

## GTE Series Gearbox Ordering Method

Example:	G	T	E	1	2	0	-	N	N	1	-	0	0	5	A	-	N	N	0	9
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### 1. Gearbox Model

1.1 Economy in-line planetary gear reducer ..... = GTE

### 2. Output Flange Size

2.1 GTE Series (mm) ..... = 040, 060, 080, 120, 160

### 3. Output Shaft Direction/Orientation

3.1 Solid Shaft (standard) ..... = NN

### 4. Number of Stages

4.1 GTE Single-Stage Ratio: 3, 4, 5, 8 ..... = 1

4.2 GTE Two-Stage Ratio: 12, 20, 40 ..... = 2

### 5. Reduction Ratio

5.1 Example 5:1 ..... = 005

### 6. Keyway/Backlash Options

6.1 Shaft w/keyway; Standard backlash ..... = A

6.2 Smooth shaft; Standard backlash ..... = B

6.3 Shaft w/keyway; Reduced backlash ..... = C

6.4 Smooth shaft; Reduced backlash ..... = D

### 7. Motor Designation

7.1 Bosch Rexroth Motors

7.2 Third Party Motors

## GTEN Series Gearbox Ordering Method

Example:	G	T	E	N	1	2	0	-	N	N	1	-	0	0	5	A	-	N	N	0	9
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### 1. Gearbox Model

1.1 Economy in-line planetary gear reducer . . . . . = GTEN

### 2. Output Flange Size

2.1 GTEN Series (mm) . . . . . = 040, 060, 080, 120, 160

### 3. Output Shaft Direction/Orientation

3.1 Solid Shaft (standard) . . . . . = NN

### 4. Number of Stages

4.1 GTEN Single-Stage Ratio: 3, 4, 5, 8 . . . . . = 1

4.2 GTEN Two-Stage Ratio: 12, 20, 40 . . . . . = 2

### 5. Reduction Ratio

5.1 Example 5:1 . . . . . = 005

### 6. Keyway/Backlash Options

6.1 Shaft w/keyway; Standard backlash . . . . . = A

6.2 Smooth shaft; Standard backlash . . . . . = B

6.3 Shaft w/keyway; Reduced backlash . . . . . = C

6.4 Smooth shaft; Reduced backlash . . . . . = D

### 7. Motor Designation

7.1 Bosch Rexroth Motors

7.2 Third Party Motors

## GTEG Series Gearbox Ordering Method

Example:	G	T	E	G	1	2	0	-	N	N	1	-	0	0	5	A	-	N	N	0	9
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### 1. Gearbox Model

1.1 Economy in-line planetary gear reducer . . . . . = GTEG

### 2. Output Flange Size

2.1 GTEG Series (mm). . . . . = 060, 080, 120

### 3. Output Shaft Direction/Orientation

3.1 Solid Shaft (standard) . . . . . = NN

### 4. Number of Stages

4.1 GTEG Single-Stage Ratio: 3, 4, 5, 7, 10 . . . . . = 1

4.2 GTEG Two-Stage Ratio: 12, 16, 20, 25, 35, 40, 50, 70, 100. . . . . = 2

### 5. Reduction Ratio

5.1 Example 5:1 . . . . . = 005

### 6. Keyway/Backlash Options

6.1 Shaft w/keyway; Standard backlash . . . . . = A

6.2 Smooth shaft; Standard backlash . . . . . = B

6.3 Shaft w/keyway; Reduced backlash . . . . . = C

6.4 Smooth shaft; Reduced backlash . . . . . = D

### 7. Motor Designation

7.1 Bosch Rexroth Motors

7.2 Third Party Motors

## GTEZ Series Gearbox Ordering Method

Example:	G	T	E	Z	1	2	0	-	N	N	1	-	0	0	5	A	-	N	N	0	9
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### 1. Gearbox Model

1.1 Economy in-line planetary gear reducer . . . . . = GTEZ

### 2. Output Flange Size

2.1 GTEZ Series (mm) . . . . . = 040, 060, 080, 120, 160

### 3. Output Shaft Direction/Orientation

3.1 Solid Shaft (standard) . . . . . = NN

### 4. Number of Stages

4.1 GTEZ Single-Stage Ratio: 3, 4, 5, 7, 8, 9\*, 10\*\* . . . . . = 1

4.2 GTEZ Two-Stage Ratio: 12, 15, 16, 20, 25, 28, 35, 40, 49\*, 50\*\*, 70, 100 . . . . . = 2

\* 9:1 and 49:1 ratios available only for GTEZ 040

\*\* 10:1 and 50:1 ratios not available for GTEZ 040

### 5. Reduction Ratio

5.1 Example 5:1 . . . . . = 005

### 6. Keyway/Backlash Options

6.1 Shaft w/keyway; Standard backlash . . . . . = A

6.2 Smooth shaft; Standard backlash . . . . . = B

6.3 Shaft w/keyway; Reduced backlash . . . . . = C

6.4 Smooth shaft; Reduced backlash . . . . . = D

### 7. Motor Designation

7.1 Bosch Rexroth Motors

7.2 Third Party Motors

7.1 Bosch Rexroth Motors

Motor		Gearbox				
		GTE040	GTE060	GTE080	GTE120	GTE160
MSM	020B	NN41				
	030B		NN42			
	030C			NN43		
	040B			NN44	NN44	
MKD	025		NN02			
	041			NN03	NN03	
	071				<b>NN05</b>	<b>NN05</b>
	090					NN06
	112					<b>NN09</b>
MSK	030		NN02	NN02		
	040			NN03	NN03	
	050				NN20	NN20
	060				<b>NN21</b>	NN21
	061					
	070					NN16
	071					NN16
	076					
	100					NN09
	101					
KSD	061					
	071					
	076					

**NNxx**: only single stage available

Sample: GTE160-NN1-010A-**NN05** = MKD071 Motor

## 7.2 Third Party Motors

Shaft Diameter (mm)	Type-Code	Shaft Diameter (in)	Type-Code
3	03	1/8	IA
4	04	3/16	IB
5	05	1/4	IC
6	06	5/16	ID
7	07	3/8	IE
8	08	1/2	IF
9	09	5/8	IG
10	10	3/4	IH
11	11	7/8	II
12	12	<b>1 1/8</b>	<b>IJ</b>
14	14	1 3/8	IK
16	16	1 5/8	IL
19	19	1 7/8	IM
22	22	2 1/8	IN
24	24	2 3/8	IO
<b>28</b>	<b>28</b>	2 7/8	IP
32	32	TBD	IQ
etc.	etc.	etc.	etc.

Sample:

Use "28" for 28 mm, etc.

GTM140-NN1-010A-**28**BB = 28 mm shaft and "GTM140-BB" flange

Use "IJ" for 1 1/8" ( I = "Imperial" or "Inch ), etc.

GTM140-NN1-010A-**IJ**BB = 1 1/8" shaft and "GTM140-BB" flange