

**TRANSTECNO**<sup>®</sup>  
the modular gearmotor

**NDP**



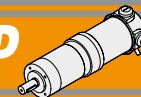
Small but Strong

NDP

Motoriduttori CC epicicloidali  
a magneti permanenti in neodimio  
Neodymium permanent magnets  
DC planetary gearmotors



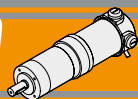




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### Caratteristiche tecniche

### Technical features

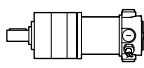
Le caratteristiche principali dei motoriduttori CC epicicloidali a magneti permanenti in neodimio serie NDP sono:

The main features of NDP Neodymium permanent magnets DC planetary gearmotors range are:

- Alimentazione in bassa tensione 12/24 Vcc
  - Possibilità di montaggio encoder
  - Potenze motore disponibili da 160 a 250 W S2
  - Magneti in Neodimio
  - Entrata ed uscita coassiali
  - Design compatto
  - Lubrificazione permanente a grasso
  - Possono essere installati in qualunque posizione di montaggio.
- Low voltage power supply 12/24 Vdc
  - Suitable for encoder assembly
  - Motor power ratings available from 160 to 250 W S2
  - Neodymium magnets
  - Coaxial arrangement of the input and output
  - Compact design
  - Permanent grease oil long-life lubrication
  - Can be intalled in all mounting position.

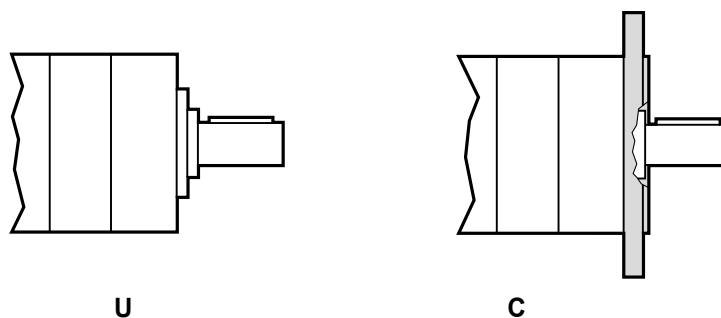
### Designazione

### Classification

MOTORIDUTTORE / GEARMOTOR								
NDP	120/62		2	C	90	34.97	120	BR
Tipo Type	Grandezza Size		Stadi riduttore Gearbox stages	Versione riduttore Gearbox Version	Flangia uscita Output flange	Rapporto Ratio	Versione Motore Motor Version	Opzioni Options
	120/52	180/52	1	U	80	Vedere tabella See tables	120	BR BRL
	120/62	180/62	2	C	90			
	120/72	180/72	3		105			
	120/81	180/81			120			
		180/105						
	180/120							

### Versioni

### Versions



### Simbologia

### Symbols

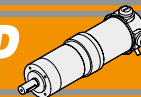
$n_1$ [min <sup>-1</sup> ]	Velocità in ingresso / Input speed	sf	Fattore di servizio / Service factor
$n_2$ [min <sup>-1</sup> ]	Velocità in uscita / Output speed	Rd %	Rendimento dinamico / Dynamic efficiency
i	Rapporto di riduzione / Ratio	A <sub>2</sub> [N]	Carico assiale ammissibile in uscita / Permitted output axial load
P <sub>1</sub> [kW]	Potenza in entrata / Input power	R <sub>2</sub> [N]	Carico radiale ammissibile in uscita / Permitted output radial load
M <sub>2</sub> [Nm]	Coppia in uscita in funzione di P <sub>1</sub> / Output torque referred to P <sub>1</sub>		

### Lubrificazione

### Lubrication

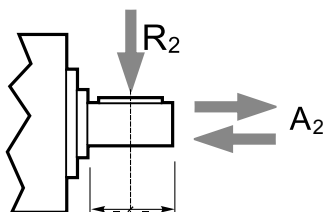
I riduttori epicicloidali sono lubrificati in modo permanente, non richiedono quindi ulteriore manutenzione. Questo gli consente di essere installati praticamente ovunque.

Planetary gearboxes are life-time lubricated with grease, therefore they are maintenance free. They can be installed in any location.



**Carichi radiali**

**Radial loads**



Numero di stadi Stages number	Carichi Radiali $R_2$ [N] / Radial Load $R_2$ [N]			
	P52	P62	P72	P81
1	200	240	320	400
2	320	360	480	600
3	450	520	760	1000

Numero di stadi Stages number	Carichi Assiali [ $A_2$ ] [N] / Axial Load [ $A_2$ ] [N]			
	P52	P62	P72	P81
1	60	70	70	80
2	100	100	100	120
3	150	150	160	200

**Rapporti**

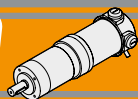
**Ratios**

Numero di stadi Stages number	Per tutte le grandezze di riduttori della serie P For all gearbox sizes of P range
	Rapporti / Ratios
1	3.70
	4.28
	5.18
	6.75
2	13.73
	15.88
	18.36
	19.20
	22.20
	25.01
	26.85
	28.93
	34.97
	45.56
3	50.89
	58.85
	68.06
	71.16
	78.71
	92.70
	95.17
	99.50
	107.20
	115.07
	123.97
	129.62
	139.13
	149.90
	168.84
	181.24
195.26	
236.09	
307.54	

**Rapporti preferenziali**  
Preferred ratios

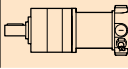
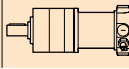
Disponibile a 4 stadi con rapporti fino a 2076  
Available 4 stages with ratio up to 2076

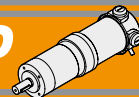
NDP



### Dati tecnici per servizio S2

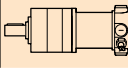
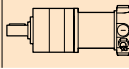
### Technical data for S2 duty

$P_1$ [W]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		Versione motore Motor version	$P_1$ [W]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		Versione motore Motor version
<b>160</b>							<b>160</b>						
(3000 min <sup>-1</sup> )	<b>811</b>	2	2.6	<b>3.70</b>	<b>NDP120/521</b>	<b>120/240</b>	(3000 min <sup>-1</sup> )	<b>59</b>	18	2.8	<b>50.89</b>	<b>NDP120/623</b>	<b>120/240</b>
	<b>701</b>	2	2.3	4.28			<b>51</b>	21	2.4	58.85			
	<b>579</b>	2	1.9	<b>5.18</b>			<b>44</b>	24	2.1	<b>68.06</b>			
	<b>444</b>	3	1.5	<b>6.75</b>			<b>42</b>	25	2.0	71.16			
	<b>218</b>	5	2.3	<b>13.73</b>	<b>NDP120/522</b>	<b>120/240</b>	<b>38</b>	28	1.8	78.71			
	<b>189</b>	6	2.0	15.88			<b>32</b>	33	1.5	<b>92.70</b>			
	<b>163</b>	7	1.7	18.36			<b>32</b>	34	1.5	95.17			
	<b>156</b>	7	1.6	<b>19.20</b>			<b>30</b>	36	1.4	99.50			
	<b>135</b>	8	1.4	22.20			<b>28</b>	38	1.3	107.20			
	<b>120</b>	10	1.3	<b>25.01</b>			<b>26</b>	41	1.2	115.07			
	<b>112</b>	10	1.2	26.85			<b>24</b>	44	1.1	123.97			
	<b>104</b>	11	1.1	<b>28.93</b>			<b>23</b>	46	1.1	129.62			
	<b>86</b>	13	0.9	<b>34.97</b>			<b>22</b>	50	1.0	139.13			
	<b>66</b>	17	0.7	<b>45.56</b>			<b>20</b>	54	0.9	149.90			
	<b>59</b>	18	1.4	<b>50.89</b>			<b>NDP120/523</b>	<b>120/240</b>	<b>18</b>	60	0.8	<b>168.84</b>	
	<b>51</b>	21	1.2	58.85					<b>17</b>	65	0.8	181.24	
	<b>44</b>	24	1.0	<b>68.06</b>					<b>15</b>	70	0.7	195.26	
	<b>42</b>	25	1.0	71.16					<b>13</b>	71	0.7	236.09	
	<b>38</b>	28	0.9	78.71	<b>9.8</b>	71			0.7	<b>307.54</b>			
	<b>32</b>	33	0.8	<b>92.70</b>	<b>44</b>	24			3.5	<b>68.06</b>	<b>NDP120/723</b>	<b>120/240</b>	
	<b>32</b>	34	0.7	95.17	<b>42</b>	25			3.3	71.16			
	<b>30</b>	36	0.7	99.50	<b>38</b>	28			3.0	78.71			
	<b>28</b>	36	0.7	107.20	<b>32</b>	33			2.5	<b>92.70</b>			
	<b>26</b>	36	0.7	115.07	<b>32</b>	34			2.5	95.17			
	<b>24</b>	36	0.7	123.97	<b>30</b>	36			2.4	99.50			
	<b>23</b>	36	0.7	129.62	<b>28</b>	38			2.2	107.20			
	<b>22</b>	36	0.7	139.13	<b>26</b>	41			2.0	115.07			
	<b>20</b>	36	0.7	149.90	<b>24</b>	44			1.9	123.97			
	<b>18</b>	36	0.7	<b>168.84</b>	<b>23</b>	46	1.8	129.62					
	<b>17</b>	36	0.7	181.24	<b>22</b>	50	1.7	139.13					
	<b>15</b>	36	0.7	195.26	<b>20</b>	54	1.6	149.90					
	<b>13</b>	36	0.7	236.09	<b>18</b>	60	1.4	<b>168.84</b>					
	<b>9.8</b>	36	0.7	<b>307.54</b>	<b>17</b>	65	1.3	181.24					
	<b>579</b>	2	3.8	<b>5.18</b>	<b>NDP120/621</b>	<b>120/240</b>	<b>15</b>	70	1.2	195.26			
	<b>444</b>	3	2.9	<b>6.75</b>			<b>13</b>	84	1.0	236.09			
	<b>218</b>	5	4.8	<b>13.73</b>	<b>NDP120/622</b>	<b>120/240</b>	<b>9.8</b>	110	0.8	<b>307.54</b>			
	<b>189</b>	6	4.1	15.88			<b>32</b>	33	3.6	<b>92.70</b>	<b>NDP120/813</b>	<b>120/240</b>	
	<b>163</b>	7	3.6	18.36			<b>32</b>	34	3.5	95.17			
	<b>156</b>	7	3.4	<b>19.20</b>			<b>30</b>	36	3.4	99.50			
	<b>135</b>	8	2.9	22.20			<b>28</b>	38	3.1	107.20			
	<b>120</b>	10	2.6	<b>25.01</b>			<b>26</b>	41	2.9	115.07			
	<b>112</b>	10	2.4	26.85			<b>24</b>	44	2.7	123.97			
	<b>104</b>	11	2.3	<b>28.93</b>			<b>23</b>	46	2.6	129.62			
	<b>86</b>	13	1.9	<b>34.97</b>			<b>22</b>	50	2.4	139.13			
	<b>66</b>	17	1.4	<b>45.56</b>			<b>20</b>	54	2.2	149.90			
							<b>18</b>	60	2.0	<b>168.84</b>			
							<b>17</b>	65	1.9	181.24			
							<b>15</b>	70	1.7	195.26			
							<b>13</b>	84	1.4	236.09			
					<b>9.8</b>	110	1.1	<b>307.54</b>					

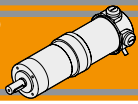


**Dati tecnici per servizio S2**

**Technical data for S2 duty**

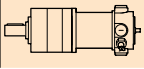
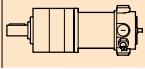
$P_1$ [W]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		Versione motore Motor version	$P_1$ [W]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		Versione motore Motor version		
<b>250</b>							<b>250</b>								
(3000 min <sup>-1</sup> )	<b>811</b>	2	1.7	<b>3.70</b>	<b>NDP180/521</b>	<b>120/240</b>	(3000 min <sup>-1</sup> )	<b>59</b>	28	1.8	<b>50.89</b>	<b>NDP180/623</b>	<b>120/240</b>		
	<b>701</b>	3	1.5	<b>4.28</b>			<b>120/240</b>		<b>51</b>	33	1.5			<b>58.85</b>	<b>120/240</b>
	<b>579</b>	3	1.2	<b>5.18</b>			<b>120/240</b>		<b>44</b>	38	1.3			<b>68.06</b>	<b>120/240</b>
	<b>444</b>	4	0.9	<b>6.75</b>			<b>120/240</b>		<b>42</b>	40	1.3			<b>71.16</b>	<b>120/240</b>
	<b>218</b>	8	1.5	<b>13.73</b>	<b>NDP180/522</b>	<b>120/240</b>		<b>38</b>	44	1.1	<b>78.71</b>	<b>120/240</b>			
	<b>189</b>	10	1.3	<b>15.88</b>			<b>120/240</b>		<b>32</b>	52	1.0	<b>92.70</b>	<b>120/240</b>		
	<b>163</b>	11	1.1	<b>18.36</b>			<b>120/240</b>		<b>32</b>	53	0.9	<b>95.17</b>	<b>120/240</b>		
	<b>156</b>	12	1.0	<b>19.20</b>			<b>120/240</b>		<b>30</b>	56	0.9	<b>99.50</b>	<b>120/240</b>		
	<b>135</b>	13	0.9	<b>22.20</b>			<b>120/240</b>		<b>28</b>	60	0.8	<b>107.20</b>	<b>120/240</b>		
	<b>120</b>	15	0.8	<b>25.01</b>			<b>120/240</b>		<b>26</b>	64	0.8	<b>115.07</b>	<b>120/240</b>		
	<b>112</b>	16	0.7	<b>26.85</b>			<b>120/240</b>		<b>24</b>	69	0.7	<b>123.97</b>	<b>120/240</b>		
	<b>104</b>	17	0.7	<b>28.93</b>			<b>120/240</b>		<b>23</b>	71	0.7	<b>129.62</b>	<b>120/240</b>		
	<b>86</b>	17	0.7	<b>34.97</b>			<b>120/240</b>		<b>22</b>	71	0.7	<b>139.13</b>	<b>120/240</b>		
	<b>66</b>	17	0.7	<b>45.56</b>			<b>120/240</b>		<b>20</b>	71	0.7	<b>149.90</b>	<b>120/240</b>		
	<b>59</b>	28	0.9	<b>50.89</b>			<b>NDP180/523</b>	<b>120/240</b>		<b>18</b>	71	0.7	<b>168.84</b>	<b>120/240</b>	
	<b>51</b>	33	0.8	<b>58.85</b>	<b>120/240</b>				<b>17</b>	71	0.7	<b>181.24</b>	<b>120/240</b>		
	<b>44</b>	36	0.7	<b>68.06</b>	<b>120/240</b>				<b>15</b>	71	0.7	<b>195.26</b>	<b>120/240</b>		
	<b>42</b>	36	0.7	<b>71.16</b>	<b>120/240</b>				<b>13</b>	71	0.7	<b>236.09</b>	<b>120/240</b>		
	<b>38</b>	36	0.7	<b>78.71</b>	<b>120/240</b>				<b>9.8</b>	71	0.7	<b>307.54</b>	<b>120/240</b>		
	<b>32</b>	36	0.7	<b>92.70</b>	<b>120/240</b>				<b>579</b>	3	4.2	<b>5.18</b>	<b>NDP180/721</b>	<b>120/240</b>	
	<b>32</b>	36	0.7	<b>95.17</b>	<b>120/240</b>				<b>444</b>	4	3.2	<b>6.75</b>		<b>120/240</b>	
	<b>30</b>	36	0.7	<b>99.50</b>	<b>120/240</b>				<b>156</b>	12	3.6	<b>19.20</b>	<b>NDP180/722</b>	<b>120/240</b>	
	<b>28</b>	36	0.7	<b>107.20</b>	<b>120/240</b>				<b>135</b>	13	3.2	<b>22.20</b>		<b>120/240</b>	
	<b>26</b>	36	0.7	<b>115.07</b>	<b>120/240</b>				<b>120</b>	15	2.8	<b>25.01</b>		<b>120/240</b>	
	<b>24</b>	36	0.7	<b>123.97</b>	<b>120/240</b>				<b>112</b>	16	2.6	<b>26.85</b>		<b>120/240</b>	
	<b>23</b>	36	0.7	<b>129.62</b>	<b>120/240</b>		<b>104</b>	17	2.4	<b>28.93</b>	<b>120/240</b>				
	<b>22</b>	36	0.7	<b>139.13</b>	<b>120/240</b>		<b>86</b>	21	2.0	<b>34.97</b>	<b>120/240</b>				
	<b>20</b>	36	0.7	<b>149.90</b>	<b>120/240</b>		<b>66</b>	27	1.5	<b>45.56</b>	<b>120/240</b>				
	<b>18</b>	36	0.7	<b>168.84</b>	<b>120/240</b>		<b>59</b>	28	2.9	<b>50.89</b>	<b>NDP180/723</b>	<b>120/240</b>			
	<b>17</b>	36	0.7	<b>181.24</b>	<b>120/240</b>		<b>51</b>	33	2.5	<b>58.85</b>		<b>120/240</b>			
	<b>15</b>	36	0.7	<b>195.26</b>	<b>120/240</b>		<b>44</b>	38	2.2	<b>68.06</b>		<b>120/240</b>			
	<b>13</b>	36	0.7	<b>236.09</b>	<b>120/240</b>		<b>42</b>	40	2.1	<b>71.16</b>		<b>120/240</b>			
	<b>9.8</b>	36	0.7	<b>307.54</b>	<b>120/240</b>		<b>38</b>	44	1.9	<b>78.71</b>		<b>120/240</b>			
	<b>811</b>	2	3.4	<b>3.70</b>	<b>NDP180/621</b>	<b>120/240</b>		<b>32</b>	52	1.6		<b>92.70</b>	<b>120/240</b>		
	<b>701</b>	3	2.9	<b>4.28</b>			<b>120/240</b>		<b>32</b>	53		1.6	<b>95.17</b>	<b>120/240</b>	
	<b>579</b>	3	2.4	<b>5.18</b>			<b>120/240</b>		<b>30</b>	56		1.5	<b>99.50</b>	<b>120/240</b>	
	<b>444</b>	4	1.9	<b>6.75</b>			<b>120/240</b>		<b>28</b>	60		1.4	<b>107.20</b>	<b>120/240</b>	
	<b>218</b>	8	3.0	<b>13.73</b>	<b>NDP180/622</b>	<b>120/240</b>		<b>26</b>	64	1.3		<b>115.07</b>	<b>120/240</b>		
	<b>189</b>	10	2.6	<b>15.88</b>			<b>120/240</b>		<b>24</b>	69		1.2	<b>123.97</b>	<b>120/240</b>	
	<b>163</b>	11	2.3	<b>18.36</b>			<b>120/240</b>		<b>23</b>	73	1.2	<b>129.62</b>	<b>120/240</b>		
	<b>156</b>	12	2.2	<b>19.20</b>			<b>120/240</b>		<b>22</b>	78	1.1	<b>139.13</b>	<b>120/240</b>		
	<b>135</b>	13	1.9	<b>22.20</b>			<b>120/240</b>		<b>20</b>	84	1.0	<b>149.90</b>	<b>120/240</b>		
	<b>120</b>	15	1.7	<b>25.01</b>			<b>120/240</b>		<b>18</b>	95	0.9	<b>168.84</b>	<b>120/240</b>		
	<b>112</b>	16	1.6	<b>26.85</b>			<b>120/240</b>		<b>17</b>	101	0.8	<b>181.24</b>	<b>120/240</b>		
	<b>104</b>	17	1.4	<b>28.93</b>			<b>120/240</b>		<b>15</b>	109	0.8	<b>195.26</b>	<b>120/240</b>		
	<b>86</b>	21	1.2	<b>34.97</b>			<b>120/240</b>		<b>13</b>	120	0.7	<b>236.09</b>	<b>120/240</b>		
	<b>66</b>	27	0.9	<b>45.56</b>			<b>120/240</b>		<b>9.8</b>	120	0.7	<b>307.54</b>	<b>120/240</b>		
									<b>86</b>	21	2.9	<b>34.97</b>	<b>NDP180/812</b>	<b>120/240</b>	
							<b>66</b>	27	2.2	<b>45.56</b>	<b>120/240</b>				

NDP

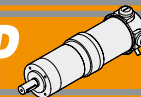


### Dati tecnici per servizio S2

### Technical data for S2 duty

$P_1$ [W]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		Versione motore Motor version	$P_1$ [W]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		Versione motore Motor version
<b>250</b>							<b>250</b>						
(3000 min <sup>-1</sup> )	<b>44</b>	38	3.1	<b>68.06</b>	<b>NDP180/813</b>	<b>120/240</b>	(3000 min <sup>-1</sup> )	<b>32</b>	52	3.8	<b>92.70</b>	<b>NDP180/1053</b>	<b>120/240</b>
	<b>42</b>	40	3.0	<b>71.16</b>		<b>120/240</b>		<b>32</b>	53	3.7	<b>95.17</b>		<b>120/240</b>
	<b>38</b>	44	2.7	<b>78.71</b>		<b>120/240</b>		<b>30</b>	56	3.5	<b>99.50</b>		<b>120/240</b>
	<b>32</b>	52	2.3	<b>92.70</b>		<b>120/240</b>		<b>28</b>	60	3.2	<b>107.20</b>		<b>120/240</b>
	<b>32</b>	53	2.3	<b>95.17</b>		<b>120/240</b>		<b>26</b>	64	3.0	<b>115.07</b>		<b>120/240</b>
	<b>30</b>	56	2.2	<b>99.50</b>		<b>120/240</b>		<b>24</b>	69	2.8	<b>123.97</b>		<b>120/240</b>
	<b>28</b>	60	2.0	<b>107.20</b>		<b>120/240</b>		<b>23</b>	73	2.7	<b>129.62</b>		<b>120/240</b>
	<b>26</b>	64	1.9	<b>115.07</b>		<b>120/240</b>		<b>22</b>	78	2.5	<b>139.13</b>		<b>120/240</b>
	<b>24</b>	69	1.7	<b>123.97</b>		<b>120/240</b>		<b>20</b>	84	2.3	<b>149.90</b>		<b>120/240</b>
	<b>23</b>	73	1.7	<b>129.62</b>		<b>120/240</b>		<b>18</b>	95	2.1	<b>168.84</b>		<b>120/240</b>
	<b>22</b>	78	1.5	<b>139.13</b>		<b>120/240</b>		<b>17</b>	101	1.9	<b>181.24</b>		<b>120/240</b>
	<b>20</b>	84	1.4	<b>149.90</b>		<b>120/240</b>		<b>15</b>	109	1.8	<b>195.26</b>		<b>120/240</b>
	<b>18</b>	95	1.3	<b>168.84</b>		<b>120/240</b>		<b>13</b>	132	1.5	<b>236.09</b>		<b>120/240</b>
	<b>17</b>	101	1.2	<b>181.24</b>		<b>120/240</b>		<b>9.8</b>	172	1.1	<b>307.54</b>		<b>120/240</b>
	<b>15</b>	109	1.1	<b>195.26</b>		<b>120/240</b>							
	<b>13</b>	132	0.9	<b>236.09</b>		<b>120/240</b>		<b>18</b>	95	3.2	<b>168.84</b>	<b>NDP180/1203</b>	<b>120/240</b>
	<b>9.8</b>	172	0.7	<b>307.54</b>		<b>120/240</b>		<b>17</b>	101	3.0	<b>181.24</b>		<b>120/240</b>
								<b>15</b>	109	2.7	<b>195.26</b>		<b>120/240</b>
								<b>13</b>	132	2.3	<b>236.09</b>		<b>120/240</b>
								<b>9.8</b>	172	1.7	<b>307.54</b>		<b>120/240</b>

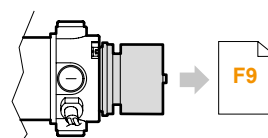
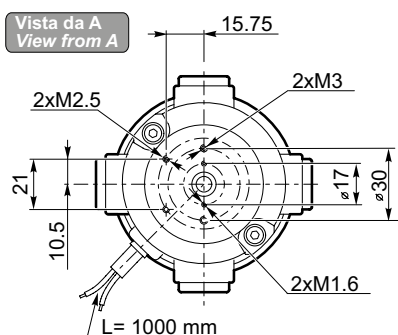
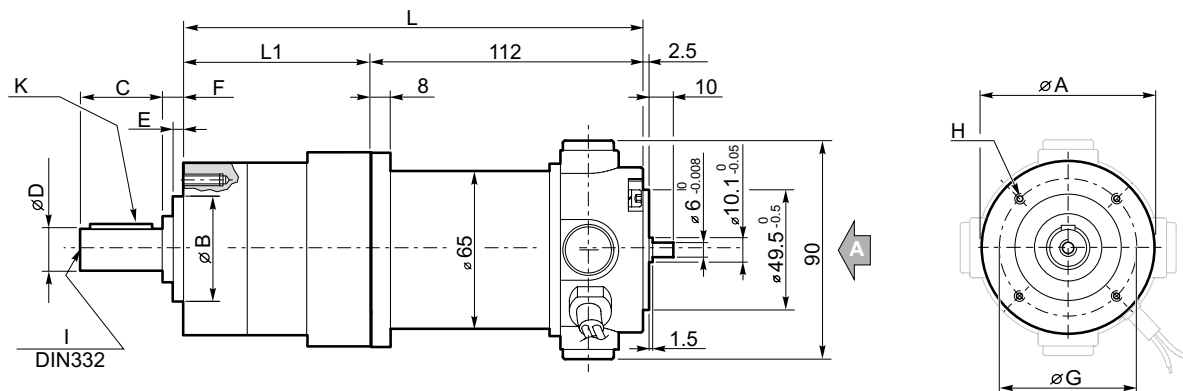




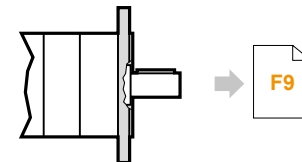
Dimensioni

Dimensions

NDP120/... U



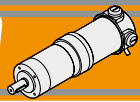
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 NDP120/... U BRL



NDP120/... C...

NDP

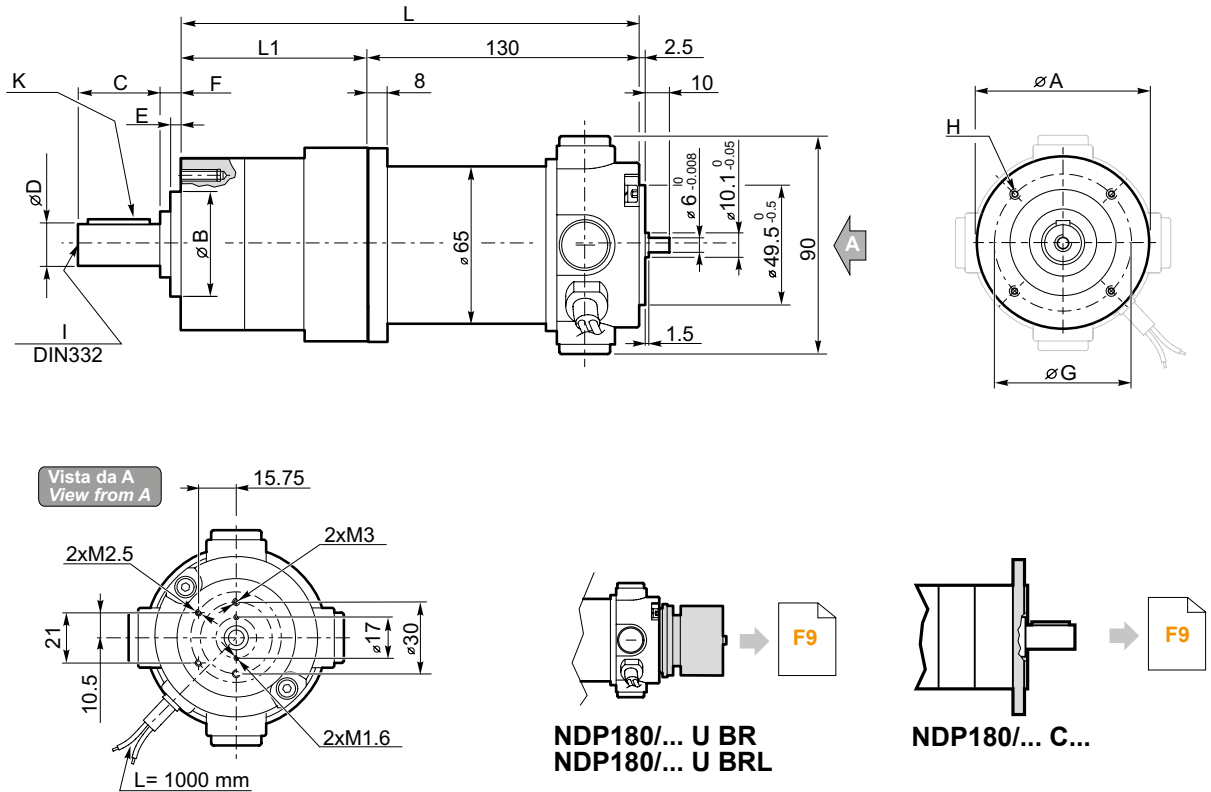
Tipo Type	Numero di stadi Stages number	Dimensioni / Dimensions											
		L1	L	A	B	C	D	E	F	G	H	I	K
NDP120/52...	1	74	186	52	32 h8	20.8	12 h7	3	4.2	40	M5x10	M4x10	4x4x16
	2	88	200										
	3	102	214										
NDP120/62...	1	74	186	62	40 j7	30	14 h7	5	9	52	M5x10	M5x12	5x5x18
	2	90	202										
	3	106	218										
NDP120/72...	1	82.4	194.4	72	45 j7	40	16 h7	5	9	60	M5x10	M5x12	5x5x30
	2	102	214										
	3	121.6	233.6										
NDP120/81...	1	91	203	81	50 j7	40	19 h7	5	9	65	M6x12	M6x16	6x6x28
	2	113	225										
	3	135	247										



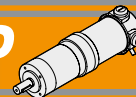
**Dimensioni**

**Dimensions**

**NDP180/... U**



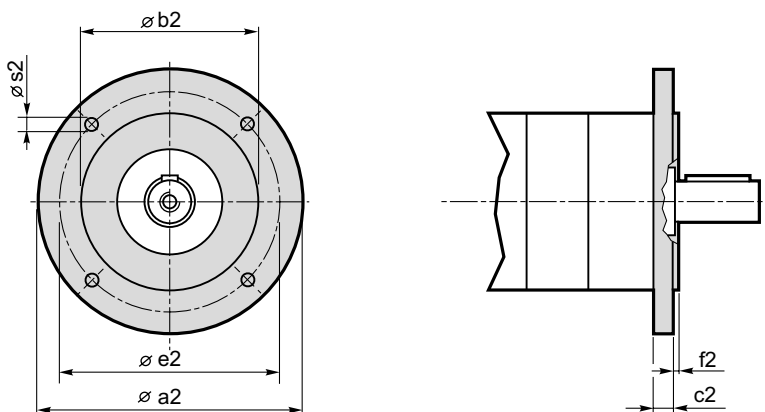
Tipo Type	Numero di stadi Stages number	Dimensioni / Dimensions											
		L1	L	A	B	C	D	E	F	G	H	I	K
NDP180/52	1	74	204	52	32 h8	20.8	12 h7	3	4.2	40	M5x10	M4x10	4x4x16
	2	88	218										
	3	102	232										
NDP180/62	1	74	204	62	40 j7	30	14 h7	5	9	52	M5x10	M5x12	5x5x18
	2	90	220										
	3	106	236										
NDP180/72	1	82.4	212.4	72	45 j7	40	16 h7	5	9	60	M5x10	M5x12	5x5x30
	2	102	232										
	3	121.6	251.6										
NDP180/81	1	91	203	81	50 j7	40	19 h7	5	9	65	M6x12	M6x16	6x6x28
	2	113	225										
	3	135	247										
NDP180105	1	113.4	243.4	105	70 j7	50	25 h7	5	9	85	M8x16	M10x22	8x7x40
	2	144.5	274.5										
	3	175.5	305.5										
NDP180/120	1	131.6	261.6	120	80 j7	73	32 k6	5	15	100	M10x22	M12	10x8x50
	2	165.8	295.8										
	3	200	330										



**Dimensioni**

**Dimensions**

**NDP.../... C...** Flange uscita / Output flanges

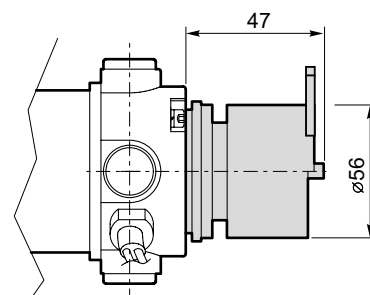
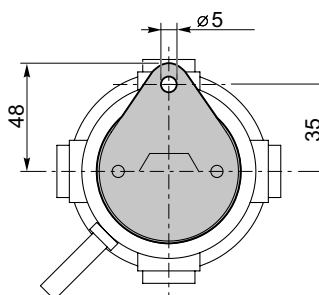
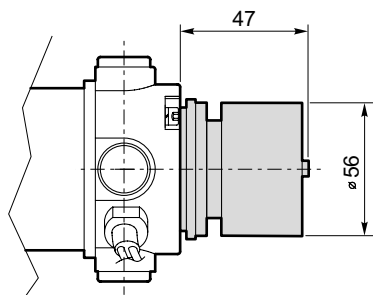


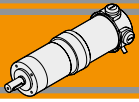
Dimensioni / Dimensions							
P	a2	b2	c2	e2	f2	s2	Flangia uscita Output flange
52	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	5.5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120
62	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	5.5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120
72	80	50 j7	9	65	2.5	M5	C80
	90	60 j7	9	75	2.5	M5	C90
	105	70 j7	9	85	2.5	6.5	C105
	120	80 j7	9	100	3.0	6.5	C120
81	90	60 j7	9	75	2.5	M5	C90
	105	70 j7	9	85	2.5	M6	C105
	120	80 j7	9	100	3.0	6.5	C120
P105	120	80 j7	12	100	3	M6	C120
	140	95 j7	12	115	3.5	M8	C140
	160	110 j7	12	130	3.5	M8	C160
P120	140	95 j7	15	115	3	M8	C140
	160	110 j7	15	130	3.5	M8	C160

NDP

**NDP.../... U BR** Freno / Brake

**NDP.../... U BRL** Freno con leva di sblocco / Brake with hand release





# Note/Notes

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