ECMM

ECMM

ECMM Alü

Ferrite

Комбинированные червячные мотор-редукторы

Руководство по эксплуатации

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Астана (7172)727-132
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Брянск (4832)59-03-52
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Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
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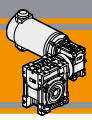

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Caratteristiche tecniche — *Technical features*

Le caratteristiche principali dei motoriduttori CC a vite senza fine combinati a magneti permanenti in ferrite serie ECMM sono:

- Alimentazione in bassa tensione 12/24Vcc
- Possibilità di montaggio encoder
- Potenze motore disponibili da 100 a 800W S2
- Magneti in ferrite
- Carcassa in pressofusione di alluminio nelle grandezze 026, 030, 040, 050, 063, 075, 090 e 110. La grandezza 130 è costruita con carcassa in ghisa
- Lubrificazione permanente con olio sintetico

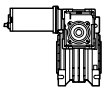
The main features of ECMM ferrite permanent magnets DC reduction wormgearmotors range are:

- Low voltage power supply 12/24Vdc
- Suitable for encoder assembly
- Motor power ratings available from 100 up to 800W S2
- Ferrite magnets
- Die cast aluminium housing on sizes 026, 030, 040, 050, 063, 075, 090 and 110. Cast iron housing on size 130
- Permanent synthetic oil long life lubrication

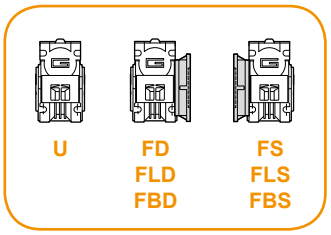
Designazione — *Classification*

MOTORIDUTTORE / *GEARMOTOR*

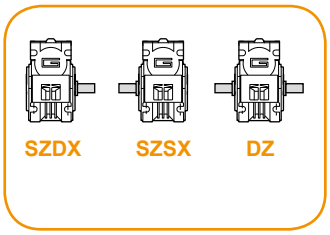
ECMM	100/026/026	U	150	SZDX	BRSX	90	B3	UB1	120	VS1
Tipo *Type*	Grandezza *Size*	Versione *Version*	Rapporto *Ratio*	Albero di uscita *Output shaft*	Braccio di reazione *Torque arm*	Angolo *Angle*	Pos. di montaggio Mounting position	*Esecuzione di montaggio Mounting execution*	Versione motore *Motor version*	Opzioni *Options*
ECMM	070/026/026 070/026/030 070/026/040 070/026/050 070/030/040 070/030/050 070/030/063 070/040/070 070/040/075 070/040/090 100/026/026 100/026/030 100/026/040 100/026/050 100/030/040 100/030/050 100/030/063 100/040/075 100/040/090 180/026/040 180/026/050 180/030/040 180/030/050 180/030/063 180/040/070 180/040/075 180/040/090 180/050/110 250/030/040 250/030/050 250/030/063 250/040/070 250/040/075 250/040/090 250/050/110 350/030/040 350/030/050 350/030/063 350/040/070 350/040/075 350/040/090 350/050/110 350/063/130 600/040/070 600/040/075 600/040/090 600/050/110 600/063/130	U FD FS FLD FLS FBD FBS	vedi tabelle *see tables*	SZDX SZSX DZ	BRDX BRSX	0° 90° 180° 270°	B3 B8 B6 B7 V5 V6	UB1 UB2 US1 US2 UV1 UV2 UC1 UC2	120 240 24E	VS1 VS2



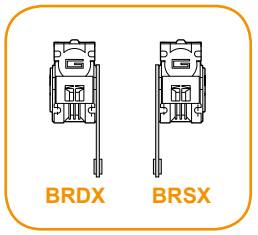
Versione Riduttore *Gearbox Version*



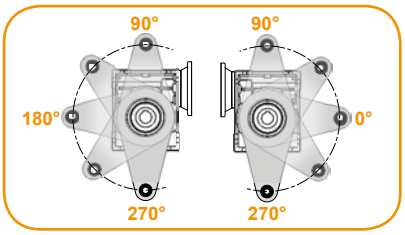
Albero di uscita *Output shaft*



Braccio di reazione *Torque arm*



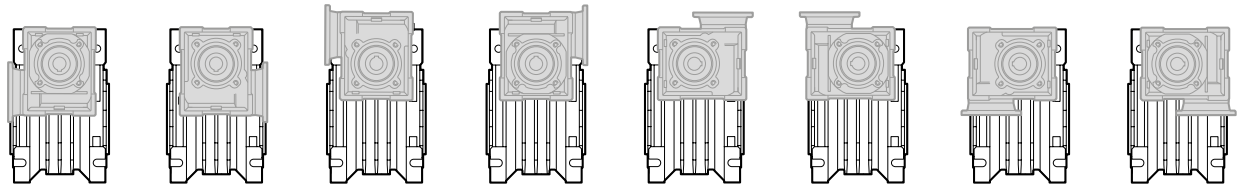
Angolo *Angle*



Simbologia — *Symbols*

n_1	[min^{-1}]	Velocità in ingresso / *Input speed*	M_2	[Nm]	Coppia in uscita in funzione di P_1 / *Output torque referred to* P_1
n_2	[min^{-1}]	Velocità in uscita / *Output speed*	sf		Fattore di servizio / *Service factor*
i		Rapporto di riduzione / *Ratio*	R_2	[N]	Carico radiale ammissibile in uscita / *Permitted output radial load*
P_1	[kW]	Potenza in entrata / *Input power*	A_2	N]	Carico assiale ammissibile in uscita / *Permitted output axial load*

Esecuzioni di montaggio — *Mounting executions*



UB1 UB2 US1 US2 UV1 UV2 UC1 UC2

Combinazioni rapporti — *Combination ratio*

	CMM 026/026 - CMM 026/030 - CMM 026/040 - CMM 026/050											
	i (i_1 x i_2)											
	150	**225**	**300**	**450**	**600**	**900**	**1200**	**1500**	**1800**	**2400**	**3000**	**3600**
i_1	10	15	10	15	20	30	40	50	60	60	60	60
i_2	15	15	30	30	30	30	30	30	30	40	50	60

	CMM 030/040 - CMM 030/050 - CMM 030/063 - CMM 040/070 - CMM 040/075 - CMM 040/090 - CMM 050/110 - CMM 063/130															
	i (i_1 x i_2)															
	75	**100**	**150**	**200**	**250**	**300**	**400**	**500**	**600**	**750**	**900**	**1200**	**1500**	**1800**	**2400**	**3000**
i_1	7.5	10	10	10	10	10	10	10	20	25	30	40	50	60	60	60
i_2	10	10	15	20	25	30	40	50	30	30	30	30	30	30	40	50

Lubrificazione — *Lubrication*

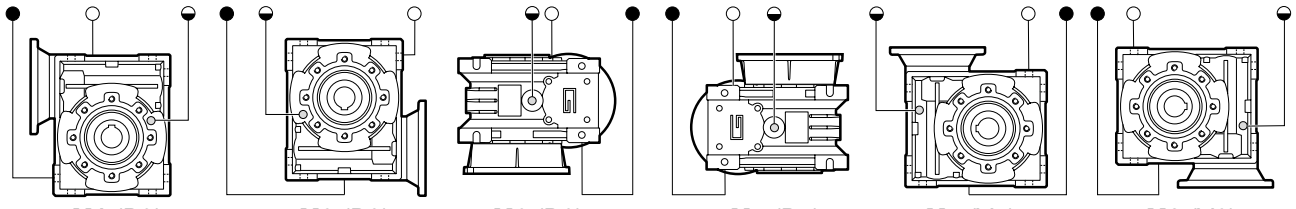
Tutti i motoriduttori nelle taglie 26, 30, 40, 50, 63, 70, 75, 90, 110 sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di monatggio e non necessitano di manutenzione. Per la taglia 130 la lubrificazione dipende dalla posizione di montaggio

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors size 26, 30, 40, 50, 63, 70, 75, 90, 110 in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance. Only for size 130, the lubrication depended of mounting positions

	Quantità di olio (litri) / ***Oil quantity*** *(litres)*					
	M1 (B3)	**M3** (B8)	**M6** (B6)	**M5** (B7)	**M4** (V5)	**M2** (V6)
CM130	4.5	3.3	3.5	3.5	4.5	3.3

Lubrificato a vita
Life lubrication

Posizioni di montaggio / *Mounting positions*



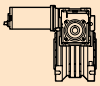
M1 (B3) **M3** (B8) **M6** (B6) **M5** (B7) **M4** (V5) **M2** (V6)

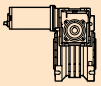
(standard)

◯ Sfiato e tappo di riempimento / *Breather and filling plug*
◒ Livello olio / *Oil level plug*
● Tappo di scarico / *Oil drain plug*

Dati tecnici per servizio S2

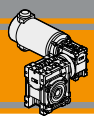
Technical data for S2 duty

P_1 [W]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		Versione motore *Motor version*
100						
(3000 min^{-1})	**20.0**	26	1.0	150	**ECMM 070/026/026**	**12E/24E**
	13.3	26	1.0	225		
	10.0	27	1.0	300		
	6.7	27	1.0	450		
	5.0	27	1.0	600		
	3.3	27	1.0	900		
	2.5	27	1.0	1200		
	2.0	27	1.0	1500		
	1.7	27	1.0	1800		
	1.3	22	1.0	2400		
	1.0	20	1.0	3000		
	0.8	18	1.0	3600		
	20.0	26	1.5	150	**ECMM 070/026/030**	**12E/24E**
	13.3	39	1.0	225		
	10.0	40	1.0	300		
	6.7	40	1.0	450		
	5.0	40	1.0	600		
	3.3	40	1.0	900		
	2.5	40	1.0	1200		
	2.0	40	1.0	1500		
	1.7	40	1.0	1800		
	1.3	34	1.0	2400		
	1.0	30	1.0	3000		
	0.8	27	1.0	3600		
	20.0	27	3.2	150	**ECMM 070/026/040**	**12E/24E**
	13.3	40	2.2	225		
	10.0	45	2.0	300		
	6.7	66	1.4	450		
	5.0	85	1.1	600		
	3.3	90	1.0	900		
	2.5	90	1.0	1200		
	2.0	90	1.0	1500		
	1.7	90	1.0	1800		
	1.3	74	1.0	2400		
	1.0	68	1.0	3000		
	0.8	62	1.0	3600		
	20.0	28	5.7	150	**ECMM 070/026/050**	**12E/24E**
	13.3	42	3.9	225		
	10.0	46	3.5	300		
	6.7	67	2.4	450		
	5.0	86	1.9	600		
	3.3	118	1.4	900		
	2.5	147	1.1	1200		
	2.0	162	1.0	1500		
	1.7	162	1.0	1800		
	1.3	135	1.0	2400		
	1.0	125	1.0	3000		
	0.8	113	1.0	3600		

P_1 [W]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		Versione motore *Motor version*
100						
(3000 min^{-1})	**40.0**	15	5.5	75	**ECMM 070/030/040**	**12E/24E**
	30.0	20	4.2	100		
	20.0	28	3.2	150		
	15.0	36	2.1	200		
	12.0	43	1.6	250		
	10.0	46	2.0	300		
	7.5	55	1.3	400		
	6.0	63	1.1	500		
	5.0	86	1.0	600		
	4.0	103	0.9	750		
	3.3	118	0.8	900		
	2.5	74	1.0	1200		
	2.0	90	1.0	1500		
	1.7	90	1.0	1800		
	1.3	74	1.0	2400		
	1.0	68	1.0	3000		
	15.0	36	3.8	200	**ECMM 070/030/050**	**12E/24E**
	12.0	43	2.9	250		
	10.0	46	3.5	300		
	7.5	57	2.4	400		
	6.0	64	2.0	500		
	5.0	87	1.9	600		
	4.0	105	1.5	750		
	3.3	120	1.4	900		
	2.5	146	0.9	1200		
	2.0	175	0.9	1500		
	1.7	201	0.8	1800		
	1.3	135	1.0	2400		
	1.0	125	1.0	3000		
	4.0	109	2.8	750	**ECMM 070/030/063**	**12E/24E**
	3.3	124	2.5	900		
	2.5	149	1.7	1200		
	2.0	181	1.7	1500		
	1.7	208	1.5	1800		
	1.3	249	1.0	2400		
	1.0	288	0.8	3000		
	2.5	155	2.5	1200	**ECMM 070/040/070**	**12E/24E**
	2.0	193	2.4	1500		
	1.7	221	2.1	1800		
	1.3	265	1.4	2400		
	1.0	307	1.1	3000		
	2.5	158	3.0	1200	**ECMM 070/040/075**	**12E/24E**
	2.0	193	2.8	1500		
	1.7	221	2.5	1800		
	1.3	270	1.7	2400		
	1.0	307	1.3	3000		
	1.3	285	2.9	2400	**ECMM 070/040/090**	**12E/24E**
	1.0	331	2.1	3000		

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*



Dati tecnici per servizio S2

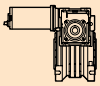
Technical data for S2 duty

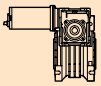
P_1 [W]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		Versione motore *Motor version*
140						
(3000 min^{-1})	**20.0**	26	1.0	150	**ECMM 100/026/026**	**120/240/24E**
	13.3	26	1.0	225		
	10.0	27	1.0	300		
	6.7	27	1.0	450		
	5.0	27	1.0	600		
	3.3	27	1.0	900		
	2.5	27	1.0	1200		
	2.0	27	1.0	1500		
	1.7	27	1.0	1800		
	1.3	22	1.0	2400		
	1.0	20	1.0	3000		
	0.8	18	1.0	3600		
	20.0	37	1.1	150	**ECMM 100/026/030**	**120/240/24E**
	13.3	39	1.0	225		
	10.0	40	1.0	300		
	6.7	40	1.0	450		
	5.0	40	1.0	600		
	3.3	40	1.0	900		
	2.5	40	1.0	1200		
	2.0	40	1.0	1500		
	1.7	40	1.0	1800		
	1.3	34	1.0	2400		
	1.0	30	1.0	3000		
	0.8	27	1.0	3600		
	20.0	38	2.3	150	**ECMM 100/026/040**	**120/240/24E**
	13.3	55	1.6	225		
	10.0	63	1.4	300		
	6.7	92	1.0	450		
	5.0	90	1.0	600		
	3.3	90	1.0	900		
	2.5	90	1.0	1200		
	2.0	90	1.0	1500		
	1.7	90	1.0	1800		
	1.3	74	1.0	2400		
	1.0	68	1.0	3000		
	0.8	62	1.0	3600		
	20.0	39	4.1	150	**ECMM 100/026/050**	**120/240/24E**
	13.3	58	2.8	225		
	10.0	64	2.5	300		
	6.7	93	1.7	450		
	5.0	120	1.4	600		
	3.3	164	1.0	900		
	2.5	162	1.0	1200		
	2.0	162	1.0	1500		
	1.7	162	1.0	1800		
	1.3	135	1.0	2400		
	1.0	125	1.0	3000		
	0.8	113	1.0	3600		

P_1 [W]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		Versione motore *Motor version*
140						
(3000 min^{-1})	**40.0**	21	3.9	75	**ECMM 100/030/040**	**120/240/24E**
	30.0	28	3.0	100		
	20.0	38	2.3	150		
	15.0	50	1.5	200		
	12.0	59	1.1	250		
	10.0	63	1.4	300		
	7.5	77	1.0	400		
	6.0	87	0.8	500		
	5.0	119	0.8	600		
	4.0	90	1.0	750		
	3.3	90	1.0	900		
	2.5	74	1.0	1200		
	2.0	90	1.0	1500		
	1.7	90	1.0	1800		
	1.3	74	1.0	2400		
	1.0	68	1.0	3000		
	15.0	50	2.7	200	**ECMM 100/030/050**	**120/240/24E**
	12.0	59	2.1	250		
	10.0	64	2.5	300		
	7.5	78	1.7	400		
	6.0	89	1.4	500		
	5.0	121	1.3	600		
	4.0	146	1.1	750		
	3.3	166	1.0	900		
	2.5	202	0.7	1200		
	2.0	243	0.7	1500		
	1.7	162	1.0	1800		
	1.3	135	1.0	2400		
	1.0	125	1.0	3000		
	6.0	92	2.5	500	**ECMM 100/030/063**	**120/240/24E**
	5.0	125	2.5	600		
	4.0	151	2.1	750		
	3.3	172	1.8	900		
	2.5	206	1.3	1200		
	2.0	252	1.2	1500		
	1.7	288	1.1	1800		
	1.3	346	0.8	2400		
	1.0	232	1.0	3000		
	3.3	179	2.5	900	**ECMM 100/040/070**	**120/240/24E**
	2.5	215	1.8	1200		
	2.0	267	1.7	1500		
	1.7	307	1.5	1800		
	1.3	368	1.0	2400		
	1.0	426	0.8	3000		
	3.3	179	3.1	900	**ECMM 100/040/075**	**120/240/24E**
	2.5	219	2.2	1200		
	2.0	267	2.0	1500		
	1.7	307	1.8	1800		
	1.3	375	1.3	2400		
	1.0	426	0.9	3000		
	1.7	322	2.9	1800	**ECMM 100/040/090**	**120/240/24E**
	1.3	395	2.1	2400		
	1.0	460	1.5	3000		

Dati tecnici per servizio S2

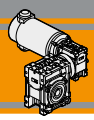
Technical data for S2 duty

P_1 [W]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		Versione motore *Motor version*
250						
(3000 min^{-1})	**20.0**	70	1.2	150	**ECMM 180/026/040**	**120/240**
	13.3	103	0.8	225		
	10.0	116	0.8	300		
	20.0	73	2.2	150	**ECMM 180/026/050**	**120/240**
	13.3	108	1.5	225		
	10.0	118	1.4	300		
	6.7	173	0.9	450		
	5.0	223	0.7	600		
	40.0	40	2.1	75	**ECMM 180/030/040**	**120/240/24E**
	30.0	52	1.6	100		
	20.0	71	1.2	150		
	15.0	92	0.8	200		
	12.0	67	1.0	250		
	10.0	90	1.0	300		
	7.5	74	1.0	400		
	6.0	68	1.0	500		
	5.0	90	1.0	600		
	4.0	90	1.0	750		
	3.3	90	1.0	900		
	40.0	40	3.9	75	**ECMM 180/030/050**	**120/240/24E**
	30.0	52	3.0	100		
	20.0	74	2.2	150		
	15.0	94	1.5	200		
	12.0	110	1.1	250		
	10.0	120	1.4	300		
	7.5	146	0.9	400		
	6.0	165	0.8	500		
	5.0	226	0.7	600		
	4.0	162	1.0	750		
	3.3	162	1.0	900		
	2.5	135	1.0	1200		
	2.0	162	1.0	1500		
	1.7	162	1.0	1800		**120/240**
	15.0	92	2.8	200	**ECMM 180/030/063**	**120/240/24E**
	12.0	108	2.1	250		
	10.0	124	2.5	300		
	7.5	149	1.7	400		
	6.0	172	1.3	500		
	5.0	233	1.3	600		
	4.0	281	1.1	750		
	3.3	320	1.0	900		
	2.5	384	0.7	1200		
	2.0	468	0.7	1500		
	1.7	310	1.0	1800		**120/240**
	1.3	260	1.0	2400		
	1.0	232	1.0	3000		
	12.0	113	3.0	250	**ECMM 180/040/070**	**120/240/24E**
	10.0	125	3.6	300		
	7.5	150	2.5	400		
	6.0	174	1.9	500		
	5.0	239	1.9	600		
	4.0	288	1.6	750		
	3.3	333	1.4	900		
	2.5	399	0.9	1200		
	2.00	497	0.9	1500		
	1.67	570	0.8	1800		
	1.25	379	1.0	2400		
	1.00	336	1.0	3000		

P_1 [W]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		Versione motore *Motor version*
250						
(3000 min^{-1})	**12.0**	113	3.6	250	**ECMM 180/040/075**	**120/240/24E**
	10.0	125	4.4	300		
	7.5	153	3.1	400		
	6.0	174	2.3	500		
	5.0	239	2.3	600		
	4.0	288	1.9	750		
	3.3	333	1.6	900		
	2.5	407	1.2	1200		
	2.0	497	1.1	1500		
	1.7	570	1.0	1800		
	1.3	470	1.0	2400		
	1.0	403	1.0	3000		
	5.0	251	3.8	600	**ECMM 180/040/090**	**120/240/24E**
	4.0	302	3.1	750		
	3.3	349	2.7	900		
	2.5	429	1.9	1200		
	2.0	522	1.8	1500		
	1.7	599	1.6	1800		
	1.3	735	1.1	2400		
	1.0	855	0.8	3000		
	3.3	359	4.4	900	**ECMM 180/050/110**	**24E**
	2.5	457	3.2	1200		**120/240/24E**
	2.0	545	2.9	1500		
	1.7	627	2.5	1800		
	1.3	796	1.8	2400		
	1.0	947	1.3	3000		
350						
(3000 min^{-1})	40.0	55	1.5	75	**ECMM 250/030/040**	**120/240**
	30.0	72	1.2	100		
	20.0	100	0.9	150		
	15.0	74	1.0	200		
	12.0	67	1.0	250		
	10.0	90	1.0	300		
	7.5	74	1.0	400		
	6.0	68	1.0	500		
	5.0	90	1.0	600		
	4.0	90	1.0	750		
	3.3	90	1.0	900		
	2.5	74	1.0	1200		
	2.0	90	1.0	1500		
	40.0	56	2.8	75	**ECMM 250/030/050**	**120/240**
	30.0	73	2.1	100		
	20.0	104	1.5	150		
	15.0	131	1.0	200		
	12.0	154	0.8	250		
	10.0	168	1.0	300		
	7.5	204	*0.7*	400		
	6.0	125	*1.0*	500		
	5.0	162	*1.0*	600		
	4.0	162	*1.0*	750		
	3.3	162	*1.0*	900		
	2.5	135	*1.0*	1200		
	2.00	162	*1.0*	1500		

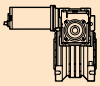
Nota: Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio

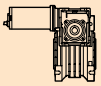
Note: *Please check that the output torque M2 does not exceed the value into the grey areas*



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*
350						
(3000 min^{-1})	30.0	74	3.9	100	**ECMM 250/030/063**	**120/240**
	20.0	103	3.0	150		
	15.0	129	2.0	200		
	12.0	152	1.5	250		
	10.0	173	1.8	300		
	7.5	208	1.2	400		
	6.0	241	1.0	500		
	5.0	327	0.9	600		
	4.0	393	0.8	750		
	3.3	448	0.7	900		
	2.5	260	1.0	1200		
	2.00	310	1.0	1500		
	15.0	133	2.9	200	**ECMM 250/040/070**	**120/240**
	12.0	158	2.2	250		
	10.0	175	2.6	300		
	7.5	210	1.8	400		
	6.0	244	1.4	500		
	5.0	335	1.4	600		
	4.0	403	1.1	750		
	3.3	466	1.0	900		
	2.5	379	1.0	1200		
	2.00	453	1.0	1500		
	1.67	453	1.0	1800		
	1.25	379	1.0	2400		
	1.00	336	1.0	3000		
	15.0	134	3.5	200	**ECMM 250/040/075**	**120/240**
	12.0	158	2.6	250		
	10.0	175	3.1	300		
	7.5	214	2.2	400		
	6.0	244	1.7	500		
	5.0	335	1.6	600		
	4.0	403	1.4	750		
	3.3	466	1.2	900		
	2.5	569	0.8	1200		
	2.00	696	0.8	1500		
	1.67	547	1.0	1800		
	1.25	470	1.0	2400		
	1.00	403	1.0	3000		
	12.0	168	4.2	250	**ECMM 250/040/090**	**120/240**
	10.0	184	5.1	300		
	7.5	226	3.6	400		
	6.0	263	2.6	500		
	5.0	351	2.7	600		
	4.0	423	2.2	750		
	3.3	489	1.9	900		
	2.5	600	1.4	1200		
	2.00	730	1.3	1500		
	1.67	838	1.1	1800		
	1.25	1029	0.8	2400		
	1.00	689	1.0	3000		

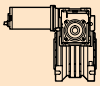
P_1 [W]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		Versione motore *Motor version*
350						
(3000 min^{-1})	6.0	286	4.5	500	**ECMM 250/050/110**	**120/240**
	5.0	361	4.4	600		
	4.0	441	3.6	750		
	3.3	503	3.2	900		
	2.5	639	2.3	1200		
	2.00	763	2.1	1500		
	1.67	877	1.8	1800		
	1.25	1115	1.3	2400		
	1.00	1325	1.0	3000		
500						
(3000 min^{-1})	**40.0**	78	1.1	75	**ECMM 350/030/040**	**120/240**
	30.0	101	0.8	100		
	20.0	87	1.0	150		
	15.0	74	1.0	200		
	12.0	67	1.0	250		
	10.0	90	1.0	300		
	7.5	74	1.0	400		
	40.0	79	2.0	75	**ECMM 350/030/050**	**120/240**
	30.0	103	1.5	100		
	20.0	146	1.1	150		
	15.0	184	0.7	200		
	12.0	216	0.6	250		
	10.0	235	0.7	300		
	7.5	135	1.0	400		
	6.0	125	1.0	500		
	5.0	162	1.0	600		
	4.0	162	1.0	750		
	3.3	162	1.0	900		
	40.0	80	3.6	75	**ECMM 350/030/063**	**120/240**
	30.0	104	2.8	100		
	20.0	144	2.1	150		
	15.0	181	1.4	200		
	12.0	213	1.1	250		
	10.0	243	1.3	300		
	7.5	292	0.9	400		
	6.0	338	0.7	500		
	5.0	458	0.7	600		
	4.0	310	1.0	750		
	3.3	310	1.0	900		
	2.5	260	1.0	1200		
	2.0	310	1.0	1500		

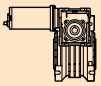
Nota: Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio

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

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*
500						
(3000 min^{-1})	**20.0**	148	3.0	150	**ECMM 350/040/070**	**120/240**
	15.0	186	2.1	200		
	12.0	222	1.5	250		
	10.0	246	1.8	300		
	7.5	295	1.3	400		
	6.0	341	1.0	500		
	5.0	469	1.0	600		
	4.0	565	0.8	750		
	3.3	653	0.7	900		
	2.5	379	1.0	1200		
	2.00	453	1.0	1500		
	1.67	453	1.0	1800		
	1.25	379	1.0	2400		
	20.0	150	3.5	150	**ECMM 350/040/075**	**120/240**
	15.0	188	2.5	200		
	12.0	222	1.8	250		
	10.0	246	2.2	300		
	7.5	300	1.6	400		
	6.0	341	1.2	500		
	5.0	469	1.2	600		
	4.0	565	1.0	750		
	3.3	653	0.8	900		
	2.5	470	1.0	1200		
	2.0	547	1.0	1500		
	1.7	547	1.0	1800		
	1.3	470	1.0	2400		
	12.0	236	3.0	250	**ECMM 350/040/090**	**120/240**
	10.0	258	3.7	300		
	7.5	317	2.6	400		
	6.0	369	1.9	500		
	5.0	493	1.9	600		
	4.0	593	1.6	750		
	3.3	685	1.4	900		
	2.5	841	1.0	1200		
	2.0	1024	0.9	1500		
	1.7	1175	0.8	1800		
	1.3	813	1.0	2400		
	1.0	689	1.0	3000		
	6.0	401	3.2	500	**ECMM 350/050/110**	**120/240**
	5.0	506	3.1	600		
	4.0	618	2.6	750		
	3.3	705	2.3	900		
	2.5	896	1.6	1200		
	2.0	1070	1.5	1500		
	1.7	1230	1.3	1800		
	1.3	1563	0.9	2400		
	1.0	1272	1.0	3000		
	4.0	645	2.6	750	**ECMM 350/063/130**	**120/240**
	3.3	737	2.3	900		
	2.5	938	1.7	1200		
	2.0	1135	1.5	1500		
	1.7	1306	1.3	1800		
	1.3	1662	1.0	2400		
	1.0	2011	0.7	3000		

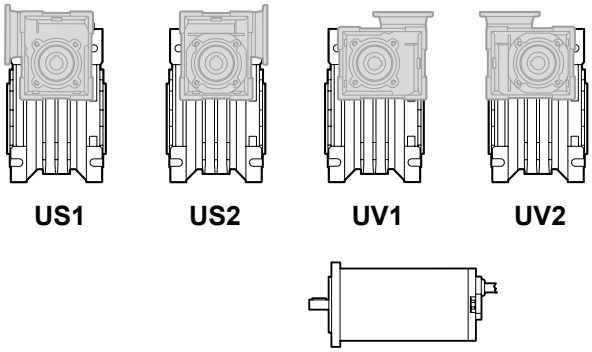
P_1 [W]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		Versione motore *Motor version*
800						
(3000 min^{-1})	**40.0**	132	3.2	75	**ECMM 600/040/070**	**120/240**
	30.0	172	2.4	100		
	20.0	239	1.8	150		
	15.0	301	1.3	200		
	12.0	359	0.9	250		
	10.0	398	1.1	300		
	7.5	477	0.8	400		
	6.0	336	1.0	500		
	5.0	453	1.0	600		
	4.0	453	1.0	750		
	3.3	453	1.0	900		
	2.5	379	1.0	1200		
	40.0	132	3.8	75	**ECMM 600/040/075**	**120/240**
	30.0	172	2.9	100		
	20.0	242	2.2	150		
	15.0	305	1.5	200		
	12.0	359	1.1	250		
	10.0	398	1.4	300		
	7.5	486	1.0	400		
	6.0	403	1.0	500		
	5.0	547	1.0	600		
	4.0	547	1.0	750		
	3.3	547	1.0	900		
	2.5	470	1.0	1200		
	20.0	249	3.5	150	**ECMM 600/040/090**	**120/240**
	15.0	318	2.5	200		
	12.0	381	1.9	250		
	10.0	418	2.3	300		
	7.5	513	1.6	400		
	6.0	597	1.2	500		
	5.0	797	1.2	600		
	4.0	960	1.0	750		
	3.3	1109	0.9	900		
	2.5	813	1.0	1200		
	12.0	402	3.2	250	**ECMM 600/050/110**	**120/240**
	10.0	429	3.7	300		
	7.5	545	2.6	400		
	6.0	648	2.0	500		
	5.0	819	1.9	600		
	4.0	1000	1.6	750		
	3.3	1141	1.4	900		
	2.5	1450	1.0	1200		
	2.0	1731	0.9	1500		
	1.7	1990	0.8	1800		
	1.3	1443	1.0	2400		
	1.0	1272	1.0	3000		
	7.5	563	2.8	400	**ECMM 600/063/130**	**120/240**
	6.0	682	2.2	500		
	5.0	845	2.0	600		
	4.0	1044	1.6	750		
	3.3	1192	1.4	900		
	2.5	1517	1.1	1200		
	2.0	1836	0.9	1500		
	1.7	2112	0.8	1800		
	1.3	1600	1.0	2400		
	1.0	1500	1.0	3000		

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

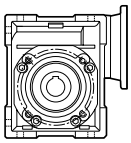
Note: *Please check that the output torque M2 does not exceed the value into the grey areas*

Motori applicabili

Motor adapters

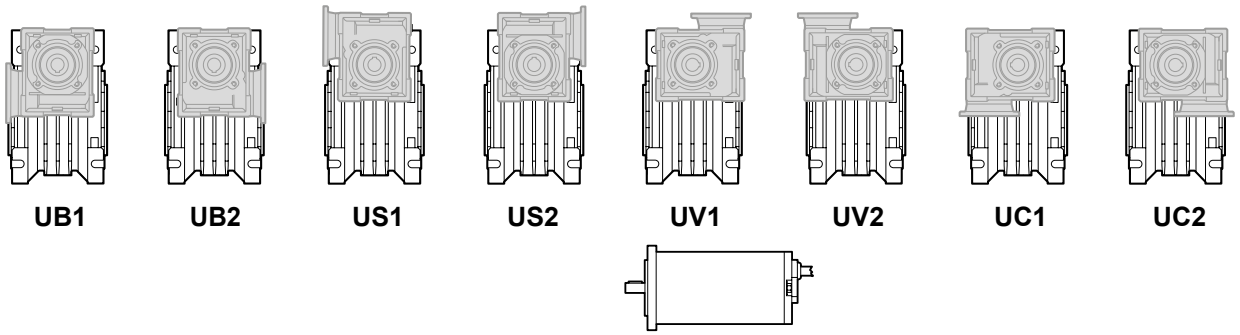


US1 US2 UV1 UV2

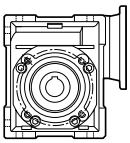


		EC			
		070.12E 070.24E	**100.120 100.240**	**100.24E**	**180.120 180.240**
CMM	**026/026**	150 - 3600	150 - 3600	150 - 3600	150 - 3600

150 - 3600 Rapporti di riduzione i
Ratio i



UB1 UB2 US1 US2 UV1 UV2 UC1 UC2



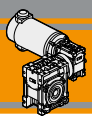
		EC							
		070.12E 070.24E	**100.120 100.240**	**100.24E**	**180.120 180.240**	**180.24E**	**250.120 250.240**	**350.120 350.240**	**600.120 600.240**
CMM	**026/030**	150 - 3600	150 - 3600	150 - 3600	150 - 3600				
	026/040	150 - 3600	150 - 3600	150 - 3600	150 - 3600				
	026/050	150 - 3600	150 - 3600	150 - 3600	150 - 3600				
	030/040	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 1500	75 - 1500	75 - 1500	
	030/050	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 1500	75 - 1500	75 - 1500	
	030/063	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 1500	100 - 1500	75 - 1500	
	040/070	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 3000	200 - 3000	75 - 3000	75 - 1200
	040/075	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 3000	200 - 3000	75 - 3000	75 - 1200
	040/090	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 3000	250 - 3000	75 - 3000	75 - 1200
	050/110				1200 - 3000	75 - 3000	500 - 3000	75 - 3000	75 - 3000
	063/130							75 - 3000	75 - 3000

150 - 3600 Rapporti di riduzione i
Ratio i

Dimensioni — *Dimensions*

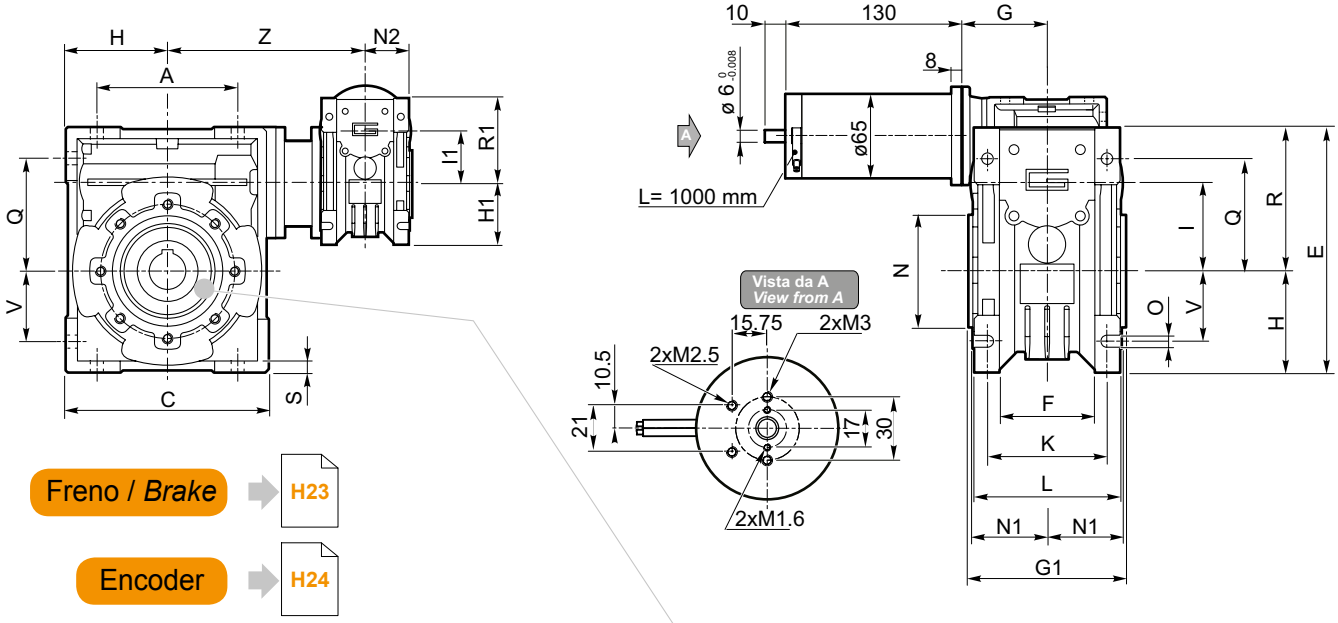
	CMM..U - CMM..F - CMM..FB - CMM..FL																
	A	C	D H8	E	F	G	G1	H	H1	I	I1	K	L	M	N h8	N1	N2
026/026	45	70	12	83	22	47.5	50	35	34	26	26	34	42	55	45	22.5	21
026/030	54	80	14	97	32	47.5	63	40	34	30	26	44	56	65	55	29	21
026/040	70	100	18	121.5	43	47.5	78	50	34	40	26	60	71	75	60	36.5	21
026/050	80	120	25	144	49	47.5	92	60	34	50	26	70	85	85	70	43.5	21
030/040	70	100	18	121.5	43	55	78	50	40	40	30	60	71	75	60	36.5	29
030/050	80	120	25	144	49	55	92	60	40	50	30	70	85	85	70	43.5	29
030/063	100	144	25	174	67	55	112	72	40	63	30	85	104	95	80	53	29
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	35.5
040/075	120	172	28	205	72	70	120	86	50	75	40	90	112	115	95	57	36.5
040/090	140	208	35	238	74	70	140	103	50	90	40	100	130	130	110	67	36.5

	CMM..U - CMM..F - CMM..FB - CMM..FL													
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
026/026	6	—	37	49	49	5	15	21	76	7	—	4	13.8	3.3
026/030	6.5	75	44	57	49	5.5	22	27	81	M6x10(n.4)	90°	5	16.3	4.1
026/040	6.5	87	55	71.5	49	6.5	26	35	91.5	M6x8(n.4)	45°	6	20.8	5.2
026/050	8.5	98	64	84	49	7	30	40	100.5	M8x10(n.4)	45°	8	28.3	6.7
030/040	6.5	87	55	71.5	57	6.5	26	35	122	M6x8(n.4)	45°	6	20.8	5.6
030/050	8.5	98	64	84	57	7	30	40	132	M8x10(n.4)	45°	8	28.3	6.7
030/063	8.5	110	80	102	57	8	36	50	145	M8x14(n.8)	45°	8	28.3	8.7
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	13.7
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	17.3



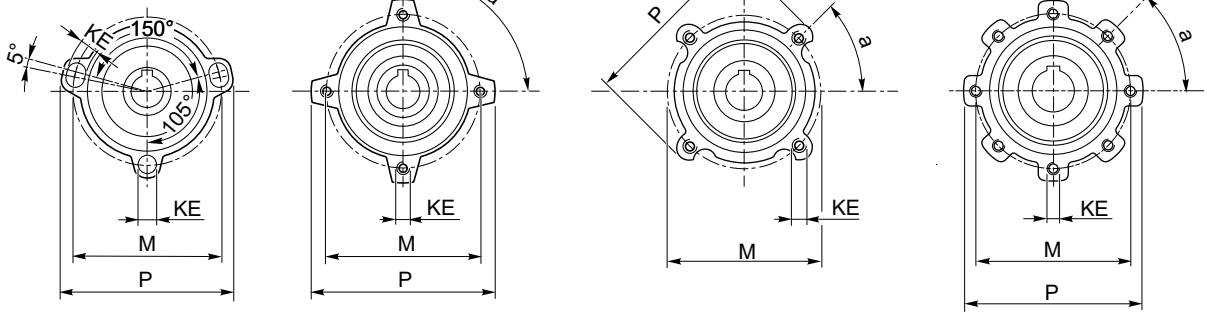
Dimensioni ***Dimensions***

ECMM070/../..U

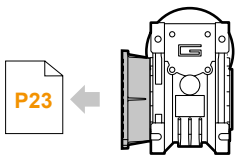


Freno / *Brake* → H23

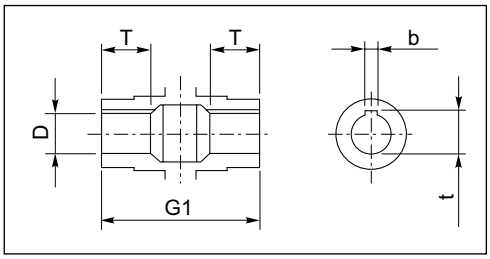
Encoder → H24



..026/026 **..026/030** **..026/040 ..026/050 ..030/040 ..030/050** **..030/063 ..040/070 ..040/075 ..040/090**



ECMM070/../.. F
ECMM070/../.. FL
ECMM070/../.. FB

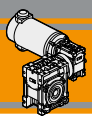


Albero lento cavo / *Hollow output shaft*

Dimensioni — *Dimensions*

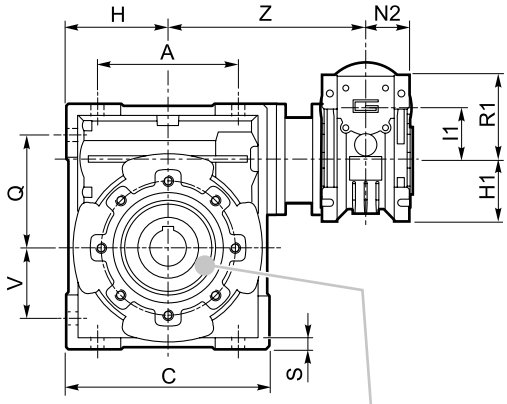
	CMM..U - CMM..F - CMM..FB - CMM..FL															
	A	C	D H8	E	F	G	G1	H	H1	I	I1	K	L	M	N h8	N1	N2
026/026	45	70	12	83	22	47.5	50	35	34	26	26	34	42	55	45	22.5	21
026/030	54	80	14	97	32	47.5	63	40	34	30	26	44	56	65	55	29	21
026/040	70	100	18	121.5	43	47.5	78	50	34	40	26	60	71	75	60	36.5	21
026/050	80	120	25	144	49	47.5	92	60	34	50	26	70	85	85	70	43.5	21
030/040	70	100	18	121.5	43	55	78	50	40	40	30	60	71	75	60	36.5	29
030/050	80	120	25	144	49	55	92	60	40	50	30	70	85	85	70	43.5	29
030/063	100	144	25	174	67	55	112	72	40	63	30	85	104	95	80	53	29
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	35.5
040/075	120	172	28	205	72	70	120	86	50	75	40	90	112	115	95	57	36.5
040/090	140	208	35	238	74	70	140	103	50	90	40	100	130	130	110	67	36.5

	CMM..U - CMM..F - CMM..FB - CMM..FL													
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
026/026	6	—	37	49	49	5	15	21	76	7	—	4	13.8	4.3
026/030	6.5	75	44	57	49	5.5	22	27	81	M6x10(n.4)	90°	5	16.3	5.1
026/040	6.5	87	55	71.5	49	6.5	26	35	91.5	M6x8(n.4)	45°	6	20.8	6.2
026/050	8.5	98	64	84	49	7	30	40	100.5	M8x10(n.4)	45°	8	28.3	7.7
030/040	6.5	87	55	71.5	57	6.5	26	35	122	M6x8(n.4)	45°	6	20.8	6.6
030/050	8.5	98	64	84	57	7	30	40	132	M8x10(n.4)	45°	8	28.3	7.7
030/063	8.5	110	80	102	57	8	36	50	145	M8x14(n.8)	45°	8	28.3	9.7
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	14.7
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	18.3



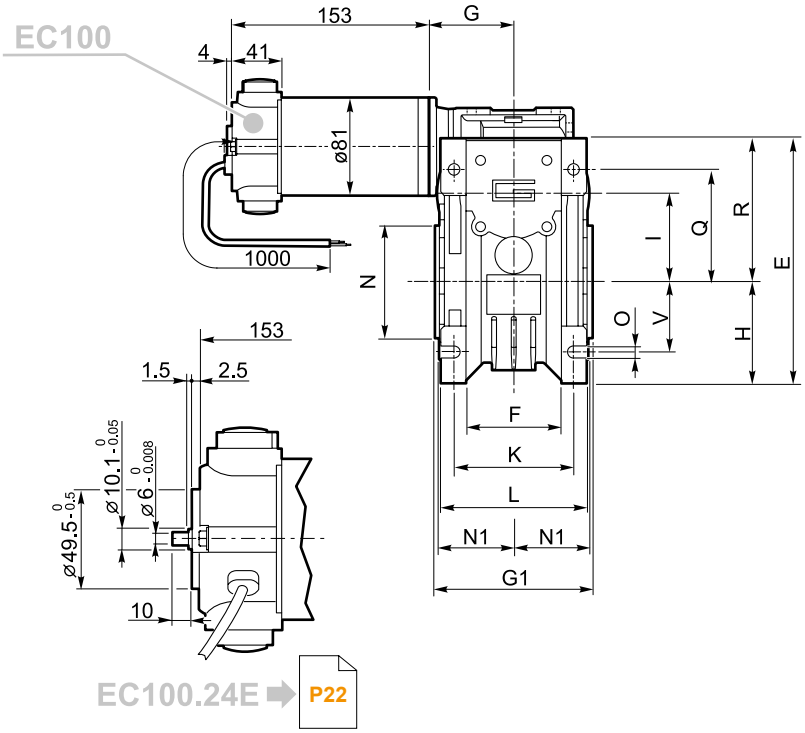
Dimensioni ***Dimensions***

ECMM100/../..U

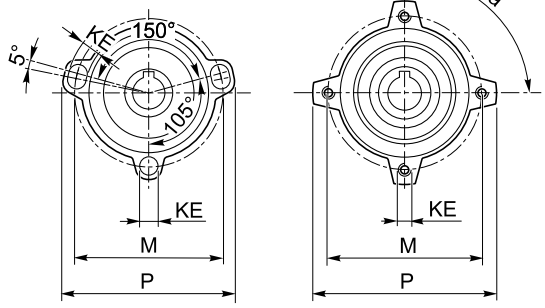


Freno / *Brake* → H23

Encoder → H24

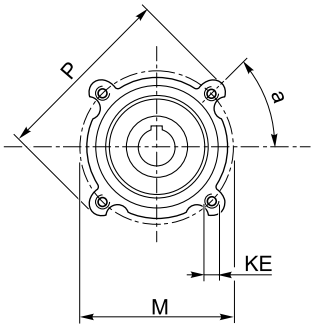


EC100.24E → P22

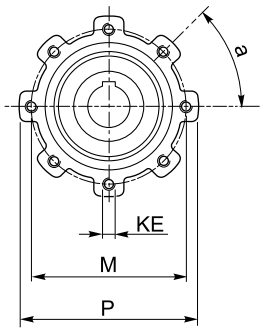


..026/026

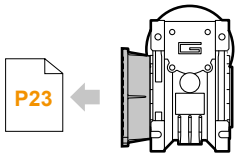
..026/030



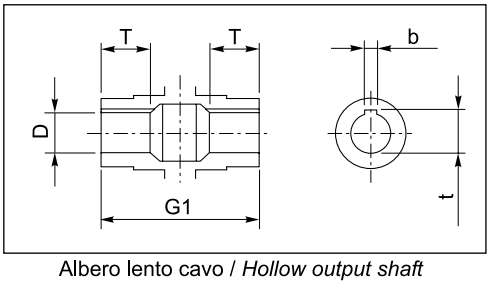
..026/040 ..026/050
..030/040 ..030/050



..030/063 ..040/075
..040/090



ECMM100/../.. F
ECMM100/../.. FL
ECMM100/../.. FB



Albero lento cavo / *Hollow output shaft*

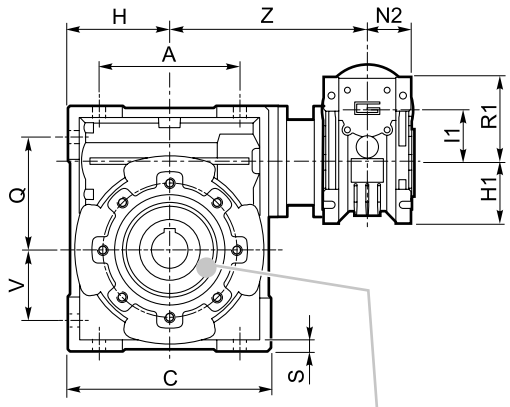
Dimensioni — *Dimensions*

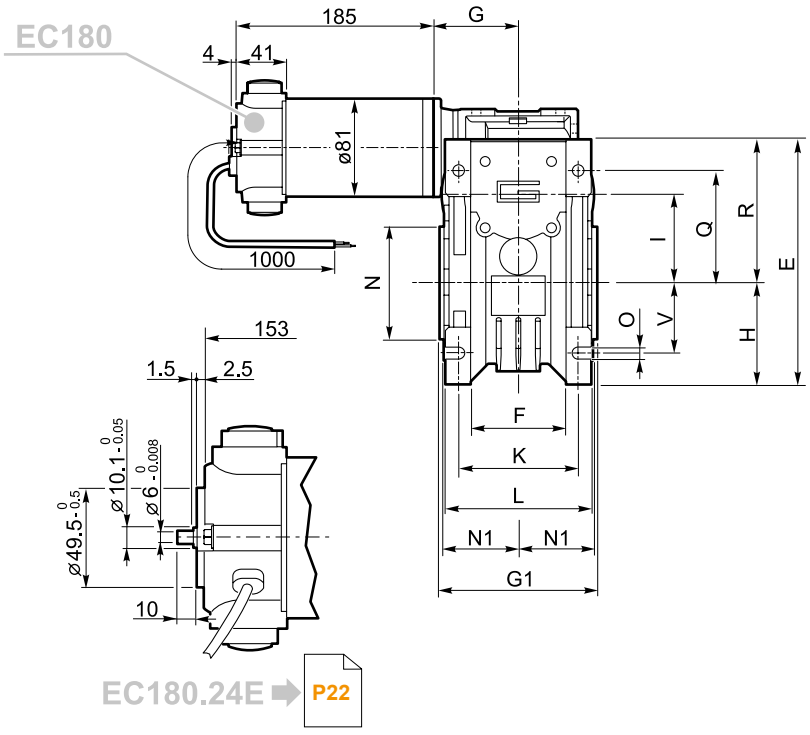
	CMM..U - CMM..F - CMM..FB - CMM..FL															
	A	C	D H8	E	F	G	G1	H	H1	I	I1	K	L	M	N h8	N1	N2
026/040	70	100	18	121.5	43	47.5	78	50	34	40	26	60	71	75	60	36.5	21
026/050	80	120	25	144	49	47.5	92	60	34	50	26	70	85	85	70	43.5	21
030/040	70	100	18	121.5	43	55	78	50	40	40	30	60	71	75	60	36.5	29
030/050	80	120	25	144	49	55	92	60	40	50	30	70	85	85	70	43.5	29
030/063	100	144	25	174	67	55	112	72	40	63	30	85	104	95	80	53	29
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	35.5
040/075	120	172	28	205	72	70	120	86	50	75	40	90	112	115	95	57	36.5
040/090	140	208	35	238	74	70	140	103	50	90	40	100	130	130	110	67	36.5
050/110	170	252.5	42	295	—	80	155	127.5	60	110	50	115	144	165	130	74	43.5

	CMM..U - CMM..F - CMM..FB - CMM..FL													
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
026/040	6.5	87	55	71.5	49	6.5	26	35	91.5	M6x8(n.4)	45°	6	20.8	6.9
026/050	8.5	98	64	84	49	7	30	40	100.5	M8x10(n.4)	45°	8	28.3	8.4
030/040	6.5	87	55	71.5	57	6.5	26	35	122	M6x8(n.4)	45°	6	20.8	7.3
030/050	8.5	98	64	84	57	7	30	40	132	M8x10(n.4)	45°	8	28.3	8.4
030/063	8.5	110	80	102	57	8	36	50	145	M8x14(n.8)	45°	8	28.3	10.4
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	15.4
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	19
050/110	14	200	125	167.5	84	14	50	85	225	M10x18(n.8)	45°	12	45.3	33.6

Dimensioni ***Dimensions***

ECMM180/../..U

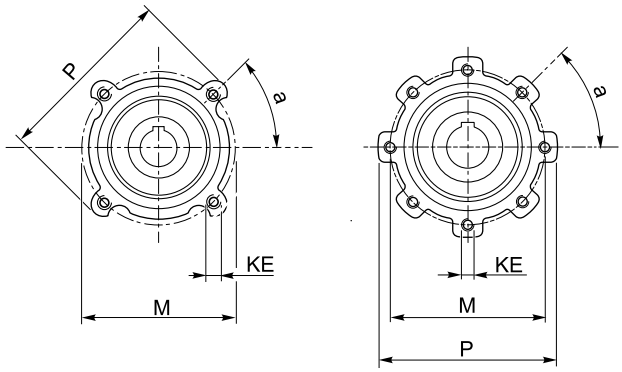




Freno / *Brake* → H23

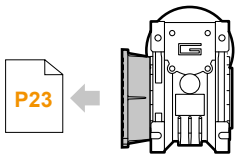
Encoder → H24

EC180.24E → P22

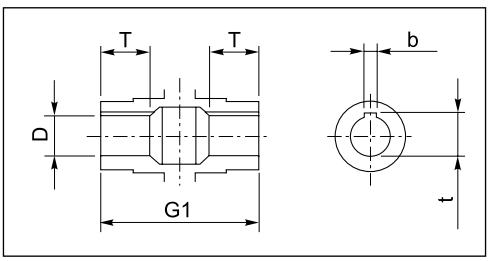


..026/040 ..026/050
..030/040 ..030/050

..030/063 ..040/075
..040/090 ..050/110



ECMM180/../.. F
ECMM180/../.. FL
ECMM180/../.. FB

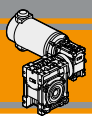


Albero lento cavo / *Hollow output shaft*

Dimensioni — *Dimensions*

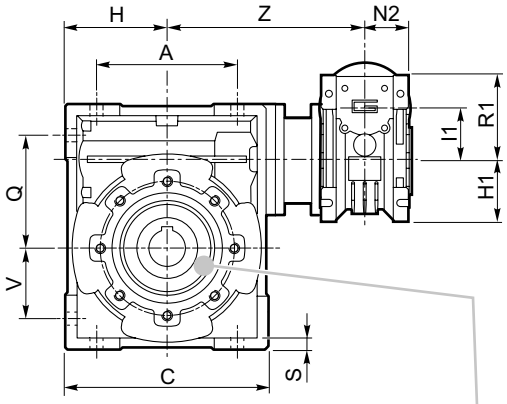
	CMM..U - CMM..F - CMM..FB - CMM..FL															
	A	C	D H8	E	F	G	G1	H	H1	I	I1	K	L	M	N h8	N1	N2
030/040	70	100	18	121.5	43	55	78	50	40	40	30	60	71	75	60	36.5	29
030/050	80	120	25	144	49	55	92	60	40	50	30	70	85	85	70	43.5	29
030/063	100	144	25	174	67	55	112	72	40	63	30	85	104	95	80	53	29
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	35.5
040/075	120	172	28	205	72	70	120	86	50	75	40	90	112	115	95	57	36.5
040/090	140	208	35	238	74	70	140	103	50	90	40	100	130	130	110	67	36.5
050/110	170	252.5	42	295	—	80	155	127.5	60	110	50	115	144	165	130	74	43.5

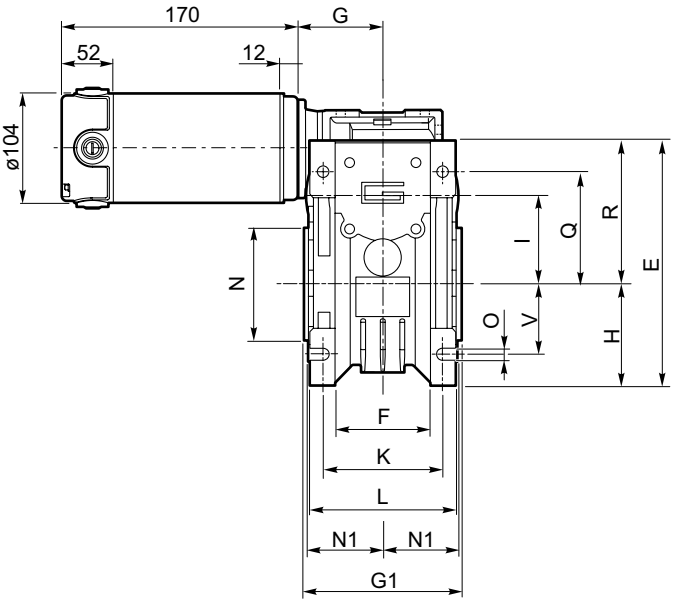
	CMM..U - CMM..F - CMM..FB - CMM..FL													
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
030/040	6.5	87	55	71.5	57	6.5	26	35	122	M6x8(n.4)	45°	6	20.8	9.2
030/050	8.5	98	64	84	57	7	30	40	132	M8x10(n.4)	45°	8	28.3	10.3
030/063	8.5	110	80	102	57	8	36	50	145	M8x14(n.8)	45°	8	28.3	12.3
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	17.3
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	20.9
050/110	14	200	125	167.5	84	14	50	85	225	M10x18(n.8)	45°	12	45.3	35.5

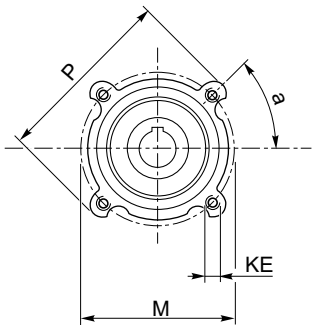


Dimensioni ***Dimensions***

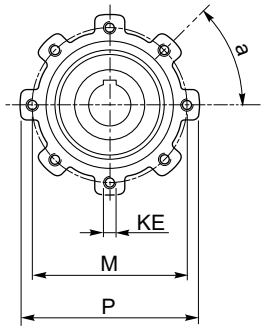
ECMM250/../..U



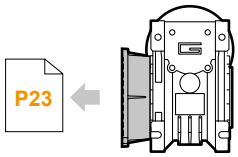




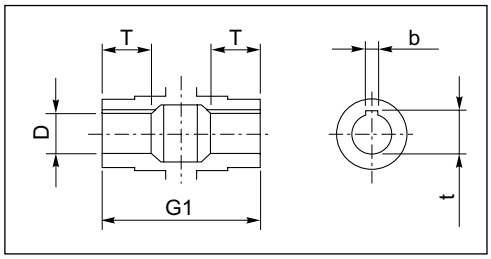
..030/040 ..030/050



..030/063 ..040/075
..040/090 ..050/110



ECMM250/../.. F
ECMM250/../.. FL
ECMM250/../.. FB

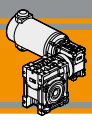


Albero lento cavo / *Hollow output shaft*

Dimensioni — *Dimensions*

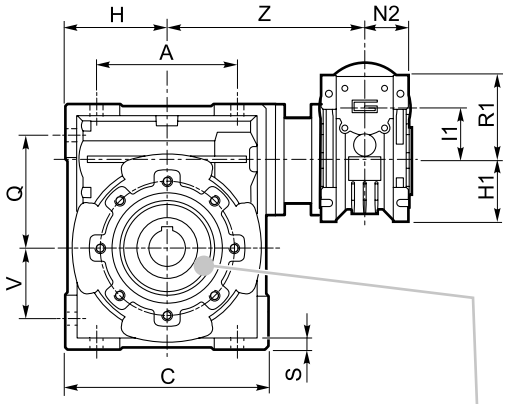
	CMM..U - CMM..F - CMM..FB - CMM..FL															
	A	C	D H8	E	F	G	G1	H	H1	I	I1	K	L	M	N h8	N1	N2
030/040	70	100	18	121.5	43	55	78	50	40	40	30	60	71	75	60	36.5	29
030/050	80	120	25	144	49	55	92	60	40	50	30	70	85	85	70	43.5	29
030/063	100	144	25	174	67	55	112	72	40	63	30	85	104	95	80	53	29
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	35.5
040/075	120	172	28	205	72	70	120	86	50	75	40	90	112	115	95	57	36.5
040/090	140	208	35	238	74	70	140	103	50	90	40	100	130	130	110	67	36.5
050/110	170	252.5	42	295	—	80	155	127.5	60	110	50	115	144	165	130	74	43.5
063/130	200	292.5	45	335	—	95	170	147.5	72	130	63	120	155	215	180	81	53

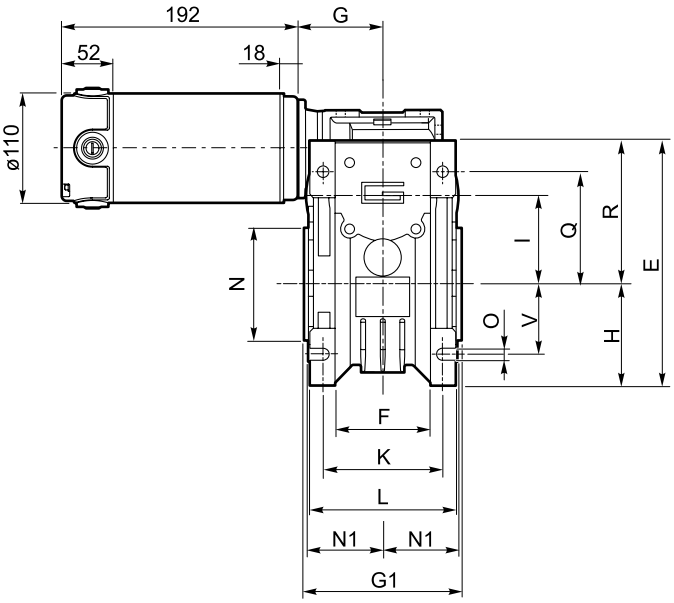
	CMM..U - CMM..F - CMM..FB - CMM..FL													
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
030/040	6.5	87	55	71.5	57	6.5	26	35	122	M6x8(n.4)	45°	6	20.8	9.2
030/050	8.5	98	64	84	57	7	30	40	132	M8x10(n.4)	45°	8	28.3	10.3
030/063	8.5	110	80	102	57	8	36	50	145	M8x10(n.8)	45°	8	28.3	12.3
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	17.3
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	20.9
050/110	14	200	125	167.5	84	14	50	85	225	M10x18(n.8)	45°	12	45.3	35.5
063/130	16	250	140	187.5	102	15	60	100	245	M12x21(n.8)	45°	14	48.8	60.3



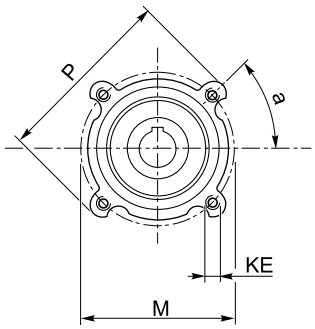
Dimensioni ***Dimensions***

ECMM350/../..U

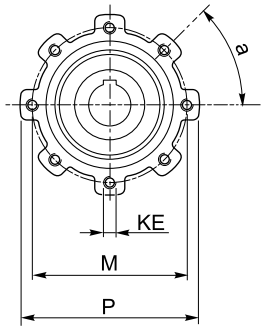




Freno / *Brake* → H23

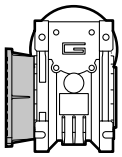


..030/040 ..030/050

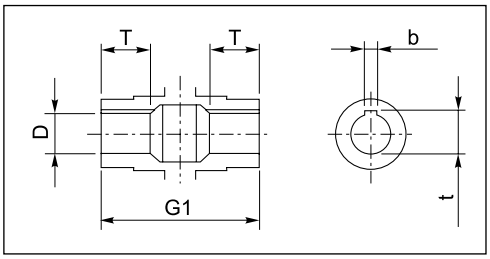


..030/063 ..040/075
..040/090 ..050/110
..063/130

P23 →



ECMM350/../.. F
ECMM350/../.. FL
ECMM350/../.. FB

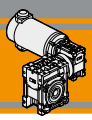


Albero lento cavo / *Hollow output shaft*

Dimensioni — *Dimensions*

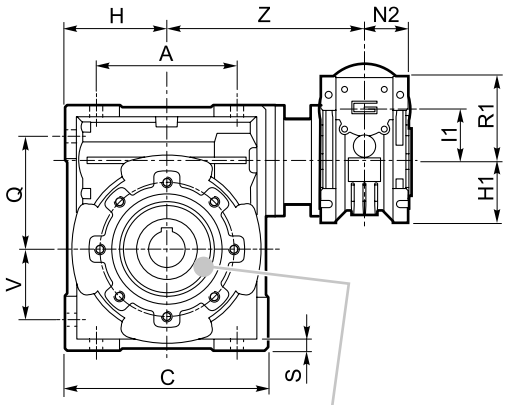
	CMM..U - CMM..F - CMM..FB - CMM..FL															
	A	C	D H8	E	F	G	G1	H	H1	I	I1	K	L	M	N h8	N1	N2
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	35.5
040/075	120	172	28	205	72	70	120	86	50	75	40	90	112	115	95	57	36.5
040/090	140	208	35	238	74	70	140	103	50	90	40	100	130	130	110	67	36.5
050/110	170	252.5	42	295	—	80	155	127.5	60	110	50	115	144	165	130	74	43.5
063/130	200	292.5	45	335	—	95	170	147.5	72	130	63	120	155	215	180	81	53

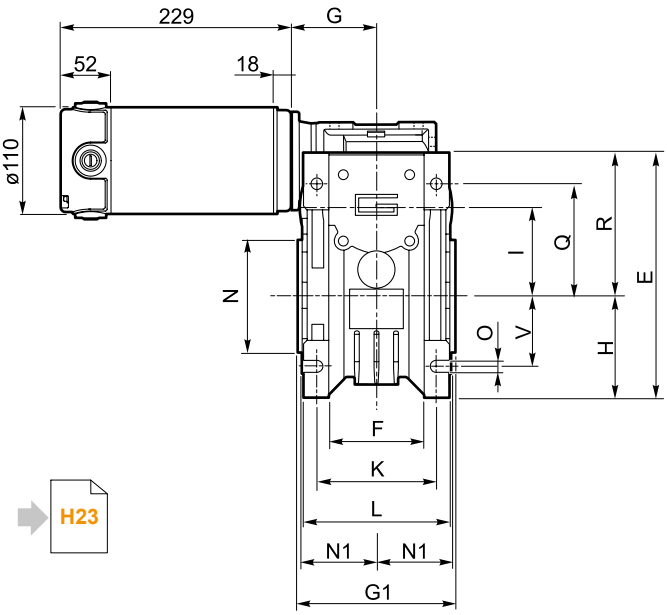
	CMM..U - CMM..F - CMM..FB - CMM..FL													
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	19.1
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	22.7
050/110	14	200	125	167.5	84	14	50	85	225	M10x18(n.8)	45°	12	45.3	37.3
063/130	16	250	140	187.5	102	15	60	100	245	M12x21(n.8)	45°	14	48.8	62.1



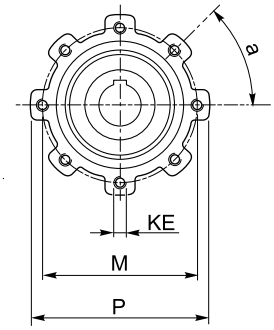
Dimensioni ***Dimensions***

ECMM600/../..U

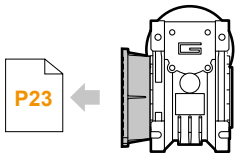




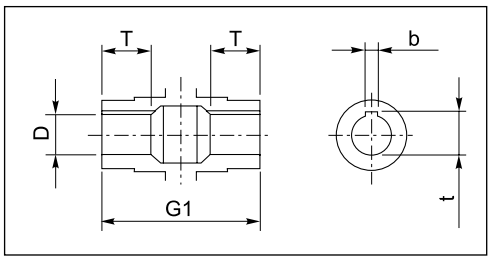
Freno / *Brake* → H23



..040/075 ..040/090
..050/110 ..063/130



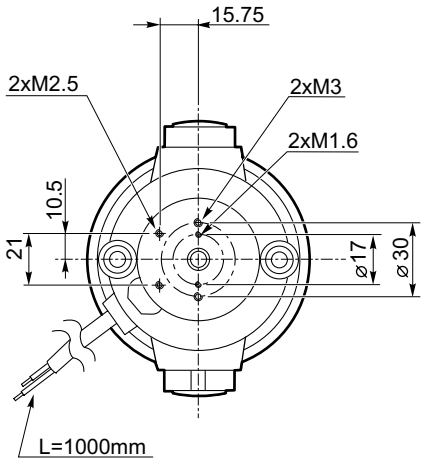
ECMM600/../.. F
ECMM600/../.. FL
ECMM600/../.. FB

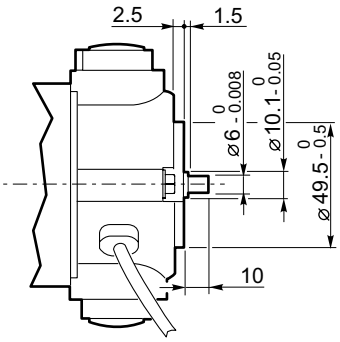


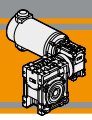
Albero lento cavo / *Hollow output shaft*

Dimensioni ***Dimensions***

EC100.24E
EC180.24E

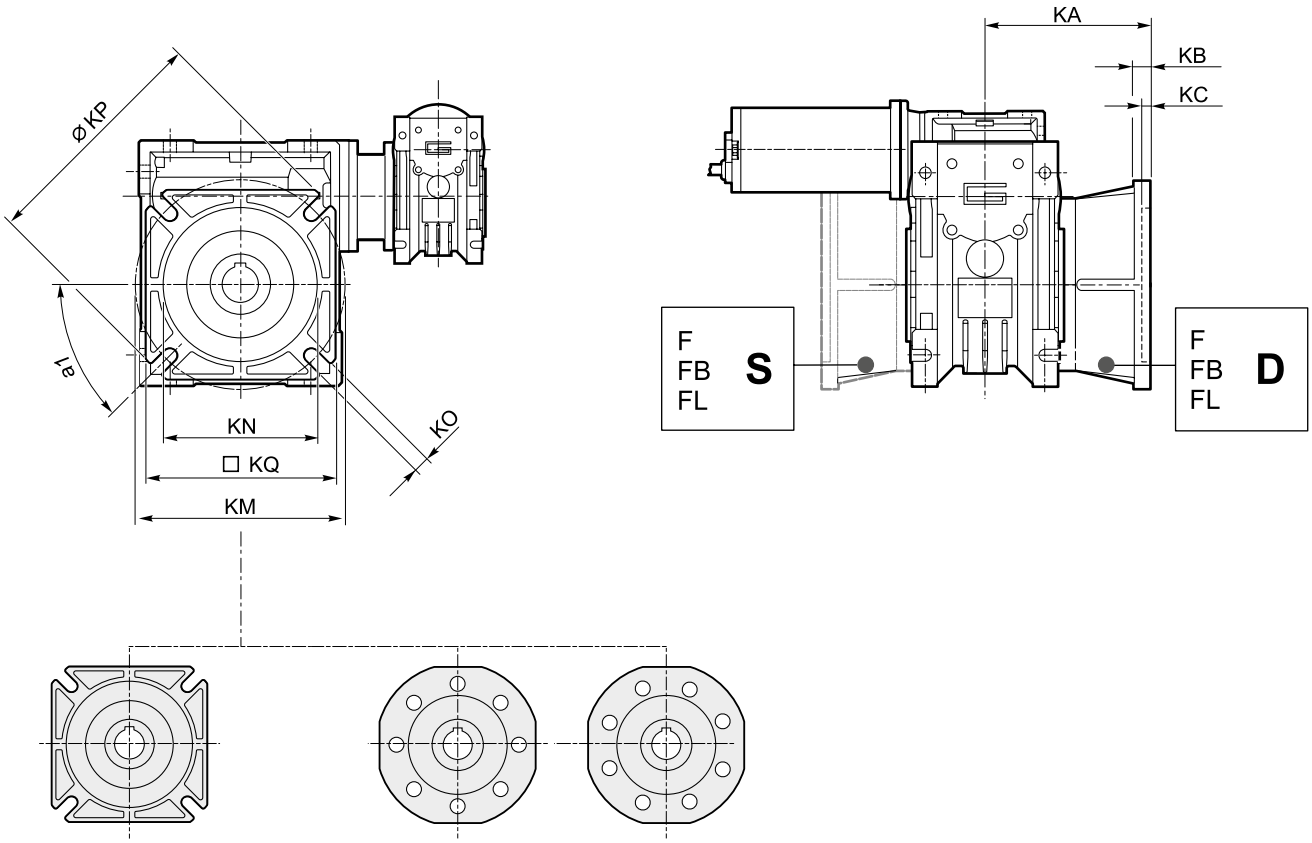






Dimensioni — *Dimensions*

ECMM.../... F... Flange uscita / *Output flanges*



CMM..F
(../26 - ../030 - ../070 - ../090)

CMM..FB
(../040 - ../063)

CMM..FL
(../040 - ../063)

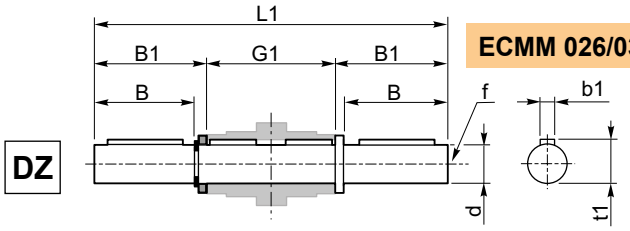
CMM..F
(../110)

CMM..F
(../130)

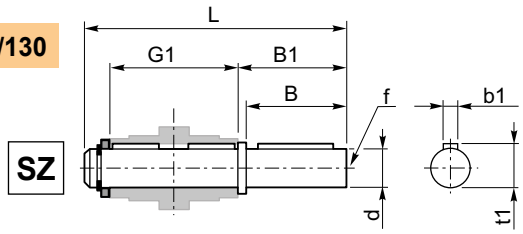
		CMM..F								CMM..FB								CMM..FL							
	a1	KA	KB	KC	KM	KN H8	KO	KP	KQ	KA	KB	KC	KM	KN H8	KO	KP	KQ	KA	KB	KC	KM	KN H8	KO	KP	KQ
026/026	45°	45	6	4.5	55-69	40	6.5(n.4)	75	70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
026/030	45°	54.5	6	4	68	50	6.5(n.4)	80	70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
026/040 030/040	45°	67	7.5	4.5	80-95	60	9(n.4)	110	95	80	8.5	5	115-125	95	9.5(n.4)	140	112	97	7.5	4.5	80-95	60	9(n.4)	110	95
026/050 030/050	45°	90	9	5	90-110	70	11(n.4)	125	110	89	9	5	130-145	110	9.5(n.4)	160	132	120	9	5	90-110	70	11(n.4)	125	110
030/063	45°	82	10	6	150-160	115	11(n.4)	180	142	98	10	5	165-180	130	11(n.4)	200	112	112	10	6	150-160	115	11(n.4)	180	142
040/070	45°	107	13	6	165-180	130	14(n.4)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
040/075	45°	111	13	6	165-180	130	14(n.4)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
040/090	45°	111	13	6	175-190	152	14(n.4)	210	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
050/110	45°	131	15	6	230	170	14(n.8)	280	260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
063/130	22.5°	140	15	6	255	180	16(n.8)	320	290	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Accessori — *Accessories*

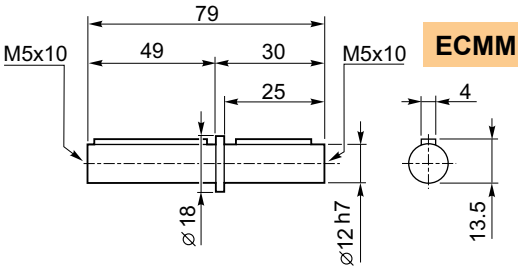
Albero lento semplice e doppio — *Single and double output shaft*



ECMM 026/030 - ECMM 063/130



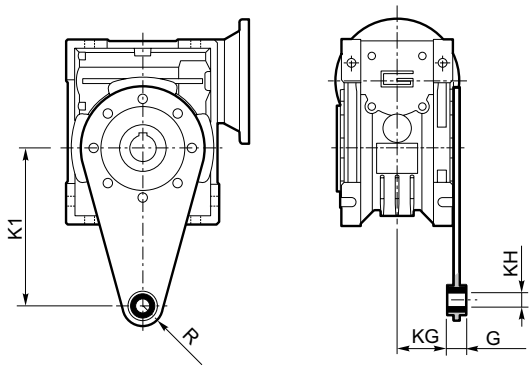
ECMM	d h7	B	B1	G1	L	L1	f	b1	t1
026/030	14	30	32.5	63	102	128	M6	5	16
026/040 030/040	18	40	43	78	128	164	M6	6	20.5
026/050 030/050	25	50	53.5	92	153	199	M10	8	28
030/063	25	50	53.5	112	173	219	M10	8	28
040/070	28	60	63.5	120	192	247	M10	8	31
040/075	28	60	63.5	120	192	247	M10	8	31
040/090	35	80	84.5	140	234	309	M12	10	38
050/110	42	80	84.5	155	249	324	M16	12	45
063/130	45	80	85	170	265	340	M16	14	48.5



ECMM 026/026

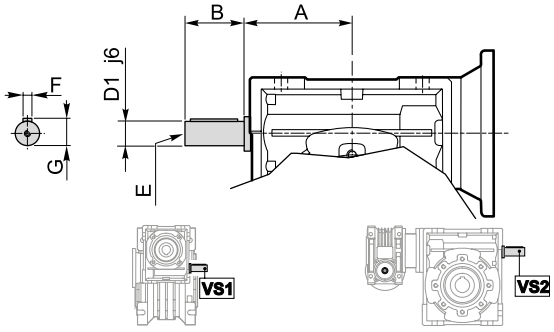
Braccio di reazione — *Torque arm*

ECMM	K1	G	KG	KH	R
026/030	85	14	23	8	15
026/040 030/040	100	14	31	10	18
026/050 030/050	100	14	38	10	18
030/063	150	14	47.5	10	18
040/070	200	25	46.5	20	30
040/075	200	25	46.5	20	30
040/090	200	25	56.5	20	30
050/110	250	30	62	25	35
063/130	250	30	69	25	35



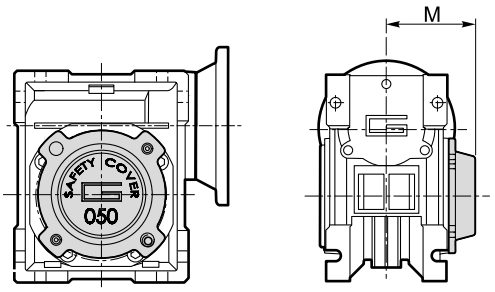
Opzioni — *Options*

VS1 - VS2 - Vite sporgente / *Extended input shaft*



CMM	VS1						VS2					
	A	B	D_1 j6	E	F	G	A	B	D_1 j6	E	F	G
026/030	—	—	—	—	—	—	45	20	9	M4	3	10.2
026/040	—	—	—	—	—	—	53	23	11	M5	4	12.5
026/050	—	—	—	—	—	—	64	30	14	M6	5	16
030/040	45	20	9	M4	3	10.2	53	23	11	M5	4	12.5
030/050	45	20	9	M4	3	10.2	64	30	14	M6	5	16
030/063	45	20	9	M4	3	10.2	75	40	19	M6	6	21.5
040/070	53	23	11	M5	4	12.5	84	40	19	M6	6	21.5
040/075	53	23	11	M5	4	12.5	90	50	24	M8	8	27
040/090	53	23	11	M5	4	12.5	108	50	24	M8	8	27
050/110	64	30	14	M6	5	16	135	60	28	M10	8	31
063/130	75	40	19	M6	6	21.5	—	—	—	—	—	—

SC - *Safety cover*



	CM								
	30	40	50	63	70	75	90	110	130
M	47	54.5	62.5	73	79	79	94	102	117

Costruito su richiesta
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