GEARSYNC
by BIEQUA

HELICAL INLINE
GEARBOXES AND GEARMOTORS

COMPATIBILITY GUIDE

DIEQUA Corporation

DieQua Corporation is a manufacturer and supplier of a wide range of motion control and power transmission drive components. Our focus has always been to provide products that offer superior value, the highest quality, the most unique designs, and the most reliable performance. DieQua continues to develop innovative products to meet the changing technological needs of the industries and customers we serve.

IN THIS GUIDE:

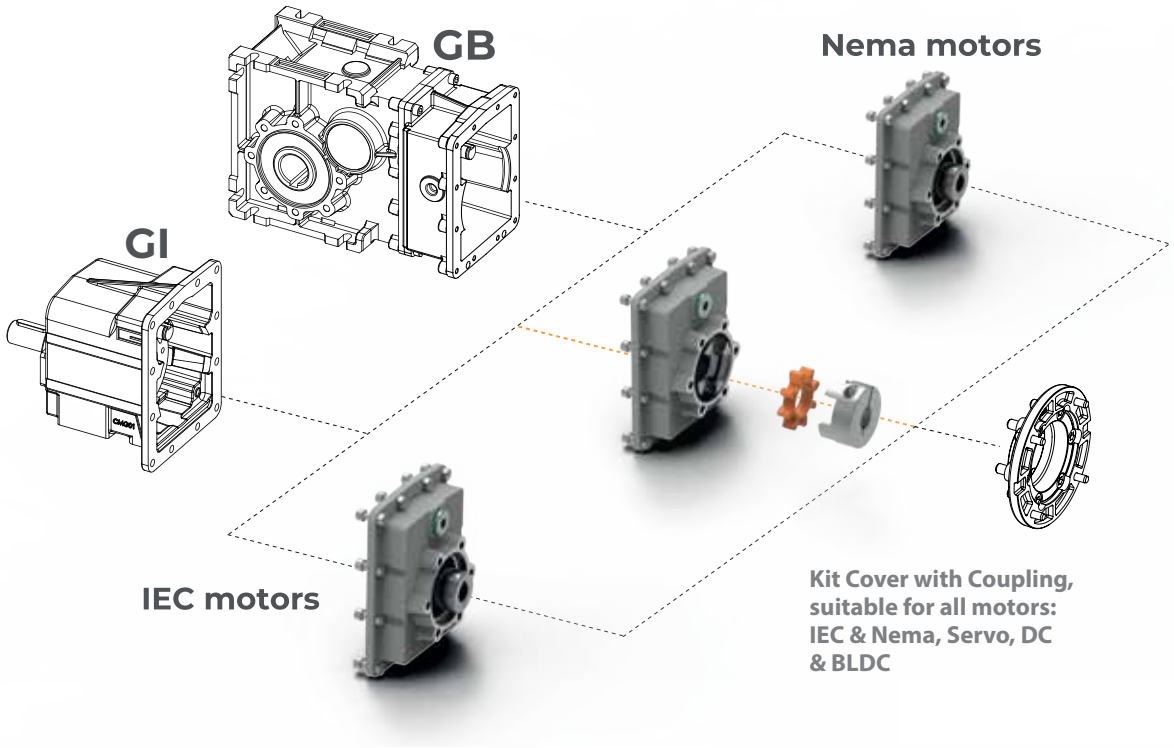
The DieQua Process

DieQua has an enormous product offering. Making a proper selection, or even knowing what is possible can be daunting. Our staff is specifically trained to first listen, and then ask questions, to gain a thorough understanding of your specific and unique application. Then, we help you navigate to the specific product, or even a special design, that will meet or exceed your needs. It is through our consultative approach that we are most helpful to our customers in finding the best design solution.

A Perfect Precision Coupling

DieQua has created a precision coupling offering to include Bellow couplings, Precision Elastomer couplings, Line Shaft couplings and Torque Limiters. These products offer a perfect range of precision, torsional stiffness, torque capacity, and protection from misalignment. These couplings are a perfect adjunct to the many gearbox, gearmotor, and mechanical components technologies we offer to the market.

Cover Kit + Flexible Coupling Input



The new Coupling for helical in-line gearmotors and helical bevel gearmotors is finally available. With just one type of cover it is now possible to couple the gearbox to all types of motors: IEC and Nema, AC, DC and Servo.

The solution consists of two half-couplings made of steel with a synthetic, elastic element interposed between them. The motor-side half-coupling is in fact a clamping device which allows the motion transmission without the key being applied on the motor shaft.

- Greater flexibility for setting up the gearbox motor connection by replacing only the motor-side half-coupling and the flange.
- Possibility of using brushless motors even without key, exploiting their potential to the maximum. In fact, accelerations, decelerations and even sudden reversals of the direction of motion are allowed.
- Total elimination of contact oxidation, called "tribocorrosion", which tends to weld the motor shaft to the rigid connection sleeve; removing the motor from the gearbox even after a few months of operation can be very difficult in the classic sleeve configuration; with this new solution it is always possible.
- Significant reduction of the operating temperatures of the gearbox in the motor connection area, guaranteeing greater reliability and duration of the lubricating elements (sealing rings).

GI ALU Series

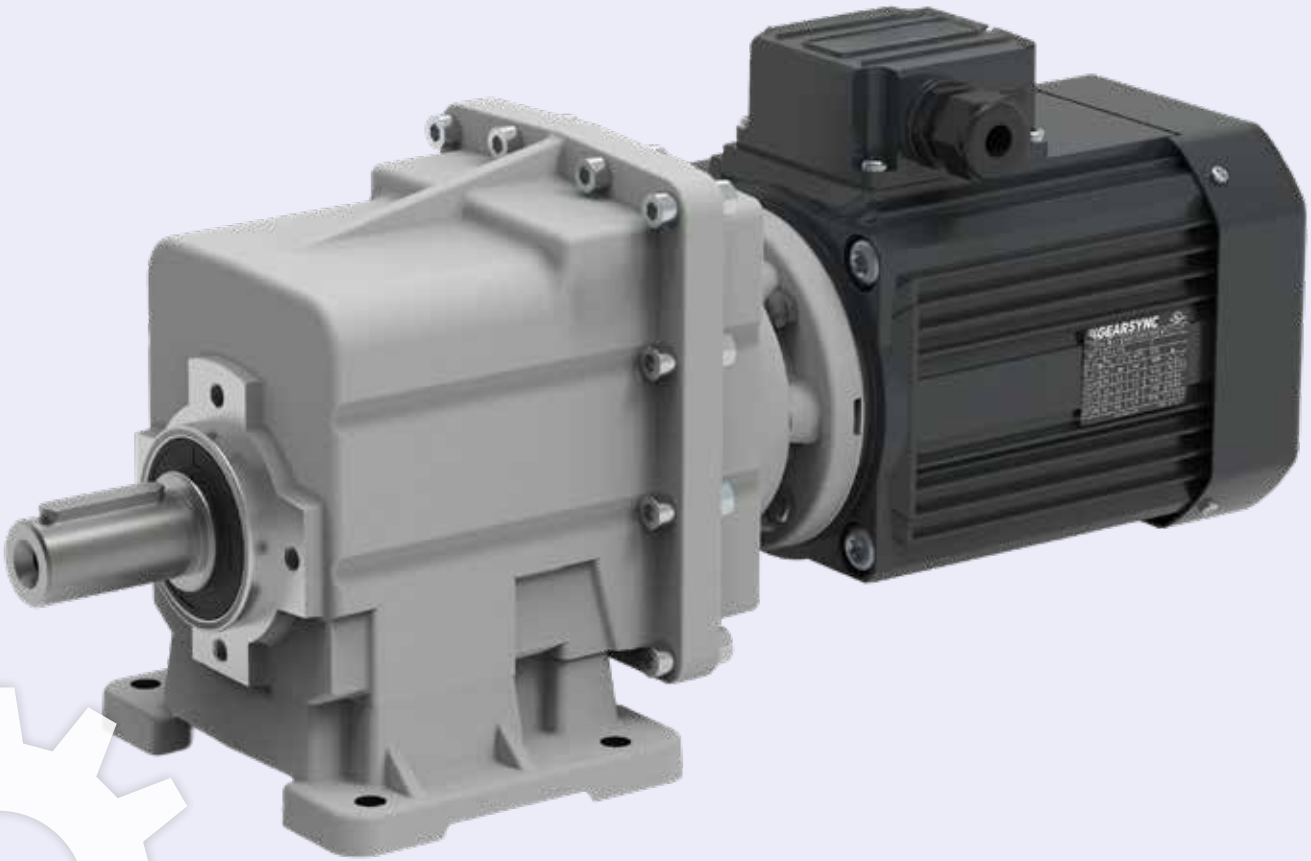
UP TO 500 Nm

The main features of GI range are:

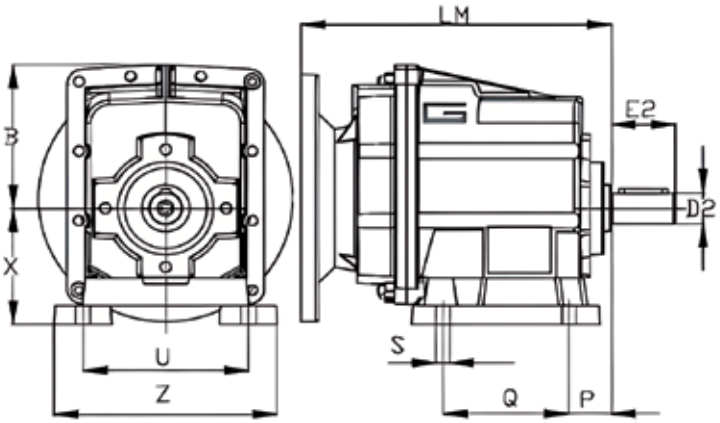
- **Die-cast aluminum housings and input flanges**
- **Cast iron feet and output flanges**
- **Ground-hardened helical gears**
- **Permanent synthetic oil long-life lubrication**
- **Housing in standard Grey RAL 9006**

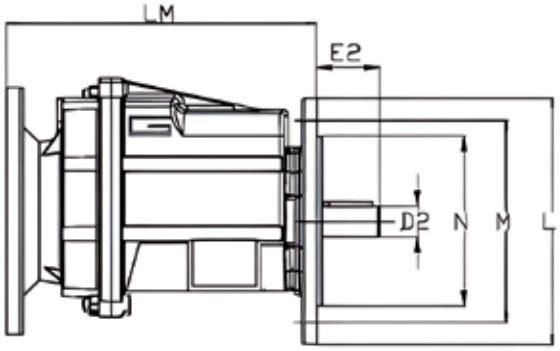
Standard Shaft	Inch	mm
GI 002	0.75	20 16* Special 25* Special
GI 112 – GI 113	0.75	20
GI 022 – GI 023	1.00	25
GI 032 – GI 033	1.25	30
GI 042 – GI 043	1.375	35

*Note: Available, but not a standard offering



		Output torque (Nm)	Radial load (N)	Ratio			Weight (kg)
				i min	i max/2	i max/3	2 stages only
GEARSYNC	**GI 002**	**70**	**1300**	**5.03**	**48.86**	\	**3.2 Aluminum**
MOTOVARIO	HA32	95	2000	5.38	60.67	347.29	4.9 Aluminum
BONFIGLIOLI	C112	100	2000	2.8	66.2	\	6.2 Aluminum
BONFIGLIOLI	C052	50	700	5.5	40.3	\	Aluminum
BONFIGLIOLI	AS16	50	800	5.53	44.73	\	3.4 Aluminum
BONFIGLIOLI	AS20	80	2400	5.49	49.52	187.5	6.4 Aluminum
HYDROMEC	202A	70	1900	3.44	61.89	\	4 Aluminum
HYDROMEC	302A	85	1900	3.44	61.89	\	3.7 Aluminum

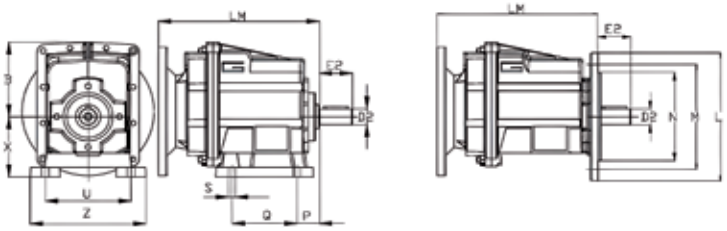




		Output shaft "D2" x "E2"	Output flange "L" x "M" x "N"	Bottom to output centerline "X"	Feet			
					"P"	"Q" x "U"*	"S"	"Z"
GEARSYNC	**GI 002**	**Ø16x40**	**105x85x70**	**60**	**18**	**60x100**	**Ø9**	**120**
		Ø20x40	**120x100x80**	**75**	**18**	**80 x (110-120)**	**Ø9**	**145**
		0.75"	**140x115x95**	**85**	**18**	**(50-87) x 110**	**Ø9**	**135**
MOTOVARIO	HA32	Ø20x40	120x100x80	75	18	80x110/120	Ø9	145
			140x115x95					
BONFIGLIOLI	C112	Ø20x40	140x115x95	85	18	(50+37)x110	Ø9	130
BONFIGLIOLI	C052 (AS16)	Ø16x40	140x115x95	85	18	50X110	Ø9	135
BONFIGLIOLI	AS20	Ø20x40	160X130X110	100	18	60X130	Ø11	155
HYDROMEC	202A	Ø16x40	120x100x80	85	18	(50+37)x110	Ø9	130
			140x115x95	100	18	(60+47.5)x130	Ø11	155
			160X130X110	75	18	(50+60)x110 60x91	Ø9	130
			200X165X130	65	12.5	76x105	Ø9	105
				80	13		Ø9	132
HYDROMEC	302A	Ø20x40	120x100x80	85	18	(50+37)x110	Ø9	130
			140x115x95	100	18	(60+47.5)x130	Ø11	155
			160x130x110	75	18	(50+60)x110	Ø9	130
			200x165x130	90	25	130x110	Ø9	130
				65	12.5	60x91	Ø9	105
				80	13	76x105	Ø9	132

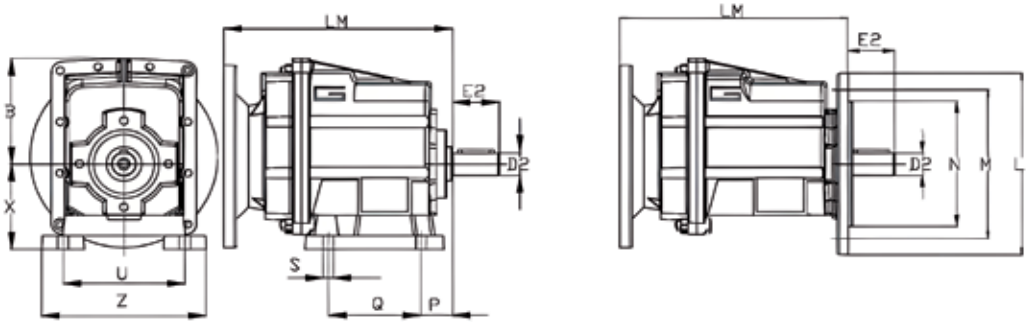
*Note: The feet are slotted hence a range in the "Q" dimension or the "U" dimension

		Output torque (Nm)	Radial load (N)	Ratio			Weight (kg)
				i min	i max/2	i max/3	2 stages only
GEARSYNC	**GI 012/3**	**120**	**2500**	**3.82**	**53.33**	**393.33**	**5.3 Aluminum**
MAS	H40	100	-	3.82	62.22	\	11.9
MOTOVARIO	HA32	95	2000	5.38	60.67	347.2	4.9 Aluminum
BONFIGLIOLI	C112	100	2000	2.8	66.2	\	6.2 Aluminum
BONFIGLIOLI	C052	50	700	5.5	40.3	\	
BONFIGLIOLI	AS16	50	800	5.53	44.73	\	3.4 Aluminum
BONFIGLIOLI	AS20	80	2400	5.49	49.52	187.5	6.4 Aluminum
HYDROMEC	302A	85	1900	3.44	61.89	\	3.7 Aluminum
HYDROMEC	202A	70	1900	3.44	61.89	\	4 Aluminum
SEW	R27	130	2940	3.37	28.3	135	6.5 Aluminum
STM	AM40	105	2700	8.5	30.6	181.4	9
SITI	MHL20	70	1800	4.35	49.14	\	4.5
NORD	SK02	90	3300	2.95	73.06	313.11	
FLENDER	D/Z18	90	1600	3.58	43.15	200.36	



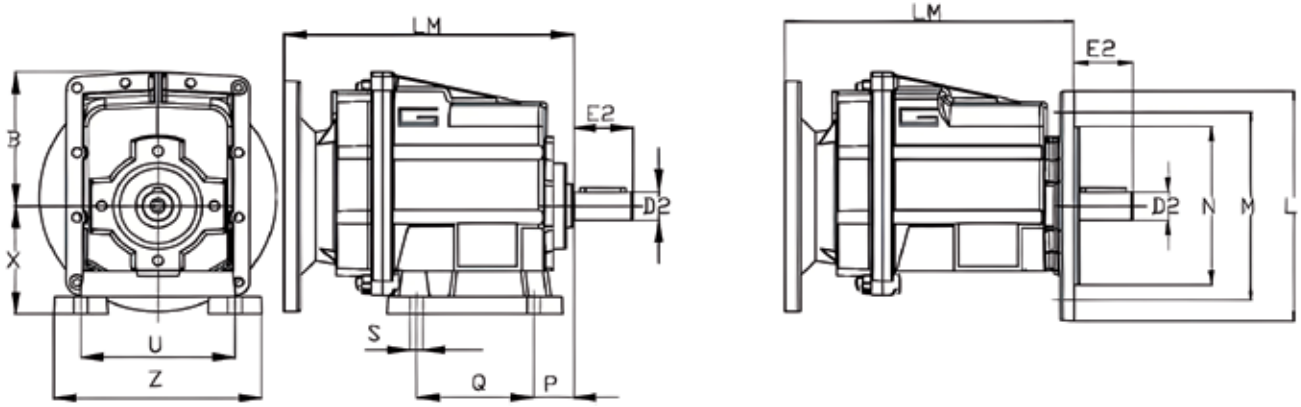
		Output shaft "D2" x "E2"	Output flange "L" x "M" x "N"	Bottom to output centerline "X"	Feet			
					"P"	"Q" x "U"*	"S"	"Z"
GEARSYNC	**GI 012/3**	**Ø20x40 0.75"**	**120x100x80**	**65**	**20**	**85x115**	**Ø9**	**139**
			140x115x95	**75**	**18**	**80x110**	**Ø9**	**140**
			160x130x110	**85**	**18**	**(50+37)x110**	**Ø9**	**130**
			200x165x130	**90**	**25**	**130x110**	**Ø9**	**135**
				80	**25**	**85x120**	**Ø9**	**140**
				100	**18**	**(60+47.5)x130**	**Ø11**	**155**
MAS	H40	Ø20x40	160x130x110	90	13	80x120	9	140
			200x165x130					
MOTOVARIO	HA32	Ø20x40	120x100x80	75	18	80x110	Ø9	145
BONFIGLIOLI	C112	Ø20x40	120x100x80	85	18	(50+37)x110	Ø9	130
			140x115x95					
			160x130x110					
BONFIGLIOLI	C052	Ø16x40	140x115x95	85	18	50x110	Ø9	135
BONFIGLIOLI	AS16	Ø16x40	140x115x95	85	18	50x110	Ø9	135
BONFIGLIOLI	AS20	Ø20x40	160x130x110	100	18	60x130	Ø11	155
HYDROMEC	302A	Ø20x40	120x100x80	75	18	(50+60)x110	Ø9	130
			140x115x95	85	18	(50+37)x110	Ø9	130
			160x130x110	80	13	76x105	Ø9	132
			200x165x130	100	18	(60+47.5)x130	Ø11	155
HYDROMEC	202A	Ø16x40	120x100x80	75	18	(50+60)x110	Ø9	130
			140x115x95	85	18	(50+37)x110	Ø9	130
			160x130x110					
			200x165x130	80	13	76x105	Ø9	132
				100	18	(60+47.5)x130	Ø11	155
SEW	R27	Ø25x50	120x100x80	90	25	130x110	Ø9	151
			140x115x95					
			160x130x110					
STM	AM40	Ø20x40	120x100x80	80	18	85x110	Ø9.5	140
		(Ø19x40)	140x115x95					
		(Ø25x50)	160x130x110					
			200x165x130					
SITI	MHL20	Ø20x40		75	18	50x110	Ø9	132
NORD	SK02	20X40		86	12	60X110	Ø9	130
FLENDER	D/Z18	20X40		75	18	110X110	Ø9	135

		Output torque (Nm)	Radial load (N)	Ratio			Weight (kg)
				i min	i max/2	i max/3	2 stages only
GEARSYNC	**GI 022/3**	**200**	**5000**	**3.66**	**54**	**398.25**	**6.2 Aluminum**
MAS	H50	200	5600	2.95	75.56	320.36	13.04
MOTOVARIO	H030	200	5500	4.4	45.2	307.1	10.1 Cast Iron
MOTOVARIO	HA42	150	4300	5.3	60.6	347.2	6.1 Aluminum
BONFIGLIOLI	C212	200	5000	2.7	63.3	261.1	8.2 Aluminum
BONFIGLIOLI	AS25	160	2260	5.02	49.04	192.1	14
HYDROMEC	402A	150	3000	3.52	62.97	220.1	5.9 Aluminum
SEW	R37	200	4950	3.41	28.3	134.8	15 Cast Iron
NORD	SK12	165	4000	2.96	21.28	420	19 Cast Iron
FLENDER	D/Z38	220	4500	4.77	44.12	191.75	16 Cast Iron
STM	AM50	216	4300	6.3	29.8	146.9	13
SITI	NHL25	160	4000	1.9	49.12	240.03	15.5



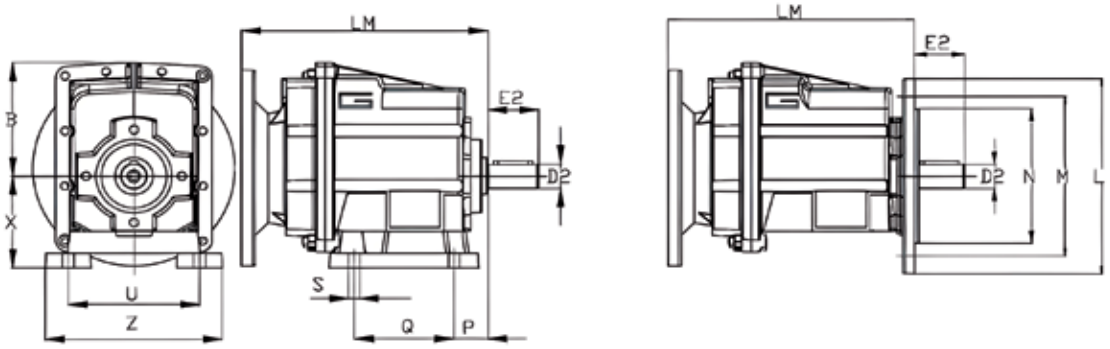
		Output shaft "D2" x "E2"	Output flange "L" x "M" x "N"	Bottom to output centerline "X"	Feet			
					"P"	"Q" x "U"*	"S"	"Z"
GEARSYNC	**GI 022/3**	**Ø25x50 1.00"**	**120x100x80**	**65**	**20**	**85x115**	**Ø9**	**139**
			140x115x95	**75**	**18**	**80x110**	**Ø9**	**140**
			160x130x110	**85**	**18**	**(50+37)x110**	**Ø9**	**130**
			200x165x130	**90**	**25**	**130x110**	**Ø9**	**135**
				80	**25**	**85x120**	**Ø9**	**140**
				100	**18**	**(60+47.5)x130**	**Ø11**	**155**
MAS	H50	25mm	120x100x80	110	13	105x150	9	180
		30mm	160x130x110					
		1.00"	200x165x130					
MOTOVARIO	H030	Ø25x50	140x115x95	90	25	130x110	Ø11	140
			160x130x110					
			200x165x130					
			120x100x80					
MOTOVARIO	HA42	Ø25x50	140x115x95	80	25	85x110/120	Ø9	145
			160x130x110					
BONFIGLIOLI	C212	Ø25x50	140x115x95	100	18	(60+47.5)x130	Ø11	155
			160x130x110					
			200x165x130					
BONFIGLIOLI	AS25	Ø25x50	130x165x200	110	18	70x160	Ø11	190
HYDROMEC	402A	Ø25x50	120x100x80	80	25	85x110/120	Ø9	145
			140x115x95	100	18	(60+47.5)x130	Ø11	155
			160x130x110	75	18	85x110	Ø10	145
			200x165x130	85	18	(50+37)x110	Ø9	130
				90	25	130x110	Ø9	145
SEW	R37	Ø25x50	120x100x80	90	25	130x110	Ø9	145
			160x130x110					
			200x165x130					
NORD	SK12	Ø25x50		102	28	62x105	Ø9	135
FLENDER	D/Z38	Ø25x50		90	25	130x110	Ø9.8	163
		Ø30x60						
STM	AM50	(Ø25x50)	120x100x80	90	25	130x110	Ø9.5	145
			160x130x110					
			200x165x130					
			250x215x180					

		Output torque (Nm)	Radial load (N)	Ratio			Weight (kg)
				i min	i max/2	i max/3	2 stages only
GEARSYNC	**GI 032/3**	**300**	**6500**	**3.74**	**51.3**	**378.64**	**11.3 Aluminum**
MAS	H55	270	5600	5.98	80.81	342.63	18.18
MOTOVARIO	H040	300	6600	5.1	51.9	352.6	13 Cast Iron
MOTOVARIO	HA52	300	6000	5.1	61.8	353.9	14.1 Aluminum
BONFIGLIOLI	C312	300	5500	2.9	66.8	274.7	15 Aluminum
BONFIGLIOLI	AS25	160	2260	5.02	49.04	192.1	14
BONFIGLIOLI	AS30	320	3300	5.11	36.82	151.1	23
HYDROMEC	502A	320	5000	3.61	60.9	480.16	11.9 Aluminum
SEW	R47	300	5420	3.83	33.79	176.8	19 Cast Iron
NORD	SK22	312	5600	2.79	16.75	124.1	31 Cast Iron
FLENDER	D/Z38	220	4500	4.77	44.12	191.75	16 Cast Iron
SITI	NHL30	350	5500	2.25	48.76	466.86	26



		Output shaft "D2" x "E2"	Output flange "L" x "M" x "N"	Bottom to output centerline "X"	Feet			
					"P"	"Q" x "U"*	"S"	"Z"
GEARSYNC	**GI 032/3**	**Ø30x60 1.250"**	**160x130x110**	**95**	**30**	**105x160**	**Ø14**	**194**
			200x165x130	**110**	**30**	**100x150**	**Ø11**	**185**
			250x215x180	**110**	**18**	**70x160**	**Ø11**	**185**
				115	**30**	**165x135**	**Ø14**	**170**
				120	**35**	**110x170**	**Ø14**	**210**
MAS	H55	Ø30x60	200x165x130	120	18	160x105	11	190
		Ø35x70	250x215x180					
		1.25"x60						
MOTOVARIO	H040	Ø30x60	140x115x95	115	30	165x35	Ø14	170
			160x130x110					
			200x165x130					
MOTOVARIO	HA52	Ø30x60	140x115x95	80	25	85x110/120	Ø9	145
			160x130x110					
BONFIGLIOLI	C312	Ø30x60	160x130x110	110	18	70+60x160	Ø11	190
			200x165x130					
			250x215x180					
BONFIGLIOLI	AS25	Ø25x50	200x165x130	110	18	70x160	Ø11	190
BONFIGLIOLI	AS30	Ø30x60	250x215x180	130	20	105x180	Ø14	215
HYDROMEC	502A	Ø30x60	160x130x110	110	30	100x135/150	Ø11	190
			200x165x130	110	18	130x160	Ø11	190
			250x215x180	115	30	165x135	Ø13.5	170
SEW	R47	Ø30x60	140x115x95	115	30	165x135	Ø13.5	170
			160x130x110					
			200x165x130					
NORD	SK22	Ø30x60		125	14	80x160	Ø11	185
FLENDER	D/Z38	Ø25x50		90	25	130x110	Ø9.8	163
		Ø30x60						
SITI	NHL30	Ø30x60		115	30	165x135	Ø14	200

		Output torque (Nm)	Radial load (N)	Ratio			Weight (kg)
				i min	i max/2	i max/3	2 stages only
GEARSYNC	**GI 042/3**	**500**	**8000**	**3.74**	**51.3**	**378.64**	**13.2 Aluminum**
MAS	H60	400	8000	5.28	73.56	473.94	25.64
MOTOVARIO	H050	500	8000	5.7	56.1	267.7	18.3 Cast Iron
MOTOVARIO	HA62	500	8000	5.1	61.8	353.9	16.5 Aluminum
BONFIGLIOLI	C352	450	6500	2.7	19	206.4	21.8 Aluminum
BONFIGLIOLI	C412	600	7000	2.7	44.8	209.1	28 Aluminum
BONFIGLIOLI	AS35	480	7200	5.11	36.82	151.1	24
HYDROMEC	602A	460	6500	3.61	60.9	363.6	14.5 Aluminum
SEW	R57	450	7110	4.39	26.31	186.89	23 Cast Iron
NORD	SK32	608	7000	2.83	30.43	207.1	42 Cast Iron
FLENDER	D/Z48	450	8450	4.28	51.28	208.7	26 Cast Iron
STM	AM60	460	6500	7.9	32.3	164.1	20
SITI	NHL35	510	7000	5.12	45.95	439.92	28



		Output shaft "D2" x "E2"	Output flange "L" x "M" x "N"	Bottom to output centerline "X"	Feet			
					"P"	"Q" x "U"*	"S"	"Z"
GEARSYNC	**GI 042/3**	**Ø35x70 1.375"**	**160x130x110**	**95**	**30**	**105x160**	**Ø14**	**194**
			200x165x130	**110**	**30**	**100x150**	**Ø11**	**185**
			250x215x180	**110**	**18**	**70x160**	**Ø11**	**185**
				115	**30**	**165x135**	**Ø14**	**170**
				120	**35**	**110x170**	**Ø14**	**210**
MAS	H60	Ø30x60	200x165x130	138	18	165x120	11	200
		Ø30x70	250x215x180					
		1.375"x70						
MOTOVARIO	H050	Ø35x70	200x165x130	115	30	165x135	Ø13.5	185
			250x215x180					
MOTOVARIO	HA62	Ø40x80	200x165x130	120	35	110x170/185	Ø14	230
			250x215x180					
BONFIGLIOLI	C352	Ø35x70	200x165x130					
			250x215x180	115	21	130x170	Ø14	205
BONFIGLIOLI	C412	Ø35x70	200x165x130	130	20	149.5x180	Ø14	216
			250x215x180					
BONFIGLIOLI	AS35	Ø35x80	250x215x180	130	20	105x180	Ø14	215
HYDROMEC	602A	Ø35x70	160x130x110	120	35	110x170/185	Ø14	230
			200x165x130	115	30	165x135	Ø13.5	170
			250x215x180	130	20	149.5x180	Ø14	216
SEW	R57	Ø35x70	160x130x110	115	30	165x135	Ø13.5	190
			200x165x130					
			250x215x180					
NORD	SK32	Ø40x80		155	16	120x185	Ø13	210
FLENDER	D/Z48	Ø30x60		115	30.5	165x135	Ø13.5	220
		Ø40x80						
STM	AM60	Ø30x60	160x130x110	115	30	165x135	Ø14	185
		(Ø28x60)	200x165x130					
		(Ø35x70)	250x215x180					
SITI	NHL35	Ø35x70		115	30	165x135	Ø14	200

GHI IRON Series

UP TO 3,500 Nm

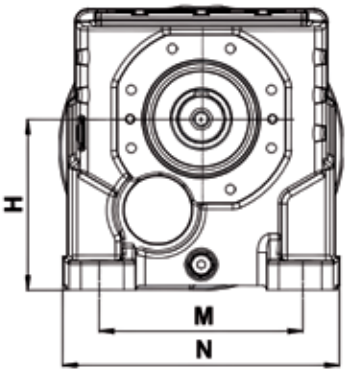
The main features of GHI range are:

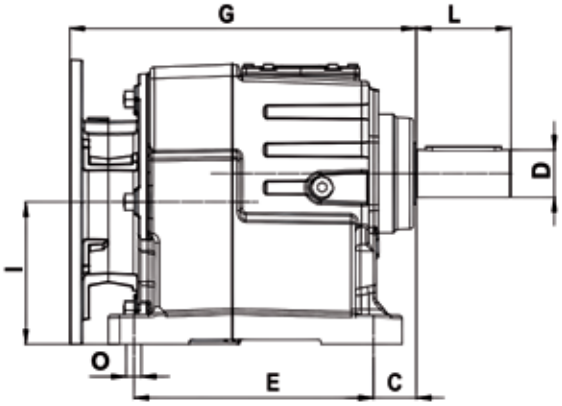
- **Robust cast iron housings**
- **High degree of modularity**
- **Lubrication with synthetic oil**
- **Coupled to motor with flexible coupling**
- **Epoxy powder coating RAL 7016 standard**

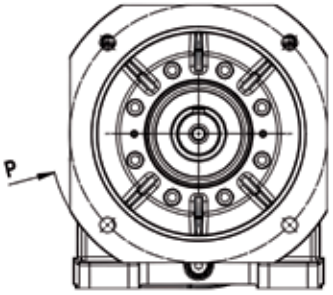
Standard Shaft	Inch	mm
GHI 112 – GHI 113	1.375	35 40* Special
GHI 122 – GHI 123	1.625	40 50* Special
GHI 132 – GHI 133	2.125	50 60* Special
GHI 142 – GHI 143	2.375	60 70* Special

*Note: Available, but not a standard offering

		Output shaft diameter	M2 max (Nm)	Ratio			IEC max		NEMA max		Max radial load (N)
				i min	i max/2	i max/3	2nd	3rd	2nd	3rd	
GEARSYNC	**GHI 112/3**	**35, 1.375"**	**700**	**5.38**	**57.21**	**246.59**	**132B5**	**90BS**	**210TC**	**140TC**	**8200**
MAS	H65	35, 40, 45, 1.375"	560	5.40	75.25	484.81	112	90	213	143	
SEW	R67	35	600	4.29	28.13	199.81	132B5	132B5			8400
NORD	SK672.1/673.1	35	640	2.66	56.65	362.43	132B5	90B5			10000
SIEMENS	Z48-D48	30 (35)	450	4.28	51.28	208.77	132B5	100/112B5			8800
MOTOVARIO	H052-H053	35	500	5.73	56.11	267.65	100/112B5	90B5			8000
BONFIGLIOLI	C41	35	600	2.7	44.8	209.1	132B5	132B5			7000



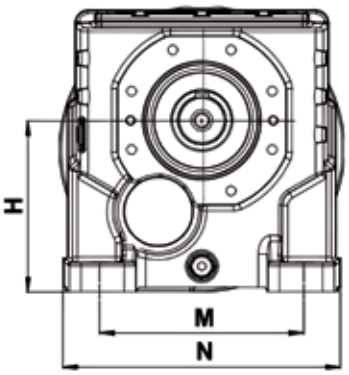


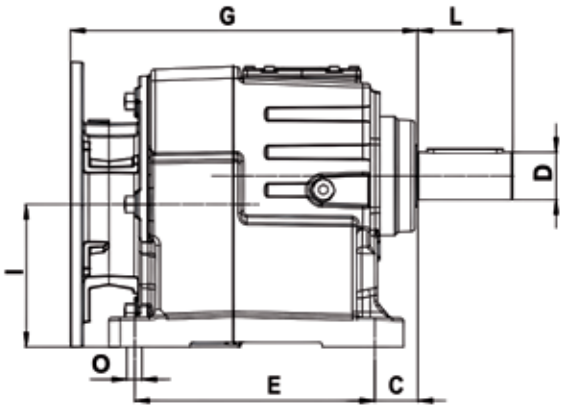


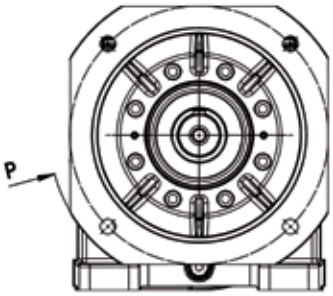
Output Flange

		Output shaft "D"	Output shaft length "L"	Bottom to output centerline "H"	Mounting "M"	Overall width "N"	Mounting "C"	Mounting "E"	Mounting hole "O"	Bottom to input centerline "I"	Output flange "P"
GEARSYNC	**GHI 112/3**	**35, 1.375"**	**70**	**130**	**150**	**210**	**30**	**195**	**14**	**101.5**	**200-250**
MAS	H65	30, 40, 45, 1.375"	70	145	180	220	22	125	14	85.2	200-250
SEW	R67	35	70	130	150	210	30	195	14	109.3	200-250
NORD	SK672.1 /673.1	35	70	130	150	210	30	195	14	123	200-250
SIEMENS	Z48-D48	30 (35)	60 (70)	115	135	220	30	165	13.5	115	200-250-300
MOTOVARIO	H052-H053	35	70	115	135	185	30	165	14	89.5	200-250
BONFIGLIOLI	C41	35	70	130	180	216	19.5	149.5	14	130	200-250

		Output shaft diameter	M2 max (Nm)	Ratio			IEC max		NEMA max		Max radial load (N)
				i min	i max/2	i max/3	2nd	3rd	2nd	3rd	
GEARSYNC	**GHI 122/3**	**40, 1.625"**	**980**	**5.17**	**50.40**	**280.29**	**132B5**	**100/112B5**	**210TC**	**180TC**	**12500**
MAS	H70	40, 45, 50, 1.625"	800	5.16	64.70	540.74	132	112			
SEW	R77	40	820	5.31	23.37	195.94	132B5	132B5			9920
NORD	SK772.1/773.1	40	820	3.12	26.86	395.46	132B5	132B5			14200-17000
SIEMENS	Z68-D68	40	800	3.49	48.09	281.01	132B5	110/112B5			14100
MOTOVARIO	H062-H063	40	850	5.38	46.06	268.00	132B5	110/112B5			12000
BONFIGLIOLI	C51	40	1000	2.6	57.0	216.7	180B5	180B5			10000



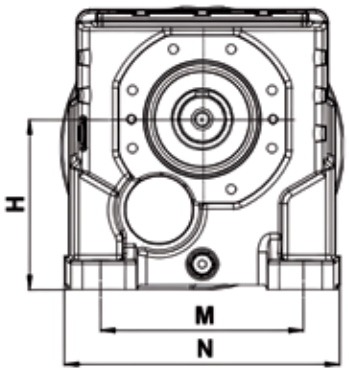


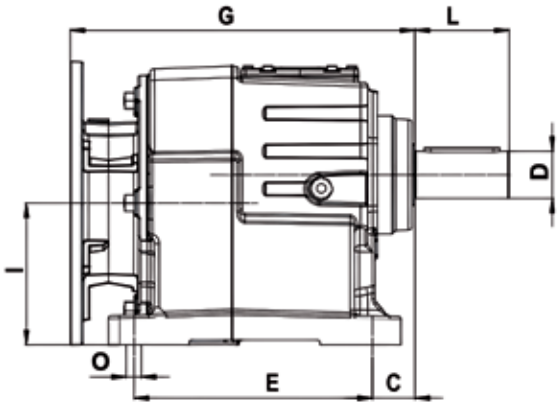


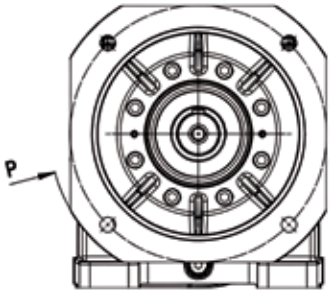
Output Flange

		Output shaft "D"	Output shaft length "L"	Bottom to output centerline "H"	Mounting "M"	Overall width "N"	Mounting "C"	Mounting "E"	Mounting hole "O"	Bottom to input centerline "I"	Output flange "P"
GEARSYNC	**GHI 122/3**	**40, 1.625"**	**80**	**140**	**170**	**220**	**35**	**205**	**14**	**108**	**200-250-300**
MAS	H70	40, 45, 50, 1.625"	80	168	225	260	31	135	14	161.2	250-300
SEW	R77	40	80	140	170	230	35	205	17.5	124.1	250-300
NORD	SK772.1 /773.1	40	80	140	170	237	35	205	17.5	135	200-250-300
SIEMENS	Z68-D68	40	80	140	170	263	35	205	17.5	140	250-300-350
MOTOVARIO	H062-H063	40	80	140	170	220	35	205	16	109	200-250-300
BONFIGLIOLI	C51	40	80	155	225	270	25	156	18	155	250-300

		Output shaft diameter	M2 max (Nm)	Ratio			IEC max		NEMA max		Max radial load (N)
				i min	i max/2	i max/3	2nd	3rd	2nd	3rd	
GEARSYNC	**GHI 132/3**	**50, 2.125"**	**1900**	**5.03**	**49.88**	**230.85**	**160B5**	**110112B5**	**280**	**180**	**18500**
MAS	H80	50, 55, 60, 2.125"	1400	5.61	59.81	584.62	160	112	284	213	
SEW	R87	50	1550	5.30	34.40	246.54	180B5	160B5			16900
NORD	SK872.1-SK873.1	50	1600	3.18	42.67	439.77	180B5	180B5			19800-25000
SIEMENS	Z88-D88	50	1680	3.11	50.73	300.41	160B5	132B5			23000
MOTOVARIO	H0823	50	1800	5.39	48.13	222.78	160B5	132B5			18000
BONFIGLIOLI	C61	50	1600	2.8	38.0	195.8	180B5	180B5			16000





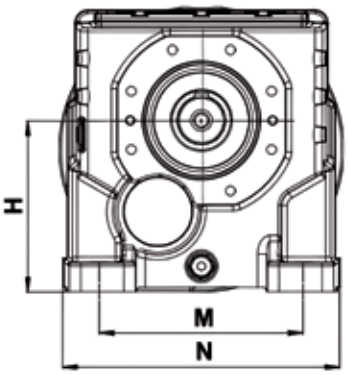


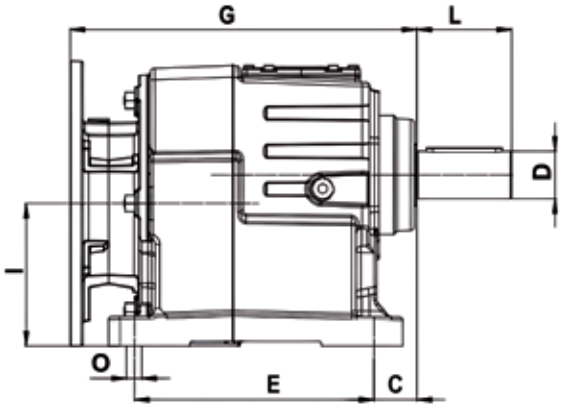
Output Flange

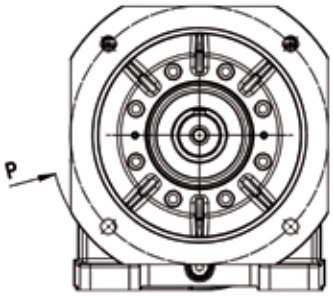
		Output shaft "D"	Output shaft length "L"	Bottom to output centerline "H"	Mounting "M"	Overall width "N"	Mounting "C"	Mounting "E"	Mounting hole "O"	Bottom to input centerline "I"	Output flange "P"
GEARSYNC	**GHI 132/3**	**50, 2.125"**	**100**	**180**	**215**	**290**	**40**	**260**	**18**	**150**	**250-300-350**
MAS	H80	50, 55, 60, 2.125"	100	196	237	290	40	230	18	184	300-350
SEW	R87	50	100	180	215	290	40	260	17.5	167.4	300-350
NORD	SK872.1 /873.1	50	100	180	215	300	40	260	17.5	174	250-300-350
SIEMENS	Z88-D88	50	100	180	215	332	40	260	17.5	180	300-350-450
MOTOVARIO	H082-H083	50	100	180	215	280	40	260	18	149	250-300-350
BONFIGLIOLI	C61	50	100	195	250	300	25	180	18	195	300-350

GHI 142 – 143 Compatibility Guide IRON Series

		Output shaft diameter	M2 max (Nm)	Ratio			IEC max		NEMA max		Max radial load (N)
				i min	i max/2	i max/3	2nd	3rd	2nd	3rd	
GEARSYNC	**GHI 142/3**	**60, 2.375"**	**3500**	**6.15**	**51.76**	**252.87**	**200B5**	**132B5**	**280**	**210**	**22500**
MAS	H85	50, 55, 60, 2.375"	2000	6.02	64.17	627.27	160	112	284	213	
	H110	65, 70, 2.375"	3000	6.21	69.63	373.10	200	112	284	213	
SEW	R97	60	3000	4.5	32.05	289.74	225B5	225B5			19800
NORD	SK972.1-SK973.1	60	3300	3.33	42.76	456.77	200B5	180B5			28100-32300
SIEMENS	Z108-D108	60	3100	3.42	59.05	359.30	200B5	160B5			35200
MOTOVARIO	H102/3	60	3500	5.26	51.52	242.59	180B5	160B5			22000
BONFIGLIOLI	C70	60	2300	4.6	34.7	239.3	200B5	180B5			25000







Output Flange

		Output shaft "D"	Output shaft length "L"	Bottom to output centerline "H"	Mounting "M"	Overall width "N"	Mounting "C"	Mounting "E"	Mounting hole "O"	Bottom to input centerline "I"	Output flange "P"
GEARSYNC	**GHI 142/3**	**60, 2.375"**	**120**	**225**	**250**	**340**	**40**	**310**	**22**	**186.5**	**300-350-450**
MAS	H85	65, 70, 2.375"	120	210	266	310	26	200	18	222.4	300-350
	H110	65, 70, 2.375"	120	250	310	370	50	340	22	279.3	450
SEW	R97	60	120	225	250	340	40	310	22	214.8	350-450
NORD	SK972.1 /973.1	60	120	225	250	348	40	310	22	213.5	300-350-450
SIEMENS	Z108-D108	60	120	225	250	410	39.5	310	22	225	350-450
MOTOVARIO	H102-H103	60	120	225	250	330	40	310	22	189.5	300-350
BONFIGLIOLI	C70	60	120	210	300	350	25	165	22	210	350

NOTES

ABOUT DIEQUA

Founded in 1980 by Dietmar Quaas, and now owned by his sons, DieQua Corporation has expanded from a single product line to become a leading manufacturer and supplier of an extensive line of high-quality power transmission and precision motion control products, including gearboxes, servo gearheads, screw jack systems, speed reducers, cycloidal reducers, and connecting components. The company also offers custom product modifications and complete design solutions for virtually any application. DieQua Corporation serves a wide range of industries, including medical and health care, marine engineering, renewable energy, mining, transportation, steel, forestry and lumber, water and wastewater, automotive, and factory automation, to name a few.

An experienced and knowledgeable technical sales, customer service, and engineering support staff, as well as local distributors, ensure that DieQua customers in North America, Mexico and South America select the optimum components, systems, and best design solutions for their specific requirements.

The DieQua family of products


Spiral Bevel Gearboxes


Servo Gearheads

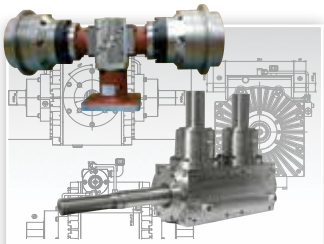

Cycloidal Reducers & Positioners


Screw Jack Systems


Helical Speed Reducers


Speed Modulating Gearboxes


Zero Backlash Couplings and Line Shafts


Custom Designs

The DieQua Advantage

Engineering Support

DieQua Corporation has several decades of combined experience specifying power transmission and motion control components. This assures proper selection of components and systems to suit your unique requirements.

Warehousing

We pride ourselves for our extensive in-stock inventory. For fast product turnaround, DieQua Corporation stocks many components of various ratios and sizes, ready to ship fast.

Manufacturing and Assembly

DieQua Corporation now manufactures or assembles most of the products, for on-time delivery of standard orders as well as prototypes. We are ISO 9001 certified and are constantly improving our quality systems to ensure our customers receive the best products.

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