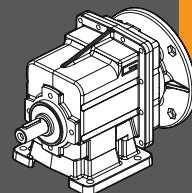


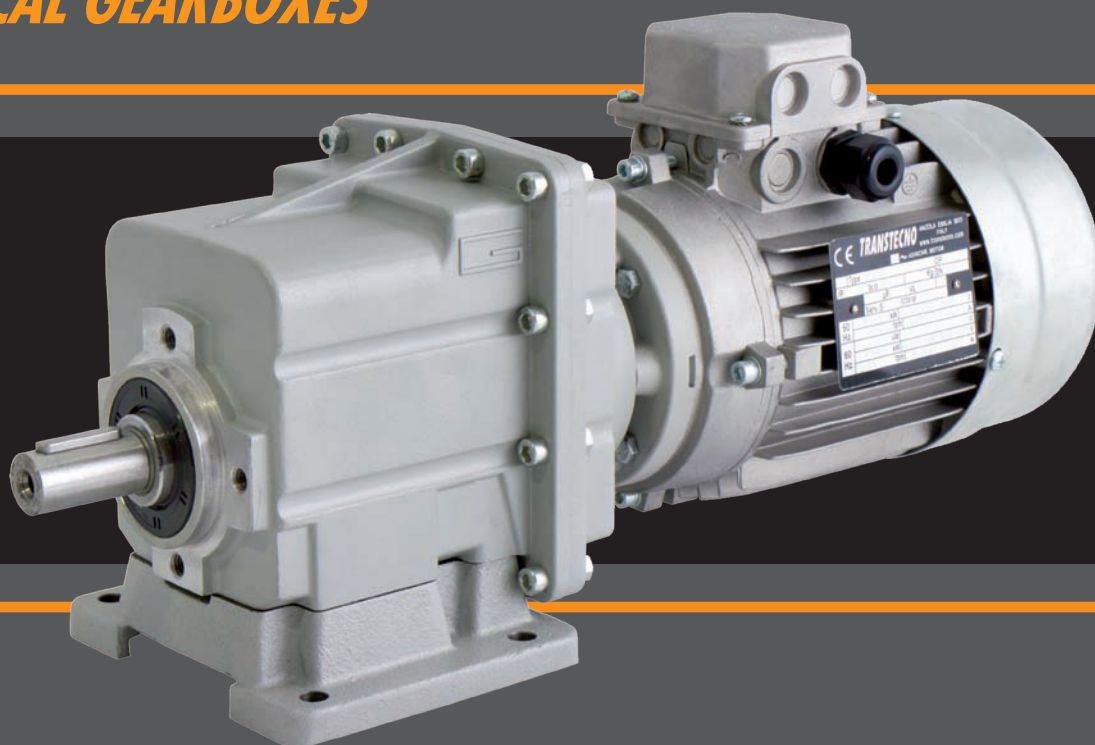
TRANSTECNO®
THE MODULAR GEARMOTOR

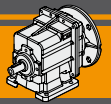
CMG

CMG



RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES

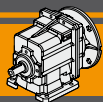




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*This section replaces any previous edition and revision. If you obtained this catalogue other than through controlled distribution channels, the most up to date content is not guaranteed. **In this case the latest version is available on our web site www.transtecno.com***

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Caratteristiche tecniche**

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, con flangia o piede.

Caratteristiche comuni a tutta la serie:

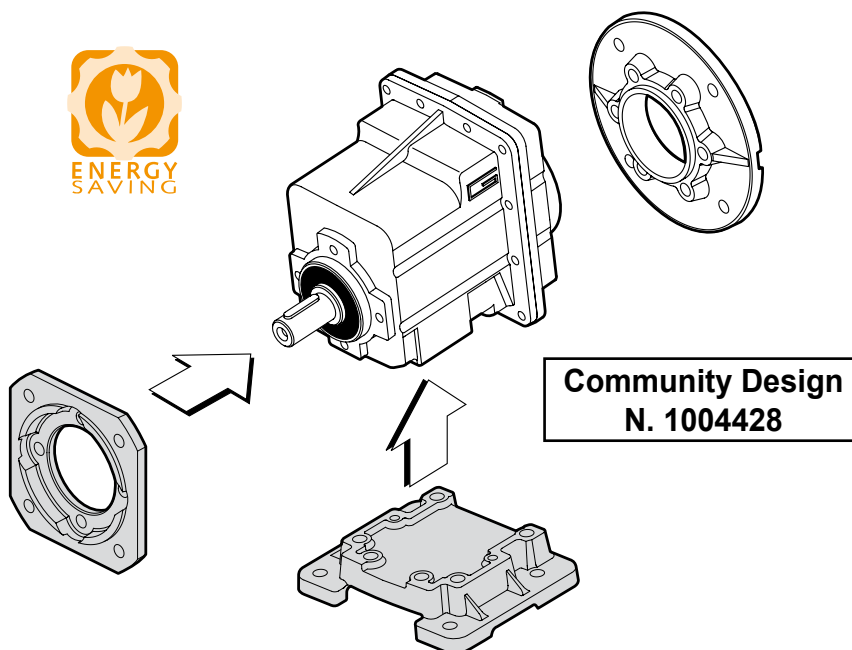
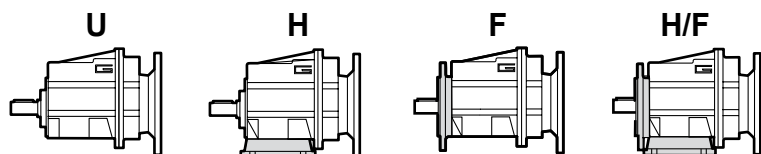
- Carcassa e flangia PAM in pressofusione di alluminio per le taglie 00, 01, 02, 03 e 04. La taglia 05 è costruita in ghisa;
- Piedi e flange d'uscita in ghisa;
- Ingranaggi sempre rettificati;
- Lubrificazione permanente con olio sintetico.

Technical features

The high degree of modularity is a design feature of CMG helical gearboxes range. It is possible to set up the version required using flanges or feet.

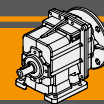
The main features of CMG range are:

- *Die-cast aluminum housings and input flanges for sizes 00, 01, 02, 03 and 04. Cast iron housing on size 05;*
- *Cast iron feet and output flanges;*
- *Ground-hardened helical gears;*
- *Permanent synthetic oil long-life lubrication.*

**Designazione****Classification**

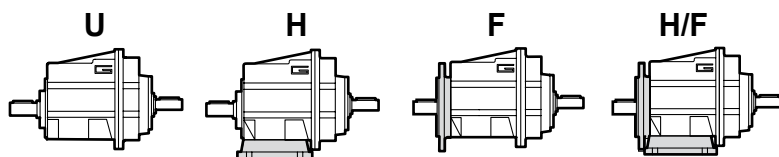
RIDUTTORE / GEARBOX

CMG	01	2	H65	9.81	D20	71	B14	B3
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	IEC 	Forma costruttiva Version	Pos. di montaggio Mounting position
CMG	00 01 02 03 04 05	2 3	U... H... F... H.../F...	vedi tabelle see tables	vedi tabelle see tables	56.. — 112..	B5 B14	B3-B5 B8 B6 B7 V5-V1 V6-V3



Designazione

Classification



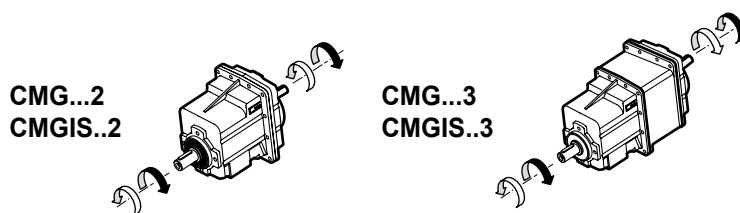
CMG

RIDUTTORE / GEARBOX						
CMGIS	01	2	U	9.81	D20	B3
Tipo Type	Grandezza Size	Stadi Stages	Versione Version	Rapporto Ratio	Albero uscita Output shaft	Pos. di montaggio Mounting position
CMGIS	01 02 03 04 05	2 3	U... H... F... H.../F...	vedi tabelle see tables	vedi tabelle see tables	B3-B5 B8 B6 B7 V5-V1 V6-V3

MOTORE / MOTOR				
0.75kW	4p	3ph	50Hz	T1
Potenza Power	Poli Poles	Fasi Phases	Frequenza Frequency	Pos. morsettiera Terminal box pos.
vedi tabelle see tables	2p 4p 6p 8p	1ph 3ph	50Hz 60Hz	T1 (Std) T4 T2 T3

Sensi di rotazione

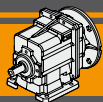
Direction of rotation



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_2	[Nm]	Coppia nominale in uscita in funzione di P_1 / <i>Output torque referred to P_1</i>
P_{n1}	[kW]	Potenza nominale in entrata / <i>Nominal input power</i>
M_{n2}	[Nm]	Coppia nominale in uscita in funzione di P_{n1} / <i>Nominal output torque referred to P_{n1}</i>
sf		Fattore di servizio / <i>Service factor</i>
R_2	[N]	Carico radiale ammissibile in uscita / <i>Permitted output radial load</i>
A_2	[N]	Carico assiale ammissibile in uscita / <i>Permitted output axial load</i>

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Lubrificazione**

Tutti i riduttori nelle taglie 00, 01, 02, 03 e 04 sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione. Per la taglia 05 la lubrificazione dipende dalla posizione di montaggio.

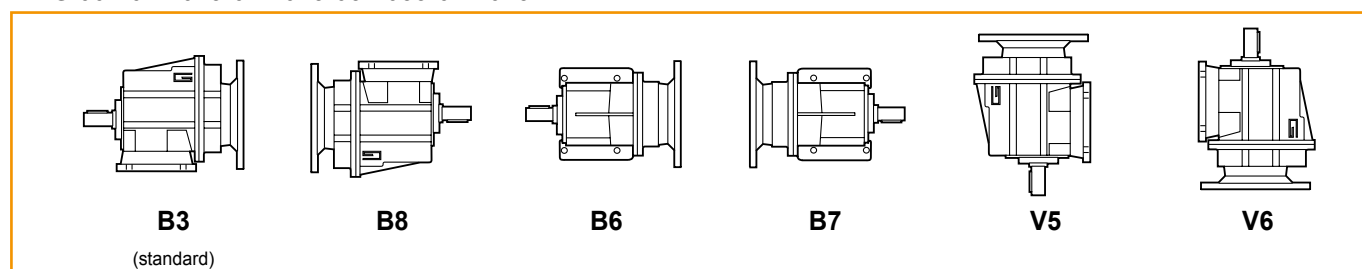
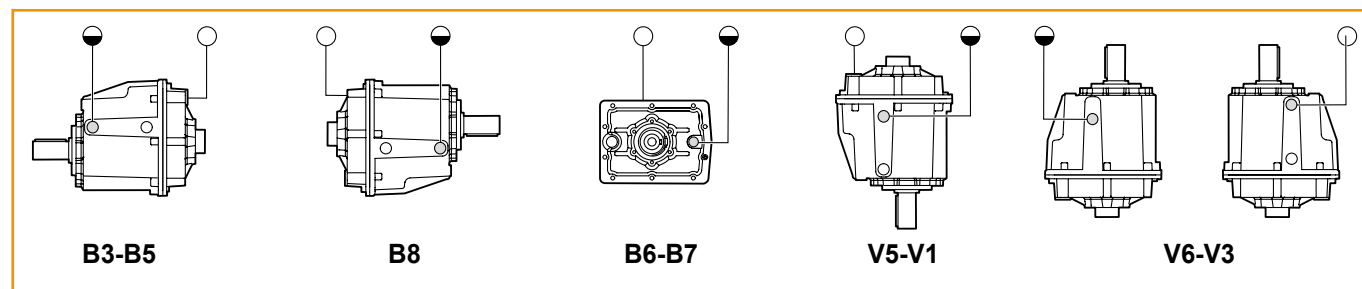
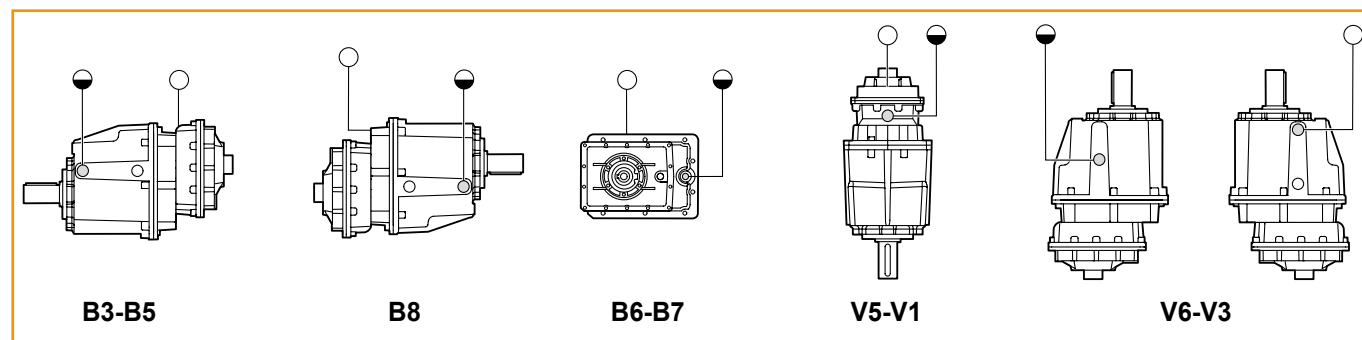
Lubrication

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use sizes 00, 01, 02, 03 and 04 in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance. For size 05 lubrication depends on assembly position.

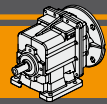
CMG CMGIS	Quantità di olio (litri) / Oil quantity (litres)					
	B3	B8	B6	B7	V5	V6
002				0.18		
012				0.32		
013				0.94		
022				0.32		
023				0.94		
032				0.7		
033				1.8		
042				0.7		
043				1.8		
052	2.6	2	2.3	2.3	2.6	3.3
053	3.2	2.6	2.9	2.9	4.9	4.7

 Lubrificati a vita
Life lubrication

Posizioni di montaggio / Mounting positions

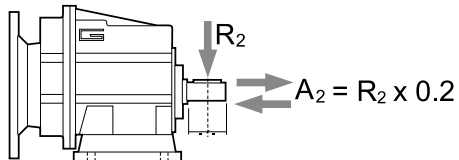
CMG 002-012-013-022-023-032-033-042-043**CMG 052****CMG 053**

○ Sfiato e tappo di riempimento / Breather and filling plug
 ● Livello olio / Oil level plug



Carichi radiali

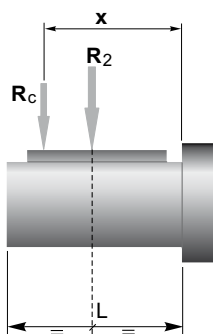
Radial loads



n_2 [min ⁻¹]	R_2 [N]					
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04	CMG 05
700	416	764	1529	1987	2379	3556
600	437	805	1609	2092	2504	3744
500	465	855	1710	2223	2661	3979
400	501	921	1842	2395	2866	4286
250	586	1077	2154	2801	3353	5013
180	653	1323	2554	3321	3897	5853
150	748	1406	2714	3529	4244	6392
120	806	1631	3467	3801	4572	7388
100	958	1842	3684	4507	5234	7851
80	1032	1984	3969	5042	5991	8963
60	1136	2184	4368	5549	6594	10483
40	1300	2500	5000	6500	8000	12000
10	1300	2500	5000	6500	8000	12000

Quando il carico radiale risultante non è applicato sulla mezza-
 ria dell'albero occorre calcolare quello effettivo con la seguente
 formula:

*When the resulting radial load is not applied on the centre line
 of the shaft it is necessary to calculate the effective load with the
 following formula:*

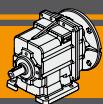


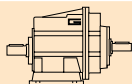
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04	CMG 05
a	73	104	117	132	150	180
b	53	84	92	102	115	140
R_{2MAX}	1300	2500	5000	6500	8000	12000

$$R_c = \frac{R_2 \cdot a}{(b + x)} \leq R_{2MAX}$$

$$R \leq R_c$$

a, b = valori riportati nella tabella
a, b = values given in the table

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dati tecnici** **n_1 1400 min⁻¹****Technical data**

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
---	---	----------------------------------	----------------------------------	----------

CMGIS 002

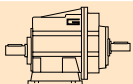
279	40	1.2	5.03
230	40	1.0	6.10
187	40	0.82	7.49
156	50	0.85	8.99
138	50	0.75	10.16
116	50	0.63	12.07
105	70	0.80	13.40
92.5	70	0.71	15.14
77.1	70	0.59	18.17
64.9	70	0.50	21.58
59.6	70	0.45	23.51
55.8	70	0.43	25.10
51.7	70	0.39	27.08
43.1	70	0.33	32.49
33.3	70	0.25	42.04
31.2	70	0.24	44.89
28.7	70	0.22	48.86

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
122	100	1.3	11.50
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
73.4	120	1.0	19.07
70.6	120	0.9	19.83
59.4	120	0.8	23.56
47.4	120	0.6	29.56
39.5	120	0.5	35.47
30.5	120	0.4	45.89
28.6	120	0.4	49.00
26.3	120	0.3	53.33

CMGIS 013

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

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
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CMGIS 022

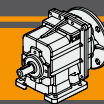
383	100	4.2	3.66
316	100	3.4	4.43
257	100	2.8	5.45
190	120	2.5	7.39
159	120	2.1	8.78
141	120	1.8	9.93
127	200	2.8	11.01
116	200	2.5	12.05
106	200	2.3	13.21
94.6	200	2.1	14.81
81.9	160	1.4	17.10
76.7	160	1.3	18.26
69.7	200	1.5	20.08
58.7	200	1.3	23.85
46.8	200	1.0	29.93
39.0	200	0.9	35.91
30.1	200	0.7	46.46
28.2	200	0.6	49.61
25.9	200	0.6	54.00

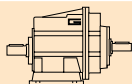
CMGIS 023

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 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
177	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
56.0	300	1.8	24.99
45.8	300	1.5	30.57
40.9	300	1.3	34.20
36.2	300	1.2	38.63
31.7	300	1.0	44.18
27.3	300	0.9	51.30
23.0	300	0.8	60.80


Dati tecnici
 n_1 1400 min⁻¹
Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
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CMGIS 033

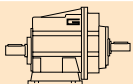
19.2	300	0.64	72.83
14.4	300	0.48	97.45
12.1	300	0.40	115.74
9.9	300	0.33	140.81
8.0	300	0.27	174.26
6.2	300	0.21	225.47
5.3	300	0.18	262.05
4.3	300	0.14	325.79
3.7	300	0.12	378.64

CMGIS 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
177	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
56.0	500	3.1	24.99
45.8	500	2.5	30.57
40.9	500	2.2	34.20
36.2	500	2.0	38.63
31.7	500	1.7	44.18
27.3	500	1.5	51.30
23.0	480	1.2	60.80

CMGIS 043

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

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
---	---	----------------------------------	----------------------------------	-----------------------

CMGIS 052

371	410	16.6	3.78
292	410	13.0	4.80
241	410	10.8	5.82
210	470	10.7	6.68
167	470	8.6	8.37
153	510	8.5	9.16
141	510	7.9	9.90
120	630	8.3	11.64
106	630	7.3	13.25
99.2	750	8.1	14.11
86.4	750	7.1	16.20
68.9	750	5.6	20.31
58.3	900	5.7	24.02
43.6	900	4.3	32.13
30.2	900	3.0	46.31
26.1	900	2.6	53.74

CMGIS 053

21.7	900	2.18	64.48
18.7	900	1.87	74.96
17.3	900	1.73	81.07
16.2	900	1.63	86.24
12.9	900	1.29	108.43
10.9	900	1.09	128.84
8.1	900	0.81	172.32
7.5	900	0.75	186.17
6.5	900	0.65	216.19
5.6	900	0.56	248.99
4.8	900	0.49	289.15

Nota:
 Pn_1 è la potenza meccanica.

La potenza applicabile è ridotta del fattore termico.

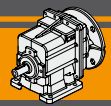
Per maggiori dettagli consultare il nostro Servizio Tecnico.

Note:
 Pn_1 is an input mechanical power which must be reduced by the heating factor in order to get the relevant one. For more details please contact our Technical Service.



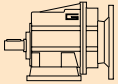
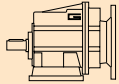
Technical data

[illegible]

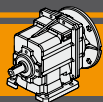


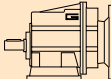
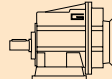
Dati tecnici

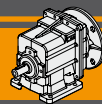
Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.18							0.25						
63B4 (1400 min ⁻¹)	78.4	21	5.7	17.86	CMG012	B5	71A4 (1400 min ⁻¹)	367	6	9.6	3.82	CMG012	B5/B14
	73.4	22	5.3	19.07		B5		302	8	7.9	4.63		B5/B14
	70.6	23	5.1	19.83		B5		246	9	6.4	5.69		B5/B14
	59.4	28	4.3	23.56		B5		181	13	6.3	7.72		B5/B14
	47.4	35	3.4	29.56		B5		153	15	5.3	9.17		B5/B14
	39.5	42	2.9	35.47		B5		143	16	5.0	9.81		B5/B14
	30.5	54	2.2	45.89		B5		122	19	5.3	11.50		B5/B14
	28.6	58	2.1	49.00		B5		118	19	5.1	11.90		B5/B14
	26.3	63	1.9	53.33		B5		101	23	5.3	13.80		B5/B14
								95.7	24	5.0	14.62		B5/B14
	22.1	73	1.6	63.22	CMG013	B5		78.4	29	4.1	17.86		B5/B14
	18.6	87	1.4	75.08		B5		73.4	31	3.8	19.07		B5/B14
	15.7	103	1.2	89.17		B5		70.6	32	3.7	19.83		B5/B14
	12.4	130	0.9	113.05		B5		59.4	39	3.1	23.56		B5/B14
								47.4	48	2.5	29.56		B5/B14
	21.9	74	2.7	64.01	CMG023	B5		39.5	58	2.1	35.47		B5/B14
	18.4	88	2.3	76.02		B5		30.5	75	1.6	45.89		B5/B14
	15.5	104	1.9	90.29		B5		28.6	80	1.5	49.00		B5/B14
	12.2	132	1.5	114.46		B5		26.3	87	1.4	53.33		B5/B14
	10.3	157	1.3	135.95		B5							
	8.0	203	1.0	175.89		B5		22.1	101	1.2	63.22	CMG013	B5/B14
	6.8	236	0.8	204.69		B5		18.6	120	1.0	75.08		B5/B14
								15.7	143	0.8	89.17		B5/B14
	19.2	84	3.6	72.83	CMG033	B5						CMG022	B5/B14
	14.4	112	2.7	97.45		B5		383	6	16.7	3.66		B5/B14
	12.1	134	2.2	115.74		B5		316	7	13.8	4.43		B5/B14
	9.9	163	1.8	140.81		B5		257	9	11.2	5.45		B5/B14
	8.0	201	1.5	174.26		B5		189	12	9.9	7.39		B5/B14
	6.2	260	1.2	225.47		B5		160	14	8.4	8.78		B5/B14
	5.3	302	1.0	262.05		B5		141	16	7.4	9.93		B5/B14
								127	18	11.1	11.01		B5/B14
	19.2	84	5.9	72.83	CMG043	B5		116	20	10.1	12.05		B5/B14
	14.4	112	4.4	97.45		B5		106	22	9.2	13.21		B5/B14
	12.1	134	3.7	115.74		B5		94.6	24	8.3	14.81		B5/B14
	9.9	163	3.1	140.81		B5		81.9	28	5.7	17.10		B5/B14
	8.0	201	2.5	174.26		B5		76.7	30	5.4	18.26		B5/B14
	6.2	260	1.9	225.47		B5		69.7	33	6.1	20.08		B5/B14
	5.3	302	1.7	262.05		B5		58.7	39	5.1	23.85		B5/B14
	4.3	376	1.3	325.79		B5		46.8	49	4.1	29.93		B5/B14
	3.7	437	1.1	378.64		B5		39.0	59	3.4	35.91		B5/B14
								30.1	76	2.6	46.46		B5/B14
								28.2	81	2.5	49.61		B5/B14
								25.9	88	2.3	54.00		B5/B14
								21.9	103	1.9	64.01	CMG023	B5/B14
								18.4	122	1.6	76.02		B5/B14
								15.5	145	1.4	90.29		B5/B14
								12.2	183	1.1	114.46		B5/B14
								10.3	218	0.9	135.95		B5/B14
								31.7	72	4.1	44.18	CMG032	B5
								27.3	84	3.6	51.30		B5
								19.2	117	2.6	72.83	CMG033	B5/B14
								14.4	156	1.9	97.45		B5/B14
								12.1	186	1.6	115.74		B5/B14
								9.9	226	1.3	140.81		B5/B14
								8.0	279	1.1	174.26		B5/B14
								6.2	361	0.8	225.47		B5/B14

CMG

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dati tecnici****Technical data**

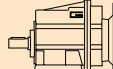
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.25							0.37						
71A4 (1400 min ⁻¹)	19.2	117	4.3	72.83	CMG043	B5/B14	71B4 (1400 min ⁻¹)	383	9	11.3	3.66	CMG022	B5/B14
	14.4	156	3.2	97.45		B5/B14		316	11	9.3	4.43		B5/B14
	12.1	186	2.7	115.74		B5/B14		257	13	7.6	5.45		B5/B14
	9.9	226	2.2	140.81		B5/B14		189	18	6.7	7.39		B5/B14
	8.0	279	1.8	174.26		B5/B14		160	21	5.6	8.78		B5/B14
	6.2	361	1.4	225.47		B5/B14		141	24	5.0	9.93		B5/B14
	5.3	420	1.2	262.05		B5/B14		127	27	7.5	11.01		B5/B14
	4.3	522	1.0	325.79		B5/B14		116	29	6.8	12.05		B5
	3.7	607	0.8	378.64		B5/B14		106	32	6.2	13.21		B5
					CMG053			94.6	36	5.6	14.81	B5/B14	
	21.7	103	8.7	64.48		B5		81.9	41	3.9	17.10	B5/B14	
	18.7	120	7.5	74.96		B5		76.7	44	3.6	18.26	B5/B14	
	17.3	130	6.9	81.07		B5		69.7	49	4.1	20.08	B5/B14	
	16.2	138	6.5	86.24		B5		58.7	58	3.5	23.85	B5/B14	
	12.9	174	5.2	108.43		B5		46.8	73	2.8	29.93	B5/B14	
	10.9	207	4.4	128.84		B5		39.0	87	2.3	35.91	B5/B14	
	8.1	276	3.3	172.32		B5		30.1	113	1.8	46.46	B5/B14	
	7.5	298	3.0	186.17		B5		28.2	120	1.7	49.61	B5/B14	
	6.5	347	2.6	216.19		B5		25.9	131	1.5	54.00	B5/B14	
	5.6	399	2.3	248.99		B5							
	4.8	464	1.9	289.15		B5		21.9	152	1.3	64.01	CMG023	B5/B14
								18.4	180	1.1	76.02	B5/B14	
								15.5	214	0.9	90.29	B5/B14	
0.37													
71B4 (1400 min ⁻¹)	279	12	3.3	5.03	CMG002	B5/B14	71B4 (1400 min ⁻¹)	374	9	16.5	3.74	CMG032	B5
	230	15	2.7	6.10		B5/B14		311	11	13.7	4.50		B5
	187	18	2.2	7.49		B5/B14		255	13	11.3	5.48		B5
	156	22	2.3	8.99		B5/B14		222	15	11.8	6.31		B5
	138	25	2.0	10.16		B5/B14		177	19	9.4	7.93		B5
	116	29	1.7	12.07		B5/B14		154	22	8.2	9.08		B5
	105	32	2.2	13.40		B5/B14		128	26	6.8	10.93		B5
	92.5	37	1.9	15.14		B5/B14		111	31	8.2	12.60		B5
	77.1	44	1.6	18.17		B5/B14		105	32	7.8	13.30		B5
	64.9	52	1.3	21.58		B5/B14		91.5	37	7.6	15.30		B5
	59.6	57	1.2	23.51		B5/B14		76.9	44	6.3	18.21		B5
	55.8	61	1.2	25.10		B5/B14		72.8	47	6.0	19.24		B5
	51.7	66	1.1	27.08		B5/B14		66.2	51	5.5	21.15		B5
	43.1	79	0.9	32.49		B5/B14		56.0	61	5.0	24.99		B5
					CMG012			45.8	74	4.0	30.57		B5
	367	9	6.5	3.82		B5/B14		40.9	83	3.6	34.20		B5
	302	11	5.3	4.63		B5/B14		36.2	94	3.2	38.63		B5
	246	14	4.4	5.69		B5/B14		31.7	107	2.8	44.18		B5
	181	19	4.3	7.72		B5/B14		27.3	124	2.4	51.30		B5
	153	22	3.6	9.17		B5/B14		23.0	147	2.0	60.80		B5
	143	24	3.4	9.81		B5/B14						CMG033	
	122	28	3.6	11.50		B5/B14		19.2	173	1.7	72.83		B5/B14
	118	29	3.5	11.90		B5/B14		14.4	231	1.3	97.45		B5/B14
	101	33	3.6	13.80		B5/B14		12.1	275	1.1	115.74		B5/B14
	95.7	35	3.4	14.62		B5/B14		9.9	334	0.9	140.81		B5/B14
	78.4	43	2.8	17.86		B5/B14						CMG043	
	73.4	46	2.6	19.07		B5/B14		19.2	173	2.9	72.83		B5/B14
	70.6	48	2.5	19.83		B5/B14		14.4	231	2.2	97.45		B5/B14
	59.4	57	2.1	23.56		B5/B14		12.1	275	1.8	115.74		B5/B14
	47.4	72	1.7	29.56		B5/B14		9.9	334	1.5	140.81		B5/B14
	39.5	86	1.4	35.47		B5/B14		8.0	413	1.2	174.26		B5/B14
	30.5	111	1.1	45.89		B5/B14		6.2	535	0.9	225.47		B5/B14
	28.6	119	1.0	49.00		B5/B14							
	26.3	129	0.9	53.33		B5/B14							
					CMG013								
	22.1	150	0.8	63.22		B5/B14							



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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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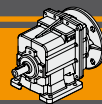
71B4 (1400 min ⁻¹)	21.7	153	5.9	64.48	CMG053	B5
	18.7	178	5.1	74.96		B5
	17.3	192	4.7	81.07		B5
	16.2	205	4.4	86.24		B5
	12.9	257	3.5	108.43		B5
	10.9	306	2.9	128.84		B5
	8.1	409	2.2	172.32		B5
	7.5	442	2.0	186.17		B5
	6.5	513	1.8	216.19		B5
	5.6	591	1.5	248.99		B5
	4.8	686	1.3	289.15		B5

0.55

80A4 (1400 min ⁻¹)	21.9	226	0.9	64.01	CMG023	B5/B14
	374	13	11.1	3.74	CMG032	B5/B14
	311	16	9.2	4.50		B5/B14
	255	20	7.6	5.48		B5/B14
	222	23	7.9	6.31		B5/B14
	177	29	6.3	7.93		B5/B14
	154	33	5.5	9.08		B5/B14
	128	39	4.6	10.93		B5/B14
	111	45	5.5	12.60		B5/B14
	105	48	5.2	13.30		B5/B14
	91.5	55	5.1	15.30		B5/B14
	76.9	66	4.3	18.21	CMG033	B5/B14
	72.8	69	4.0	19.24		B5/B14
	66.2	76	3.7	21.15		B5/B14
	56.0	90	3.3	24.99		B5/B14
	45.8	110	2.7	30.57		B5/B14
	40.9	123	2.4	34.20		B5/B14
	36.2	139	2.2	38.63		B5/B14
	31.7	159	1.9	44.18		B5/B14
	27.3	185	1.6	51.30		B5/B14
	23.0	219	1.4	60.80		B5/B14
	19.2	257	1.2	72.83	CMG042	B5/B14
	14.4	344	0.9	97.45		B5/B14
	23.0	219	2.2	60.80	CMG043	B5/B14
	19.2	257	1.9	72.83		B5/B14
	14.4	344	1.5	97.45		B5/B14
	12.1	408	1.2	115.74		B5/B14
	9.9	497	1.0	140.81		B5/B14
	9.9	497	1.0	140.81		B5/B14
	8.0	615	0.8	174.26		B5/B14
	26.1	194	4.6	53.74	CMG052	B5/B14
	21.7	227	4.0	64.48		B5/B14
	18.7	264	3.4	74.96		B5/B14
	17.3	286	3.1	81.07		B5/B14
	17.3	286	3.1	81.07		B5/B14
	16.2	304	3.0	86.24		B5/B14
	12.9	382	2.4	108.43		B5/B14
	10.9	454	2.0	128.84		B5/B14
	8.1	608	1.5	172.32		B5/B14
	7.5	657	1.4	186.17	CMG053	B5/B14
	6.5	762	1.2	216.19		B5/B14
	5.6	878	1.0	248.99		B5/B14
	4.8	1020	0.9	289.15		B5/B14

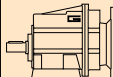
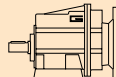
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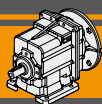
80A4 (1400 min ⁻¹)	279	18	2.2	5.03	CMG002	B5/B14
	230	22	1.8	6.10		B5/B14
	187	27	1.5	7.49		B5/B14
	156	32	1.5	8.99		B5/B14
	138	37	1.4	10.16		B5/B14
	116	43	1.2	12.07		B5/B14
	105	48	1.5	13.40		B5/B14
	92.5	55	1.3	15.14		B5/B14
	77.1	65	1.1	18.17		B5/B14
	64.9	78	0.9	21.58		B5/B14
	59.6	85	0.8	23.51	CMG012	B5/B14
	367	14	4.4	3.82		B5/B14
	302	17	3.6	4.63		B5/B14
	246	20	2.9	5.69		B5/B14
	181	28	2.9	7.72		B5/B14
	153	33	2.4	9.17		B5/B14
	143	35	2.3	9.81		B5/B14
	122	41	2.4	11.50		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	CMG022	B5/B14
	78.4	64	1.9	17.86		B5/B14
	73.4	69	1.7	19.07		B5/B14
	70.6	71	1.7	19.83		B5/B14
	59.4	85	1.4	23.56		B5/B14
	47.4	106	1.1	29.56		B5/B14
	39.5	128	0.9	35.47		B5/B14
	383	13	7.6	3.66		B5/B14
	316	16	6.3	4.43		B5/B14
	257	20	5.1	5.45		B5/B14
	189	27	4.5	7.39	CMG022	B5/B14
	160	32	3.8	8.78		B5/B14
	141	36	3.4	9.93		B5/B14
	127	40	5.0	11.01		B5/B14
	116	43	4.6	12.05		B5/B14
	106	48	4.2	13.21		B5/B14
	94.6	53	3.8	14.81		B5/B14
	81.9	62	2.6	17.10		B5/B14
	76.7	66	2.4	18.26		B5/B14
	69.7	72	2.8	20.08		B5/B14
	58.7	86	2.3	23.85	CMG022	B5/B14
	46.8	108	1.9	29.93		B5/B14
	39.0	129	1.5	35.91		B5/B14
	30.1	167	1.2	46.46		B5/B14
	28.2	179	1.1	49.61		B5/B14
	25.9	194	1.0	54.00		B5/B14



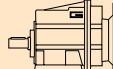
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Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			
1.1							1.5							
90S4 (1400 min ⁻¹)	374	27	5.6	3.74	CMG032	B5/B14	90L4 (1400 min ⁻¹)	367	38	1.6	3.82	CMG012	B5/B14	
	311	32	4.6	4.50		B5/B14		302	45	1.3	4.63		B5/B14	
	255	39	3.8	5.48		B5/B14		246	56	1.1	5.69		B5/B14	
	222	45	4.0	6.31		B5/B14		181	76	1.1	7.72		B5/B14	
	177	57	3.2	7.93		B5/B14		153	90	0.9	9.17		B5/B14	
	154	65	2.8	9.08		B5/B14		CMG022	383	36	2.8	3.66	B5/B14	
	128	79	2.3	10.93		B5/B14			316	44	2.3	4.43	B5/B14	
	111	91	2.8	12.60		B5/B14			257	54	1.9	5.45	B5/B14	
	105	96	2.6	13.30		B5/B14			189	73	1.7	7.39	B5/B14	
	91.5	110	2.5	15.30		B5/B14			160	86	1.4	8.78	B5/B14	
	76.9	131	2.1	18.21		B5/B14			141	98	1.2	9.93	B5/B14	
	72.8	139	2.0	19.24		B5/B14			116	118	1.7	12.05	B5/B14	
	66.2	152	1.8	21.15		B5/B14			106	130	1.5	13.21	B5/B14	
	56.0	180	1.7	24.99		B5/B14			94.6	145	1.4	14.81	B5/B14	
	45.8	220	1.4	30.57		B5/B14			69.7	197	1.0	20.08	B5/B14	
	40.9	246	1.2	34.20		B5/B14			58.7	234	0.9	23.85	B5/B14	
	36.2	278	1.1	38.63		B5/B14		CMG032	374	37	4.1	3.74	B5/B14	
	31.7	318	0.9	44.18		B5/B14			311	44	3.4	4.50	B5/B14	
	374	27	8.5	3.74		CMG042			B5/B14	255	54	2.8	5.48	B5/B14
	311	32	7.1	4.50					B5/B14	222	62	2.9	6.31	B5/B14
	255	39	5.8	5.48					B5/B14	177	78	2.3	7.93	B5/B14
	222	45	5.7	6.31					B5/B14	154	89	2.0	9.08	B5/B14
	177	57	4.6	7.93					B5/B14	128	107	1.7	10.93	B5/B14
	154	65	4.3	9.08					B5/B14	111	124	2.0	12.60	B5/B14
	128	79	3.6	10.93	B5/B14				105	131	1.9	13.30	B5/B14	
	111	91	3.9	12.60	B5/B14				91.5	150	1.9	15.30	B5/B14	
	105	96	3.7	13.30	B5/B14				76.9	179	1.6	18.21	B5/B14	
	91.5	110	3.8	15.30	B5/B14				72.8	189	1.5	19.24	B5/B14	
	76.9	131	3.2	18.21	B5/B14			66.2	208	1.3	21.15	B5/B14		
	72.8	139	3.0	19.24	B5/B14			56.0	245	1.2	24.99	B5/B14		
	56.0	180	2.8	24.99	B5/B14			45.8	300	1.0	30.57	B5/B14		
	45.8	220	2.3	30.57	B5/B14			40.9	336	0.9	34.20	B5/B14		
	40.8	247	2.0	34.30	B5/B14			36.2	379	0.8	38.63	B5/B14		
	36.2	278	1.8	38.63	B5/B14			CMG042	374	37	6.3	3.74	B5/B14	
	31.7	318	1.6	44.18	B5/B14				311	44	5.2	4.50	B5/B14	
	27.3	370	1.4	51.30	B5/B14				255	54	4.3	5.48	B5/B14	
	23.0	438	1.1	60.80	B5/B14				222	62	4.2	6.31	B5/B14	
	19.2	514	1.0	72.83	CMG043	B5/B14			177	78	3.3	7.93	B5/B14	
	371	27	15.1	3.78	CMG052	B5/B14			154	89	3.1	9.08	B5/B14	
	292	35	11.9	4.80		B5/B14			128	107	2.6	10.93	B5/B14	
	241	42	9.8	5.82		B5/B14			111	124	2.8	12.60	B5/B14	
	210	48	9.8	6.68		B5/B14			105	131	2.7	13.30	B5/B14	
	167	60	7.8	8.37		B5/B14			91.5	150	2.8	15.30	B5/B14	
	153	66	7.7	9.16		B5/B14			76.9	179	2.3	18.21	B5/B14	
	141	71	7.1	9.90		B5/B14			72.8	189	2.2	19.24	B5/B14	
	120	84	7.5	11.64		B5/B14		56.0	245	2.0	24.99	B5/B14		
	106	95	6.6	13.25		B5/B14		45.8	300	1.7	30.57	B5/B14		
	99.2	102	7.4	14.11		B5/B14		40.9	336	1.5	34.20	B5/B14		
	86.4	117	6.4	16.20		B5/B14		36.2	379	1.3	38.63	B5/B14		
	68.9	146	5.1	20.31	CMG053	B5/B14		31.7	434	1.2	44.18	B5/B14		
	58.3	173	5.2	24.02		B5/B14		27.3	504	1.0	51.30	B5/B14		
	43.6	231	3.9	32.13		B5/B14								
	30.2	334	2.7	46.31		B5/B14								
	26.1	387	2.3	53.74		B5/B14								
	21.7	455	2.0	64.48		B5/B14								
	18.7	529	1.7	74.96		B5/B14								
	17.3	572	1.6	81.07		B5/B14								
	16.2	608	1.5	86.24		B5/B14								
	12.9	765	1.2	108.43		B5/B14								
	10.9	909	1.0	128.84		B5/B14								

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**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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1.5

90L4 (1400 min ⁻¹)	371	37	11.1	3.78	CMG052	B5/B14
	292	47	8.7	4.80		B5/B14
	241	57	7.2	5.82		B5/B14
	210	66	7.2	6.68		B5/B14
	167	82	5.7	8.37		B5/B14
	153	90	5.7	9.16		B5/B14
	141	97	5.2	9.90		B5/B14
	120	114	5.5	11.64		B5/B14
	106	130	4.8	13.25		B5/B14
	99.2	139	5.4	14.11		B5/B14
	86.4	159	4.7	16.20		B5/B14
	68.9	199	3.8	20.31		B5/B14
	58.3	236	3.8	24.02		B5/B14
	43.6	316	2.9	32.13		B5/B14
	30.2	455	2.0	46.31		B5/B14
	26.1	528	1.7	53.74		B5/B14
	21.7	620	1.5	64.48	CMG053	B5/B14
	18.7	721	1.2	74.96		B5/B14
	17.3	780	1.2	81.07		B5/B14
	16.2	829	1.1	86.24		B5/B14
	12.9	1043	0.9	108.43		B5/B14

1.85

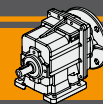
90LB4 (1400 min ⁻¹)	367	46	1.3	3.82	CMG012	B5/B14
	302	56	1.1	4.63		B5/B14
	383	44	2.3	3.66	CMG022	B5/B14
	316	54	1.9	4.43		B5/B14
	257	66	1.5	5.45		B5/B14
	189	90	1.3	7.39		B5/B14
	160	106	1.1	8.78		B5/B14
	141	120	1.0	9.93		B5/B14
	116	146	1.4	12.05		B5/B14
	106	160	1.2	13.21		B5/B14
	94.6	179	1.1	14.81		B5/B14
	374	45	3.3	3.74	CMG032	B5/B14
	311	55	2.7	4.50		B5/B14
	255	66	2.3	5.48		B5/B14
	222	76	2.4	6.31		B5/B14
	177	96	1.9	7.93		B5/B14
	154	110	1.6	9.08		B5/B14
	128	132	1.4	10.93		B5/B14
	111	153	1.6	12.60		B5/B14
	105	161	1.6	13.30		B5/B14
	91.5	185	1.5	15.30		B5/B14
	76.9	221	1.3	18.21	CMG042	B5/B14
	72.8	233	1.2	19.24		B5/B14
	66.2	256	1.1	21.15		B5/B14
	56.0	303	1.0	24.99		B5/B14
	45.8	370	0.8	30.57		B5/B14
	374	45	5.1	3.74		B5/B14
	311	55	4.2	4.50		B5/B14
	255	66	3.5	5.48		B5/B14
	222	76	3.4	6.31		B5/B14
	177	96	2.7	7.93		B5/B14
	154	110	2.5	9.08		B5/B14
	128	132	2.1	10.93		B5/B14
	111	153	2.3	12.60		B5/B14
	105	161	2.2	13.30		B5/B14
	91.5	185	2.3	15.30		B5/B14
	76.9	221	1.9	18.21		B5/B14
	72.8	233	1.8	19.24		B5/B14

1.85

90LB4 (1400 min ⁻¹)	56.0	303	1.7	24.99	CMG042	B5/B14
	45.8	370	1.3	30.57		B5/B14
	40.9	414	1.2	34.20		B5/B14
	36.2	468	1.1	38.63		B5/B14
	31.7	535	0.9	44.18		B5/B14
	27.3	621	0.8	51.30		B5/B14
	371	46	9.0	3.78	CMG052	B5/B14
	292	58	7.1	4.80		B5/B14
	241	70	5.8	5.82		B5/B14
	210	81	5.8	6.68		B5/B14
	167	101	4.6	8.37		B5/B14
	153	111	4.6	9.16		B5/B14
	141	120	4.3	9.90		B5/B14
	120	141	4.5	11.64		B5/B14
	106	160	3.9	13.25		B5/B14
	99.2	171	4.4	14.11		B5/B14
	86.4	196	3.8	16.20	CMG053	B5/B14
	68.9	246	3.0	20.31		B5/B14
	58.3	291	3.1	24.02		B5/B14
	43.6	389	2.3	32.13		B5/B14
	30.2	561	1.6	46.31		B5/B14
	26.1	651	1.4	53.74		B5/B14
	21.7	765	1.2	64.48		B5/B14
	18.7	889	1.0	74.96		B5/B14
	17.3	962	0.9	81.07		B5/B14
	16.2	1023	0.9	86.24		B5/B14

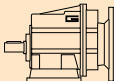
2.2

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	CMG042	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	0.9	21.15	CMG042	B5/B14
	56.0	360	0.8	24.99		B5/B14
	374	54	4.3	3.74		B5/B14
	311	65	3.5	4.50		B5/B14
	255	79	2.9	5.48		B5/B14
	222	91	2.9	6.31		B5/B14
	177	114	2.3	7.93		B5/B14
	154	131	2.1	9.08		B5/B14
	128	157	1.8	10.93		B5/B14
	111	182	1.9	12.60		B5/B14
	105	192	1.8	13.30		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
	56.0	360	1.4	24.99		B5/B14
	45.8	440	1.1	30.57		B5/B14
	40.8	494	1.0	34.30		B5/B14
	36.2	557	0.9	38.63		B5/B14

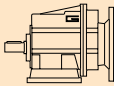


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Technical data

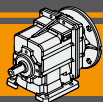
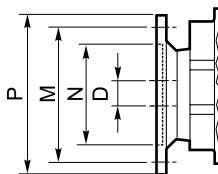
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		
2.2						
100LA4 (1400 min ⁻¹)	371	54	7.5	3.78	CMG052	B5/B14
	292	69	5.9	4.80		B5/B14
	241	84	4.9	5.82		B5/B14
	210	96	4.9	6.68		B5/B14
	167	121	3.9	8.37		B5/B14
	153	132	3.9	9.16		B5/B14
	141	143	3.6	9.90		B5/B14
	120	168	3.8	11.64		B5/B14
	106	191	3.3	13.25		B5/B14
	99.2	203	3.7	14.11		B5/B14
	86.4	233	3.2	16.20		B5/B14
	68.9	293	2.6	20.31		B5/B14
	58.3	346	2.6	24.02		B5/B14
	43.6	463	1.9	32.13		B5/B14
	30.2	667	1.3	46.31		B5/B14
	26.1	774	1.2	53.74		B5/B14
21.7	910	1.0	64.48	CMG053	B5/B14	
18.7	1057	0.9	74.96		B5/B14	

3						
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	0.8	10.93		B5/B14
	111	248	1.0	12.60		B5/B14
	105	261	1.0	13.30		B5/B14
	91.5	301	0.9	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
	56.0	491	1.0	24.99		B5/B14
	45.8	601	0.8	30.57		B5/B14
	371	74	5.5	3.78	CMG052	B5/B14
	292	94	4.3	4.80		B5/B14
	241	114	3.6	5.82		B5/B14
	210	131	3.6	6.68		B5/B14
	167	164	2.9	8.37		B5/B14
	153	180	2.8	9.16		B5/B14
	141	195	2.6	9.90		B5/B14
	120	229	2.8	11.64		B5/B14
	106	260	2.4	13.25		B5/B14
99.2	277	2.7	14.11	B5/B14		
86.4	318	2.4	16.20	B5/B14		
68.9	399	1.9	20.31	B5/B14		
58.3	472	1.9	24.02	B5/B14		
43.6	631	1.4	32.13	B5/B14		
30.2	910	1.0	46.31	B5/B14		
26.1	1056	0.9	53.74	B5/B14		

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			
4							
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	0.9	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	1.0	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	0.9	18.21		B5/B14	
	72.8	504	0.8	19.24		B5/B14	
	56.0	655	0.8	24.99		B5/B14	
	371	99	4.1	3.78		CMG052	B5/B14
	292	126	3.3	4.80			B5/B14
241	152	2.7	5.82	B5/B14			
210	175	2.7	6.68	B5/B14			
167	219	2.1	8.37	B5/B14			
153	240	2.1	9.16	B5/B14			
141	259	2.0	9.90	B5/B14			
120	305	2.1	11.64	B5/B14			
106	347	1.8	13.25	B5/B14			
99.2	370	2.0	14.11	B5/B14			
86.4	424	1.8	16.20	B5/B14			
68.9	532	1.4	20.31	B5/B14			
58.3	629	1.4	24.02	B5/B14			
43.6	842	1.1	32.13	B5/B14			

5.5						
132S4 (1400 min ⁻¹)	371	136	3.0	3.78	CMG052	B5
	292	173	2.4	4.80		B5
	241	210	2.0	5.82		B5
	210	241	2.0	6.68		B5
	167	302	1.6	8.37		B5
	153	330	1.5	9.16		B5
	141	357	1.4	9.90		B5
	120	419	1.5	11.64		B5
	106	477	1.3	13.25		B5
	99.2	508	1.5	14.11		B5
	86.4	583	1.3	16.20		B5
	68.9	731	1.0	20.31		B5
	58.3	865	1.0	24.02		B5

7.5						
132MA4 (1400 min ⁻¹)	371	185	2.2	3.78	CMG052	B5
	292	236	1.7	4.80		B5
	241	286	1.4	5.82		B5
	210	328	1.4	6.68		B5
	167	411	1.1	8.37		B5
	153	450	1.1	9.16		B5
	141	486	1.0	9.90		B5
	120	572	1.1	11.64		B5
	106	651	1.0	13.25		B5
	99.2	693	1.1	14.11		B5
	86.4	796	0.9	16.20		B5

**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Motori applicabili****IEC Motor adapters**

		IEC	N	M	P	D	i (rapporto / ratio)																	
		5.036.17.498.9910.1612.0713.415.1418.1721.5823.5125.127.0832.4942.0444.8948.86																						
CMG002	80B5	130	165	200	19																			
	80B14	80	100	120																				
	71B5	110	130	160	14																			
	71B14	70	85	105																				
	63B5	95	115	140	11																			
	63B14	60	75	90																				
	56B5	80	100	120	9																			
	56B14	50	65	80																				
						3.82	4.63	5.69	7.72	9.17	9.81	11.50	11.90	13.80	14.62	17.86	19.07	19.83	23.56	29.56	35.47	45.89	49.00	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																			
	71 B14	70	85	105																				
	63 B5	95	115	140	11																			
						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																			
	71 B14	70	85	105																				
	63 B5	95	115	140	11																			
						3.66	4.43	5.45	7.39	8.78	9.93	11.01	12.05	13.21	14.81	17.10	18.26	20.08	23.85	29.93	35.91	46.46	49.61	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																			
	71 B14	70	85	105																				
	63 B5	95	115	140	11																			
						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																			
	71 B14	70	85	105																				
	63 B5	95	115	140	11																			

N.B.

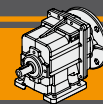
Le aree evidenziate in indicano l'applicabilità della corrispondente grandezza motore.

B/BS = Boccia di riduzione in acciaio.

N.B.

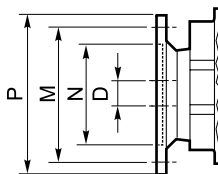
Highlighted areas indicate motor inputs available on each size of unit.

B/BS = Metal shaft sleeve.



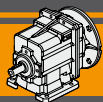
Motori applicabili

IEC Motor adapters



CMG

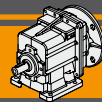
	IEC	N	M	P	D	i (rapporto / ratio)																			
						3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	21.15	24.99	30.57	34.20	38.63	44.18	51.30	60.80
CMG032	100/112B5	180	215	250	28																				
	100/112B14	110	130	160																					
	90 B5	130	165	200	24																				
	90 B14	95	115	140																					
	80 B5	130	165	200	19																				
	80 B14	80	100	120																					
	71 B5	110	130	160	14	B																			
					3.744.505.486.317.939.0810.9312.6013.3015.3018.2119.2421.1524.9930.5734.2038.6344.1851.3060.80																				
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																				
	80 B14	80	100	120																					
	71 B5	110	130	160	14	B																			
					72.8397.45115.74140.81174.26225.47262.05325.79378.64																				
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																				
	71 B14	70	85	105																					
	63 B5	95	115	140	11																				
					3.784.805.826.688.379.169.9011.6413.2514.1116.2020.3124.0232.1346.3153.74																				
CMG052	132 B5	230	265	300	38																				
	100/112B5	180	215	250	28																				
	100/112B14	110	130	160																					
	90 B5	130	165	200	24	B																			
	90 B14	95	115	140																					
	80 B5	130	165	200	19	BS																			
					64.4874.9681.0786.24108.43128.84172.32186.17216.19248.99289.15																				
CMG053	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																				
	80 B14	80	100	120																					
	71 B5	110	130	160	14	B																			


CMG
RIDUTTORI AD INGRANAGGI CILINDRICI
HELICAL GEARBOXES
Dimensioni
Dimensions

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
002	92	81.5	0	44	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	45	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		112	43		268	260											7.8	7.5
022	124	98	11.5	45	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	70	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	70	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
052	190	157	20	88	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68		380	373	19				21.5						42.0	42.3

¹⁾ IEC 63/71, ²⁾ IEC 80

Versione U / U Version						
CMG CMGIS	H	K	L	M	N h7	O
002	2.5	11	78	64	50	n°5 M6x14
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
052 053	10	16	160	135	110	n°6 M10x22

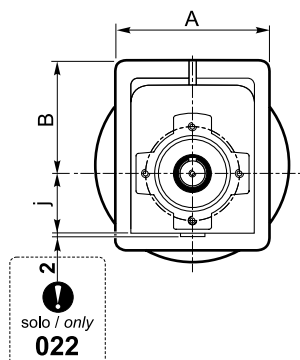
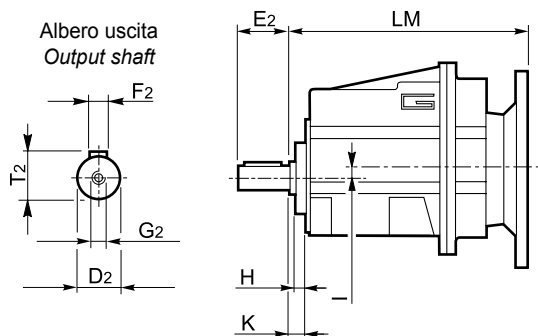


Dimensioni

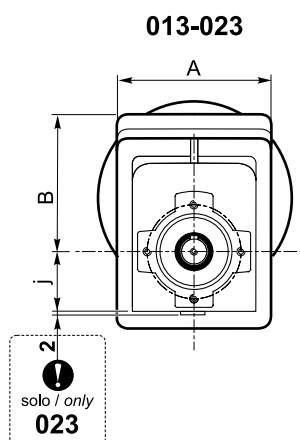
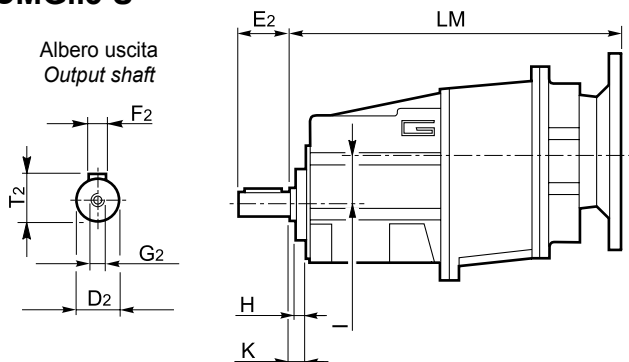
Dimensions

CMG..U

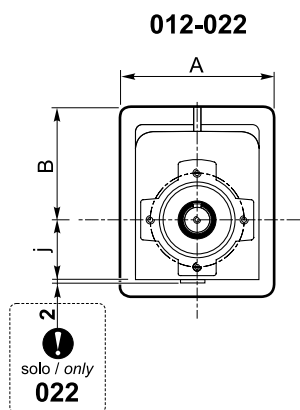
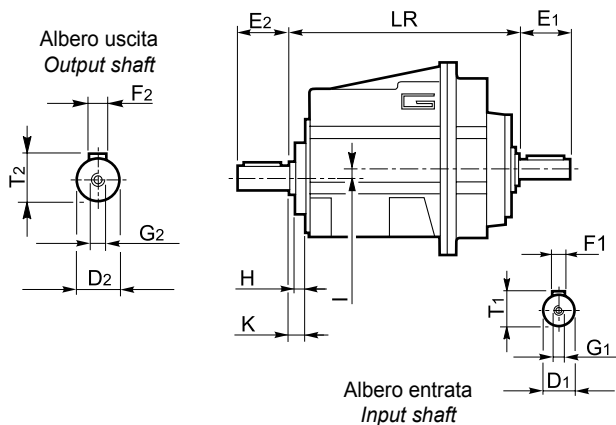
CMG..2 U



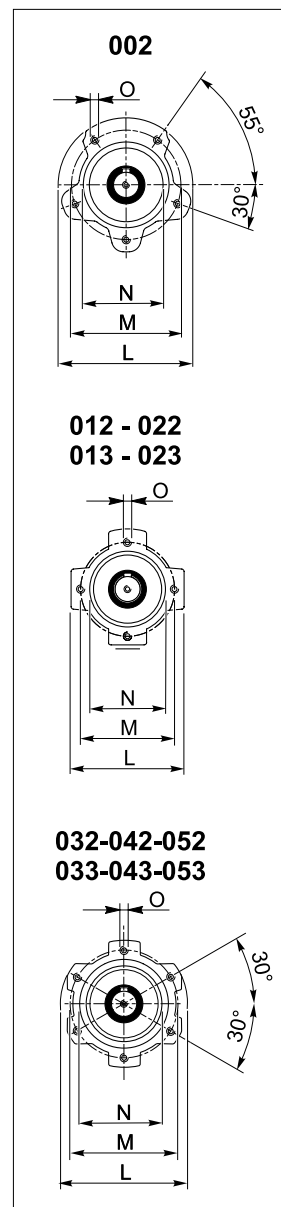
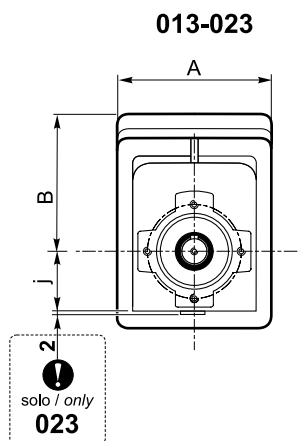
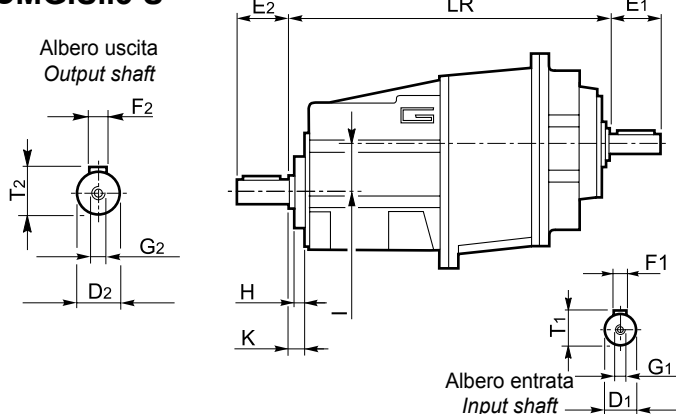
CMG..3 U

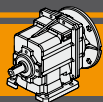


CMGIS..2 U



CMGIS..3 U



**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dimensioni****Dimensions**

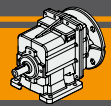
CMG CMGIS	A	B	I	LM	LR	Albero entrata / Input shaft					Albero uscita / Output shaft					*Peso / Weight [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	195	187	16	40	5	M6	18	20	40	6	M6	22.5	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
052	190	157	20	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68	380	373	19										42.0	42.3

1) IEC 63/71, 2) IEC 80

* Versione U / U Version

Versione H / <i>H Version</i>										
CMG CMGIS	P	Q	R	S	U	V	X	Z	Piede / <i>Foot</i>	
									Tipo / <i>Type</i>	Peso / <i>Weight</i> [kg]
002	18	60	80	9	100	10	60	120	H60	0.2
	18	80	104	9	110 - 120	10	75	145	H75	0.3
	18	50 - 87	110	9	110	10	85	135	H85	0.4
012 013	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7
022 023	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7
032 033	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
042 043	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
052 053	35	145	200	18	200	22	120	239	H120	3.5
	35	205	244	18	170	22	140	219	H140	4.3
	25	110 156	199	18	225	22	155	264	H155	5.1

Preferenziale / Preferred

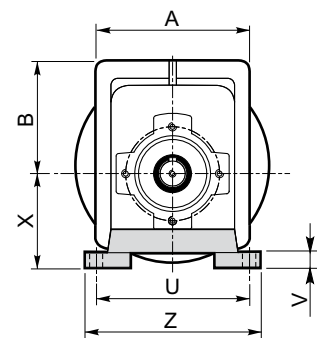
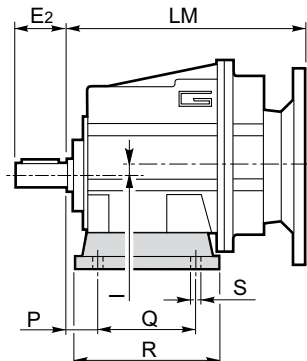
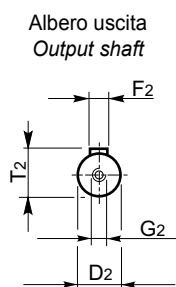


Dimensioni

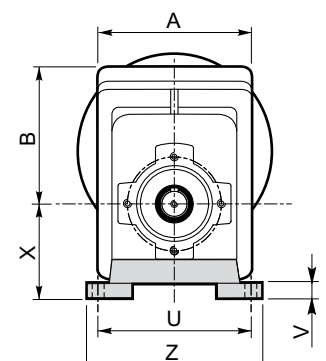
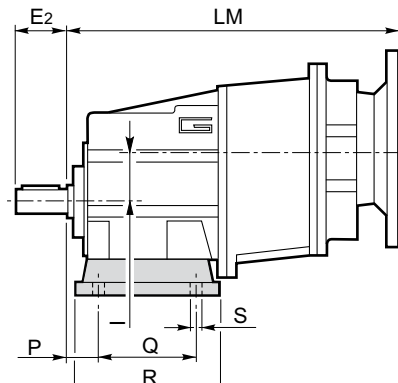
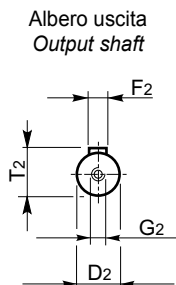
Dimensions

CMG..H

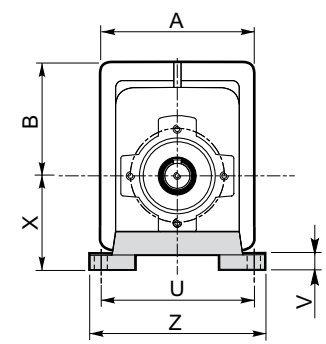
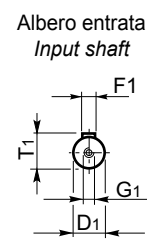
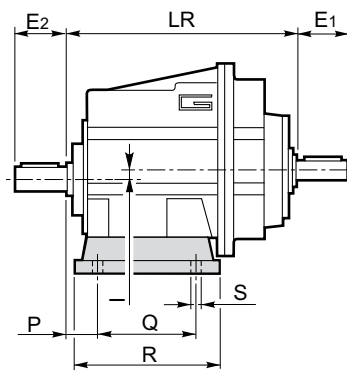
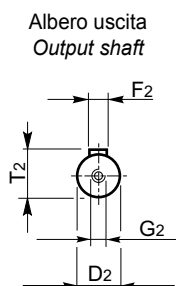
CMG..2 H..



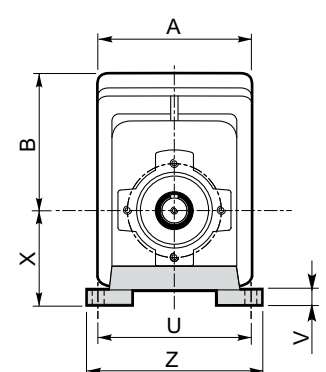
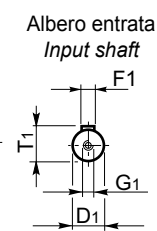
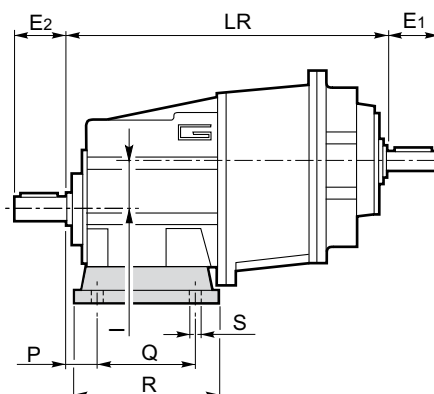
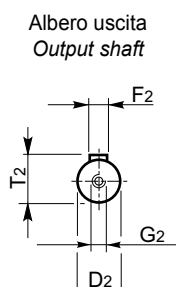
CMG..3 H..

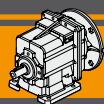


CMGIS..2 H..



CMGIS..3 H..

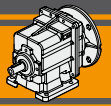


**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dimensioni****Dimensions**

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
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	195	187	16	40	5	M6	18	20	40	6	M6	22.5	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
052	190	157	20	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68	380	373	19										42.0	42.3

¹⁾ IEC 63/71, ²⁾ IEC 80* Versione **U** / **U Version**

Versione F / F Version									
CMG CMGIS	H	K	L	M	N f7	O	P	Flangia / Flange	
								Tipo / Type	Peso / Weight [kg]
002	3.5	7	105	85	70	6.5	90	F105	0.1
	3.5	8	120	100	80	7	100	F120	0.2
	3.5	8	140	115	95	9	115	F140	0.2
012 013	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8
022 023	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8
032 033	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9
042 043	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9
052 053	4	13	250	215	180	14	215	F250	2.9
	4	13	300	265	230	14	265	F300	4.4

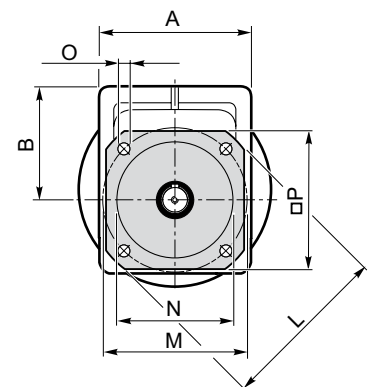
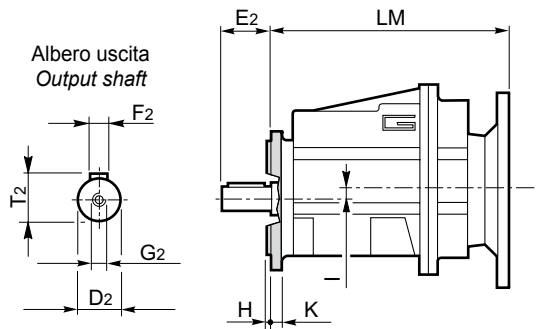


Dimensioni

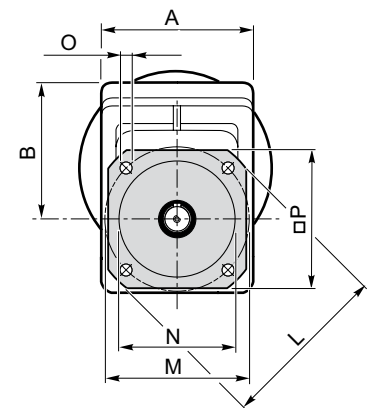
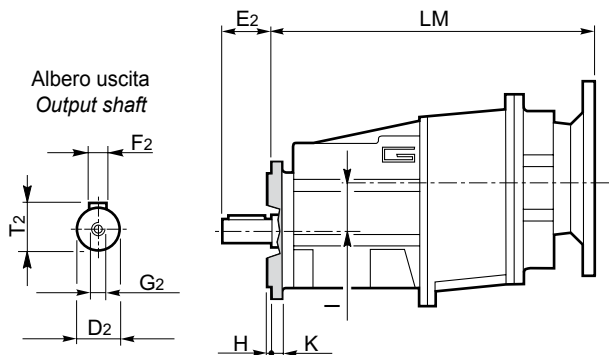
Dimensions

CMG..F

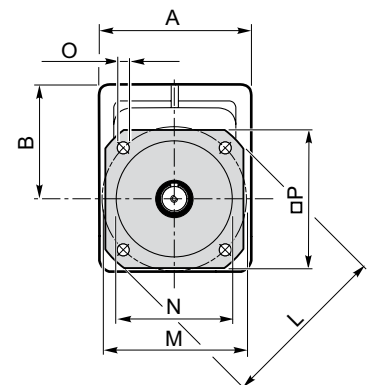
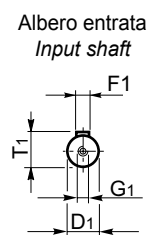
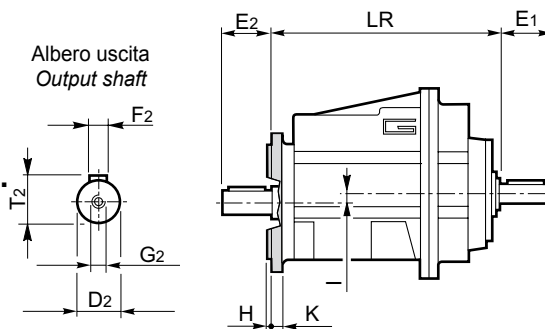
CMG..2 F..



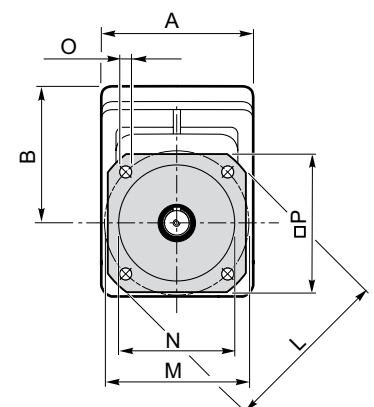
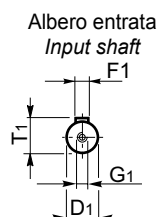
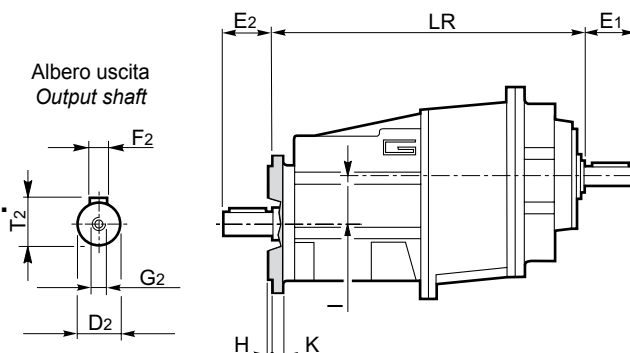
CMG..3 F..

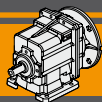


CMGIS..2 F..



CMGIS..3 F..



**CMG****RIDUTTORI AD INGRANAGGI CILINDRICI**
HELICAL GEARBOXES**Dimensioni****Dimensions**

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
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	195	187	16	40	5	M6	18	20	40	6	M6	22.5	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
052	190	157	20	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68	380	373	19		6		21.5						42.0	42.3

1) IEC 63/71, 2) IEC 80

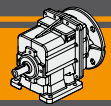
* Versione U / U Version

Versione H / H Version										Combinazioni possibili H/F Possible combinations H/F							
CMG CMGIS	P	Q	R	S	U	V	X	Z	Piede / Foot		F105	F120	F140	F160	F200	F250	F300
									Tipo Type	Peso / Weight [kg]							
002	18	60	80	9	100	10	60	120	H60	0.2	•	•	•				
	18	80	104	9	110 - 120	10	75	145	H75	0.3	•	•	•				
	18	50 - 87	110	9	110	10	85	135	H85	0.4	•	•	•				
012 013	20	85	108	9	115	12	65	139	H65	0.7		•	•				
	18	80	118	9	110	12	75	140	H75	1.0		•	•	•			
	25	85	120	9	120	12	80	140	H80	1.1		•	•	•			
	18	50 - 87	118	9	110	12	85	130	H85	1.2		•	•	•			
	25	130	154	9	110	12	90	135	H90	1.5		•	•	•	•		
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7		•	•	•	•		
022 023	20	85	108	9	115	12	65	139	H65	0.7		•	•				
	18	80	118	9	110	12	75	140	H75	1.0		•	•	•			
	25	85	120	9	120	12	80	140	H80	1.1		•	•	•			
	18	50 - 87	118	9	110	12	85	130	H85	1.2		•	•	•			
	25	130	154	9	110	12	90	135	H90	1.5		•	•	•	•		
	18	60 - 107.5	135	11	130	12	100	155	H100	1.7		•	•	•	•		
032 033	30	105	136	14	160	14	95	194	H95	1.5				•	•		
	30	100	150	11	150	14	110	185	H110	1.9				•	•		
	18	70			160												
	30	165	195	14	135	14	115	170	H115	2.2				•	•	•	
	35	110	160	14	170	14	120	210	H120	2.6				•	•	•	
042 043	30	105	136	14	160	14	95	194	H95	1.5				•	•		
	30	100	150	11	150	14	110	185	H110	1.9				•	•		
	18	70			160												
	30	165	195	14	135	14	115	170	H115	2.2				•	•	•	
	35	110	160	14	170	14	120	210	H120	2.6				•	•	•	
052 053	35	145	199	18	200	22	120	239	H120	3.5						•	
	35	205	244	18	170	22	140	219	H140	4.3						•	•
	25	110 156	199	18	225	22	155	264	H155	5.1						•	•

Preferenziale / Preferred

• Combinazioni possibili H/F / Possible combinations H/F

Versione F / F Version										Flangia / Flange	
CMG CMGIS	H	K	L	M	N f7	O	P			Tipo / Type	Peso / Weight [kg]
002	3.5	7	105	85	70	6.5	90			F105	0.1
	3.5	8	120	100	80	7	100			F120	0.2
	3.5	8	140	115	95	9	115			F140	0.2
012 013	3	9	120	100	80	9	106			F120	0.5
	3.5	9	140	115	95	9	115			F140	0.8
	3.5	9	160	130	110	9	126			F160	1.1
	3.5	11	200	165	130	11	165			F200	1.8
022 023	3	9	120	100	80	9	106			F120	0.5
	3.5	9	140	115	95	9	115			F140	0.8
	3.5	9	160	130	110	9	126			F160	1.1
	3.5	11	200	165	130	11	165			F200	1.8
032 033	3.5	11	160	130	110	9	140			F160	1.0
	3.5	11	200	165	130	11	165			F200	1.8
	4	13	250	215	180	14	215			F250	2.9
042 043	3.5	11	160	130	110	9	140			F160	1.0
	3.5	11	200	165	130	11	165			F200	1.8
	4	13	250	215	180	14	215			F250	2.9
052 053	4	13	250	215	180	14	215			F250	2.9
	4	13	300	265	230	14	265			F300	4.4

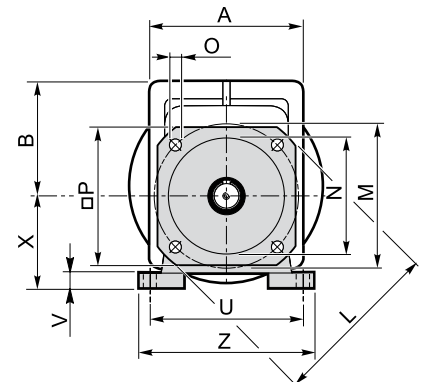
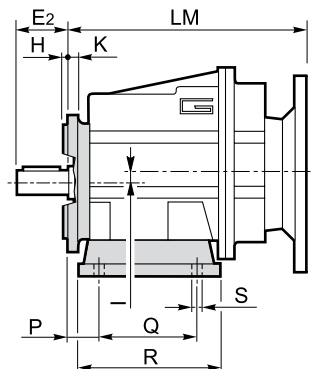
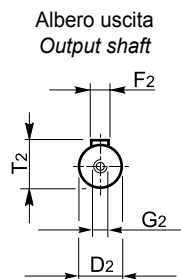


Dimensioni

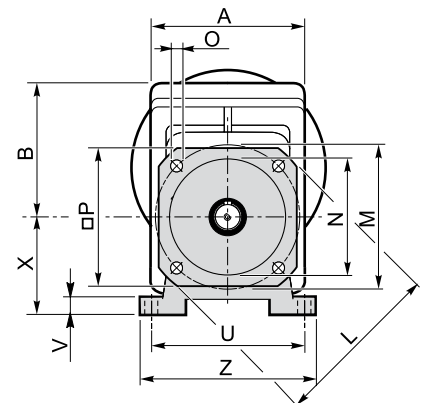
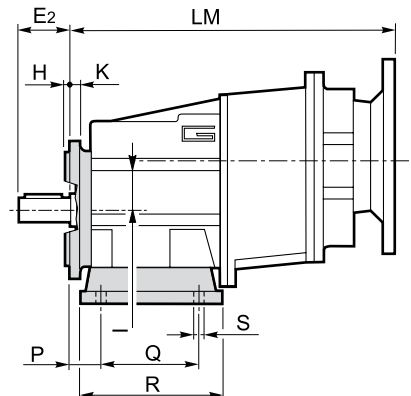
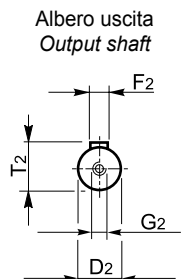
Dimensions

CMG..H../F..

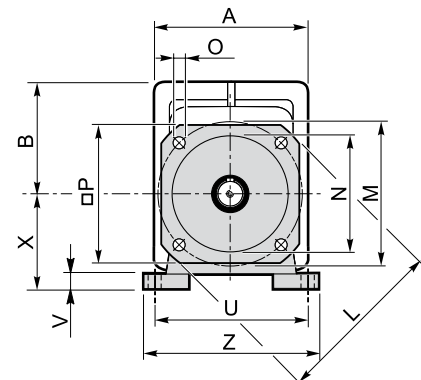
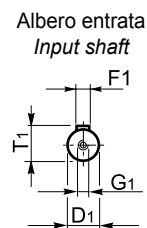
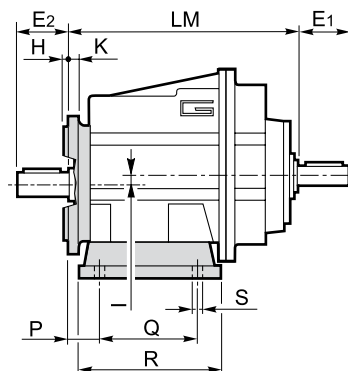
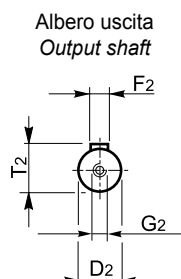
CMG..2 H../F..



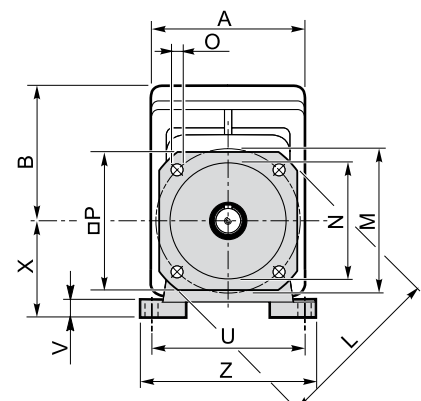
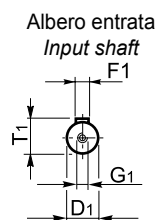
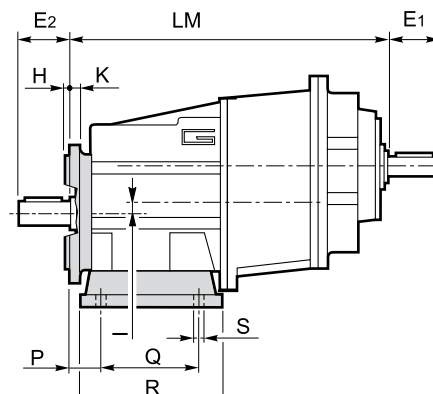
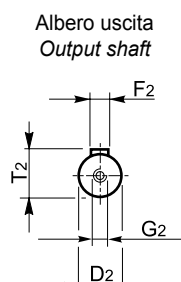
CMG..3 H../F..

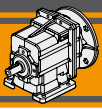


CMGIS..2 H../F..



CMGIS..3 H../F..





Note/Notes

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