


Flanged Idlers with Teeth

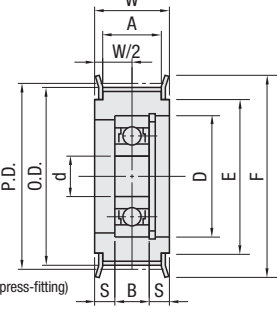
MXL, XL

The shaft bore specifications for the Timing Pulleys is applicable to the Idlers. P.1389, 1391 Idler shafts (cantilever shafts) are selectable from P.881-906. Tensioners can be selected from P.1555, P.1556.

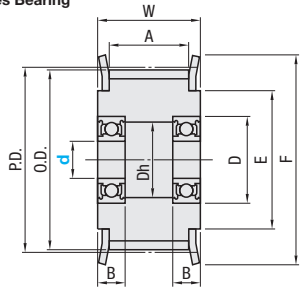


| Type | | Material | | | Surface Treatment |
|----------------|--------------------|----------------|--------|---------|----------------------------|
| Center Bearing | Both Sides Bearing | Main Body | Flange | Bearing | |
| AATF | AATFW | Aluminum Alloy | A5052 | Steel | Clear Anodize |
| ANTF | | | | | Electroless Nickel Plating |

Center Bearing



Both Sides Bearing



* Bearing Accuracy: JIS B1514 Class 0 (before press-fitting)
 Bearings are press-fitted.

MXL (Center Bearing)

| Part Number | Type | Number of Teeth | Applicable Belt | Shaft Dia. d | P.D. | O.D. | F | E | A | W | S | Bearing Dimensions | | | Unit Price | |
|-------------|------|-----------------|-----------------|--------------|-------|------|----|-----|------|------|----------|--------------------|---|---|------------|------|
| | | | | | | | | | | | | No. | D | B | AATF | ANTF |
| 20 | AATF | MXL019 | 3 | 12.94 | 12.43 | 18 | 11 | 6 | 10 | 3 | 693ZZx1 | 8 | 4 | | | |
| 22 | AATF | MXL019 | 3 | 14.23 | 13.72 | 18 | 11 | 6 | 10 | 3 | 693ZZx1 | 8 | 4 | | | |
| 24 | AATF | MXL019 | 3 | 15.52 | 15.02 | 20 | 13 | 6 | 10 | 3 | 693ZZx1 | 8 | 4 | | | |
| 30 | AATF | MXL019 | 5 | 19.40 | 18.90 | 25 | 16 | 6 | 10 | 3 | 695ZZx1 | 13 | 4 | | | |
| 36 | AATF | MXL019 | 5 | 23.29 | 22.78 | 28 | 18 | 6 | 10 | 3 | 695ZZx1 | 13 | 4 | | | |
| 40 | AATF | MXL019 | 6 | 25.87 | 25.36 | 30 | 20 | 6 | 10 | 2.5 | 696ZZx1 | 15 | 5 | | | |
| | | MXL025 | | | | | | 7.5 | 11.5 | 3.25 | | | | | | |
| | | MXL037 | | | | | | 11 | 15 | 5 | | | | | | |
| 50 | AATF | MXL019 | 8 | 32.34 | 31.84 | 35 | 25 | 6 | 10 | 2 | 698ZZx1 | 19 | 6 | | | |
| | | MXL025 | | | | | | 7.5 | 11.5 | 2.75 | | | | | | |
| | | MXL037 | | | | | | 11 | 15 | 4.5 | | | | | | |
| 60 | AATF | MXL019 | 10 | 38.81 | 38.30 | 44 | 32 | 6 | 10 | 2 | 6900ZZx1 | 22 | 6 | | | |
| | | MXL025 | | | | | | 7.5 | 11.5 | 2.75 | | | | | | |
| | | MXL037 | | | | | | 11 | 15 | 4.5 | | | | | | |

MXL (Both Sides Bearing)

| Part Number | Type | Number of Teeth | Applicable Belt | Shaft Dia. d | P.D. | O.D. | F | E | A | W | Dh | Bearing Dimensions | | | Unit Price | |
|-------------|-------|-----------------|-----------------|--------------|-------|------|----|-----|------|----|---------|--------------------|-----|---|------------|------|
| | | | | | | | | | | | | No. | D | B | AATF | ANTF |
| 16 | AATFW | MXL019 | 3 | 10.35 | 9.84 | 14 | 8 | 6 | 10 | 5 | 673ZZx2 | 6 | 2.5 | | | |
| 20 | AATFW | MXL019 | 3 | 12.94 | 12.43 | 18 | 11 | 6 | 10 | 5 | 673ZZx2 | 6 | 2.5 | | | |
| 22 | AATFW | MXL025 | 3 | 14.23 | 13.72 | 18 | 11 | 7.5 | 11.5 | 5 | 673ZZx2 | 6 | 2.5 | | | |
| | | MXL037 | | | | | | 11 | 15 | | | | | | | |
| | | MXL050 | | | | | | 14 | 18 | | | | | | | |
| 24 | AATFW | MXL025 | 4 | 15.52 | 15.02 | 20 | 13 | 7.5 | 11.5 | 6 | 674ZZx2 | 7 | 2.5 | | | |
| | | MXL037 | | | | | | 11 | 15 | | | | | | | |
| | | MXL050 | | | | | | 14 | 18 | | | | | | | |
| 30 | AATFW | MXL019 | 4 | 19.40 | 18.90 | 25 | 16 | 6 | 10 | 6 | 674ZZx2 | 7 | 2.5 | | | |
| 36 | AATFW | MXL025 | 5 | 23.29 | 22.78 | 28 | 18 | 7.5 | 11.5 | 11 | 695ZZx2 | 13 | 4 | | | |
| | | MXL037 | | | | | | 11 | 15 | | | | | | | |
| | | MXL050 | | | | | | 14 | 18 | | | | | | | |
| 40 | AATFW | MXL025 | 5 | 25.87 | 25.36 | 30 | 20 | 7.5 | 11.5 | 11 | 695ZZx2 | 13 | 4 | | | |
| | | MXL037 | | | | | | 11 | 15 | | | | | | | |
| | | MXL050 | | | | | | 14 | 18 | | | | | | | |
| 50 | AATFW | MXL025 | 8 | 32.34 | 31.84 | 35 | 25 | 7.5 | 11.5 | 11 | 695ZZx2 | 13 | 4 | | | |
| | | MXL037 | | | | | | 11 | 15 | | | | | | | |
| | | MXL050 | | | | | | 14 | 18 | | | | | | | |
| 60 | AATFW | MXL025 | 10 | 38.81 | 38.30 | 44 | 32 | 7.5 | 11.5 | 11 | 695ZZx2 | 13 | 4 | | | |
| | | MXL037 | | | | | | 11 | 15 | | | | | | | |
| | | MXL050 | | | | | | 14 | 18 | | | | | | | |

Ordering Example

Center Bearing Part Number: Type AATF, Number of Teeth 40, Applicable Belt MXL037

Both Sides Bearing Part Number: Type AATFW, Number of Teeth 22, Applicable Belt MXL050, Shaft Dia. d 3

XL (Center Bearing)

| Part Number | Type | Number of Teeth | Applicable Belt | Shaft Dia. d | P.D. | O.D. | F | E | A | W | S | Bearing Dimensions | | | Unit Price | |
|-------------|------|-----------------|-----------------|--------------|-------|------|----|-----|------|------|----------|--------------------|----|---|------------|------|
| | | | | | | | | | | | | No. | D | B | AATF | ANTF |
| 18 | AATF | XL025 | 6 | 29.11 | 28.60 | 36 | 24 | 7.5 | 12.5 | 3.25 | 626ZZx1 | 19 | 6 | | | |
| | | XL031 | | | | | | 9 | 14 | 4 | | | | | | |
| | | XL037 | | | | | | 11 | 16 | 5 | | | | | | |
| 20 | AATF | XL025 | 6 | 32.34 | 31.83 | 40 | 27 | 7.5 | 12.5 | 3.25 | 626ZZx1 | 19 | 6 | | | |
| | | XL031 | | | | | | 9 | 14 | 4 | | | | | | |
| | | XL037 | | | | | | 11 | 16 | 5 | | | | | | |
| 22 | AATF | XL025 | 8 | 35.57 | 35.07 | 45 | 30 | 7.5 | 12.5 | 2.25 | 628ZZx1 | 24 | 8 | | | |
| | | XL031 | | | | | | 9 | 14 | 3 | | | | | | |
| | | XL037 | | | | | | 11 | 16 | 4 | | | | | | |
| | | XL050 | | | | | | 14 | 19 | 5.5 | | | | | | |
| 25 | AATF | XL025 | 10 | 40.43 | 39.92 | 48 | 35 | 7.5 | 12.5 | 2.25 | 6000ZZx1 | 26 | 8 | | | |
| | | XL031 | | | | | | 9 | 14 | 3 | | | | | | |
| | | XL037 | | | | | | 11 | 16 | 4 | | | | | | |
| | | XL050 | | | | | | 14 | 19 | 5.5 | | | | | | |
| 28 | AATF | XL025 | 10 | 45.28 | 44.77 | 55 | 40 | 7.5 | 12.5 | 2.25 | 6000ZZx1 | 26 | 8 | | | |
| | | XL031 | | | | | | 9 | 14 | 2.5 | 6200ZZx1 | 30 | 9 | | | |
| | | XL025 | | | | | | 7.5 | 12.5 | 2.25 | 6000ZZx1 | 26 | 8 | | | |
| 30 | AATF | XL031 | 10 | 48.51 | 48.00 | 55 | 40 | 9 | 14 | 2.5 | 6200ZZx1 | 30 | 9 | | | |
| | | XL037 | | | | | | 11 | 16 | 3.5 | | | | | | |
| | | XL050 | | | | | | 14 | 19 | 5 | | | | | | |
| 36 | AATF | XL025 | 12 | 58.21 | 57.70 | 67 | 50 | 7.5 | 12.5 | 2.25 | 6001ZZx1 | 28 | 8 | | | |
| | | XL031 | | | | | | 9 | 14 | 2 | | | | | | |
| | | XL037 | | | | | | 11 | 16 | 3 | 6201ZZx1 | 32 | 10 | | | |
| | | XL050 | | | | | | 14 | 19 | 4.5 | | | | | | |

XL (Both Sides Bearing)




| Part Number | Type | Number of Teeth | Applicable Belt | Shaft Dia. d | P.D. | O.D. | F | E | A | W | Dh | Bearing Dimensions | | | Unit Price | |
|-------------|-------|-----------------|-----------------|--------------|-------|------|----|-----|------|------|----------|--------------------|---|---|------------|------|
| | | | | | | | | | | | | No. | D | B | AATF | ANTF |
| 16 | AATFW | XL025 | 5 | 25.87 | 25.36 | 32 | 20 | 7.5 | 12.5 | 11 | 695ZZx2 | 13 | 4 | | | |
| | | XL031 | | | | | | 9 | 14 | | | | | | | |
| | | XL037 | | | | | | 11 | 16 | | | | | | | |
| | | XL050 | | | | | | 14 | 19 | | | | | | | |
| 18 | AATFW | XL037 | 6 | 29.11 | 28.60 | 36 | 24 | 11 | 16 | 13 | 696ZZx2 | 15 | 5 | | | |
| | | XL050 | | | | | | 14 | 19 | | | | | | | |
| 20 | AATFW | XL037 | 8 | 32.34 | 31.83 | 40 | 27 | 11 | 16 | 16.5 | 698ZZx2 | 19 | 6 | | | |
| | | XL050 | | | | | | 14 | 19 | | | | | | | |
| 22 | AATFW | XL037 | 8 | 35.57 | 35.07 | 45 | 30 | 11 | 16 | 16.5 | 698ZZx2 | 19 | 6 | | | |
| | | XL050 | | | | | | 14 | 19 | | | | | | | |
| 25 | AATFW | XL037 | 10 | 40.43 | 39.92 | 48 | 35 | 11 | 16 | 19.5 | 6900ZZx2 | 22 | 6 | | | |
| | | XL050 | | | | | | 14 | 19 | | | | | | | |
| 28 | AATFW | XL037 | 10 | 45.28 | 44.77 | 55 | 40 | 11 | 16 | 19.5 | 6900ZZx2 | 22 | 6 | | | |
| | | XL050 | | | | | | 14 | 19 | 25 | 6001ZZx2 | 28 | 8 | | | |
| 30 | AATFW | XL037 | 10 | 48.51 | 48.00 | 55 | 40 | 11 | 16 | 19.5 | 6900ZZx2 | 22 | 6 | | | |
| | | XL050 | | | | | | 14 | 19 | 25 | 6001ZZx2 | 28 | 8 | | | |
| 36 | AATFW | XL037 | 10 | 58.21 | 57.70 | 67 | 50 | 11 | 16 | 19.5 | 6900ZZx2 | 22 | 6 | | | |
| | | XL050 | | | | | | 14 | 19 | 25 | 6001ZZx2 | 28 | 8 | | | |

Example Combination of these app. examples can be selected on our website. Details about Selection Procedure P.87

e-Catalog Search Keyword

* Enter the search keyword in the search box on e-Catalog. The search result will be shown in "Modular Assembler" area.

Alterations Part Number AATF25XL037 - (FC, NFC, LFC, RFC) FC43

| Alteration Code | Flange Cut (FC) | Flange Not Swaged (NFC) | Flange Swaged on One Side (LFC, RFC) |
|-----------------|--|---|--|
| Spec. | <p>Lowers flange by cutting. FC: 0.5mm Increment</p> <p>No surface treatment is applied on flange circumference.</p> <p>FC: (O. D.) + 1 FC: F-2</p> <p>Ordering Code: FC43</p>  | <p>Flange is not installed. (Flange Included)</p>  | <p>Flange installed by swaging only on either hub side (RFC) or the opposite side (LFC) at the time of shipment. (Flange 1 pc. Included)</p>  |

