

2009 SECOND
EDITION

● ● ●
TRANSTECNOTM
THE MODULAR GEARMOTOR

CATALOGO GENERALE
STOCK CATALOGUE

NEWS

Sezione serie CMB
CMB series section

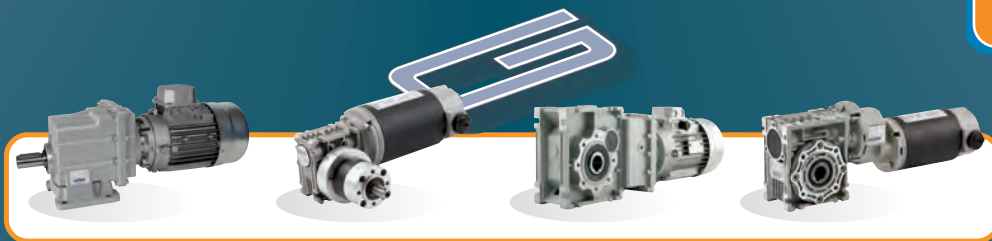
Nuova sezione serie CMP
CMP series new section

Sezione serie CMGV
CMGV series section

Sezione serie PHP
PHP series section

Rapporto 1/5 serie CM
1:5 ratio in CM series

Combinati
WMM26/040 - WMM26/050
WMM26/040 - WMM26/050
Combination gearboxes



THE COMPLETE PRODUCTION RANGE



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Caratteristiche tecniche

Technical characteristics

I riduttori della serie CMG sono caratterizzati da un elevato grado di modularità: partendo da un corpo di base è possibile configurarlo secondo le esigenze dell'applicazione, con flangia o piede.

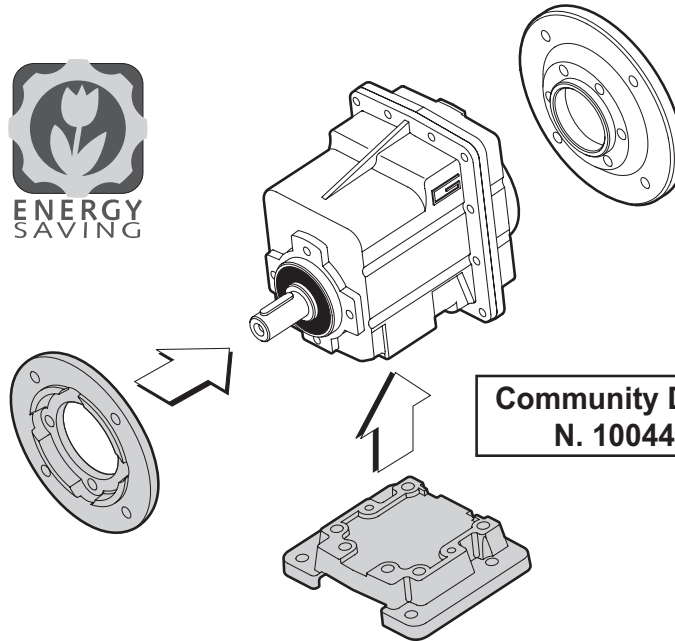
Caratteristiche comuni a tutta la serie:

- Carcasa e flangia PAM in pressofusione di alluminio
- Piedi e flange uscita in ghisa
- Ingranaggi sempre rettificati (sia nel 1° che nel 2° stadio)
- Lubrificazione permanente

CMG helical gearboxes are characterized by high modularity grade: starting from the standard base it is possible to configure the gear according to the specifications, with removable flange or foot.

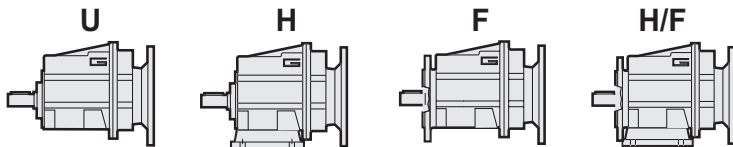
CMG helical gearboxes have the following characteristics:

- Die cast aluminium housing and motor flange
- Cast iron foot and output flange
- Ground gears (both 1st and 2nd stage)
- Long life lubrication



Designazione

Designation

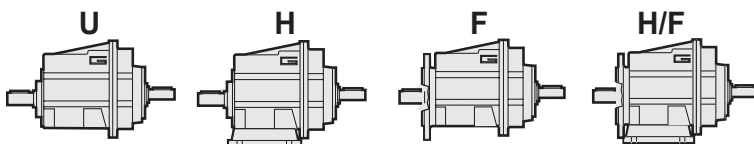


RIDUTTORE / GEARBOX

CMG	01	2	9.81	H75	P71	B14	O20
Tipo Type	Grandezza Size	Stadi Stages	Rapporto Ratio	Versione Version	IEC		Diam. Albero uscita Output shaft diam.
CMG	01 02 03 04	2 3	vedi tabella see tables	U... H... F... H.../F...	P63.. — P112..	B5 B14	

MOTORE / MOTOR

71B4	B5	230/400	50	T4
Grandezza Size	Forma costruttiva Version	Tensione Voltage	Frequenza Frequency	Pos. morsetti Terminal board position
63.. — 112..	B5 B14			T1 T2 T3 T4



RIDUTTORE / GEARBOX

CMGIS	01	2	9.81	U	I16	O20
Tipo Type	Grandezza Size	Stadi Stages	Rapporto Ratio	Versione Version	Diam. Albero entrata Input shaft diam.	Diam. Albero uscita Output shaft diam.
CMGIS	01 02 03 04	2 3	vedi tabella see tables	U... H... F... H.../F...		

Posizioni di montaggio

Mounting positions

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

All CMG reduction units are supplied complete with synthetic lubricant viscosity 320. For this reason they can be installed in any assembly position and do not require maintenance.

Tipo Type	Quantità di olio (litri) / Oil quantity (liters)							
	Grandezza / Size							
	012	013	022	023	032	033	042	043
CMG	0.32	0.94	0.32	0.94	0.70	1.80	0.70	1.80
CMGIS	0.32	0.94	0.32	0.94	0.72	1.80	0.72	1.80

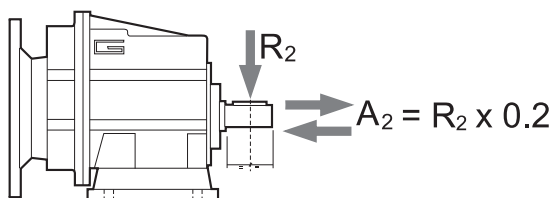
N.B.

Le quantità di lubrificante sono indipendenti dalla posizione di montaggio.

The oil quantity does not depend on mounting position.

Carichi radiali

Radial loads



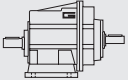
n_2 [min ⁻¹]	R_2 [N]			
	CMG 01	CMG 02	CMG 03	CMG 04
400	921	1842	2395	2866
250	1077	2154	2801	3353
180	1323	2554	3321	3897
150	1406	2714	3529	4244
120	1631	3467	3801	4572
100	1842	3684	4507	5234
80	1984	3969	5042	5991
60	2184	4368	5549	6594
40	2500	5000	6500	8000
10	2500	5000	6500	8000

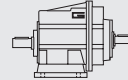
Simbologia

Symbols

n_1	[min ⁻¹]	Velocità in ingresso / Input speed
n_2	[min ⁻¹]	Velocità in uscita / Output speed
i		Rapporto di riduzione / Ratio
P_1	[kW]	Potenza in entrata / Input power
M_n	[Nm]	Coppia nominale in uscita / Nominal output torque
sf		Fattore di servizio / Service factor
R_2	[N]	Carico radiale ammissibile in uscita / Permitted output radial load

Dati tecnici
 n_1 1400 min⁻¹
Technical data

	n_2 [min ⁻¹]	M_2 [Nm]	P1 [kW]	i
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	n_2 [min ⁻¹]	M_2 [Nm]	P1 [kW]	i
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CMGIS 012

367	60	2.4	3.82
302	60	2.0	4.63
246	60	1.6	5.69
181	80	1.6	7.72
153	80	1.3	9.17
143	80	1.2	9.81
118	100	1.3	11.90
101	120	1.3	13.80
95.7	120	1.3	14.62
78.4	120	1.0	17.86
70.6	120	0.9	19.83
59.4	120	0.8	23.56
39.5	120	0.5	35.47
30.5	120	0.4	45.89
26.3	120	0.3	53.33

CMGIS 032

374	150	6.1	3.74
311	150	5.1	4.50
255	150	4.2	5.48
222	180	4.4	6.31
176	180	3.5	7.93
154	180	3.0	9.08
128	180	2.5	10.93
111	250	3.0	12.60
105	250	2.9	13.30
91.5	280	2.8	15.30
76.9	280	2.3	18.21
72.8	280	2.2	19.24
66.2	280	2.0	21.15
45.8	300	1.5	30.57
31.7	300	1.0	44.18
27.3	300	0.9	51.30

CMGIS 013

30.0	120	0.40	46.61
25.3	120	0.34	55.36
22.1	120	0.30	63.22
18.6	120	0.25	75.08
15.7	120	0.21	89.17
12.4	120	0.17	113.05
10.4	120	0.14	134.27
8.1	120	0.11	173.72
6.9	120	0.09	202.16
5.4	120	0.07	261.57
4.6	120	0.06	304.00
3.6	120	0.05	393.33

CMGIS 033

31.0	300	1.0	45.21
22.8	300	0.76	61.32
19.2	300	0.64	72.83
14.4	300	0.48	97.45
12.1	300	0.40	115.74
9.9	300	0.33	140.81
8.0	300	0.27	174.26
6.2	300	0.21	225.47
5.3	300	0.18	262.05
4.3	300	0.14	325.79
3.7	300	0.12	378.64

CMGIS 022

383	100	4.2	3.66
316	100	3.4	4.43
257	100	2.8	5.45
190	120	2.5	7.39
159	120	2.1	8.78
141	120	1.8	9.93
116	200	2.5	12.05
106	200	2.3	13.21
94.6	200	2.1	14.81
81.9	160	1.4	17.10
69.7	200	1.5	20.08
58.7	200	1.3	23.85
39.0	200	0.9	35.91
30.1	200	0.7	46.46
25.9	200	0.6	54.00

CMGIS 042

374	230	9.4	3.74
311	230	7.8	4.50
255	230	6.4	5.48
222	260	6.3	6.31
176	260	5.0	7.93
154	280	4.7	9.08
128	280	3.9	10.93
111	350	4.2	12.60
105	350	4.0	13.30
91.5	420	4.2	15.30
76.9	420	3.5	18.21
72.8	420	3.3	19.24
45.8	500	2.5	30.57
31.7	500	1.7	44.18
27.3	500	1.5	51.30

CMGIS 023

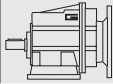

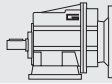

29.7	200	0.66	47.19
25.0	200	0.56	56.05
21.9	200	0.49	64.01
18.4	200	0.41	76.02
15.5	200	0.35	90.29
12.2	200	0.27	114.46
10.3	200	0.23	135.95
8.0	200	0.18	175.89
6.8	200	0.15	204.69
5.3	200	0.12	264.84
4.5	200	0.10	307.80
3.5	200	0.08	398.25

CMGIS 043

31.0	500	1.7	45.21
22.8	500	1.3	61.32
19.2	500	1.1	72.83
14.4	500	0.80	97.45
12.1	500	0.67	115.74
9.9	500	0.55	140.81
8.0	500	0.45	174.26
6.2	500	0.35	225.47
5.3	500	0.30	262.05
4.3	500	0.24	325.79
3.7	500	0.21	378.64

Dati tecnici

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i											
0.37																						
71B4 (1400 min ⁻¹)	367	9.3	6.5	3.82	CMG012	B5/B14	80A4 (1400 min ⁻¹)	29.7	166	1.2	47.19	CMG023	B5/B14									
	302	11.2	5.3	4.63				B5/B14	25.0	198	1.0			56.05	B5/B14							
	246	13.8	4.4	5.69				B5/B14	21.9	226	0.89			64.01	B5/B14							
	181	18.7	4.3	7.72				B5/B14	45.8	110	2.7			30.57	CMG032	B5/B14						
	153	22.2	3.6	9.17				B5/B14														
	143	23.8	3.4	9.81				B5/B14														
	118	28.8	3.5	11.90				B5/B14	31.0	159	1.9			44.18	CMG033	B5/B14						
	101	33	3.6	13.80				B5/B14														
	95.7	35	3.4	14.62				B5/B14	22.8	216	1.4			61.32	CMG033	B5/B14						
	78.4	43	2.8	17.86				B5/B14														
	70.6	48	2.5	19.83				B5/B14	19.2	257	1.2			72.83	CMG033	B5/B14						
	59.4	57	2.1	23.56				B5/B14														
39.5	86	1.4	35.47	B5/B14	14.4	344	0.87	97.45	CMG033	B5/B14												
30.5	111	1.1	45.89	B5/B14																		
26.3	129	0.93	53.33	B5/B14	CMG043	B5/B14	22.8	216	2.3	61.32	B5/B14											
30.0	111	1.1	46.61	CMG013								B5/B14	19.2	257	1.9	72.83	B5/B14					
	25.3	131	0.91															55.36	14.4	344	1.5	97.45
	22.1	150	0.80															63.22				
81.9	41	3.9	17.10	CMG022								B5/B14	9.9	497	1.0	140.81	B5/B14					
	58.7	58	3.5															23.85	8.0	615	0.81	174.26
	39.0	87	2.3		35.91	CMG022	B5/B14	116	59	3.4	12.05							CMG022				
30.1	113	1.8	46.46	106	65							3.1	13.21									
25.9	131	1.5	54.00											94.6	73	2.8	14.81					
29.7	112	1.8	47.19	CMG023	B5/B14	81.9	84	1.9	17.10	B5/B14												
	25.0	133	1.5								56.05	69.7	99	2.0	20.08							
	21.9	152	1.3								64.01					58.7	117	1.7	23.85			
	18.4	180	1.1								76.02	39.0	176	1.1	35.91							
	15.5	214	0.93								90.29					30.1	228	0.88	46.46			
	31.7	107	2.8								44.18	CMG032	B5	66.2	104					2.7	21.15	CMG032
27.3		124	2.4	51.30	45.8	150	2.0	30.57														
22.8		145	2.1	61.32					CMG033	B5/B14	31.7					217	1.4	44.18	B5/B14			
	19.2	173	1.7	72.83	27.3	252	1.2	51.30														
	14.4	231	1.3	97.45								31.0	217	1.4	45.21							
	12.1	275	1.1	115.74	22.8	295	1.0	61.32														
	9.9	334	0.90	140.81								22.8	295	1.7	61.32							
	12.1	275	1.8	115.74	CMG043	B5/B14	19.2	350												1.4	72.83	CMG043
9.9		334	1.5	140.81					14.4	469	1.1	97.45										
8.0		413	1.2	174.26			12.1	557					0.90	115.74								
6.2	535	0.93	225.47	B5/B14	B5/B14	62			2.6	17.10	CMG012	B5/B14										

0.55

80A4 (1400 min ⁻¹)	367	13.8	4.4	3.82	CMG012	B5/B14	
	302	16.7	3.6	4.63			B5/B14
	246	20.5	2.9	5.69			B5/B14
	181	27.8	2.9	7.72			B5/B14
	153	33	2.4	9.17			B5/B14
	143	35	2.3	9.81			B5/B14
	118	43	2.3	11.90			B5/B14
	101	50	2.4	13.80			B5/B14
	95.7	53	2.3	14.62			B5/B14
	78.4	64	1.9	17.86			B5/B14
	70.6	71	1.7	19.83			B5/B14
	59.4	85	1.4	23.56			B5/B14
39.5	128	0.94	35.47	B5/B14			
81.9	62	2.6	17.10	CMG022	B5/B14		
	69.7	72	2.8			20.08	B5/B14
	58.7	86	2.3			23.85	B5/B14
	39.0	129	1.5			35.91	B5/B14
	30.1	167	1.2			46.46	B5/B14
	25.9	194	1.0			54.00	B5/B14

0.75


80B4 (1400 min ⁻¹)	367	18.8	3.2	3.82	CMG012	B5/B14				
	302	22.7	2.6	4.63			B5/B14			
	246	27.9	2.1	5.69			B5/B14			
	181	38	2.1	7.72			B5/B14			
	153	45	1.8	9.17			B5/B14			
	143	48	1.7	9.81			B5/B14			
	118	58	1.7	11.90			B5/B14			
	101	68	1.8	13.80			B5/B14			
	95.7	72	1.7	14.62			B5/B14			
	78.4	88	1.4	17.86			B5/B14			
	70.6	97	1.2	19.83			B5/B14			
	59.4	116	1.0	23.56			B5/B14			
116	59	3.4	12.05	CMG022	B5/B14					
	106	65	3.1			13.21	B5/B14			
	94.6	73	2.8			14.81	B5/B14			
	81.9	84	1.9			17.10	B5/B14			
	69.7	99	2.0			20.08	B5/B14			
	58.7	117	1.7			23.85	B5/B14			
	39.0	176	1.1			35.91	B5/B14			
	30.1	228	0.88			46.46	B5/B14			
	66.2	104	2.7			21.15	CMG032	B5/B14		
		45.8	150			2.0			30.57	B5/B14
		31.7	217			1.4			44.18	B5/B14
		27.3	252			1.2			51.30	B5/B14
31.0		217	1.4	45.21	CMG033	B5/B14				
		22.8	295	1.0					61.32	
	22.8	295	1.7	61.32			CMG043	B5/B14		
19.2		350	1.4	72.83						
14.4		469	1.1	97.45						
12.1	557	0.90	115.74	B5/B14						

0.92

80C4 (1400 min ⁻¹)	367	23.0	2.6	3.82	CMG012	B5/B14	
	302	27.9	2.2	4.63			B5/B14
	246	34	1.8	5.69			B5/B14
	181	46	1.7	7.72			B5/B14
	153	55	1.4	9.17			B5/B14
	143	59	1.4	9.81			B5/B14
	118	72	1.4	11.90			B5/B14
	101	83	1.4	13.80			B5/B14
	95.7	88	1.4	14.62			B5/B14
	78.4	108	1.1	17.86			B5/B14
	70.6	119	1.0	19.83			B5/B14

Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
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P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
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2.2

100LA4 (1400 min ⁻¹)	374	54	2.8	3.74	CMG032	B5/B14	
	311	65	2.3	4.50		B5/B14	
	255	79	1.9	5.48		B5/B14	
	222	91	2.0	6.31		B5/B14	
	177	114	1.6	7.93		B5/B14	
	154	131	1.4	9.08		B5/B14	
	128	157	1.1	10.93		B5/B14	
	111	182	1.4	12.60		B5/B14	
	105	192	1.3	13.30		B5/B14	
	91.5	220	1.3	15.30		B5/B14	
	76.9	262	1.1	18.21		B5/B14	
	72.8	277	1.0	19.24		B5/B14	
	66.2	305	0.92	21.15		B5/B14	
	105	192	1.8	13.30		CMG042	B5/B14
	91.5	220	1.9	15.30			B5/B14
	76.9	262	1.6	18.21			B5/B14
72.8	277	1.5	19.24	B5/B14			
45.8	440	1.1	30.57	B5/B14			

4.0

112M4 (1400 min ⁻¹)	374	98	1.5	3.74	CMG032	B5/B14	
	311	118	1.3	4.50		B5/B14	
	255	144	1.0	5.48		B5/B14	
	222	165	1.1	6.31		B5/B14	
	177	208	0.87	7.93		B5/B14	
	374	98	2.3	3.74		CMG042	B5/B14
	311	118	1.9	4.50			B5/B14
	255	144	1.6	5.48			B5/B14
	222	165	1.6	6.31			B5/B14
	177	208	1.3	7.93			B5/B14
	154	238	1.2	9.08			B5/B14
	128	286	0.98	10.93			B5/B14
	111	330	1.1	12.60			B5/B14
	105	348	1.0	13.30			B5/B14
	91.5	401	1.0	15.30			B5/B14
	76.9	477	0.88	18.21		B5/B14	
72.8	504	0.83	19.24	B5/B14			

3.0

100LB4 (1400 min ⁻¹)	374	74	2.0	3.74	CMG032	B5/B14	
	311	88	1.7	4.50		B5/B14	
	255	108	1.4	5.48		B5/B14	
	222	124	1.5	6.31		B5/B14	
	177	156	1.2	7.93		B5/B14	
	154	178	1.0	9.08		B5/B14	
	128	215	0.84	10.93		B5/B14	
	111	248	1.0	12.60		B5/B14	
	105	261	0.96	13.30		B5/B14	
	91.5	301	0.93	15.30		B5/B14	
	374	74	3.1	3.74		CMG042	B5/B14
	311	88	2.6	4.50			B5/B14
	255	108	2.1	5.48			B5/B14
	222	124	2.1	6.31			B5/B14
	177	156	1.7	7.93			B5/B14
	154	178	1.6	9.08			B5/B14
128	215	1.3	10.93	B5/B14			
111	248	1.4	12.60	B5/B14			
105	261	1.3	13.30	B5/B14			
91.5	301	1.4	15.30	B5/B14			
76.9	358	1.2	18.21	B5/B14			
72.8	378	1.1	19.24	B5/B14			
45.8	601	0.83	30.57	B5/B14			

4.8

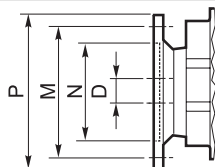
112MS4 (1400 min ⁻¹)	374	118	2.0	3.74	CMG042	B5/B14
	311	142	1.6	4.50		B5/B14
	255	172	1.3	5.48		B5/B14
	222	198	1.3	6.31		B5/B14
	177	249	1.0	7.93		B5/B14
	154	285	0.98	9.08		B5/B14
	128	343	0.82	10.93		B5/B14
	111	396	0.88	12.60		B5/B14

RIDUTTORI AD INGRANAGGI CILINDRICI HELICAL GEARBOXES

CMG

Motori applicabili

IEC Motor adapters



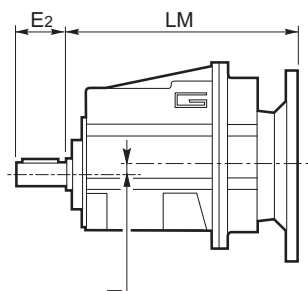
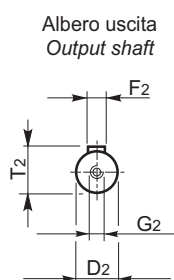
	IEC	N	M	P	D	i (rapporto / ratio)															
						3.82	4.63	5.69	7.72	9.17	9.81	11.90	13.80	14.62	17.86	19.83	23.56	35.47	45.89	53.33	
CMG012	90 B5	130	165	200	24																
	90 B14	95	115	140																	
	80 B5	130	165	200	19																
	80 B14	80	100	120																	
	71 B5	110	130	160	14	B															
	71 B14	70	85	105																	
63 B5	95	115	140	11	BS																
						46.61	55.36	63.22	75.08	89.17	113.05	134.27	173.72	202.16	261.57	304.00	393.33				
CMG013	90 B5	130	165	200	24																
	90 B14	95	115	140																	
	80 B5	130	165	200	19																
	80 B14	80	100	120																	
	71 B5	110	130	160	14	B															
	71 B14	70	85	105																	
63 B5	95	115	140	11	BS																
						3.66	4.43	5.45	7.39	8.78	9.93	12.05	13.21	14.81	17.10	20.08	23.85	35.91	46.46	54.00	
CMG022	90 B5	130	165	200	24																
	90 B14	95	115	140																	
	80 B5	130	165	200	19																
	80 B14	80	100	120																	
	71 B5	110	130	160	14	B															
	71 B14	70	85	105																	
63 B5	95	115	140	11	BS																
						47.19	54.05	64.01	76.02	90.29	114.46	135.95	175.89	204.69	264.84	307.80	398.25				
CMG023	90 B5	130	165	200	24																
	90 B14	95	115	140																	
	80 B5	130	165	200	19																
	80 B14	80	100	120																	
	71 B5	110	130	160	14	B															
	71 B14	70	85	105																	
63 B5	95	115	140	11	BS																
						3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	21.15	30.57	44.18	51.30
CMG032	100/112B5	180	215	250	28																
	100/112B14	110	130	160																	
	90 B5	130	165	200	24																
	90 B14	95	115	140																	
	80 B5	130	165	200	19	B															
	80 B14	80	100	120																	
71 B5	110	130	160	14	BS																
						3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	21.15	30.57	44.18	51.30
CMG042	100/112B5	180	215	250	28																
	100/112B14	110	130	160																	
	90 B5	130	165	200	24																
	90 B14	95	115	140																	
	80 B5	130	165	200	19	B															
	80 B14	80	100	120																	
71 B5	110	130	160	14	BS																
						45.21	61.32	72.83	97.45	115.74	140.81	174.26	225.47	262.05	325.79	378.64					
CMG033 CMG043	90 B5	130	165	200	24																
	90 B14	95	115	140																	
	80 B5	130	165	200	19																
	80 B14	80	100	120																	
	71 B5	110	130	160	14	B															
	71 B14	70	85	105																	
63 B5	95	115	140	11	BS																

CMG CMGIS	A	B	I	j	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					Peso / Weight [kg]	
							D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
012	124	93	6.5	62	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		112	43		268	260						(16)	(40)	(5)	(M6)	(18)	(25)	(50)
022	124	98	11.5	57	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48		278	270											8.7	8.4
032	156	118	5	92	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5		303	295											16	5
042	156	128	15	82	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5		316	308											16	5

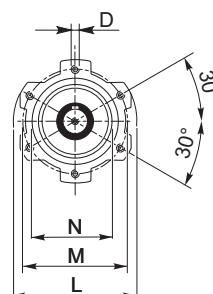
Versione U / U Version						
CMG CMGIS	H	K	L	M	N f7	O
012 013	8.5	13.5	95	76	60	n°4 M8x15
022 023	8.5	13.5	95	76	60	n°4 M8x15
032 033	9	15	127	110	90	n°6 M8x19
042 043	9	15	127	110	90	n°6 M8x19

CMG..U

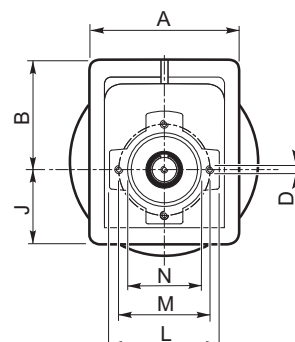
CMG..2 U



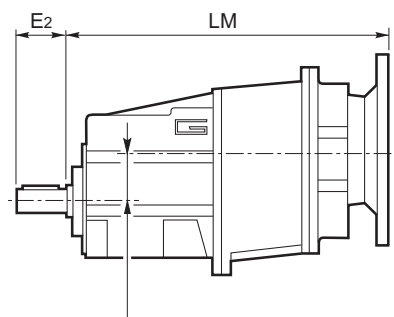
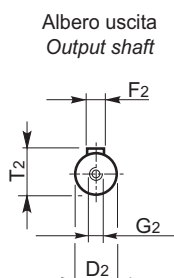
032-042



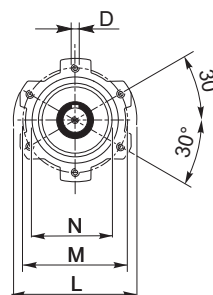
012-022



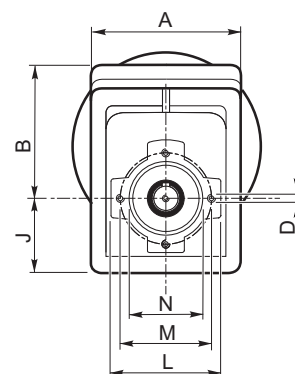
CMG..3 U



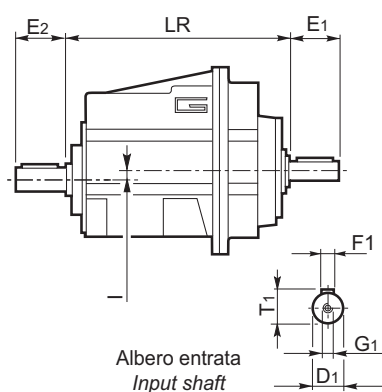
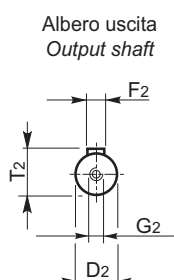
033-043



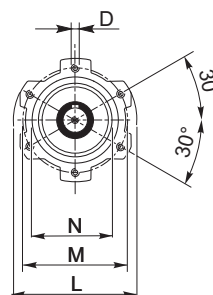
013-023



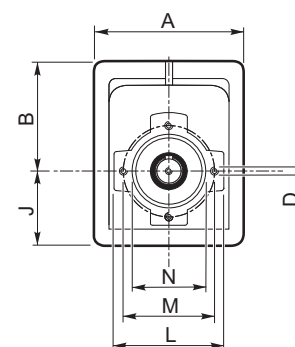
CMGIS..2 U



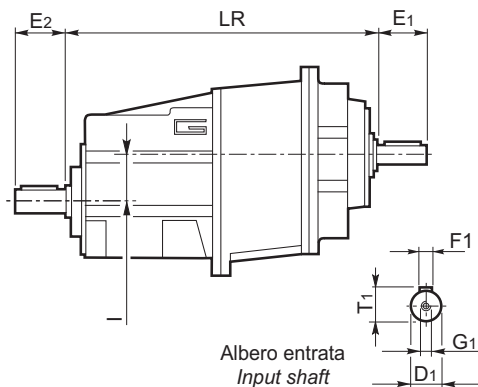
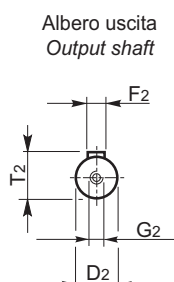
032-042



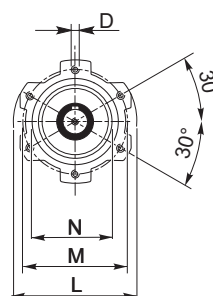
012-022



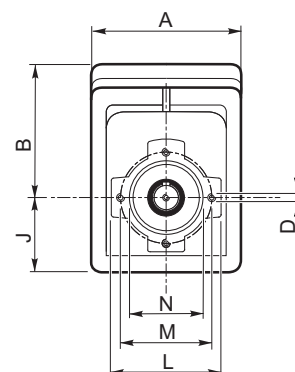
CMGIS..3 U



033-043



013-023



CMG CMGIS	A	B	I	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					Peso / Weight* [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
012	124	93	6.5	195	187	16	40	5	M6	18	20 (16) (25)	40 (40) (50)	6 (5) (8)	M6 (M6) (M8)	22.5 (18) (28)	5.3	5.0
013		112	43	268	260											7.8	7.5
022	124	98	11.5	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48	278	270											8.7	8.4
032	156	118	5	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5	303	295	16		5		18						13.6	13.3
042	156	128	15	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5	316	308	16		5		18						15.5	15.2

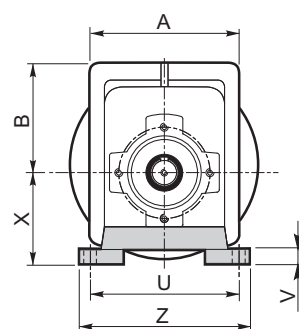
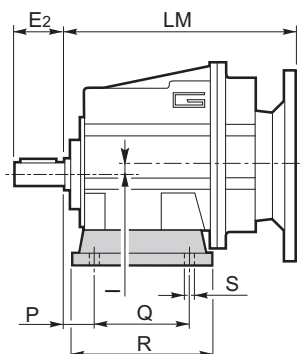
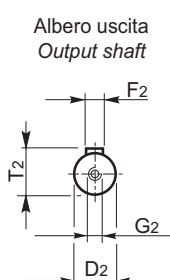
* Versione U / U Version

Versione H / H Version

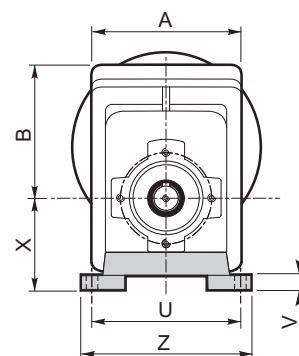
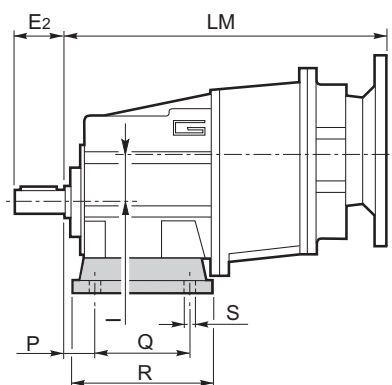
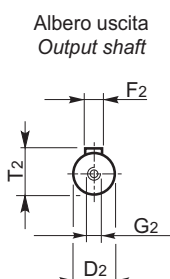
CMG CMGIS	P	Q	R	S	U	V	X	Z	Piede / Foot	
									Tipo / Type	Peso / Weight [kg]
012 013	18	80	118	9	110	12	75	140	H75	1.0
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	25	85	120	9	120	12	80	140	H80	1.1
	18	47.5 - 60	135	11	130	12	100	155	H100	1.7
022 023	18	80	118	9	110	12	75	140	H75	1.0
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	25	85	120	9	120	12	80	140	H80	1.1
	18	47.5 - 60	135	11	130	12	100	155	H100	1.7
032 033	30	165	195	14	135	14	115	170	H115	2.2
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	35	110	160	14	170	14	120	210	H120	2.6
042 043	30	165	195	14	135	14	115	170	H115	2.2
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	35	110	160	14	170	14	120	210	H120	2.6

CMG..H

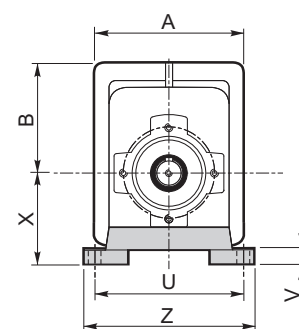
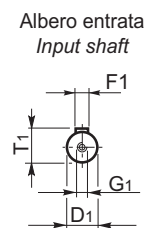
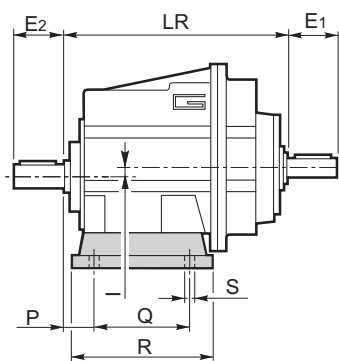
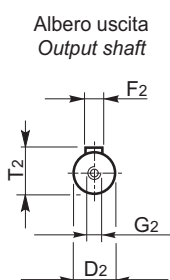
CMG..2 H..



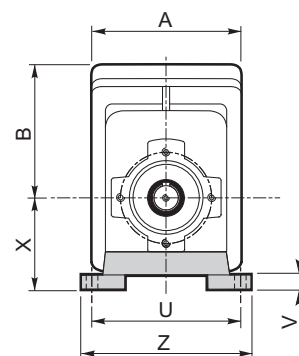
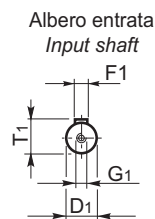
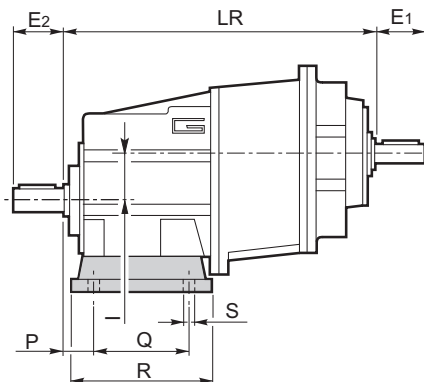
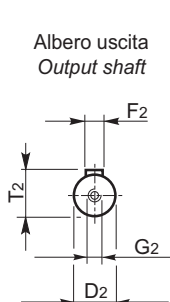
CMG..3 H..



CMGIS..2 H..



CMGIS..3 H..



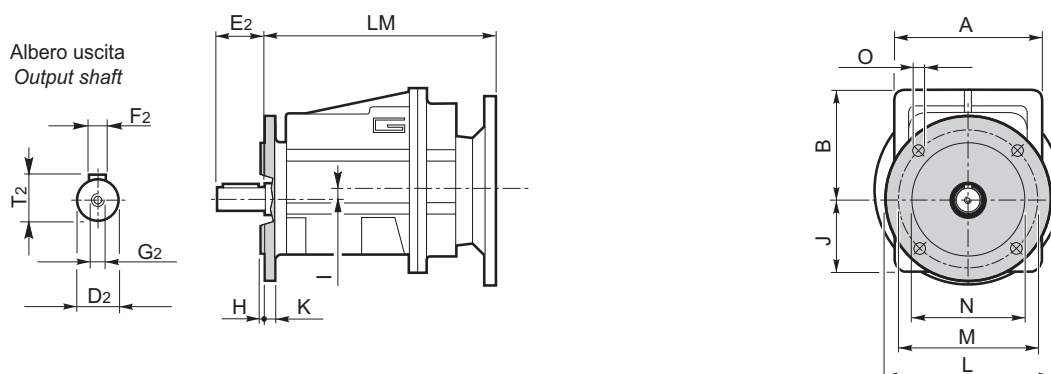
CMG CMGIS	A	B	I	j	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					Peso / Weight* [kg]	
							D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
012	124	93	6.5	62	195	187	16	40	5	M6	18	20 (16) (25)	40 (40) (50)	6 (5) (8)	M6 (M6) (M8)	22.5 (18) (28)	5.3	5.0
013		112	43		268	260											7.8	7.5
022	124	98	11.5	57	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48		278	270											8.7	8.4
032	156	118	5	92	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5		303	295											16	5
042	156	128	15	82	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5		316	308											16	5

* Versione U / U Version

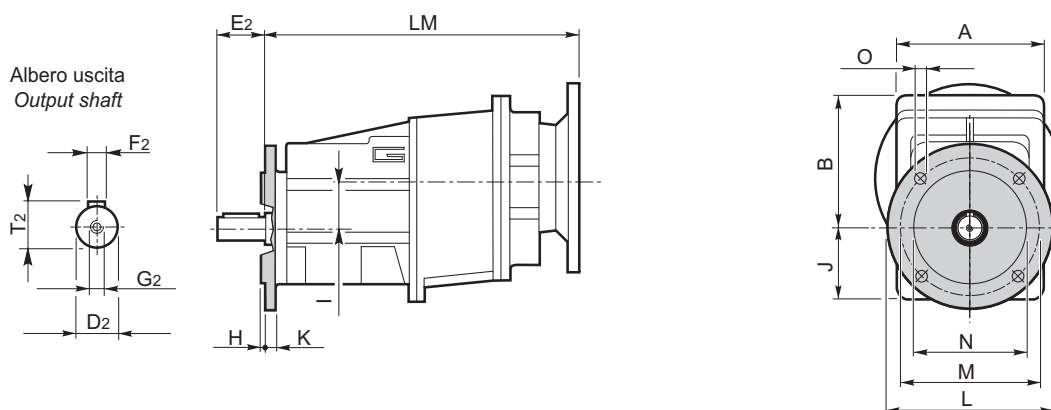
Versione F / F Version								
CMG CMGIS	H	K	L	M	N f7	O	Flangia / Flange	
							Tipo / Type	Peso / Weight [kg]
012 013	3	9	120	100	80	9	F120	0.5
	3.5	9	140	115	95	9	F140	0.8
	3.5	9	160	130	110	9	F160	1.1
022 023	3	9	120	100	80	9	F120	0.5
	3.5	9	140	115	95	9	F140	0.8
	3.5	9	160	130	110	9	F160	1.1
032 033	3.5	11	160	130	110	9	F160	1.0
	3.5	11	200	165	130	11	F200	1.8
042 043	3.5	11	160	130	110	9	F160	1.0
	3.5	11	200	165	130	11	F200	1.8

CMG..F

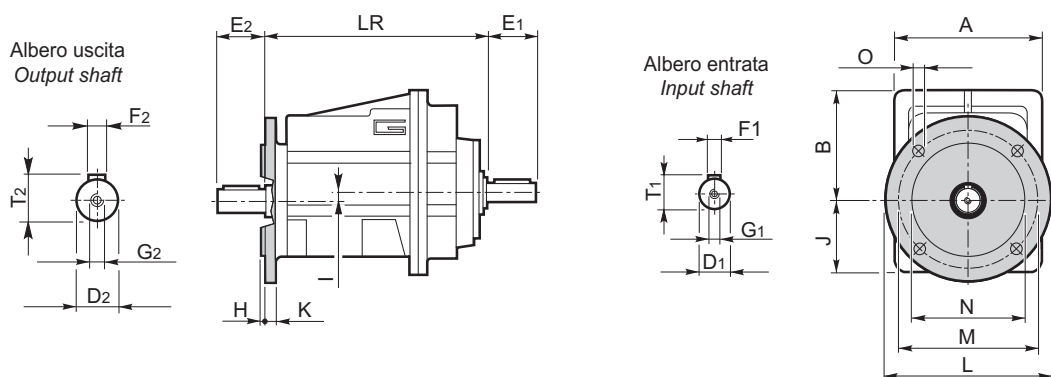
CMG..2 F..



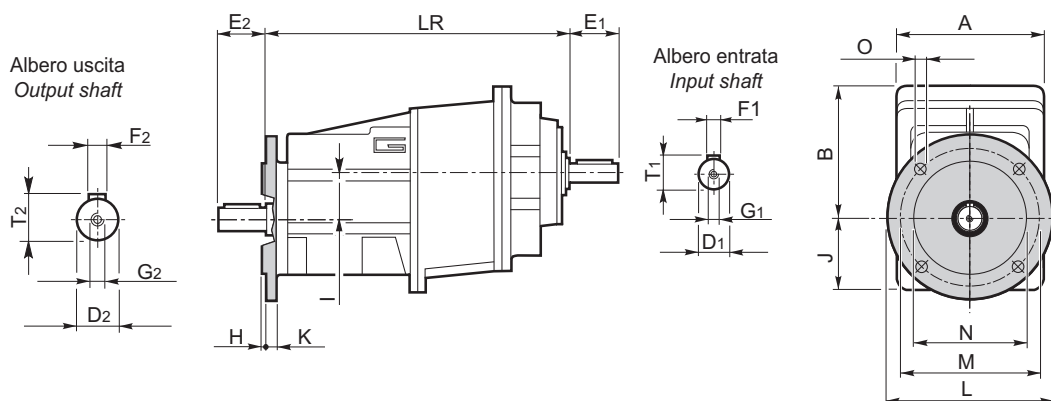
CMG..3 F..



CMGIS..2 F..



CMGIS..3 F..



CMG CMGIS	A	B	I	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					Peso / Weight* [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
012	124	93	6.5	195	187	16	40	5	M6	18	20 (16) (25)	40 (40) (50)	6 (5) (8)	M6 (M6) (M8)	22.5 (18) (28)	5.3	5.0
013		112	43	268	260											7.8	7.5
022	124	98	11.5	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48	278	270											8.7	8.4
032	156	118	5	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5	303	295	16		5		18						13.6	13.3
042	156	128	15	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5	316	308	16		5		18						15.5	15.2

* Versione U / U Version

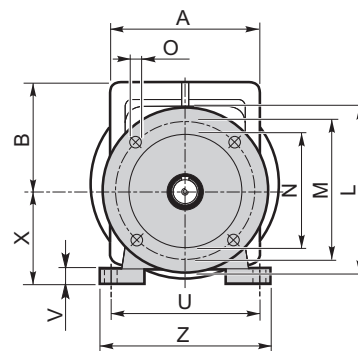
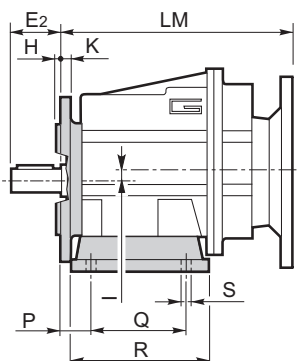
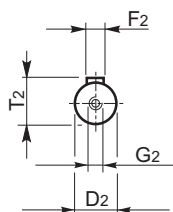
Versione H / H Version										
CMG CMGIS	P	Q	R	S	U	V	X	Z	Piede / Foot	
									Tipo / Type	Peso / Weight [kg]
012 013	18	80	118	9	110	12	75	140	H75	1.0
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	25	85	120	9	120	12	80	140	H80	1.1
	18	47.5 - 60	135	11	130	12	100	155	H100	1.7
022 023	18	80	118	9	110	12	75	140	H75	1.0
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	25	85	120	9	120	12	80	140	H80	1.1
	18	47.5 - 60	135	11	130	12	100	155	H100	1.7
032 033	30	165	195	14	135	14	115	170	H115	2.2
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	35	110	160	14	170	14	120	210	H120	2.6
042 043	30	165	195	14	135	14	115	170	H115	2.2
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	35	110	160	14	170	14	120	210	H120	2.6

Versione F / F Version									
CMG CMGIS	H	K	L	M	N f7	O	Flangia / Flange		
							Tipo / Type	Peso / Weight [kg]	
012 013	3	9	120	100	80	9	F120	0.5	
	3.5	9	140	115	95	9	F140	0.8	
	3.5	9	160	130	110	9	F160	1.1	
022 023	3	9	120	100	80	9	F120	0.5	
	3.5	9	140	115	95	9	F140	0.8	
	3.5	9	160	130	110	9	F160	1.1	
032 033	3.5	11	160	130	110	9	F160	1.0	
	3.5	11	200	165	130	11	F200	1.8	
042 043	3.5	11	160	130	110	9	F160	1.0	
	3.5	11	200	165	130	11	F200	1.8	

CMG..H../F..

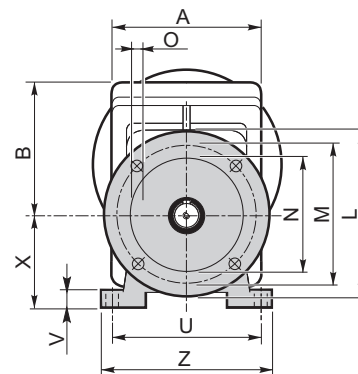
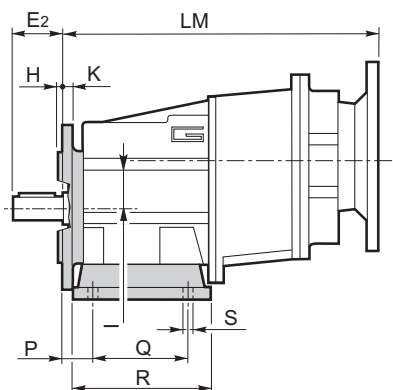
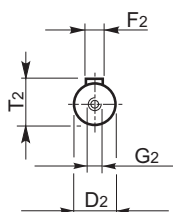
CMG..2 H../F..

Albero uscita
 Output shaft



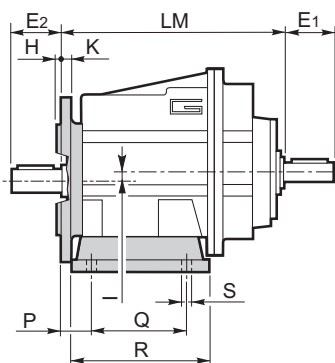
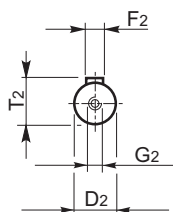
CMG..3 H../F..

Albero uscita
 Output shaft

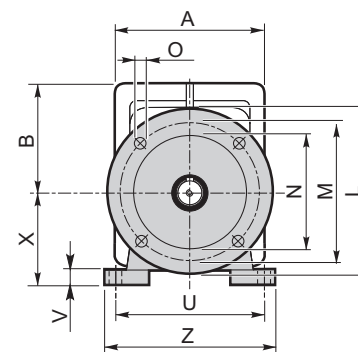
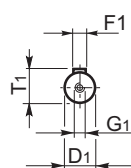


CMGIS..2 H../F..

Albero uscita
 Output shaft

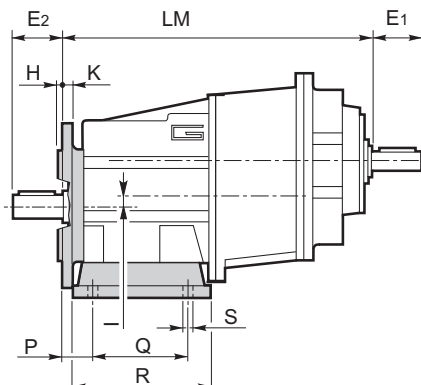
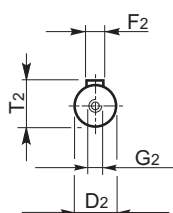


Albero entrata
 Input shaft



CMGIS..3 H../F..

Albero uscita
 Output shaft



Albero entrata
 Input shaft

