
	<b>186.7</b>	180.1	1.3	15	75	28	
	<b>186.7</b>	178.0	1.7	15	86	28	
	<b>140.0</b>	234.7	1.0	20	75	28	
	<b>140.0</b>	234.7	1.2	20	86	28	
	<b>121.7</b>	266.7	1.1	23	86	28	
	<b>112.0</b>	283.1	0.8	25	75	28	
	<b>93.3</b>	331.5	0.7	30	75	28	
	<b>93.3</b>	331.5	1.0	30	86	28	
	M3 112 4.0 4P... (n1 = 1400 min <sup>-1</sup> )	<b>200.0</b>	171.9	1.1	7	75	28
<b>200.0</b>		170.0	1.5	7	86	28	
<b>140.0</b>		240.1	1.0	10	75	28	
<b>140.0</b>		240.1	1.2	10	86	28	
<b>93.3</b>		347.9	0.7	15	75	28	
<b>93.3</b>		347.9	1.0	15	86	28	

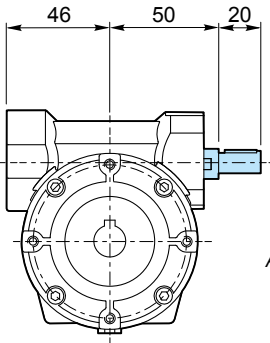


## Dimensioni riduttori a vite senza fine / Dimensions worm gearboxes

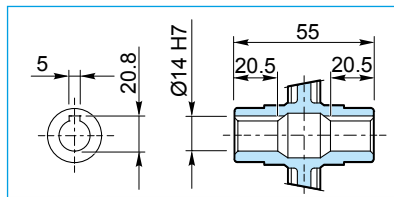
VTS 030 P ...



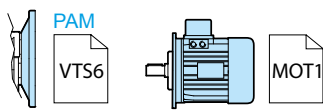
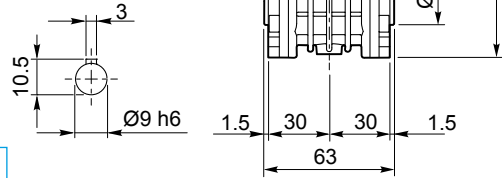
VES 030 P ...



Albero uscita / Output shaft



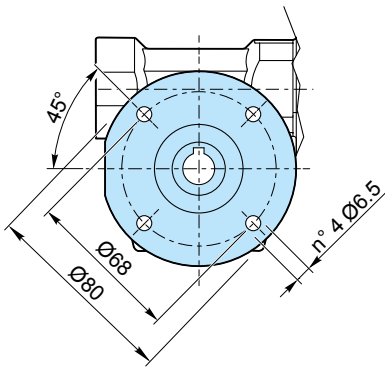
Albero entrata / Input shaft



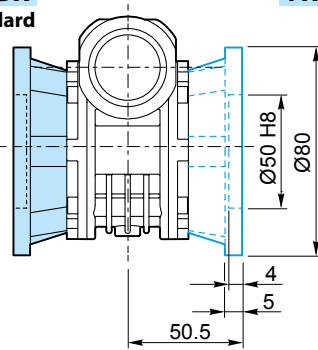
**Kg**  
0.9 kg

**oil**  
0.035 l

VTS 030 FXT / VES 030 FXT

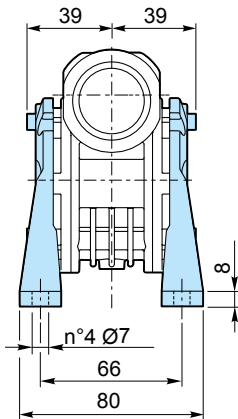
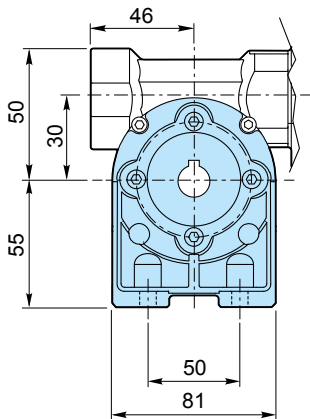


FXT DX  
Standard

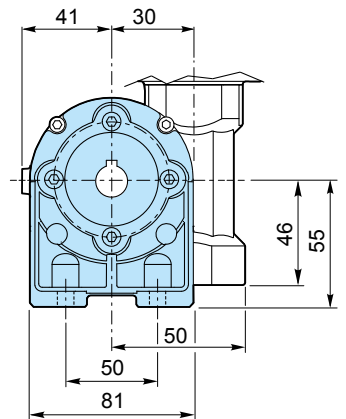
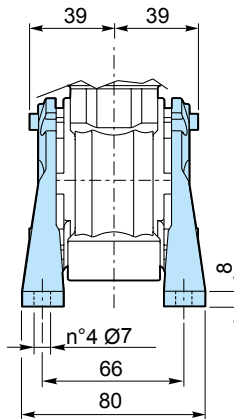


FXT SX

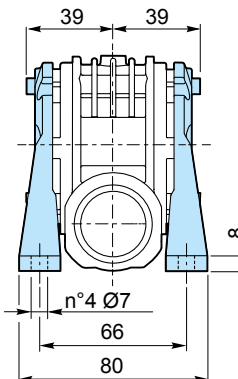
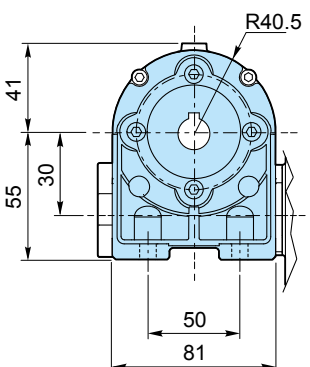
VTS 030 PXA... / VES 030 PXA...

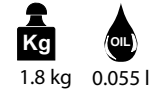
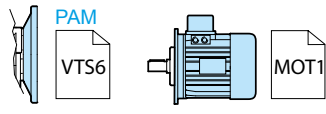
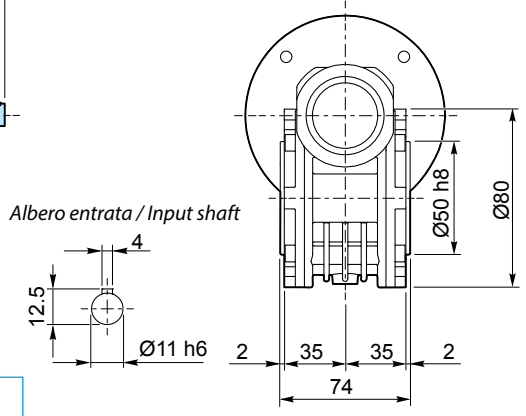
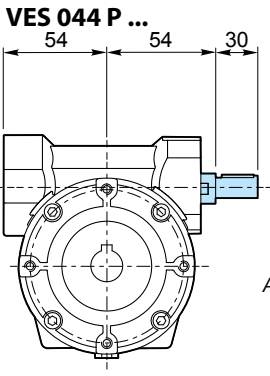
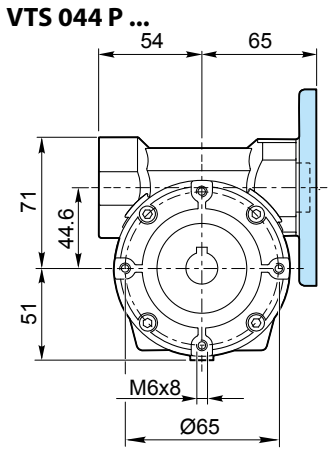


VTS 030 PXV... / VES 030 PXV...

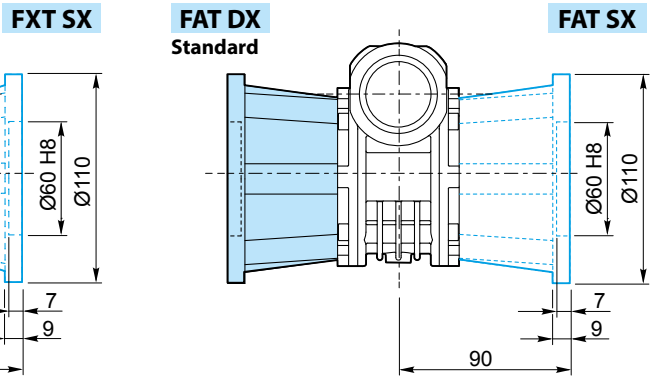
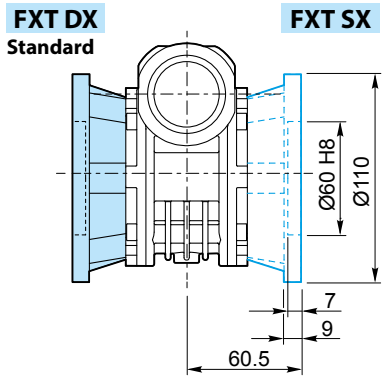
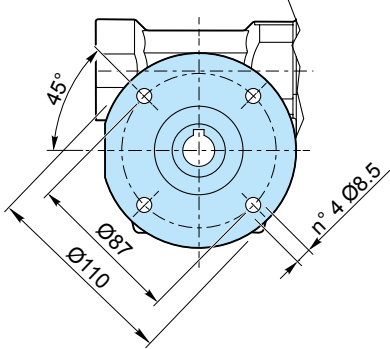


VTS 030 PXN... / VES 030 PXN...

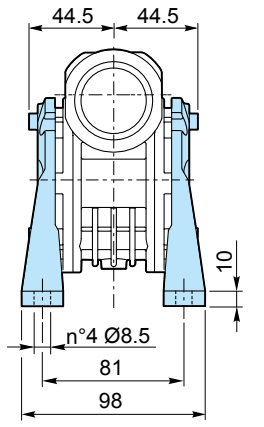
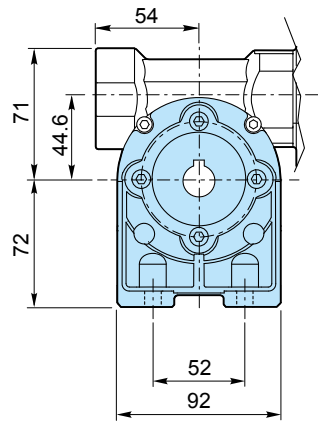




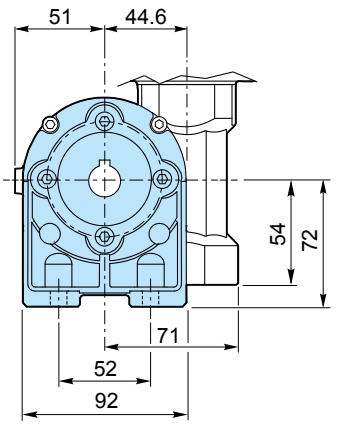
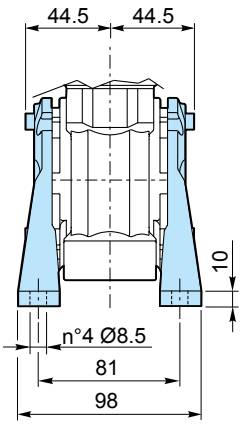
**VTS 044 F... / VES 044 F...**



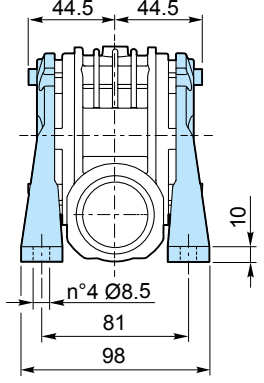
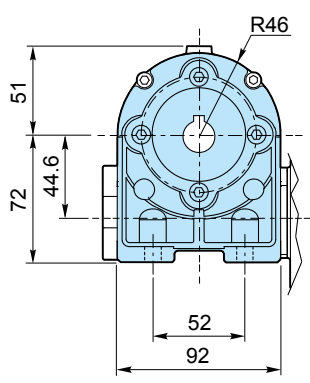
**VTS 044 PXA... / VES 044 PXA...**



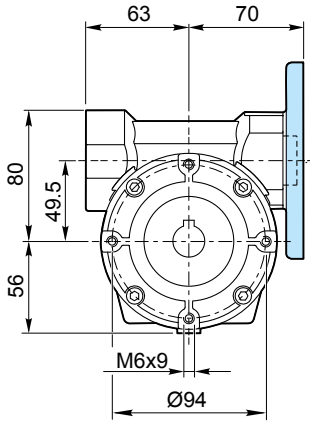
**VTS 044 PXV... / VES 044 PXV...**



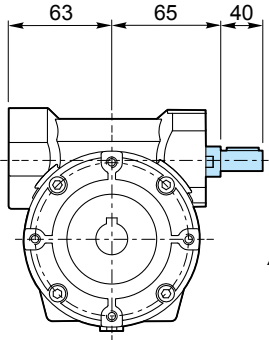
**VTS 044 PXN... / VES 044 PXN...**



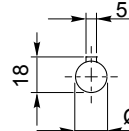
VTS 049 P ...



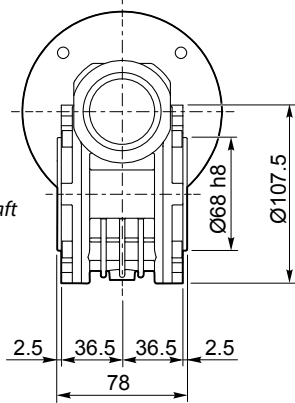
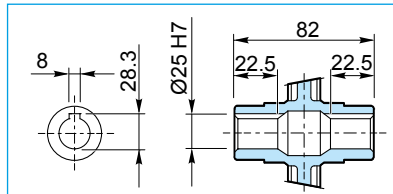
VES 049 P ...



Albero entrata / Input shaft

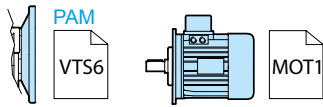


Albero uscita / Output shaft

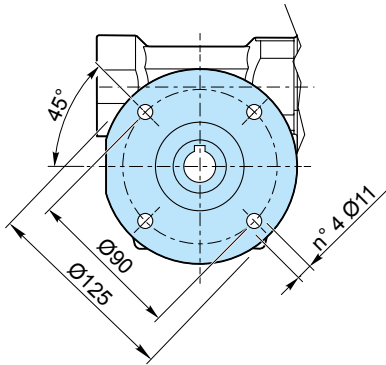


**Kg**  
2.5 kg

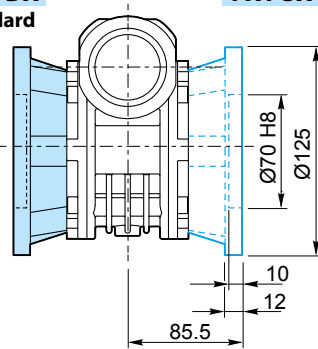
**OIL**  
0.09 l



VTS 049 F... / VES 049 F...

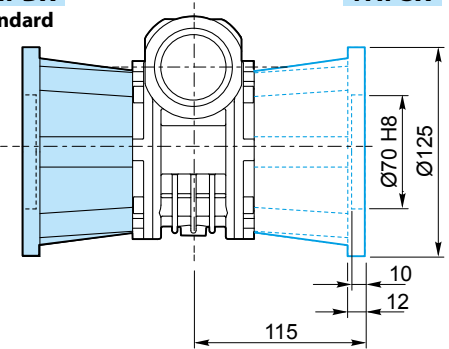


**FXT DX**  
Standard



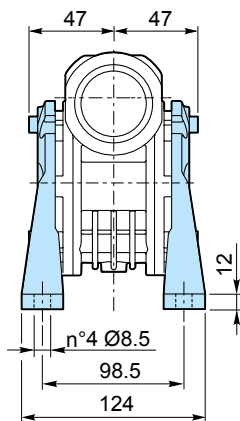
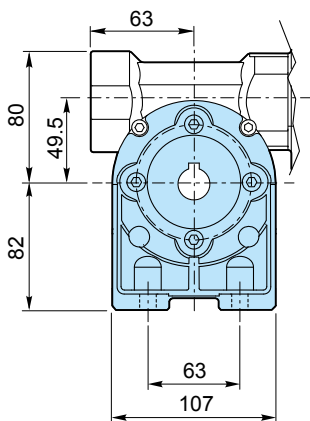
**FXT SX**

**FAT DX**  
Standard

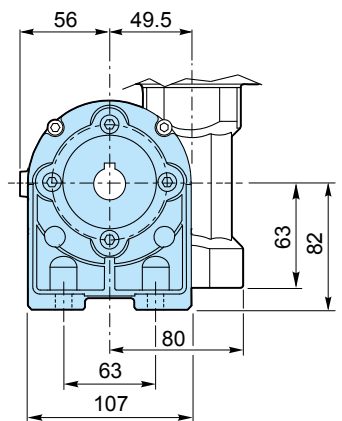
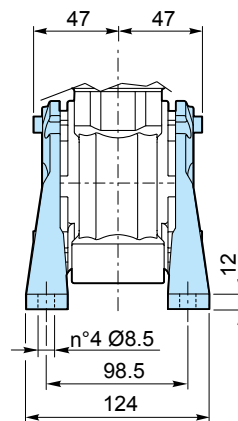


**FAT SX**

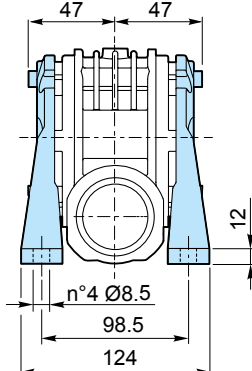
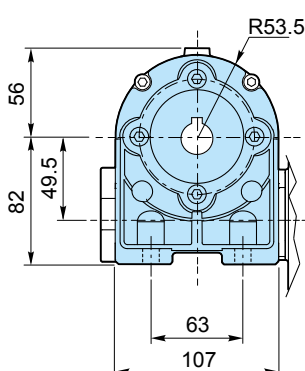
VTS 049 PXA... / VES 049 PXA...



VTS 049 PXV... / VES 049 PXV...

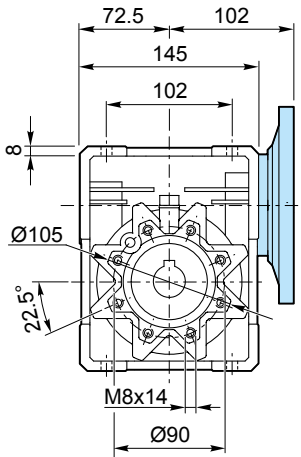


VTS 049PXN... / VES 049 PXN...

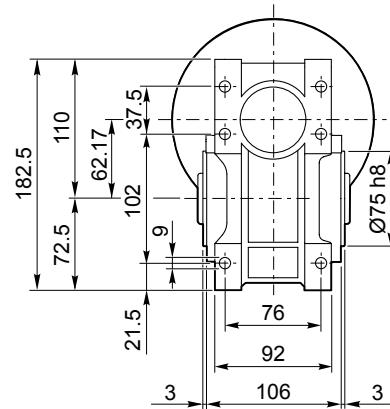
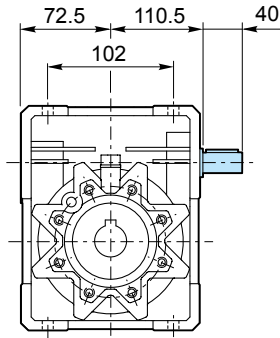


## Dimensioni riduttori a vite senza fine / Dimensions worm gearboxes

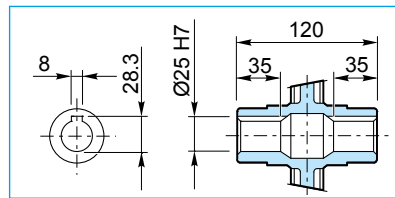
VTS 063 P ...



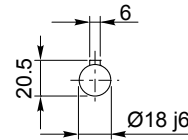
VES 063 P ...



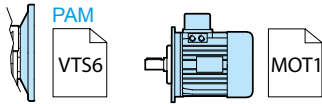
Albero uscita / Output shaft



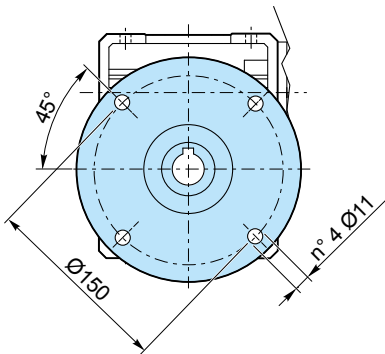
Albero entrata / Input shaft



**Kg** 5.2 kg **OIL** 0.30 l

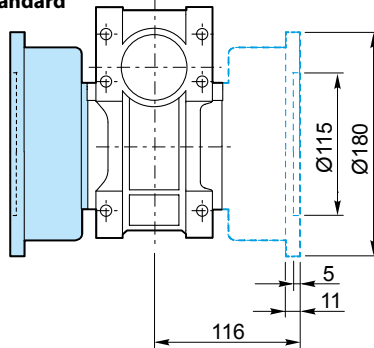


VTS 063 FXT / VES 063 FXT

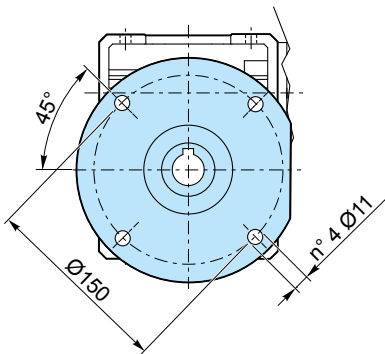


**FXT DX**  
Standard

**FXT SX**

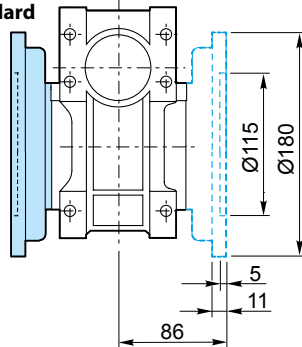


VTS 063 FCT / VES 063 FCT

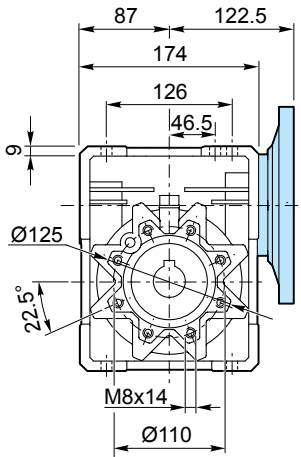


**FCT DX**  
Standard

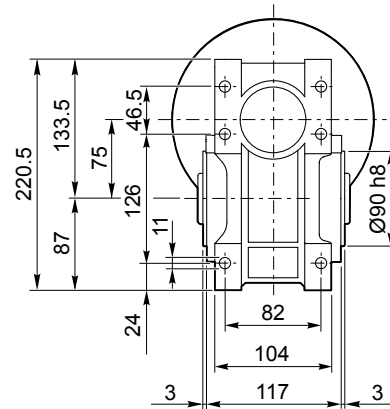
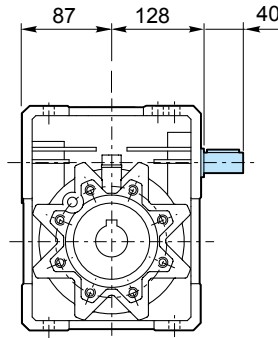
**FCT SX**



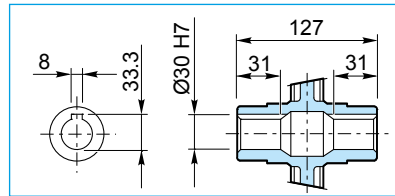
### VTS 075 P ...



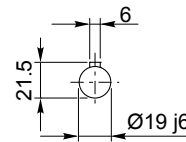
### VES 075 P ...



Albero uscita / Output shaft

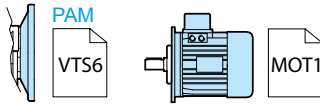


Albero entrata / Input shaft

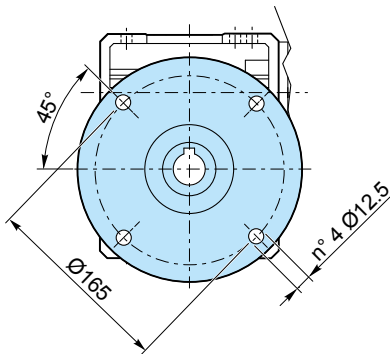


**Kg**  
8.2 kg

**OIL**  
0.55 l

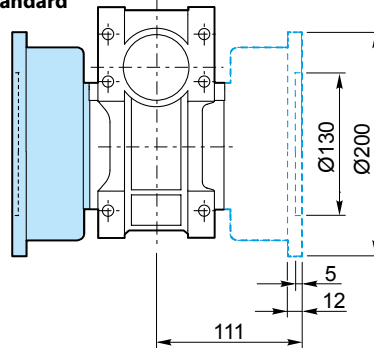


### VTS 075 FXT / VES 075 FXT

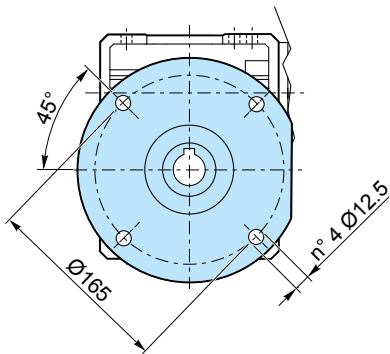


**FXT DX**  
Standard

**FXT SX**

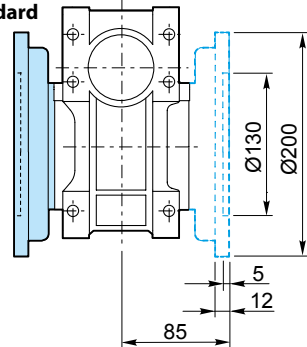


### VTS 075 FCT / VES 075 FCT



**FCT DX**  
Standard

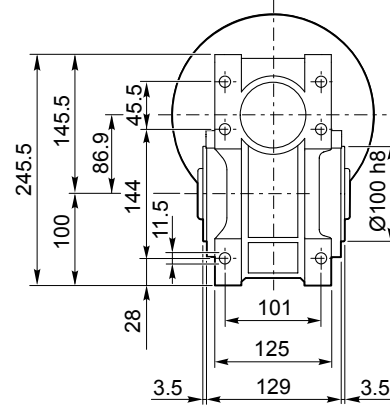
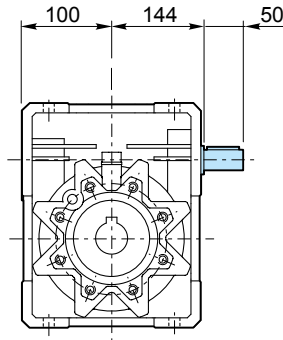
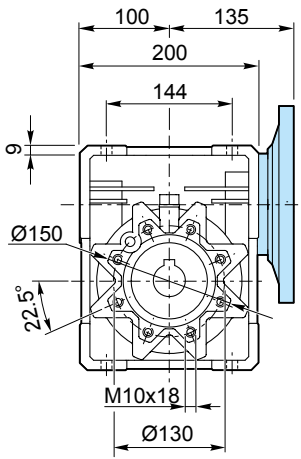
**FCT SX**



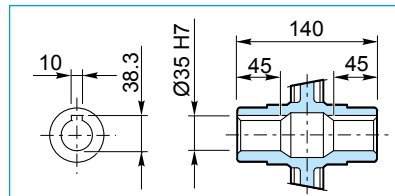
**Dimensioni riduttori a vite senza fine / Dimensions worm gearboxes**

**VTS 086 P ...**

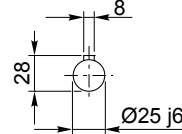
**VES 086 P ...**



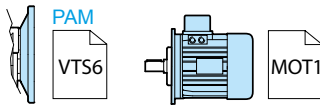
Albero uscita / Output shaft



Albero entrata / Input shaft



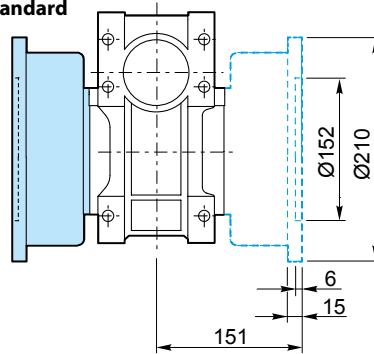
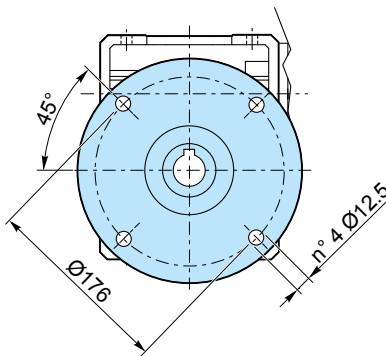
**Kg** 11.2 kg  
**OIL** 1.0 l



**VTS 086 FXT / VES 086 FXT**

**FXT DX**  
Standard

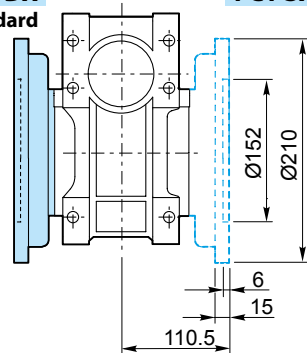
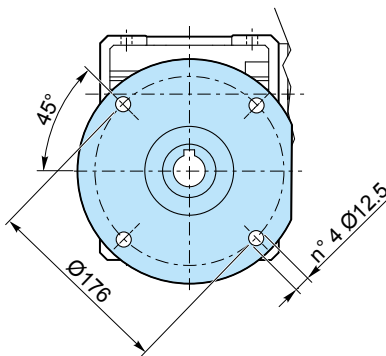
**FXT SX**



**VTS 086 FCT / VES 086 FCT**

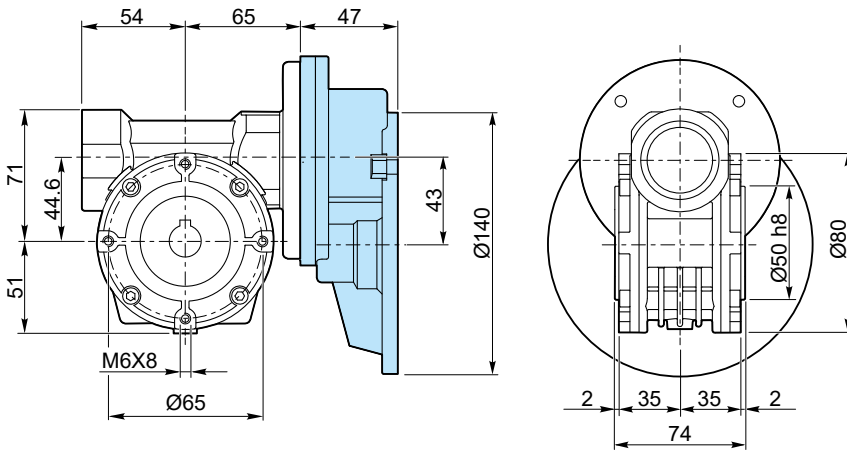
**FCT DX**  
Standard

**FCT SX**

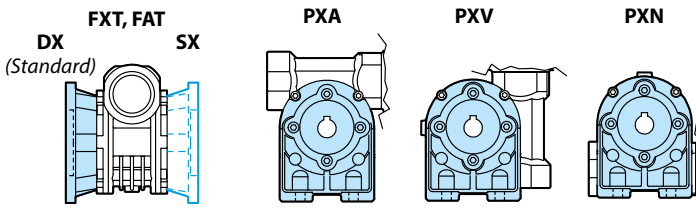
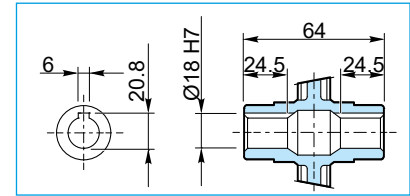


## Dimensioni riduttori a vite senza con precoppia / Dimensions helical worm gearboxes

### VRT 063/044 P ...



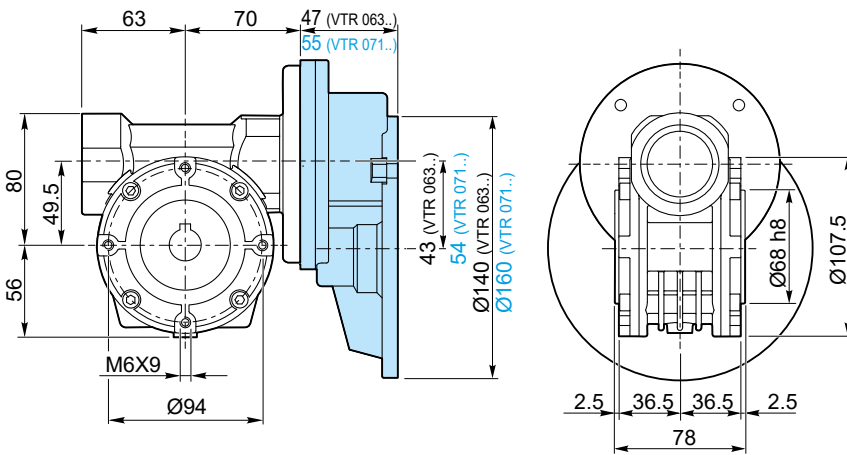
Albero uscita / Output shaft



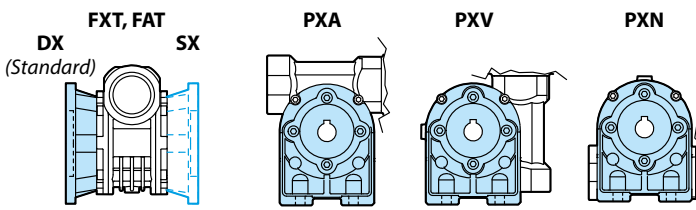
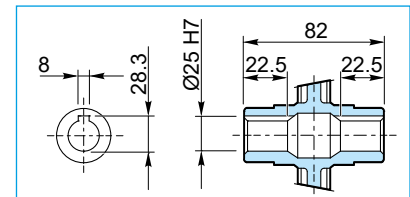
VTS 26

### VRT 063/049 P ...

### VRT 071/049 P ...



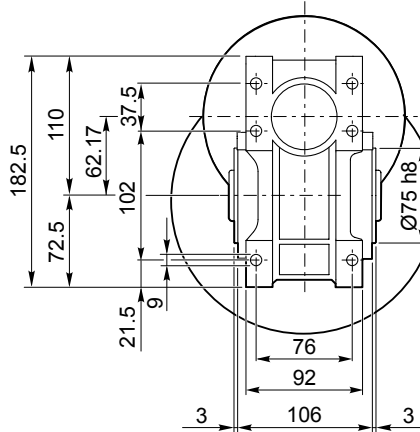
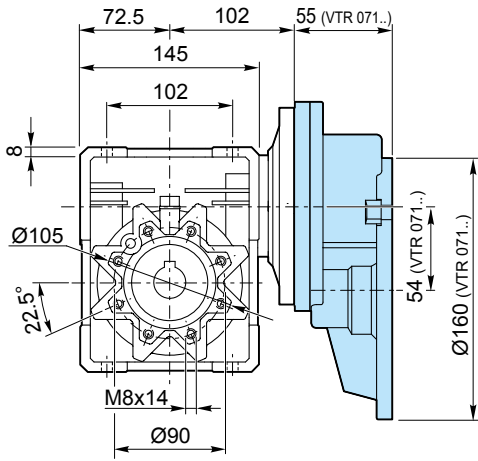
Albero uscita / Output shaft



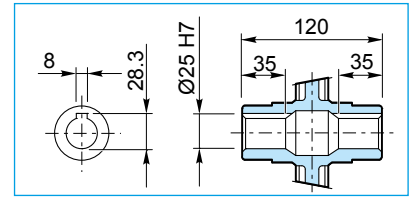
VTS 27

## Dimensioni riduttori a vite senza con precoppia / Dimensions helical worm gearboxes

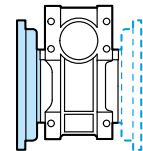
**VRT 071/063 P ...**



Albero uscita / Output shaft



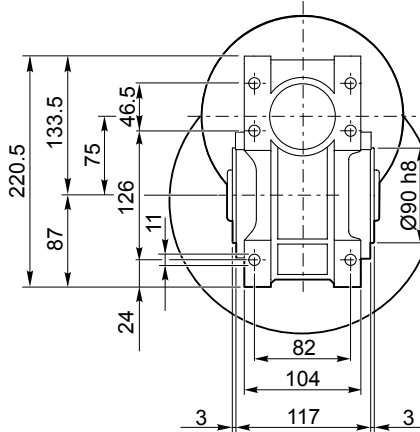
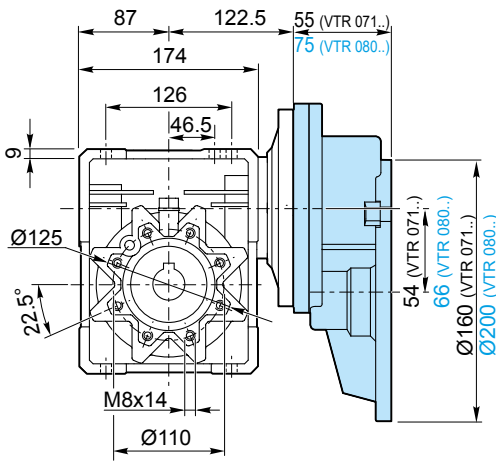
FXT, FCT



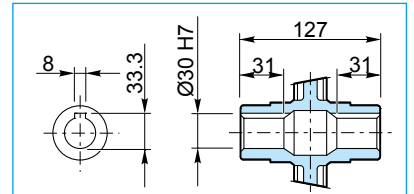
VTS 28

**VRT 071/075 P ...**

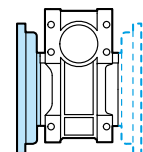
**VRT 080/075 P ...**



Albero uscita / Output shaft



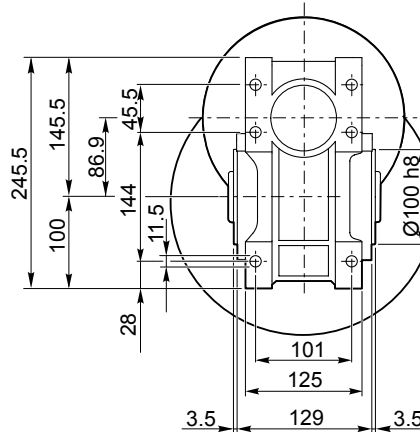
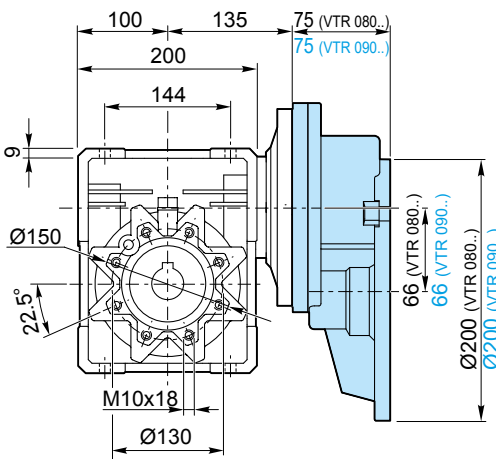
FXT, FCT



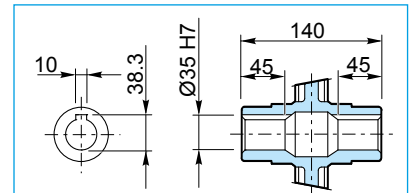
VTS 29

**VRT 080/086 P ...**

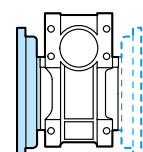
**VRT 090/086 P ...**



Albero uscita / Output shaft



FXT, FCT

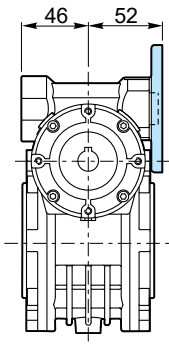


VTS 30

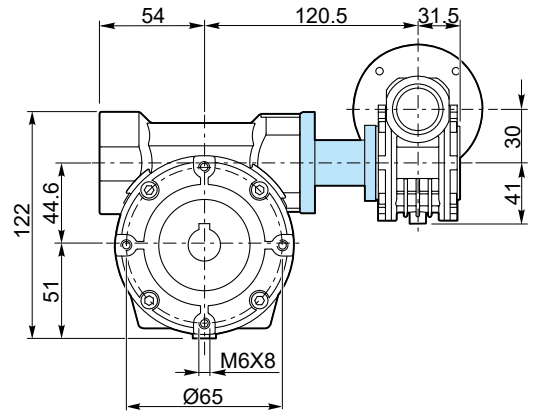
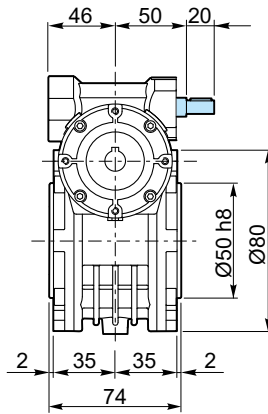


## Dimensioni riduttori a vite senza fine combinati / Dimensions combination worm gearboxes

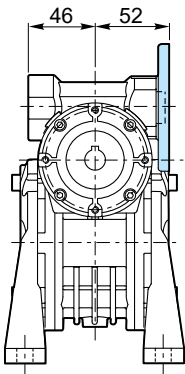
VKS 030/044 P ...



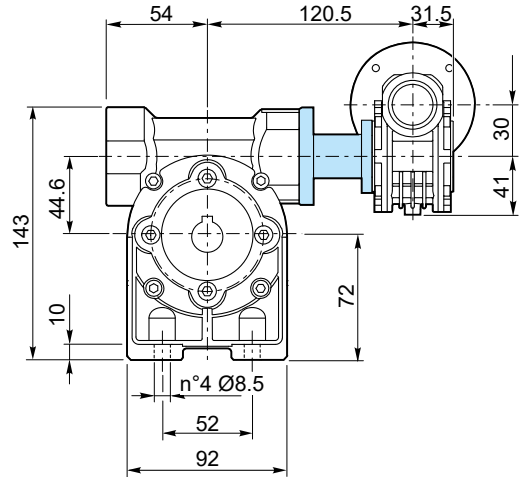
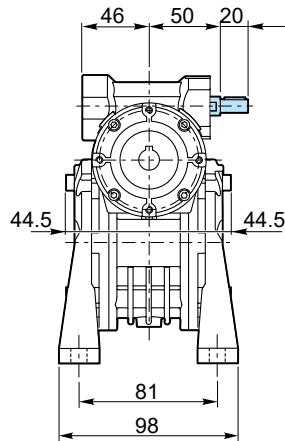
VKE 030/044 P ...



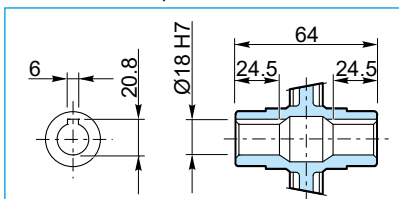
VKS 030/044 PXA ...



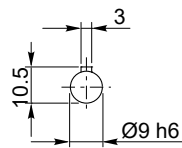
VKE 030/044 PXA ...



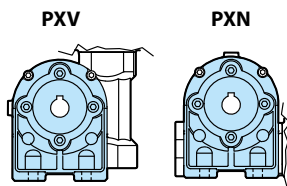
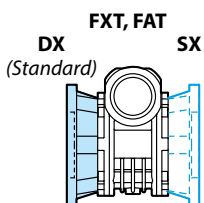
Albero uscita / Output shaft



Albero entrata / Input shaft



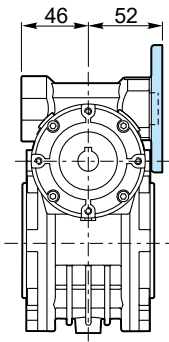
VKS 030/044 ...  
VKE 030/044 ...



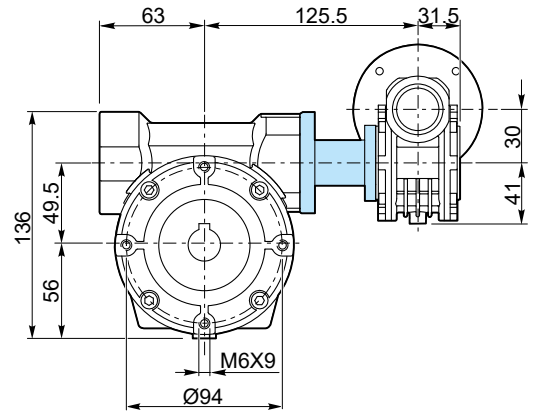
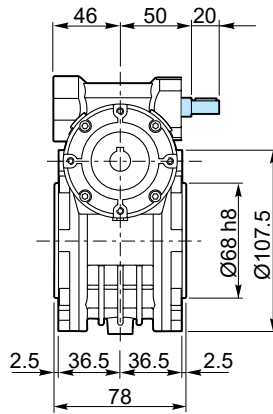
VTS  
26

## Dimensioni riduttori a vite senza fine combinati / Dimensions combination worm gearboxes

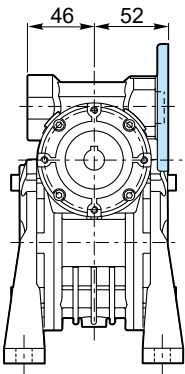
VKS 030/049 P ...



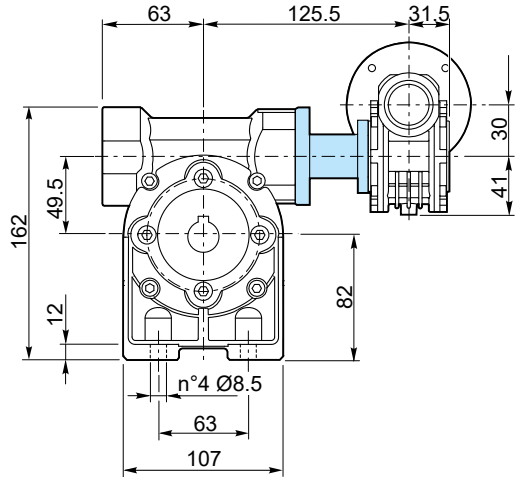
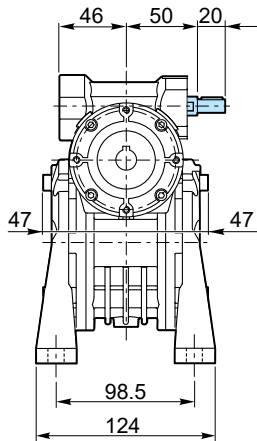
VKE 030/049 P ...



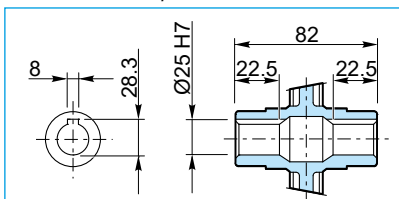
VKS 030/049 PXA ...



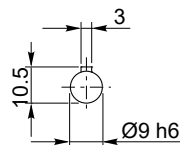
VKE 030/049 PXA ...



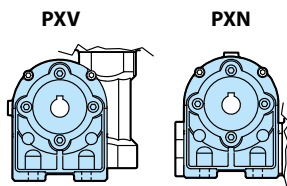
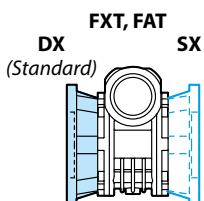
Albero uscita / Output shaft



Albero entrata / Input shaft



VKS 030/049 ...  
VKE 030/049 ...

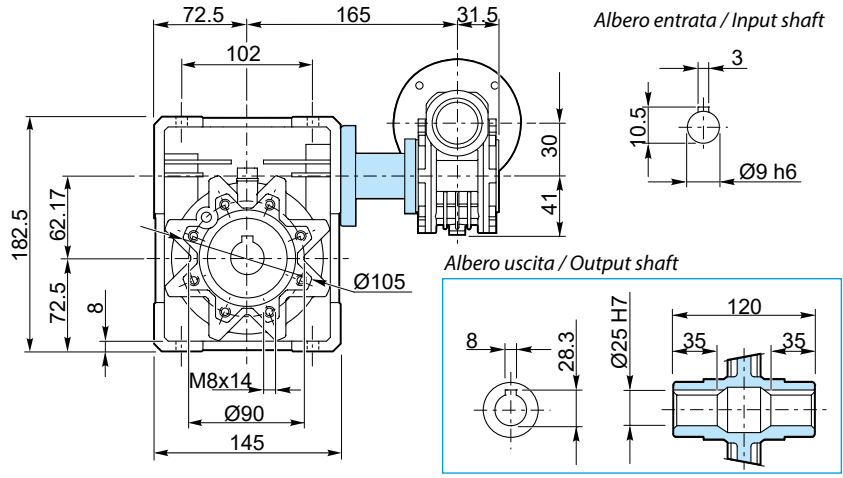
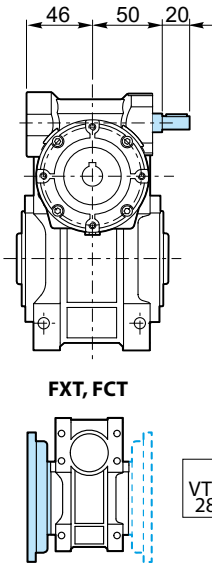
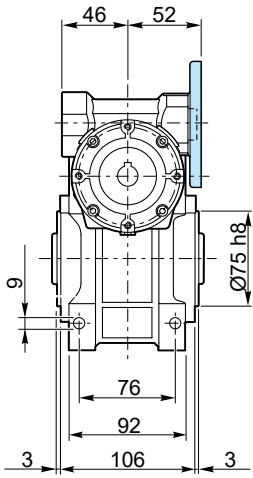


VTS  
27

## Dimensioni riduttori a vite senza fine combinati / Dimensions combination worm gearboxes

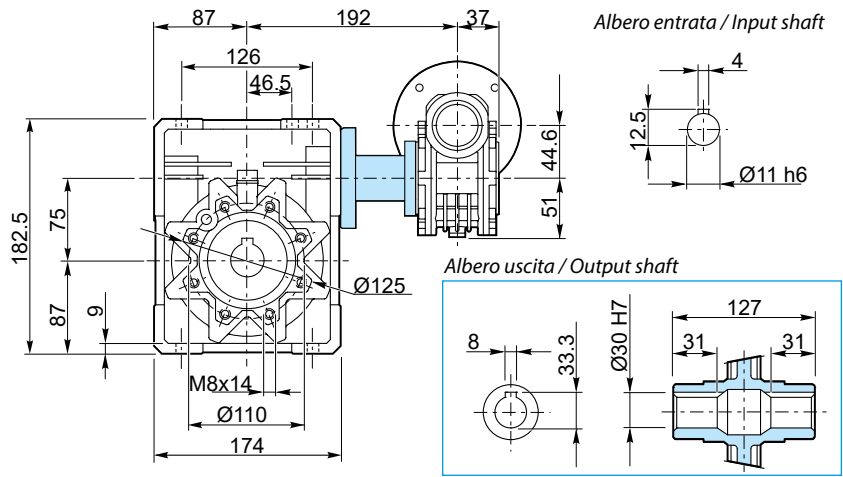
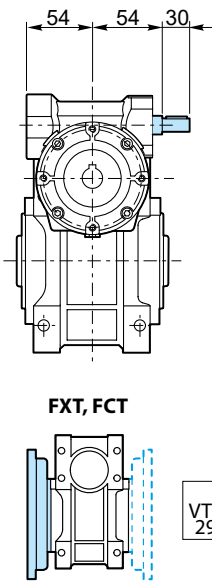
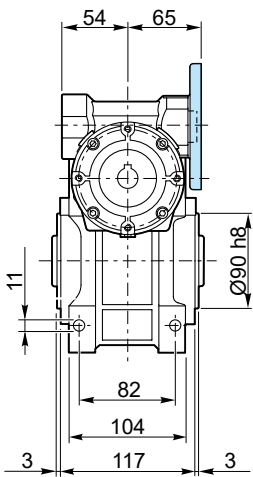
**VKS 030/063 P ...**

**VKE 030/063 P ...**



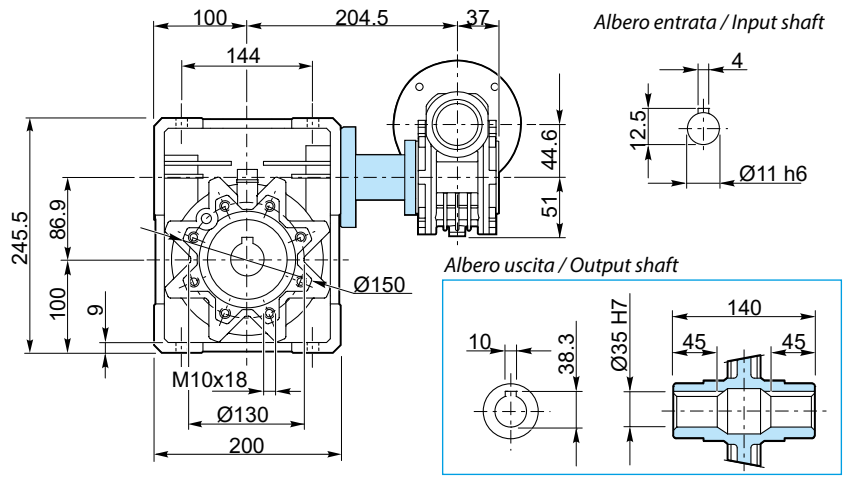
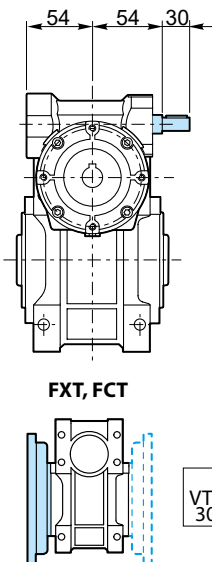
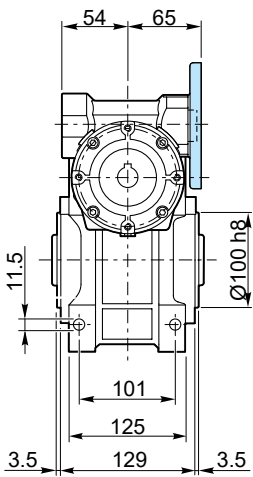
**VKS 044/075 P ...**

**VKE 044/075 P ...**



**VKS 044/086 P ...**

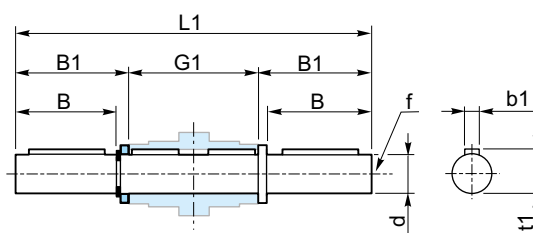
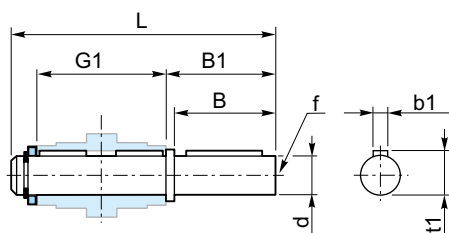
**VKE 044/086 P ...**



## Kit assemblaggio - Accessori / Assembly Kit - Accessories

### AST Albero lento semplice / Single output shaft

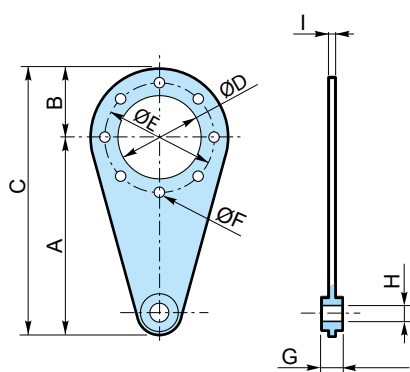
### ADT Albero lento doppio / Double output shaft



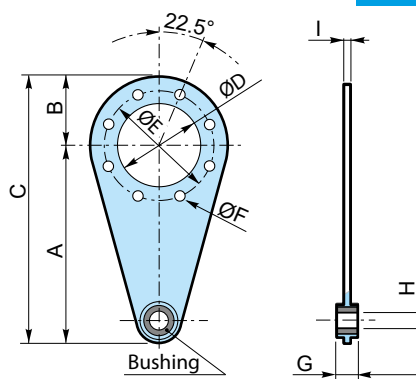
VTS / VES	Grandezza - Size					
	030	044	049	063	075	086
d	14 h6	18 h6	25 h6	25 h6	30 h6	35 h6
B	30	40	60	60	60	60
B1	35	45	65	65	65	65
G1	61	70	89	127	134	149
G2	55	64	82	120	127	140
L	96	115	154	192	199	214
L1	120	149.4	208.4	246.4	255	268
f	M5	M6	M8	M8	M10	M10
b1	5	6	8	8	8	10
t1	16	20.5	28	28	33	38
CODICE / CODE AST	AST030	AST044	AST049	AST063	AST075	AST086
CODICE / CODE ADT	ADT030	ADT044	ADT049	ADT063	ADT075	ADT086

### BRT Braccio di reazione / Torque arm

030 - 044 - 049



063 - 075 - 086

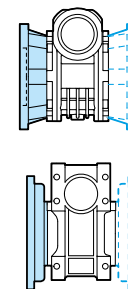


	Grandezza - Size					
	030	044	049	063	075	086
A	100	100	100	150	200	200
B	40	40	55	52.5	62.5	75
C	157.5	157.5	172.5	232.5	300	312.5
D	50	50	68	75	90	110
E	65	65	94	90	110	130
F	7	7	7	9	9	11
G	14	14	14	20	25	25
H	8	8	8	10	20	20
I	4	4	4	6	6	6
CODICE / CODE	BRT030	BRT044	BRT049	BRT063	BRT075	BRT086

Kit assemblaggio - Accessori / Assembly Kit - Accessories

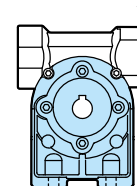
**KIT FLANGIA USCITA / KIT OUTPUT FLANGE**

Riduttore Gearbox	Grandezza - Size													
	VTS / VTE	030			044			049		063		075		086
VKS / VKE	-	030/044			030/049			030/063		044/075		044/086		
TIPO FLANGIA / TYPE FLANGE	FXT	FXT	FAT	FXT	FAT	FXT	FCT	FXT	FCT	FXT	FCT	FXT	FCT	
CODICE / CODE	FXT030	FXT044	FAT044	FXT049	FAT049	FXT063	FCT063	FXT075	FCT075	FXT086	FCT086			



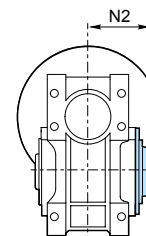
**KIT PIEDE / KIT FOOT**

Riduttore Gearbox	Grandezza - Size			
	VTS / VTE	030	044	049
VKS / VKE	-	030/044		030/049
CODICE / CODE		PUT030	PUT044	PUT049



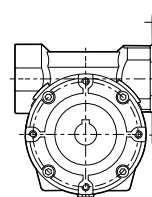
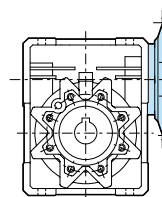
**KIT PROTEZIONE ALBERO CAVO / KIT HOLLOW SHAFT PROTECTION**

Riduttore Gearbox	Grandezza - Size						
	VTS / VTE	030	044	049	063	075	086
VKS / VKE	-	030/044		030/049	030/063	044/075	044/086
N2	42	50	58	82	85.5	93.5	
CODICE / CODE	COT030	COT044	COT049	COT063	COT075	COT086	



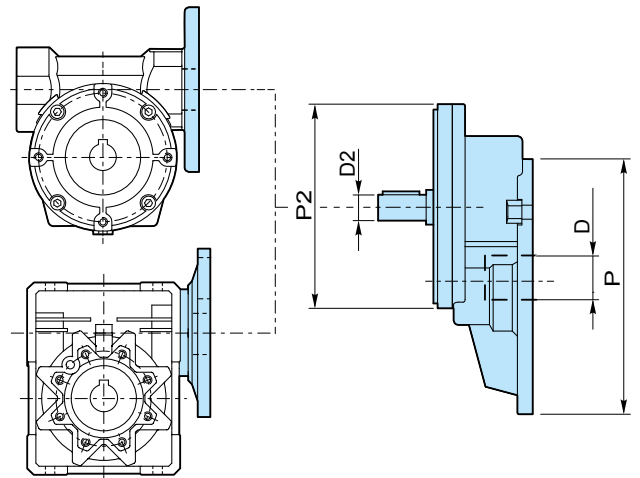
**KIT FLANGIA ENTRATA / KIT INPUT FLANGE**

VTS	IEC	CODICE / CODE
030	63B5	FIT030063B5
	63B14	FIT030063B14
	56B14	FIT030056B14
044	71B5	FIT044071B5
	71B14	FIT044071B14
	63B5	FIT044063B5
	63B14	FIT044063B14
049	80B5	FIT049080B5
	80B14	FIT049080B14
	71B5	FIT049071B5
	71B14	FIT049071B14
	63B5	FIT049063B5
063	63B14	FIT049063B14
	90B5	FIT063080B5
	90B14	FIT063090B14
	80B5	FIT063080B5
	80B14	FIT063080B14
	71B5	FIT063071B5
075	71B14	FIT063071B14
	100/112B5	FIT075100B5
	100/112B14	FIT075100B14
	90B5	FIT075080B5
	90B14	FIT075090B14
	80B5	FIT075080B5
	80B14	FIT075080B14
086	71B5	FIT075071B5
	100/112B5	FIT075100B5
	100/112B14	FIT075100B14
	90B5	FIT075080B5
	90B14	FIT075090B14
	80B5	FIT075080B5
	80B14	FIT075080B14



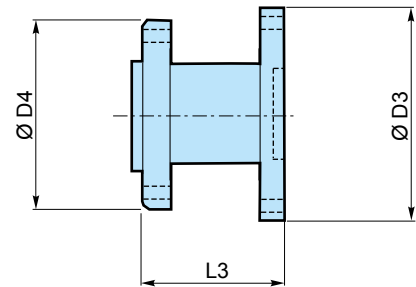
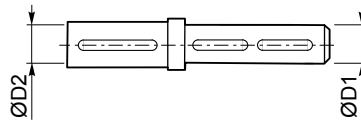
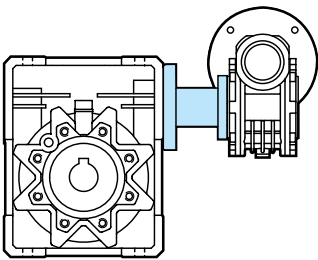
**Kit assemblaggio - Accessori / Assembly Kit - Accessories**
**KIT PRECOPPIA / KIT PRE-STAGE**

VR	CODICE / CODE	P	D	P2	D2	R1	Kg
<b>063/044</b> <b>063/049</b>	PR063A11	140	11	105	11	2.94	1.5
	PR063A14	140	11	105	14		1.5
<b>071/049</b> <b>071/063</b> <b>071/075</b>	PR071A14	160	14	120	14	2.94	2.6
	PR071A19	160	14	120	19		2.6
<b>080/075</b> <b>080/086</b>	PR080A19	200	19	160	19	3	4.7
	PR080A24	200	19	160	24		4.7
<b>090/086</b>	PR090A24	200	24	160	24	2.45	4.7
	PR090A28	200	24	160	28		4.7

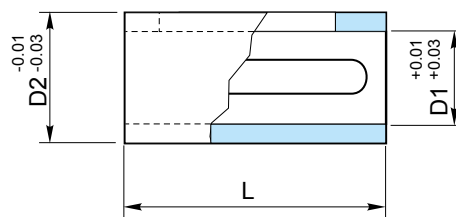

**KIT COMBINAZIONE VITE SENZA FINE / KIT COMBINATION WORMGEARBOXES**

Albero di combinazione / Combination shaft

Flangia di combinazione / Combination flange



VKS / VKE	CODICE / CODE	Albero di combinazione / Combination shaft		Flangia di combinazione / Combination flange		
		D1	D2	D3	D4	L3
<b>030/044</b>	KCT030044A11	14	11	78	58	37.5
	KCT030044A14	14	14			
<b>030/049</b>	KCT030049A14	14	14	78	65	38
	KCT030049A19	14	19			
<b>030/063</b>	KCT030063A19	14	19	80	90	55
	KCT030063A24	14	24			
<b>044/075</b> <b>044/086</b>	KCT044075A19	18	19	80	100	57.5
	KCT044075A24	18	24			

**BC Boccola di riduzione in acciaio / Metal shaft sleeves**


<b>D2</b>	11	14	19	19	24	24	28	28
<b>D1</b>	9	11	11	14	14	19	19	24
<b>L</b>	23	30	40	40	50	50	60	60
<b>CODICE / CODE</b>	BC1109	BC1411	BC1911	BC1914	BC2414	BC2419	BC2819	BC2824