

TRANSTECNO[®]
the modular gearmotor

ECWMP

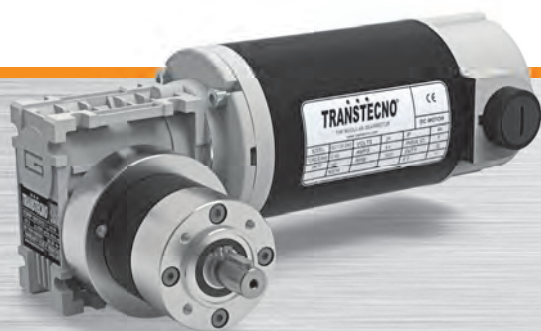
ECWMP

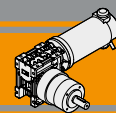


Small but Strong

Ferrite

Motoriduttori CC combinati
DC Double reduction gearmotors

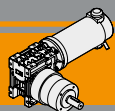




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Caratteristiche tecniche

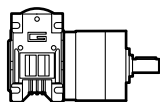
Technical features

L'accoppiamento di un riduttore a vite senza fine con un riduttore epicicloidale consente di ottenere elevati rapporti di riduzione ($i_{max} = 1/18452$) e di disporre di un gruppo autolubrificato compatto, silenzioso e con un'elevata affidabilità.

The coupling of a wormgearbox to a planetary gearbox allows to obtain high reduction ratios ($i_{max} = 1/18452$) and to get a compact, silent, self lubricated with high reliability group.

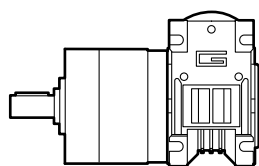
Designazione

Classification

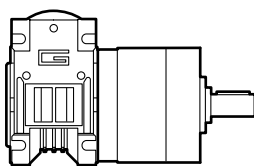
MOTORIDUTTORE / GEARMOTOR											
ECWMP	070/026/52					2	CD	90	405	240	BR
Tipo Type	Grandezza Size					Numero stadi epicicloidale Planetary stages number	Versione Riduttore Gearbox Version	Flangia Uscita Output flange	Rapporto Ratio	Versione Motore Motor Version	Opzioni Options
	070/026/52	100/026/52	180/026/62	250/030/81	350/030/81	1	US	80	Vedere tabella See tables	120	BR BRL
	070/026/62	100/026/62	180/030/81			2	UD	90		240	
	070/030/81	100/030/81				3	CS	105		24E	
							CD	120			

Versioni

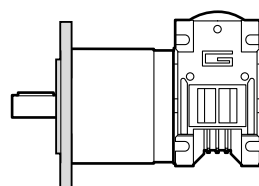
Versions



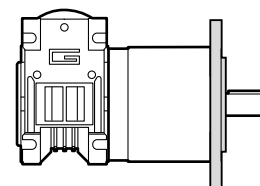
US



UD



CS



CD

Simbologia

Symbols

n_1	[min ⁻¹]	Velocità in ingresso / <i>Input speed</i>
n_2	[min ⁻¹]	Velocità in uscita / <i>Output speed</i>
i		Rapporto di riduzione / <i>Ratio</i>
P_1	[kW]	Potenza in entrata / <i>Input power</i>
M_n	[Nm]	Coppia nominale in uscita del riduttore / <i>Maximum output torque of the gearbox</i>
M_2	[Nm]	Coppia in uscita in funzione di P_1 / <i>Output torque referred to P_1</i>
sf		Fattore di servizio / <i>Service factor</i>
R_d	%	Rendimento dinamico / <i>Dynamic efficiency</i>
A_2	[N]	Carico assiale ammissibile in uscita / <i>Permitted output axial load</i>
R_2	[N]	Carico radiale ammissibile in uscita / <i>Permitted output radial load</i>

Lubrificazione

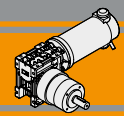
Lubrication

I riduttori a vite senza fine della serie CM sono lubrificati a vita con olio sintetico di viscosità 320 e possono essere installati in qualunque posizione di montaggio.

Permanent synthetic oil long-life lubrication allow to use CM wormgearbox range in all mounting position.

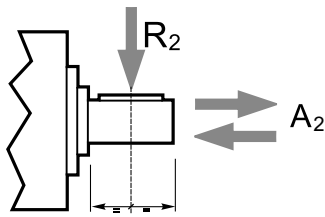
I riduttori epicicloidali sono lubrificati in modo permanente, non richiedono quindi ulteriore manutenzione. Questo gli consente di essere installati praticamente ovunque.

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	P81
1	200	240	400
2	320	360	600
3	450	520	1000

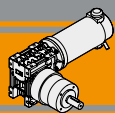
Numero di stadi Stages number	Carichi Assiali A_2 [N] Axial Load A_2 [N]		
	P52	P62	P81
1	60	70	80
2	100	100	120
3	150	150	200

Rapporti

Ratios

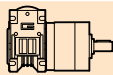
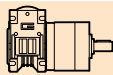
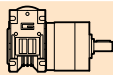
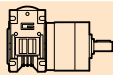
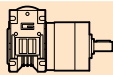
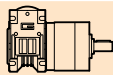
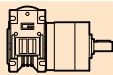
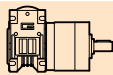
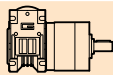
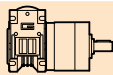
Motoriduttore Gearmotor	Numero stadi epicicloidale Planetary stages number	Rapporto epicicloidale Planetary ratio	Rapporto vite senza fine Wormgearbox ratio	Rapporto finale Total ratio
.../026/052 .../026/062 .../030/081	1	6.75	10	67.5
			15	101.3
			20	135
			30	202.5
			40	270
			50	337.5
	2	28.93	10	289.3
			15	434.0
			20	578.6
			30	867.9
			40	1157
			50	1447
		34.97	60	2098
		45.56	60	2734

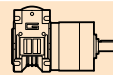
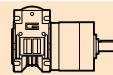
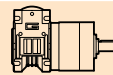
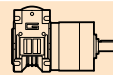
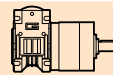
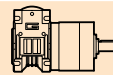
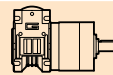
ECWMP

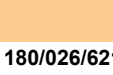
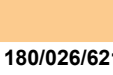
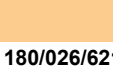
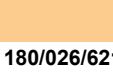
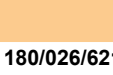




Dati tecnici per servizio S2



Technical data for S2 duty

P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version			
100									
(3000 min ⁻¹)	44.4	14	1.8	67.5		070/026/521	120/240		
	29.6	21	1.2	101.3					
	22.2	25	1.0	135.0					
	14.8	25	1.0	202.5					
	11.1	25	1.0	270.0					
	10.4	25	1.0	289.3					
	8.9	25	1.0	337.5		070/026/521	120/240		
	7.4	25	1.0	405					
	6.9	25	1.0	434		070/026/522	120/240		
	5.2	25	1.0	579					
	3.5	25	1.0	868					
	2.6	25	1.0	1157					
	2.1	25	1.0	1447					
	1.7	25	1.0	1736					
	1.4	25	1.0	2098					
	1.1	25	1.0	2734					
44.4	14	2.8	67.5					070/026/621	120/240
29.6	21	1.9	101.3						
22.2	27	1.5	135.0						
14.8	37	1.1	202.5						
11.1	40	1.0	270.0						
10.4	50	1.0	289.3						
8.9	40	1.0	337.5		070/026/621	120/240			
7.4	40	1.0	405.0						
6.9	50	1.0	434.0		070/026/622	120/240			
5.2	50	1.0	578.6						
3.5	50	1.0	867.9						
2.6	50	1.0	1157						
2.1	50	1.0	1447						
1.7	50	1.0	1736						
1.4	50	1.0	2098						
1.1	50	1.0	2734						
44.4	14	5.6	67.5					070/030/811	120/240
29.6	21	3.8	101.3						
22.2	27	2.9	135.0						
14.8	37	2.2	202.5						
11.1	47	1.7	270.0						
10.4	58	2.1	289.3						
8.9	54	1.5	337.5		070/030/811	120/240			
7.4	62	1.3	405.0						
6.9	85	1.4	434.0		070/030/812	120/240			
5.2	109	1.1	578.6						
3.5	120	1.0	867.9						
2.6	120	1.0	1157						
2.1	120	1.0	1447						
1.7	120	1.0	1736						
1.4	120	1.0	2098						
1.1	120	1.0	2734						

P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version				
140										
(3000 min ⁻¹)	44.4	20	1.3	67.5		100/026/521	120/240/24E			
	29.6	25	1.0	101.3						
	22.2	25	1.0	135.0						
	14.8	25	1.0	202.5						
	11.1	25	1.0	270.0						
	10.4	25	1.0	289.3						
	8.9	25	1.0	337.5		100/026/621	120/240/24E			
	7.4	25	1.0	405.0						
	6.9	25	1.0	434.0		100/030/811	120/240/24E			
	5.2	25	1.0	578.6						
	44.4	20	2.0	67.5					100/030/812	120/240/24E
	29.6	29	1.4	101.3						
	22.2	37	1.1	135.0						
	14.8	40	1.0	202.5						
	11.1	65	1.2	270.0						
	10.4	80	1.5	289.3						
8.9	75	1.1	337.5					100/030/811	120/240/24E	
7.4	80	1.0	405.0							
6.9	120	1.0	434.0		100/030/812	120/240/24E				
5.2	120	1.0	578.6							

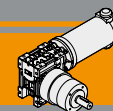
P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version				
250										
(3000 min ⁻¹)	44.4	37	1.1	67.5		180/026/621	120/240			
	29.6	40	1.0	101.3						
	22.2	40	1.0	135.0						
	14.8	37	2.2	67.5					180/030/811	120/240/24E
	11.1	40	1.0	101.3						
	10.4	40	1.0	135.0						
	8.9	54	1.5	101.3						
	7.4	70	1.1	135.0						
	6.9	80	1.0	202.5		180/030/812	120/240/24E			
	5.2	80	1.0	270.0						
	44.4	37	2.2	67.5		180/030/811	120/240/24E			
	29.6	54	1.5	101.3						
	22.2	70	1.1	135.0						
	14.8	80	1.0	202.5						
	11.1	80	1.0	270.0						
	10.4	120	1.0	289.3						
8.9	80	1.0	337.5							

P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version	
350							
(3000 min ⁻¹)	44.4	52	1.5	67.5		250/030/811	120/240
	29.6	76	1.1	101.3			
	22.2	80	1.0	135.0			
	14.8	80	1.0	202.5			
	11.1	80	1.0	270.0			

P ₁ [W]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		Versione motore Motor version	
500							
(3000 min ⁻¹)	44.4	73	1.1	67.5		350/030/811	120/240
	29.6	80	1.0	101.3			
	22.2	80	1.0	135.0			

Nota: Verificare sempre che la coppia M₂ utilizzata non ecceda il valore indicato nelle caselle in grigio

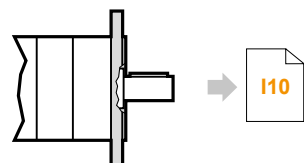
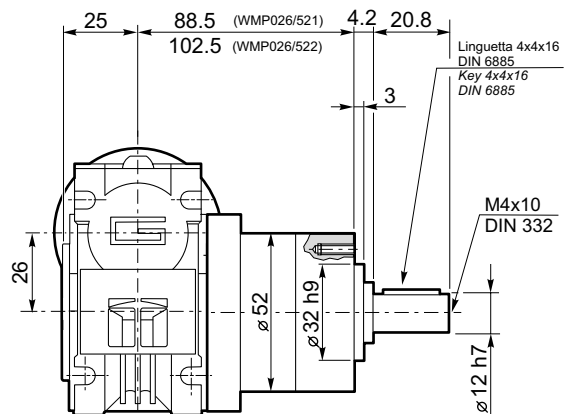
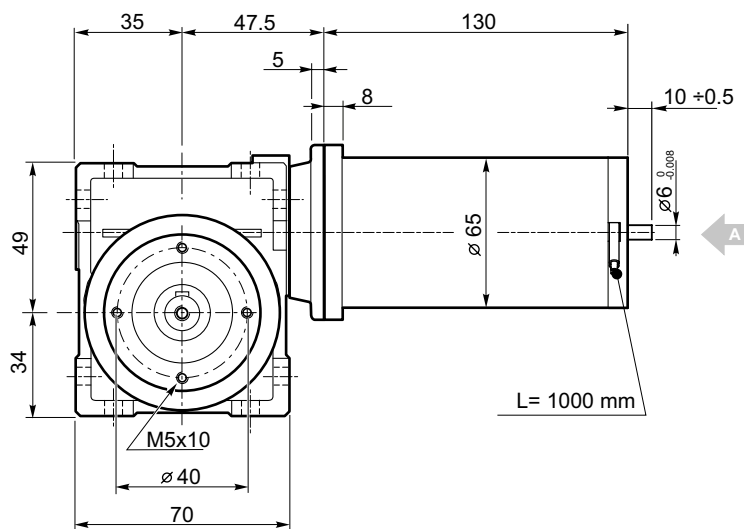
Note: Please check that the output torque M₂ does not exceed the value into the grey areas



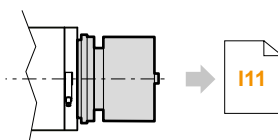
Dimensioni

Dimensions

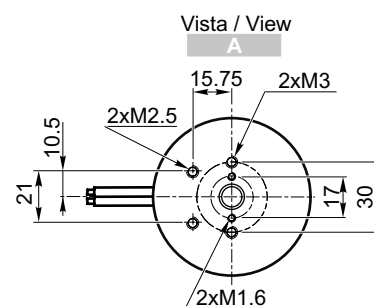
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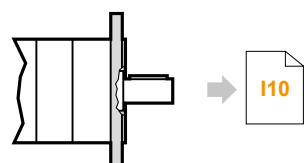
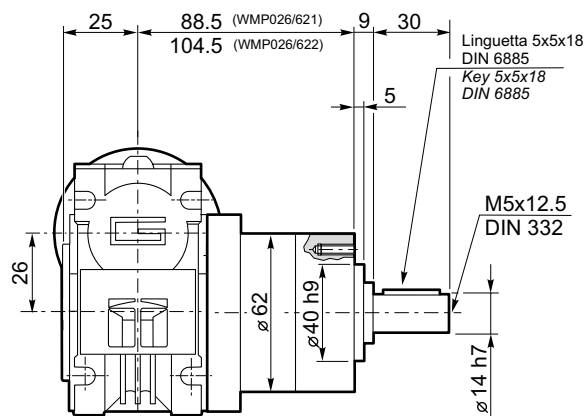
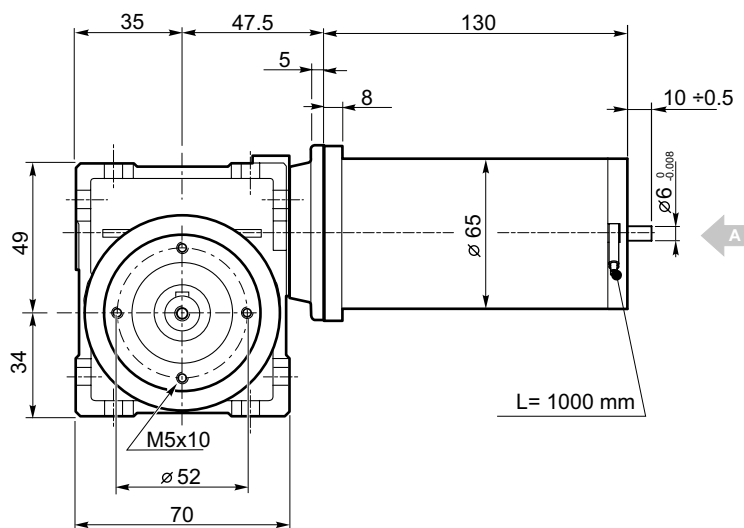
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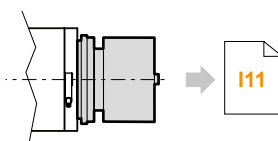
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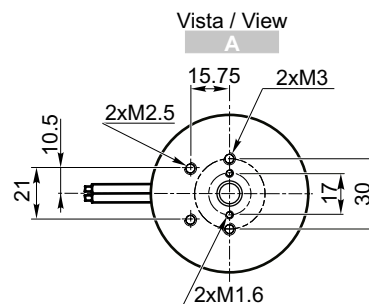
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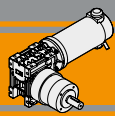
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ECP070/026/62...U BR
ECP070/026/62...U BRL



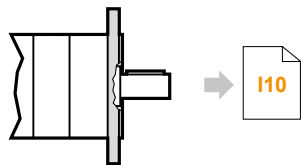
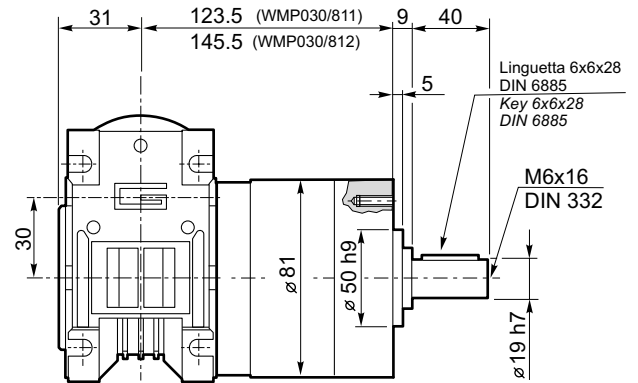
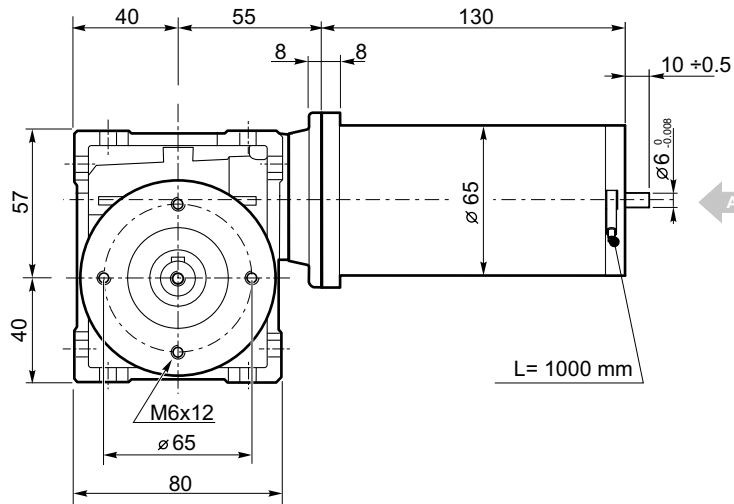
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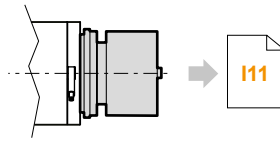
Dimensioni

Dimensions

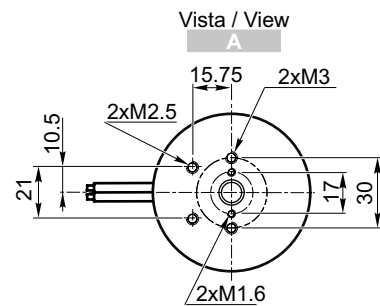
ECWMP070/030/81...U



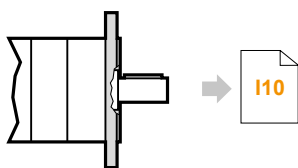
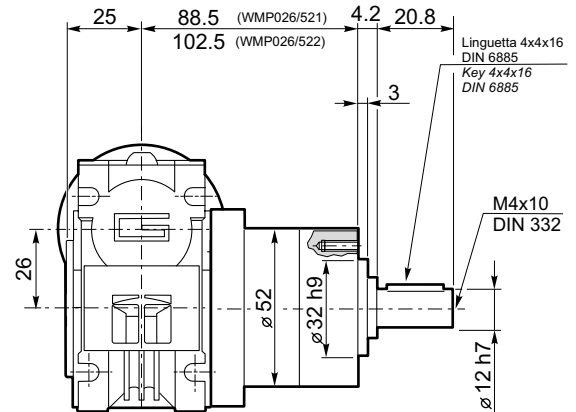
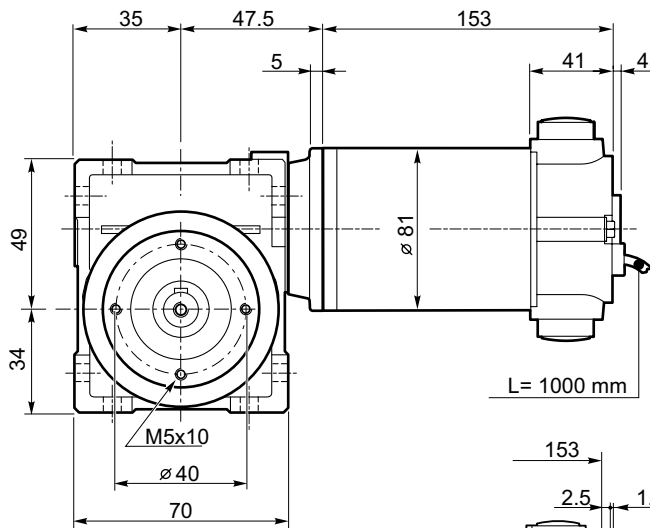
ECWMP070/030/81...C



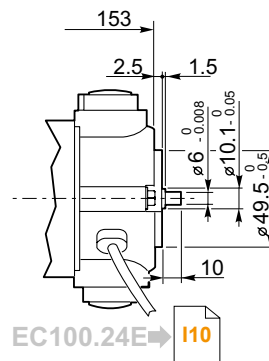
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ECP070/030/81...U BRL



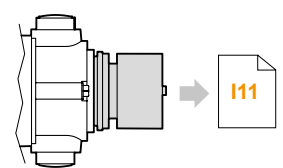
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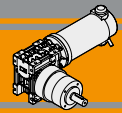
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EC100.24E



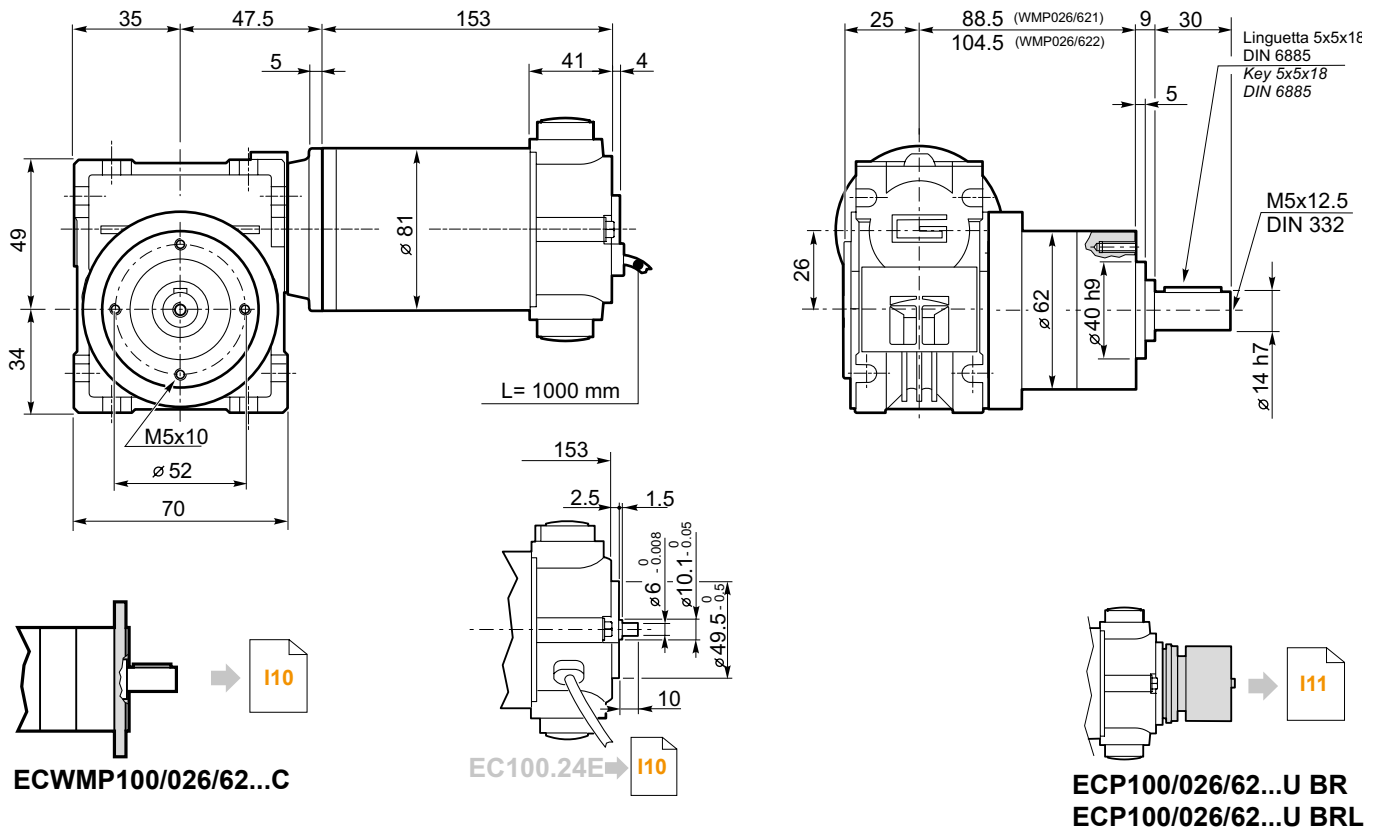
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ECP100/026/52...U BRL



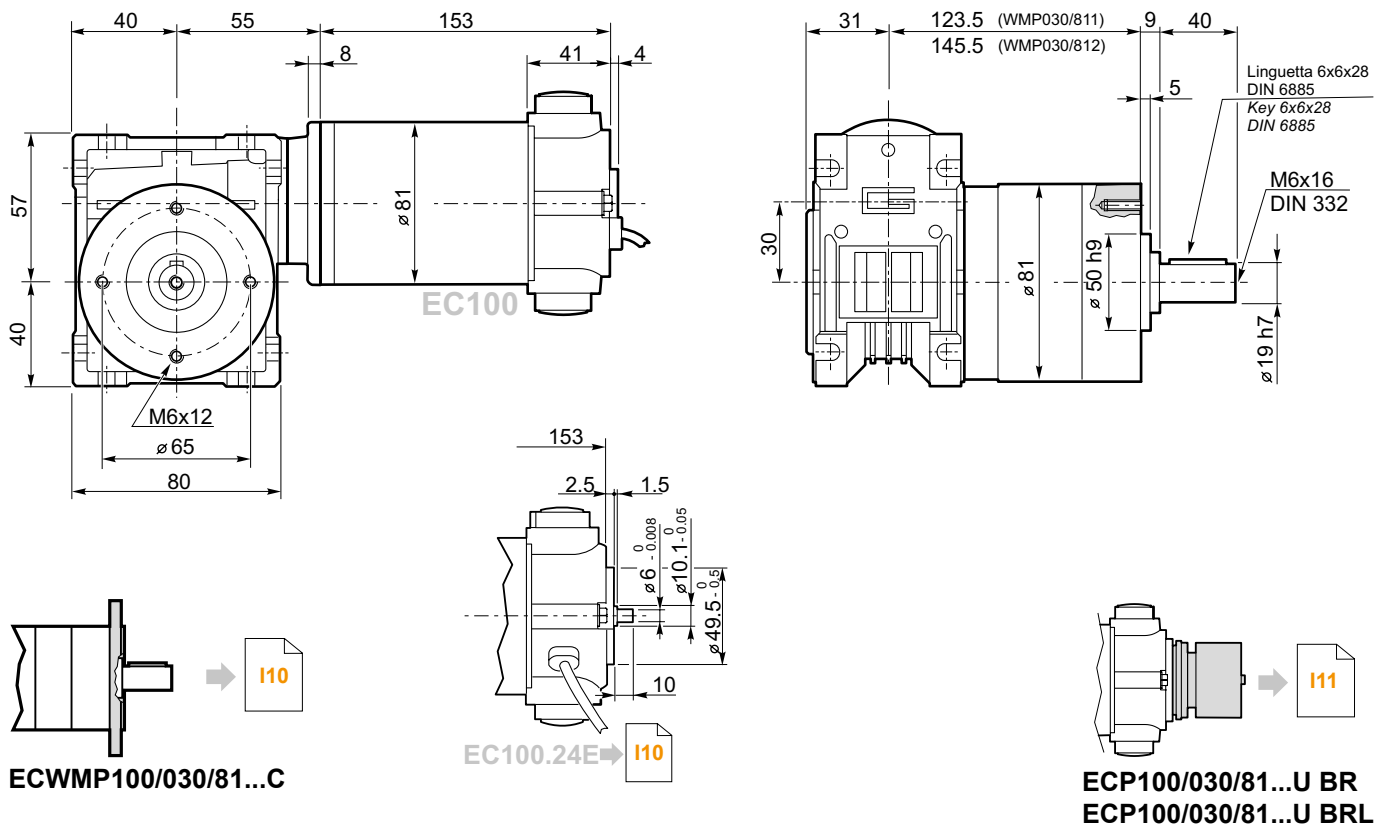
Dimensioni

Dimensions

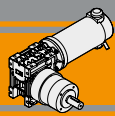
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ECWMP100/030/81...U



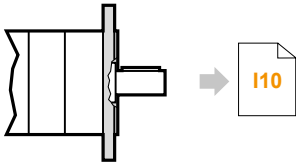
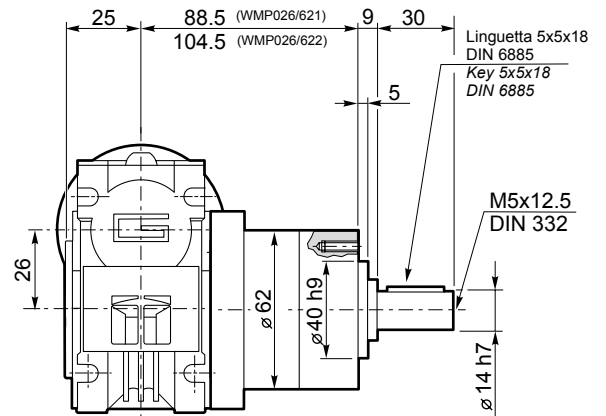
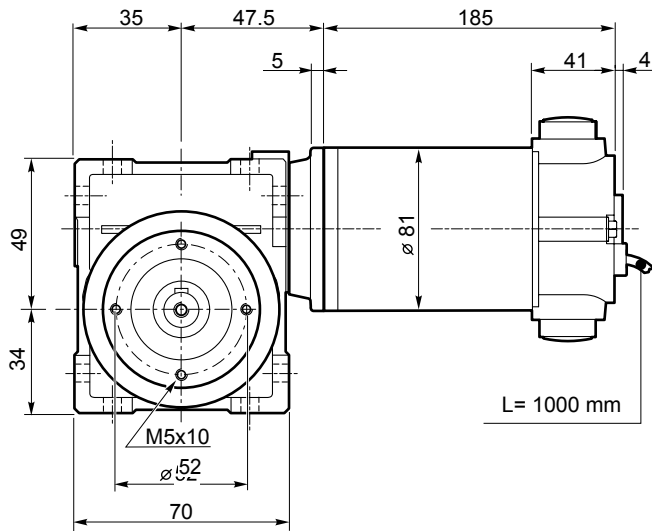
ECWMP



Dimensioni

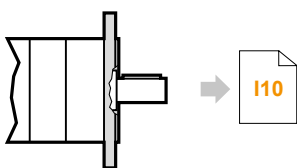
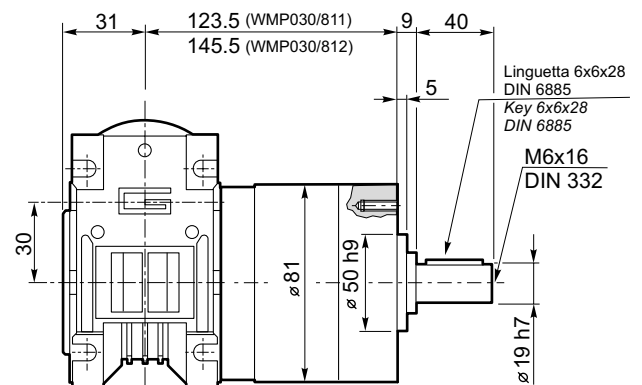
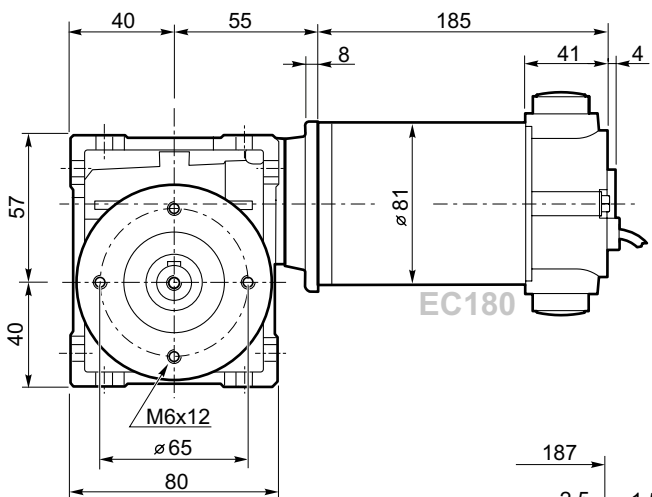
Dimensions

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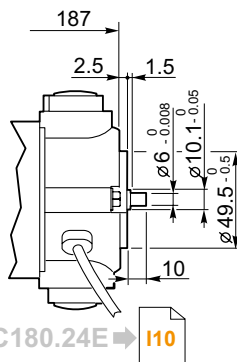


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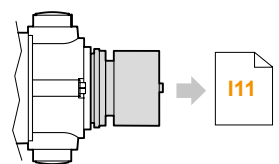
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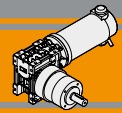
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EC180.24E → I10



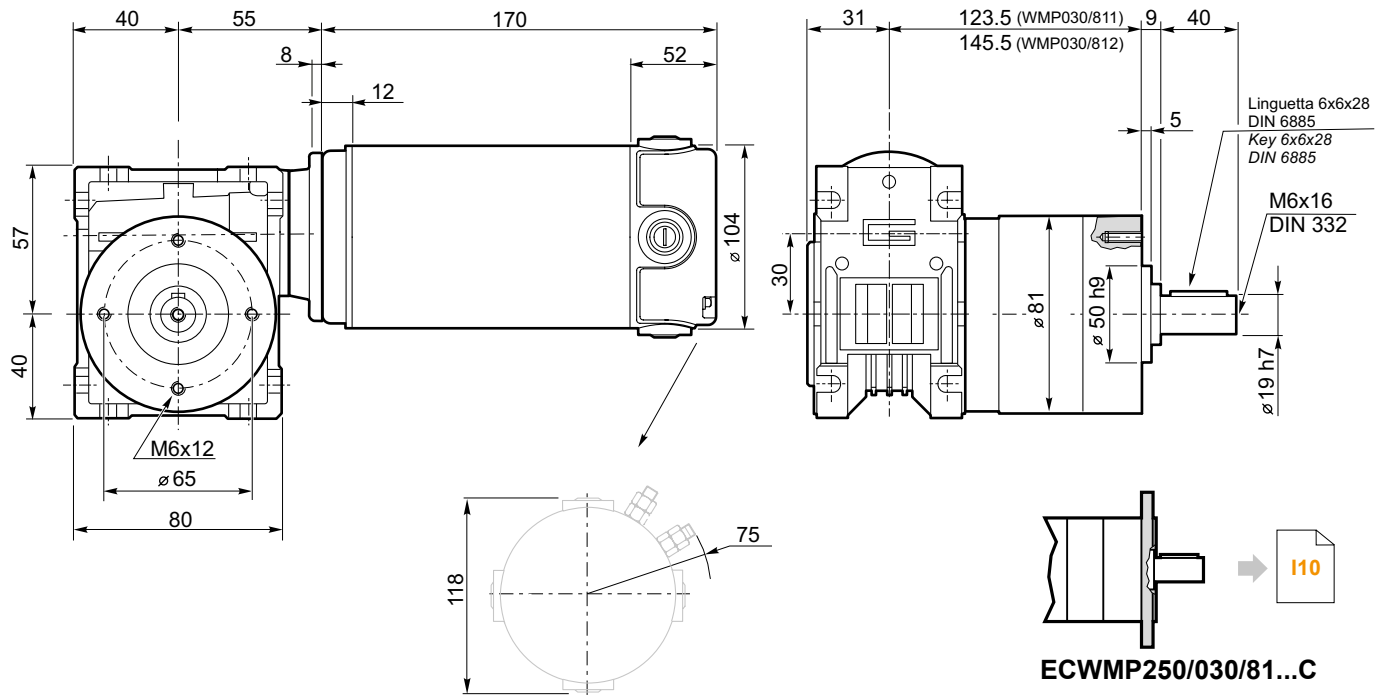
ECP180/030/81... U.. BR
ECP180/030/81... U.. BRL



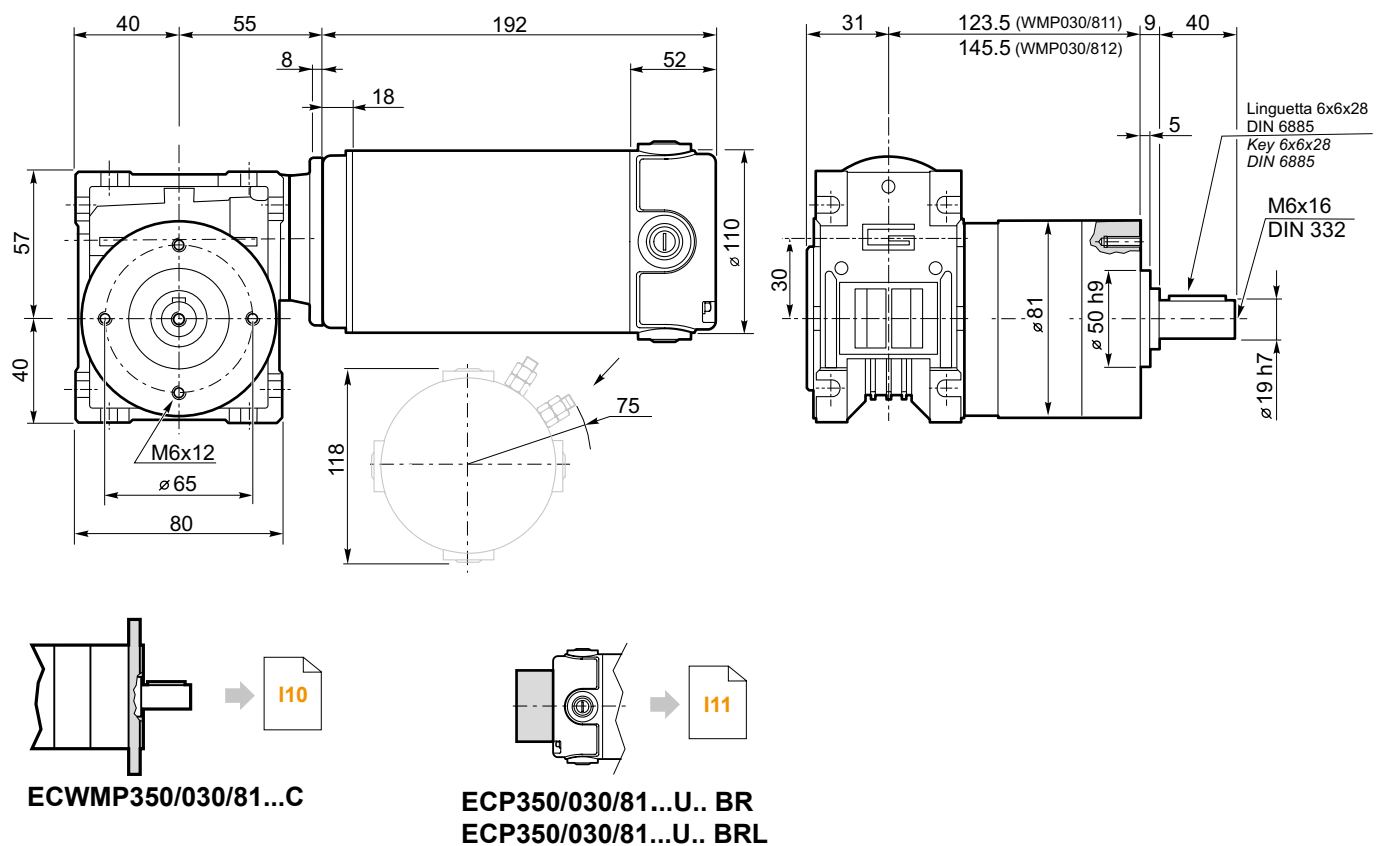
Dimensioni

Dimensions

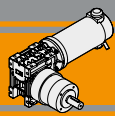
ECWMP250/030/81...U



ECWMP350/030/81...U



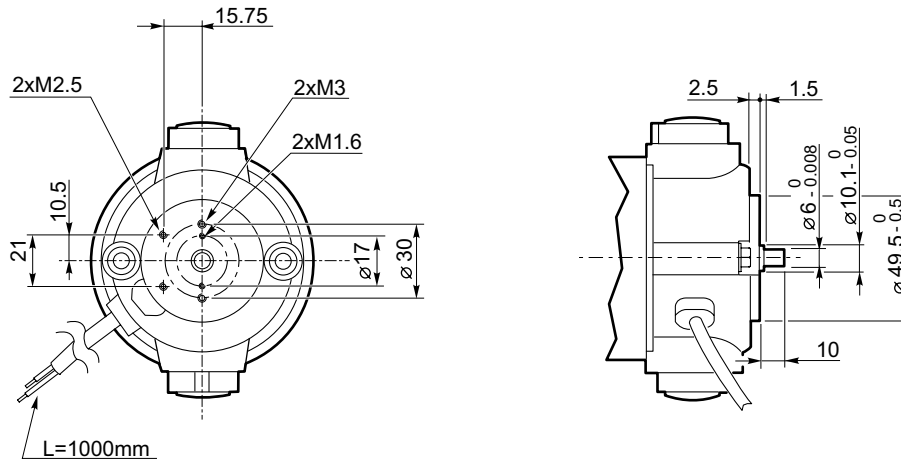
ECWMP



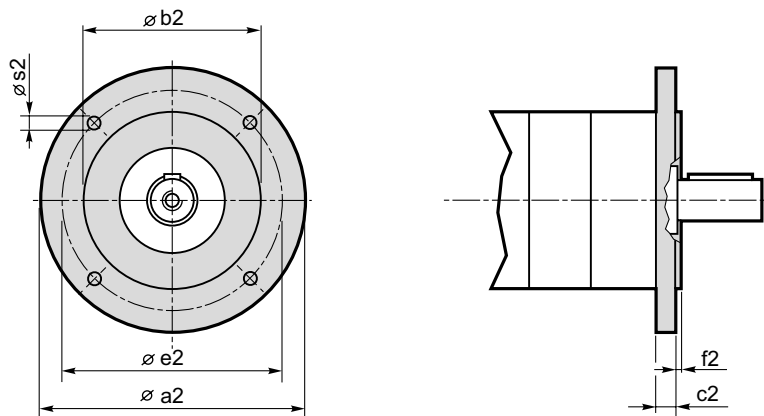
Dimensioni

Dimensions

ECP100.24E ECP180.24E

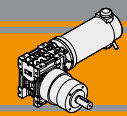


ECWMP.../.../... C... Flange uscita / Output flanges



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
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



Dimensioni

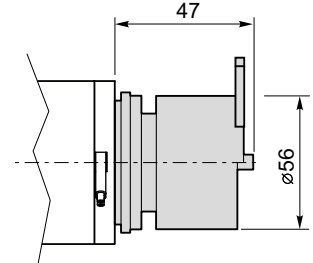
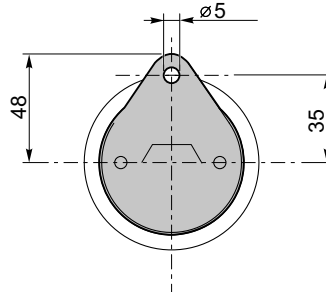
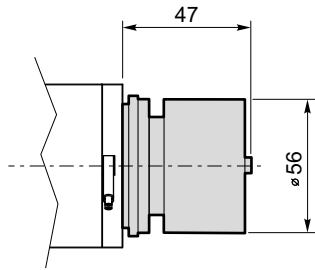
Dimensions

Freno / Brake

Freno con leva di sblocco / Brake with hand release

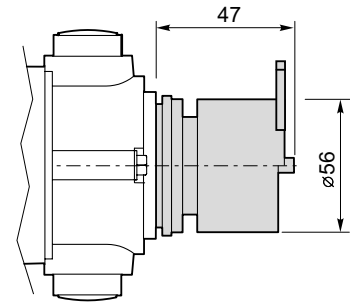
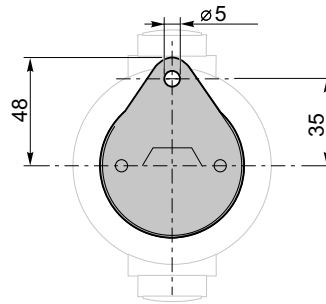
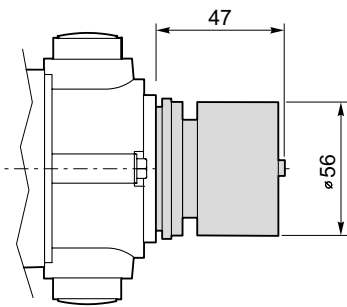
ECWMP50/... U BR
ECWMP70/... U BR

ECWMP50/... U BRL
ECWMP70/... U BRL



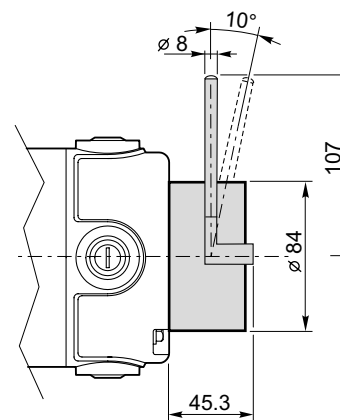
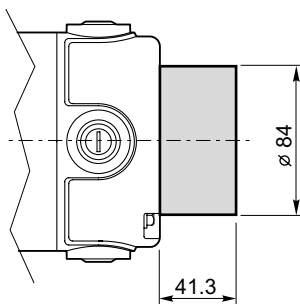
ECWMP100/... U BR
ECWMP180/... U BR

ECWMP100/... U BRL
ECWMP180/... U BRL



ECWMP350/... U BR
ECWMP600/... U BR

ECWMP350/... U BRL
ECWMP600/... U BRL



ECWMP



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