GSLR Planetary Gearboxes:
Right Angle, Straight Cut, Round Flange

Identifier Number	Definition	Possible Codes	Description/Size	Notes
1	Product Family ID	G	"Gearbox"	This character always stays the same
2	Gearbox Style/Family	SL	Straight Cut Planetary, Round output flange	
3	Angle of Gearbox	R	Right Angle	
4	Output Body (mm)	060	60 mm	Only available for NEMA 23
		080	80 mm	Only available for NEMA 34
5	Gear Ratio	003, 004 ... 008, 010	X:1 ratio, 1-Stage	Exception is a 9:1 ratio, which is a 2-Stage gearbox
		009, 012 ... 050, 064	X:1 ratio, 2-Stage	Any ratio over 10:1 implies a 2-Stage gearbox
6	Input Mounting	N023	NEMA 23	
		N034	NEMA 34	
7	Input Bore Diameter	A, B, ... Y, Z	E: 14 mm L: 3/8 inch H: 1/2 inch Q: 1/4 inch	See subsequent drawing sheets for available Input Bore Diameters for each Input Mounting size (NEMA 23, NEMA 34, etc.)
8	Wildcard	XX	Wildcard	For future use options

The below Example Teknic Part Number maps each part number section to an Identifier Number in the table to the left. These Identifier Numbers will be referenced later in this drawing where they drive gearbox dimensions.

Example Teknic Part Number

GSLR-080-010-N034L-XX

1 2 3 4 5 6 7 8

All dimensions are in mm [inch] unless otherwise noted.
Sheet Scale 1:1

DWG. NO./REV D1267/A

TITLE: GSLR Planetary Gearbox, Right Angle, Straight Cut, Round Flange

Teknic, Incorporated
Victor, NY 14564 USA

Third-Angle Projection

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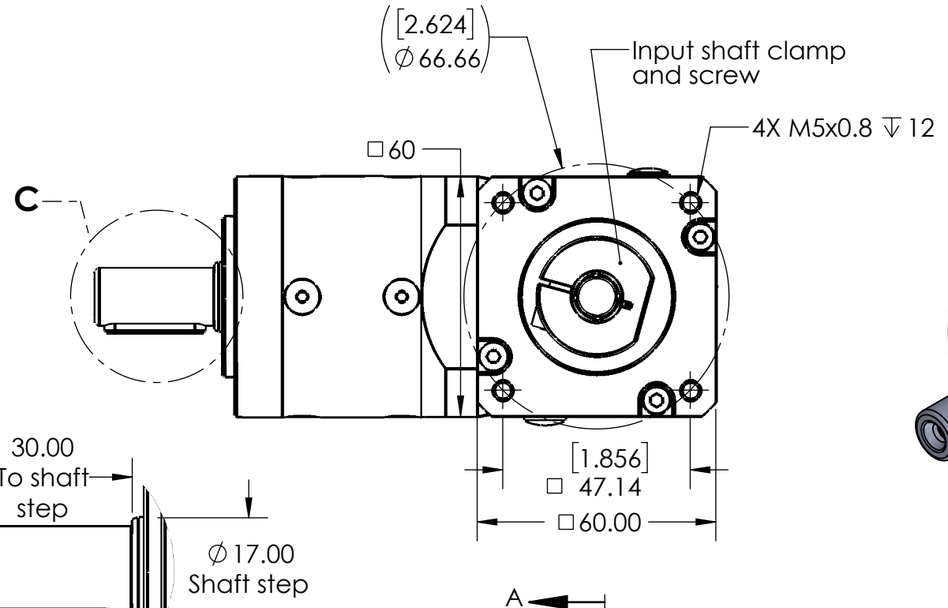
Visit https://www.teknic.com/ to access that documentation.

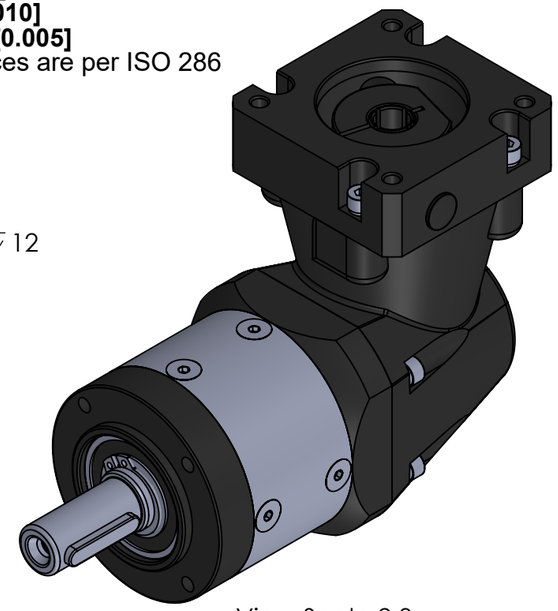
GSLR NEMA 23 Planetary Gearbox: Right Angle, Straight Cut, Round Flange

- Hardware included: Output shaft key, input clamp-style shaft coupling for motor shaft size shown in table
- All dimensions are in mm [inch] unless otherwise noted
- Sheet Scale 2:3

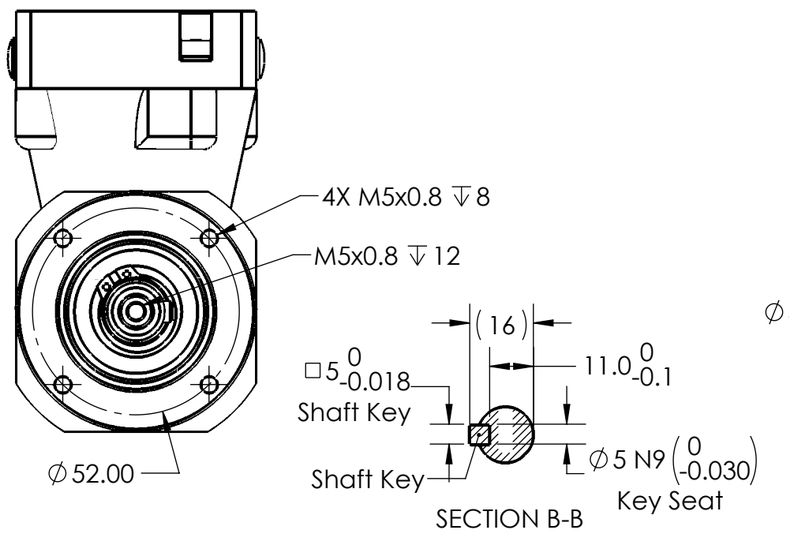
Unless otherwise specified, untoleranced dimensions default to:
X: ± .75mm [0.030]
X.X: ± .5mm [0.020]
X.XX: ± .25mm [0.010]
X.XXX: ± .125mm [0.005]
Lettered Fit tolerances are per ISO 286

Identifier Number	Dimension Name	Possible Codes	Dimension Value mm [in]	Notes
5	ISOF (Input Shaft to Output Flange) [Set by gear ratio e.g. 3:1 gear ratio is 003 code]	003, 004 ... 008, 010	91 [3.583]	1-Stage Gearbox
		009	109 [4.291]	2-Stage Gearbox
		012, 015 ... 050, 064		
7	IBD (Input Bore Diameter)	E	14.00 [0.551]	
		L	9.53 [0.375]	
		Q	6.35 [0.250]	

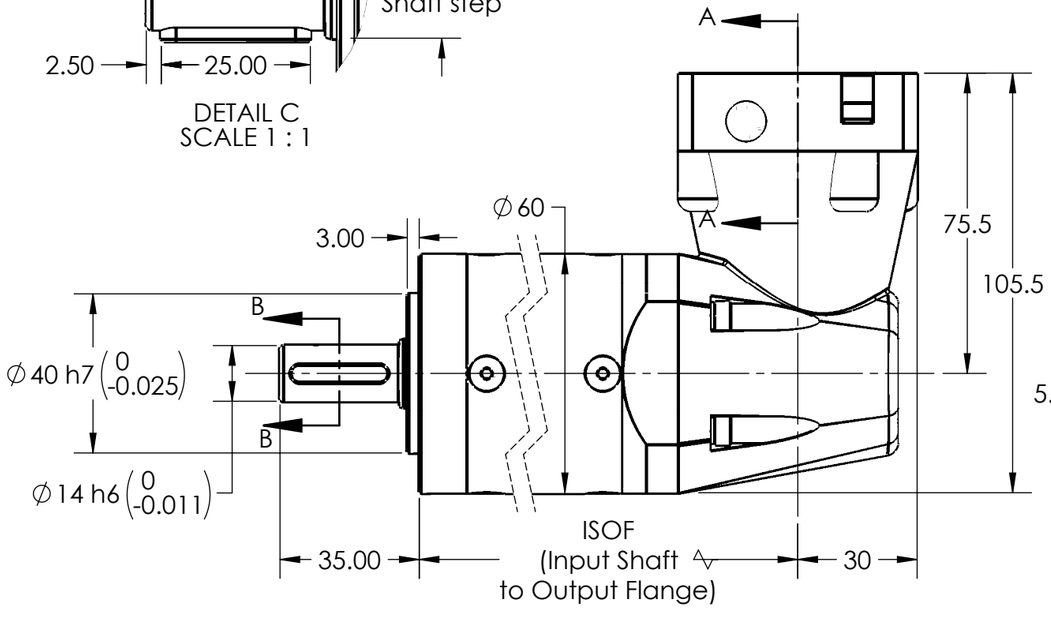


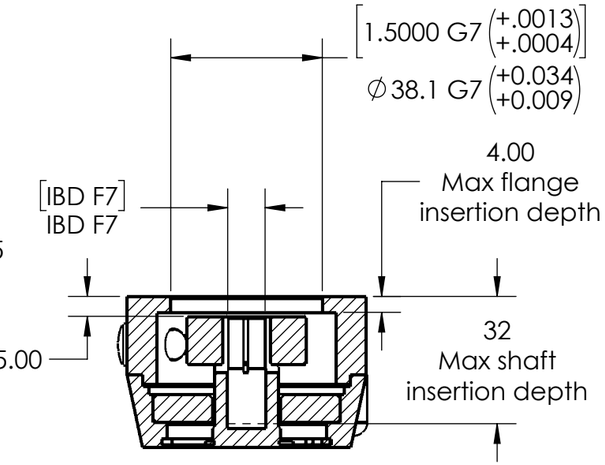


View Scale 2:3
(1-Stage gearbox shown)



SECTION B-B





SECTION A-A

DWG. NO./REV D1267/A

TITLE: GSLR Planetary Gearbox, Right Angle, Straight Cut, Round Flange

Third-Angle Projection

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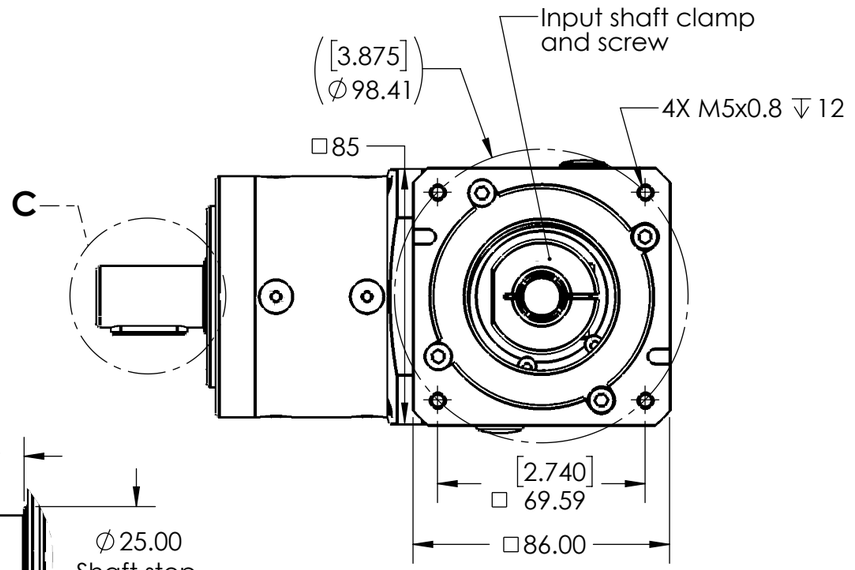
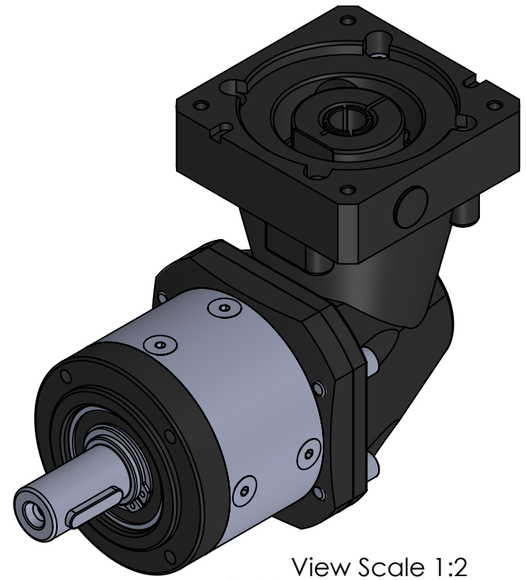
GSLR NEMA 34 Planetary Gearbox: Right Angle, Straight Cut, Round Flange

- Hardware included: Output shaft key, input clamp-style shaft coupling for motor shaft size shown in table
- All dimensions are in mm [inch] unless otherwise noted
- Sheet Scale 1:2

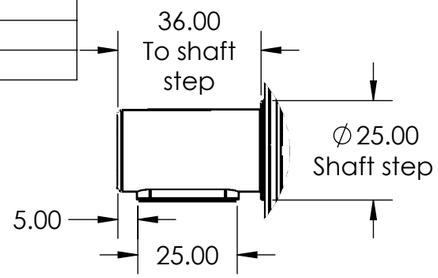
Unless otherwise specified, untoleranced dimensions default to:
X: ± .75mm [0.030]
X.X: ± .5mm [0.020]
X.XX: ± .25mm [0.010]
X.XXX: ± .125mm [0.005]
Lettered Fit tolerances are per ISO 286

Identifier Number	Dimension Name	Possible Codes	Dimension Value mm [in]	Notes
5	ISOF (Input Shaft to Output Flange) [Set by gear ratio e.g. 3:1 gear ratio is 003 code]	003, 004 ... 008, 010	109 [4.291]	1-Stage Gearbox
		009	131 [5.157]	2-Stage Gearbox
		012, 015 ... 050, 064		
7	IBD (Input Bore Diameter)	E	14.00 [0.551]	
		H	12.70 [0.500]	
		L	9.53 [0.375]	

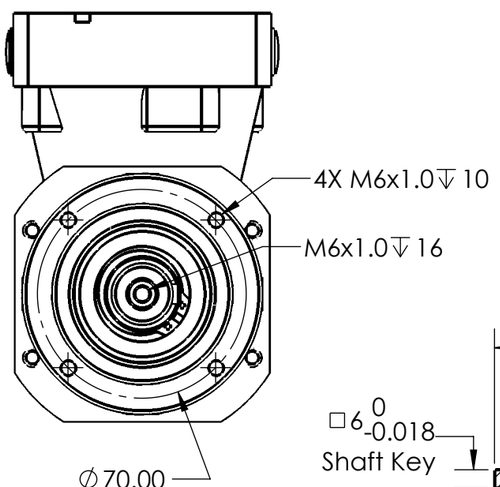


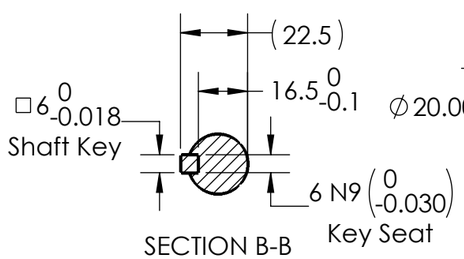


View Scale 1:2
(1-Stage gearbox shown)

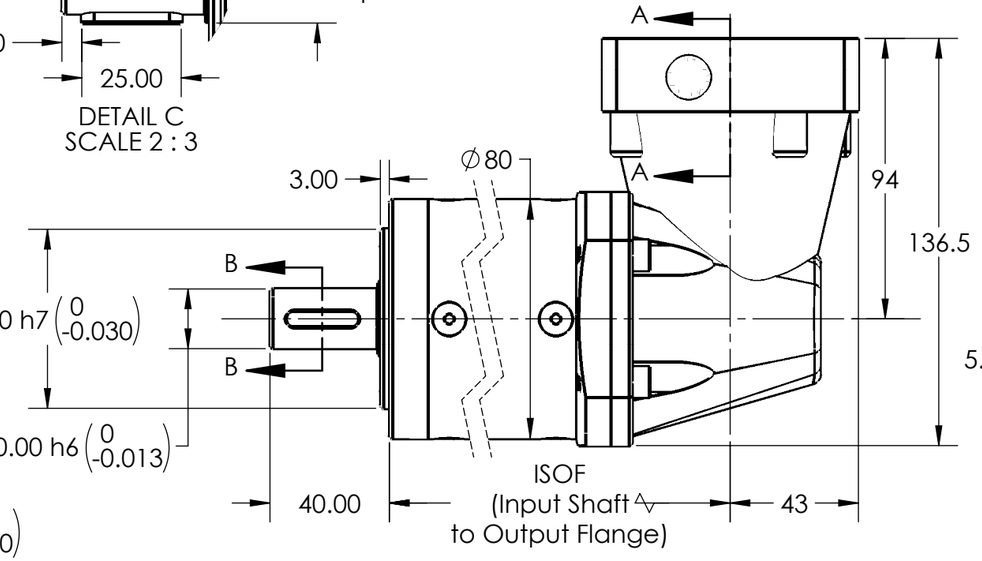


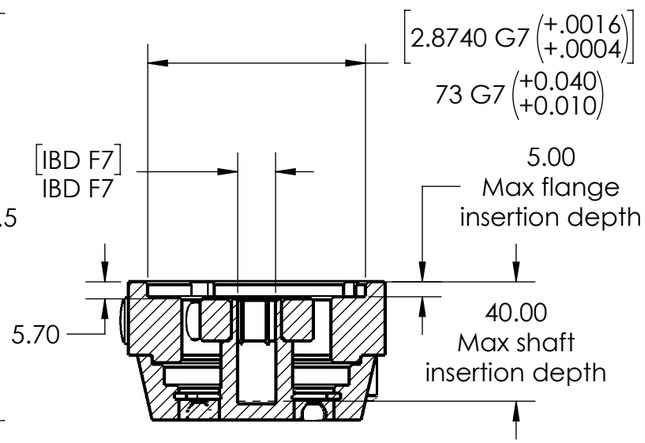
DETAIL C
SCALE 2 : 3





SECTION B-B





SECTION A-A

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