

Series GB planetary gearboxes

Available sizes: 40, 60, 80, 120

SERIES GB PLANETARY GEARBOXES



- » Reduced play
- » Prepared to be connected with Series MTB and Series MTS motors
- » High performance
- » 4 Reduction ratios available (i=3,5,7,10)
- » Silent operation
- » Any mounting position
- » Lifetime lubrication
- » Available in in-line and orthogonal configurations

The Series GB planetary gearboxes, by means of a planetary gear system, enable the reduction of the angular speed and the increase of transmittable torque. These gearboxes can be used with the Series 5E and 5V electromechanical axes and with the Series 6E electromechanical cylinders.

Available in 4 sizes with 4 different reduction ratios, the Series GB planetary gearboxes can be supplied in two different configurations, in-line or orthogonal.

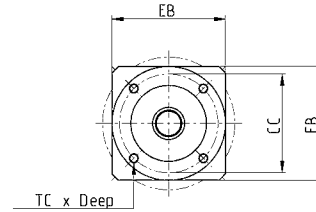
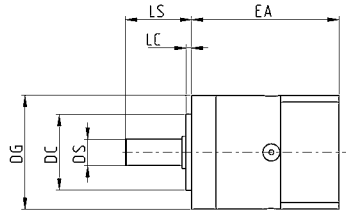
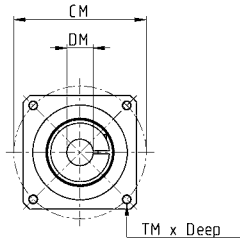
All gearboxes are equipped with interface flanges for the connection to the Camozzi Series MTB and Series MTS motors.

CODING EXAMPLE

GB	-	040	-	03	-	D	-	0100
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GB	GEARBOX
040	SIZE: 040 = Ø40 060 = Ø60 080 = Ø80 120 = Ø120
03	REDUCTION RATIO: 03 i = 3 05 i = 5 07 i = 7 10 i = 10
D	TYPE: D = straight A = angular
0100	PREPARATION OF THE MOTOR: 0100 = Brushless 100W (size 040 only) 0400 = Brushless 400W (size 060 only) 0750 = Brushless 750W (size 080 only) 1000 = Brushless 1000W (size 120 only) 0024 = Nema 24

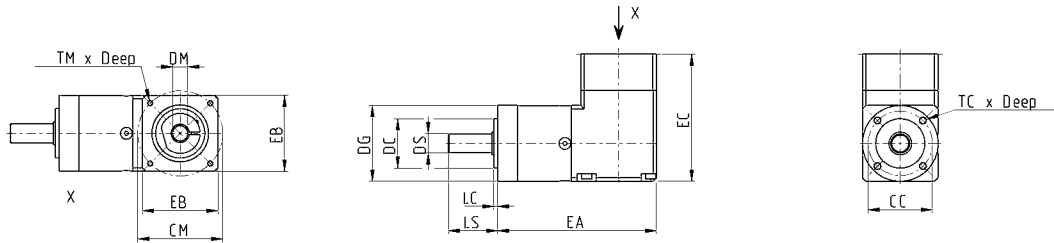
IN-LINE PLANETARY GEARBOX



SERIES GB PLANETARY GEARBOXES

Mod.	BACKLASH	$\phi_{DS}^{(h7)}$	LS	$\phi_{DC}^{(h7)}$	LC	ϕ_{CC}	TC x Deep	EA	EB	ϕ_{DG}	ϕ_{DM}	ϕ_{CM}	TM x Deep	Weight (Kg)
GB-040-03-D-0100	<15'	10	26	26	2	34	M4 x 6	67.5	40	40	8	45	M3 x 8	0.35
GB-040-05-D-0100	<15'	10	26	26	2	34	M4 x 6	67.5	40	40	8	45	M3 x 8	0.35
GB-040-07-D-0100	<15'	10	26	26	2	34	M4 x 6	67.5	40	40	8	45	M3 x 8	0.35
GB-040-10-D-0100	<15'	10	26	26	2	34	M4 x 6	67.5	40	40	8	45	M3 x 8	0.35
GB-040-03-D-0024	<15'	10	26	26	2	34	M4 x 6	63.5	60	40	8	66.7	M4 x 10	0.35
GB-040-05-D-0024	<15'	10	26	26	2	34	M4 x 6	63.5	60	40	8	66.7	M4 x 10	0.35
GB-040-07-D-0024	<15'	10	26	26	2	34	M4 x 6	63.5	60	40	8	66.7	M4 x 10	0.35
GB-040-10-D-0024	<15'	10	26	26	2	34	M4 x 6	63.5	60	40	8	66.7	M4 x 10	0.35
GB-060-03-D-0400	<10'	14	35	40	3	52	M5 x 8	78	60	60	14	70	M5 x 12	0.9
GB-060-05-D-0400	<10'	14	35	40	3	52	M5 x 8	78	60	60	14	70	M5 x 12	0.9
GB-060-07-D-0400	<10'	14	35	40	3	52	M5 x 8	78	60	60	14	70	M5 x 12	0.9
GB-060-10-D-0400	<10'	14	35	40	3	52	M5 x 8	78	60	60	14	70	M5 x 12	0.9
GB-060-03-D-0024	<10'	14	35	40	3	52	M5 x 8	71	60	60	8	66.7	M4 x 10	0.9
GB-060-05-D-0024	<10'	14	35	40	3	52	M5 x 8	71	60	60	8	66.7	M4 x 10	0.9
GB-060-07-D-0024	<10'	14	35	40	3	52	M5 x 8	71	60	60	8	66.7	M4 x 10	0.9
GB-060-10-D-0024	<10'	14	35	40	3	52	M5 x 8	71	60	60	8	66.7	M4 x 10	0.9
GB-080-03-D-0750	<7'	20	40	60	3	70	M6 x 10	103.5	80	80	19	90	M6 x 15	2.1
GB-080-05-D-0750	<7'	20	40	60	3	70	M6 x 10	103.5	80	80	19	90	M6 x 15	2.1
GB-080-07-D-0750	<7'	20	40	60	3	70	M6 x 10	103.5	80	80	19	90	M6 x 15	2.1
GB-080-10-D-0750	<7'	20	40	60	3	70	M6 x 10	103.5	80	80	19	90	M6 x 15	2.1
GB-080-03-D-0024	<7'	20	40	60	3	70	M6 x 10	93.5	80	80	8	66.7	M4 x 10	2.1
GB-080-05-D-0024	<7'	20	40	60	3	70	M6 x 10	93.5	80	80	8	66.7	M4 x 10	2.1
GB-080-07-D-0024	<7'	20	40	60	3	70	M6 x 10	93.5	80	80	8	66.7	M4 x 10	2.1
GB-080-10-D-0024	<7'	20	40	60	3	70	M6 x 10	93.5	80	80	8	66.7	M4 x 10	2.1
GB-120-03-D-1000	<7'	25	55	80	4	100	M10 x 16	136.5	130	115	24	145	M8 x 18	6
GB-120-05-D-1000	<7'	25	55	80	4	100	M10 x 16	136.5	130	115	24	145	M8 x 18	6
GB-120-07-D-1000	<7'	25	55	80	4	100	M10 x 16	136.5	130	115	24	145	M8 x 18	6
GB-120-10-D-1000	<7'	25	55	80	4	100	M10 x 16	136.5	130	115	24	145	M8 x 18	6

ORTHOGONAL PLANETARY GEARBOX



Mod.	BACKLASH	$\phi_{DS}^{(h7)}$	LS	$\phi_{DC}^{(h7)}$	LC	ϕ_{CC}	TC x Deep	EA	EB	EC	ϕ_{DG}	ϕ_{DM}	ϕ_{CM}	TM x Deep	Weight (Kg)
GB-040-03-A-0100	<21'	10	26	26	2	34	M4 x 6	84	40	67	40	8	45	M3 x 7	0.51
GB-040-05-A-0100	<21'	10	26	26	2	34	M4 x 6	84	40	67	40	8	45	M3 x 7	0.51
GB-040-07-A-0100	<21'	10	26	26	2	34	M4 x 6	84	40	67	40	8	45	M3 x 7	0.51
GB-040-10-A-0100	<21'	10	26	26	2	34	M4 x 6	84	40	67	40	8	45	M3 x 7	0.51
GB-040-03-A-0024	<21'	10	26	26	2	34	M4 x 6	84	60	63	40	8	66.7	M4 x 7	0.51
GB-040-05-A-0024	<21'	10	26	26	2	34	M4 x 6	84	60	63	40	8	66.7	M4 x 7	0.51
GB-040-07-A-0024	<21'	10	26	26	2	34	M4 x 6	84	60	63	40	8	66.7	M4 x 7	0.51
GB-040-10-A-0024	<21'	10	26	26	2	34	M4 x 6	84	60	63	40	8	66.7	M4 x 7	0.51
GB-060-03-A-0400	<16'	14	35	40	3	52	M5 x 8	112	60	92.5	60	14	70	M5 x 12	1.7
GB-060-05-A-0400	<16'	14	35	40	3	52	M5 x 8	112	60	92.5	60	14	70	M5 x 12	1.7
GB-060-07-A-0400	<16'	14	35	40	3	52	M5 x 8	112	60	92.5	60	14	70	M5 x 12	1.7
GB-060-10-A-0400	<16'	14	35	40	3	52	M5 x 8	112	60	92.5	60	14	70	M5 x 12	1.7
GB-060-03-A-0024	<16'	14	35	40	3	52	M5 x 8	71	60	85.5	60	8	66.7	M4 x 10	1.7
GB-060-05-A-0024	<16'	14	35	40	3	52	M5 x 8	71	60	85.5	60	8	66.7	M4 x 10	1.7
GB-060-07-A-0024	<16'	14	35	40	3	52	M5 x 8	71	60	85.5	60	8	66.7	M4 x 10	1.7
GB-060-10-A-0024	<16'	14	35	40	3	52	M5 x 8	71	60	85.5	60	8	66.7	M4 x 10	1.7
GB-080-03-A-0750	<13'	20	40	60	3	70	M6 x 10	144	80	119.5	80	19	90	M6 x 15	4.4
GB-080-05-A-0750	<13'	20	40	60	3	70	M6 x 10	144	80	119.5	80	19	90	M6 x 15	4.4
GB-080-07-A-0750	<13'	20	40	60	3	70	M6 x 10	144	80	119.5	80	19	90	M6 x 15	4.4
GB-080-10-A-0750	<13'	20	40	60	3	70	M6 x 10	144	80	119.5	80	19	90	M6 x 15	4.4
GB-080-03-A-0024	<13'	20	40	60	3	70	M6 x 10	144	80	109.5	80	8	66.7	M4 x 10	4.4
GB-080-05-A-0024	<13'	20	40	60	3	70	M6 x 10	144	80	109.5	80	8	66.7	M4 x 10	4.4
GB-080-07-A-0024	<13'	20	40	60	3	70	M6 x 10	144	80	109.5	80	8	66.7	M4 x 10	4.4
GB-080-10-A-0024	<13'	20	40	60	3	70	M6 x 10	144	80	109.5	80	8	66.7	M4 x 10	4.4
GB-120-03-A-1000	<11'	25	55	80	4	100	M10 x 16	194.5	130	160.5	115	24	145	M8 x 18	12
GB-120-05-A-1000	<11'	25	55	80	4	100	M10 x 16	194.5	130	160.5	115	24	145	M8 x 18	12
GB-120-07-A-1000	<11'	25	55	80	4	100	M10 x 16	194.5	130	160.5	115	24	145	M8 x 18	12
GB-120-10-A-1000	<11'	25	55	80	4	100	M10 x 16	194.5	130	160.5	115	24	145	M8 x 18	12