

# TIMING BELT PULLEY - CUSTOM DESIGN

## PFEIFER INDUSTRIES, LLC

2180 Corporate Lane  
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## CONTACT INFORMATION: (INDICATE)

**Company:** \_\_\_\_\_  
**Contact Name:** \_\_\_\_\_  
**Address (Line 1):** \_\_\_\_\_  
**Address (Line 2):** \_\_\_\_\_  
**City, State, Zip Code:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Fax:** \_\_\_\_\_  
**Email:** \_\_\_\_\_  
**Website:** \_\_\_\_\_

## TIMING BELT PULLEY DESIGN INFORMATION:

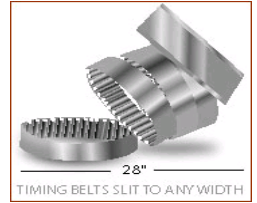
**Prototype or Production: (CIRCLE ONE)**      Prototype      Production  
**Quantity required: (INDICATE)**      \_\_\_\_\_      Quantity  
**Drawing available: (CIRCLE ONE)**      YES      NO      **Drawing Number:** \_\_\_\_\_

~Sketch and dimension your design if a drawing is not available, formal drawing is not required

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## MATERIAL TYPE: (INDICATE)

Material type: (CIRCLE ONE)      1215 Steel      6061 Aluminum      319 Cast Aluminum  
 Other material type: (INDICATE) \_\_\_\_\_

## PLATING / COATINGS AVAILABLE: (INDICATE)

*No Plating Required*

~Available platings for steel

- Zinc Clear Chromate (RoHS Compliant) - Silver finish
- Zinc Di-Chromate - Gold finish
- Black Oxide - Dull black finish
- Nickel
- Other available upon request* \_\_\_\_\_

~Plating / coatings for aluminum

- Anodizing - Any color you want
- Black Hardcoating - Dull black finish
- Clear Hardcoating - Dull grey finish
- Other available upon request* \_\_\_\_\_

## PITCH / PROFILE REQUIRED: (INDICATE)

- 5mm HTD
- 5mm PowerGrip GT
- 8mm HTD
- 8mm PowerGrip GT2
- 8mm PolyChain GT
- 14mm PolyChain GT
- Others available upon request* \_\_\_\_\_

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## NUMBER OF TIMING BELT PULLEY TEETH: (INDICATE)

Number of timing belt pulley teeth required: (INDICATE) \_\_\_\_\_ Teeth

~Timing belt pulley tooth ranges were able to manufacture for pitch/profiles available

- ➡ 5mm HTD, (17 Tooth through 200 Tooth)
- ➡ 5mm PowerGrip GT, (16 Tooth through 200 Tooth)
- ➡ 8mm HTD, (14 Tooth through 140 Tooth)
- ➡ 8mm PowerGrip GT2, (22 Tooth through 140 Tooth)
- ➡ 8mm PolyChain GT, (14 Tooth through 140 Tooth)
- ➡ 14mm PolyChain GT, (30 Tooth through 60 Tooth)

## WIDTH OF TIMING BELT TO BE USED: (INDICATE)

Width of timing belt to be used: (INDICATE) \_\_\_\_\_ mm

~Pulleys can be made to any timing belt width, and a belt can be supplied to match giving you total customization

~Standard timing belt widths are listed below for the available pitch/profiles

➡ 5mm HTD	9mm	15mm	25mm		
➡ 5mm PowerGrip GT	9mm	15mm	25mm		
➡ 8mm HTD	20mm	30mm	50mm	85mm	
➡ 8mm PowerGrip GT2	20mm	30mm	50mm	85mm	
➡ 8mm PolyChain GT	12mm	21mm	36mm	62mm	
➡ 14mm PolyChain GT	20mm	37mm	68mm	90mm	125mm

## OVERALL LENGTH OF PULLEY: (INDICATE)

Overall length of pulley required: (INDICATE) \_\_\_\_\_ Tolerance + / - \_\_\_\_\_

Hub required for spacing: (CIRCLE ONE)      YES      NO

~If a hub is required then the following needs to be INDICATED

Hub diameter      \_\_\_\_\_ Tolerance + / - \_\_\_\_\_  
 Hub length      \_\_\_\_\_ Tolerance + / - \_\_\_\_\_

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## FLANGED OR UNFLANGED: (INDICATE)

Flanged or unflanged: (CIRCLE ONE) FLANGED UNFLANGED  
 Number of flanges: (CIRCLE ONE) ONE TWO Other \_\_\_\_\_

~In a two pulley system at least one pulley needs to be flanged (we always flange the smaller of the two)

## BORE TYPE: (INDICATE)

~Unless noted tolerances will be based on standard specifications

- Straight bore \_\_\_\_\_ Tolerance + / -
- Straight bore for bushing \_\_\_\_\_ Tolerance + / -
- Straight bore with counter bore for bearing(s) \_\_\_\_\_ Tolerance + / -
- Tapered bore \_\_\_\_\_ Tolerance + / -
- Splined Please (INDICATE) Style/Bore \_\_\_\_\_
- QD bushing Please (INDICATE) Style/Bore \_\_\_\_\_
- Taper lock Please (INDICATE) Style/Bore \_\_\_\_\_
- Other available upon request* \_\_\_\_\_

## KEYWAY: (INDICATE)

Keyway: (CIRCLE ONE) YES NO \_\_\_\_\_ Tolerance + / -

~Unless noted tolerances will be based on standard specifications

- Are set screws required: (CIRCLE ONE) YES NO
- Set screws to be aligned with keyway: (CIRCLE ONE) YES NO
- Number of set screws required: (INDICATE) \_\_\_\_\_ Quantity
- Size of set screws: (INDICATE) \_\_\_\_\_ Dimension
- Position (angle) of set screws to each other: (INDICATE) \_\_\_\_\_ Degrees

