Smooth Idler Assembly:

- Insert a bearing into the open side side. These are force fit tolerances so you might have to push hard.
- Press the bearing until it's seated against the inside lip of the idler drum.
- Slide an M5 bolt through the bearing (outside in) - you'll use this to align the precision washer and the other bearing.
- Slide the precision washer over the bolt and let it slide all the way down until it is touching the bearing you just inserted
- Slide the other bearing over the bolt and let it slide down until it hits the rim of the drum.
- Press the second bearing into the drum just as you did the first until it is tight against the precision washer
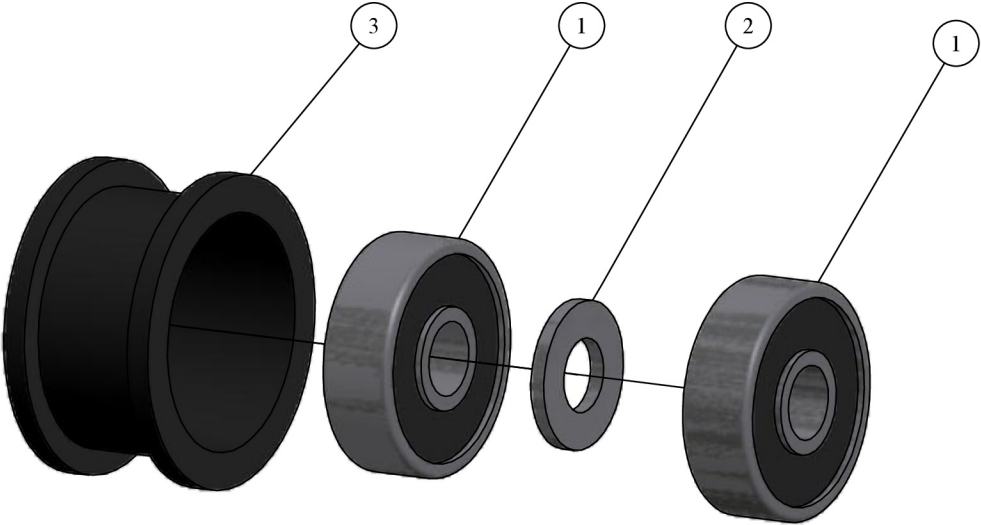- When the assembly is complete, you can remove the M5 bolt

Note: do not forget the precision washer!

Shapeoko Build Instructions
STEP 2

wiki link: http://www.shapeoko.com/wiki/index.php/Assembly_step_2

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DESIGNED BY: ERF	DETAILED BY: ERF	DATE: 6/5/2012

TITLE

Smooth Idler Assembly

TOLERANCES
(EXCEPT AS NOTED)

BETWEEN
FINSHED SURFACES

FRACTIONAL: ± 1/64"

DECIMAL: ± .010"

DETAIL DIMENSIONS: ± 1/16"

SIZE	DRAWING NUMBER
B	MSK01-06A

SCALE

SHEET 1 OF 1

ITEM	QTY	PART NUMBER	TITLE
1	2	MSK01-07	5mm x 16mm x 5mm bearing
2	1	MSK01-08	Precision Washer (1mm thick)
3	1	MSK01-06	Smooth Idler Drum