

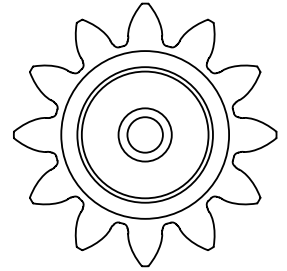
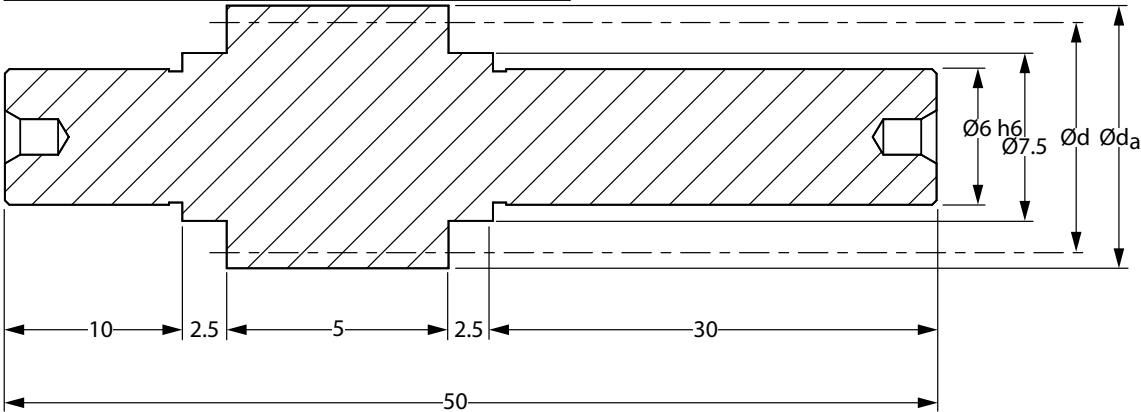
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CAD Drawings Available On Request

PRECISION GEARS

0.5 Module Pinion Shafts α 20° PA

Quality Grade 7e DIN 3961/58405 (AGMA Q10)



DIN 58405 Tooth Thickness tol.

η Efficiency approx. 98%

Other numbers of teeth available. Please contact Sales for details.

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|---------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 817M40T | | | | | | | |
| PPS0.5-18 | 18 | 9.0 | 10.0 | 0.076 - 0.037 | 6.75 x 10 ⁻⁸ | 0.013 | 0.25 |
| PPS0.5-19 | 19 | 9.5 | 10.5 | 0.076 - 0.037 | 7.37 x 10 ⁻⁸ | 0.013 | 0.27 |
| PPS0.5-20 | 20 | 10.0 | 11.0 | 0.076 - 0.037 | 8.08 x 10 ⁻⁸ | 0.014 | 0.36 |
| PPS0.5-21 | 21 | 10.5 | 11.5 | 0.077 - 0.036 | 8.91 x 10 ⁻⁸ | 0.014 | 0.37 |
| PPS0.5-22 | 22 | 11.0 | 12.0 | 0.077 - 0.036 | 9.87 x 10 ⁻⁸ | 0.014 | 0.39 |
| PPS0.5-23 | 23 | 11.5 | 12.5 | 0.077 - 0.036 | 1.10 x 10 ⁻⁷ | 0.015 | 0.41 |
| PPS0.5-24 | 24 | 12.0 | 13.0 | 0.077 - 0.036 | 1.22 x 10 ⁻⁷ | 0.015 | 0.43 |
| PPS0.5-25 | 25 | 12.5 | 13.5 | 0.087 - 0.042 | 1.36 x 10 ⁻⁷ | 0.015 | 0.44 |
| PPS0.5-26 | 26 | 13.0 | 14.0 | 0.087 - 0.042 | 1.52 x 10 ⁻⁷ | 0.016 | 0.54 |
| PPS0.5-27 | 27 | 13.5 | 14.5 | 0.087 - 0.042 | 1.70 x 10 ⁻⁷ | 0.016 | 0.57 |
| PPS0.5-28 | 28 | 14.0 | 15.0 | 0.087 - 0.042 | 1.90 x 10 ⁻⁷ | 0.017 | 0.59 |
| PPS0.5-29 | 29 | 14.5 | 15.5 | 0.087 - 0.042 | 2.12 x 10 ⁻⁷ | 0.017 | 0.61 |
| PPS0.5-30 | 30 | 15.0 | 16.0 | 0.087 - 0.042 | 2.36 x 10 ⁻⁷ | 0.017 | 0.69 |

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|----------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 303 Stainless | | | | | | | |
| PPS0.5-18S | 18 | 9.0 | 10.0 | 0.076 - 0.037 | 6.71 x 10 ⁻⁸ | 0.013 | 0.15 |
| PPS0.5-19S | 19 | 9.5 | 10.5 | 0.076 - 0.037 | 7.32 x 10 ⁻⁸ | 0.014 | 0.16 |
| PPS0.5-20S | 20 | 10.0 | 11.0 | 0.076 - 0.037 | 8.03 x 10 ⁻⁸ | 0.014 | 0.21 |
| PPS0.5-21S | 21 | 10.5 | 11.5 | 0.077 - 0.036 | 8.85 x 10 ⁻⁸ | 0.014 | 0.22 |
| PPS0.5-22S | 22 | 11.0 | 12.0 | 0.077 - 0.036 | 9.80 x 10 ⁻⁸ | 0.015 | 0.23 |
| PPS0.5-23S | 23 | 11.5 | 12.5 | 0.077 - 0.036 | 1.09 x 10 ⁻⁷ | 0.015 | 0.25 |
| PPS0.5-24S | 24 | 12.0 | 13.0 | 0.077 - 0.036 | 1.21 x 10 ⁻⁷ | 0.015 | 0.26 |
| PPS0.5-25S | 25 | 12.5 | 13.5 | 0.087 - 0.042 | 1.35 x 10 ⁻⁷ | 0.016 | 0.27 |
| PPS0.5-26S | 26 | 13.0 | 14.0 | 0.087 - 0.042 | 1.51 x 10 ⁻⁷ | 0.016 | 0.33 |
| PPS0.5-27S | 27 | 13.5 | 14.5 | 0.087 - 0.042 | 1.69 x 10 ⁻⁷ | 0.016 | 0.34 |
| PPS0.5-28S | 28 | 14.0 | 15.0 | 0.087 - 0.042 | 1.89 x 10 ⁻⁷ | 0.017 | 0.35 |
| PPS0.5-29S | 29 | 14.5 | 15.5 | 0.087 - 0.042 | 2.11 x 10 ⁻⁷ | 0.017 | 0.36 |
| PPS0.5-30S | 30 | 15.0 | 16.0 | 0.087 - 0.042 | 2.35 x 10 ⁻⁷ | 0.018 | 0.41 |



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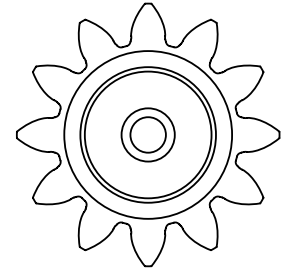
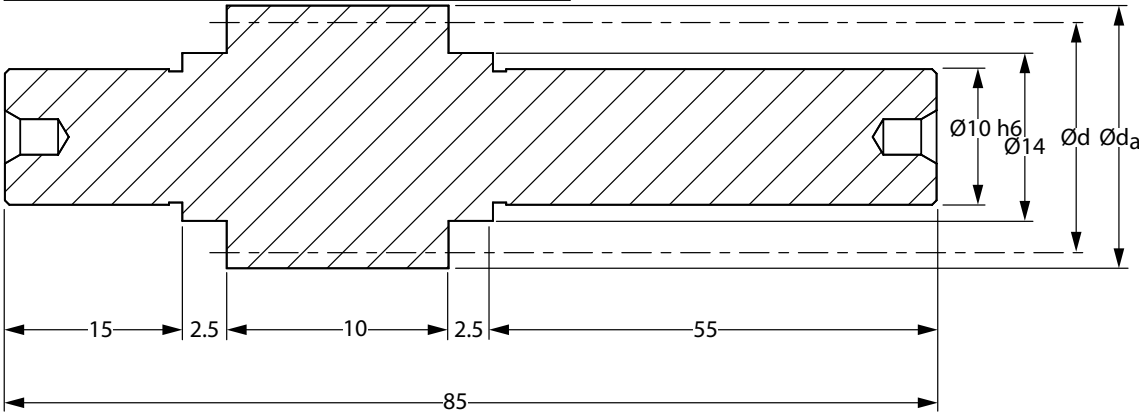
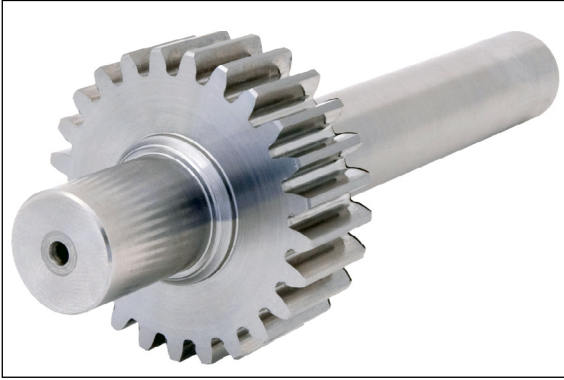
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CAD Drawings Available On Request

PRECISION GEARS

1.0 Module Pinion Shafts α 20° PA

Quality Grade 7e25 DIN 3961/3967 (AGMA Q10)



DIN 3967 Tooth Thickness tol.

η Efficiency approx. 98%

Other numbers of teeth available. Please contact Sales for details.

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|---------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 817M40T | | | | | | | |
| PPS1.0-18 | 18 | 18 | 20 | 0.127 - 0.053 | 1.38 x 10 ⁻⁶ | 0.069 | 1.76 |
| PPS1.0-19 | 19 | 19 | 21 | 0.128 - 0.052 | 1.58 x 10 ⁻⁶ | 0.071 | 1.86 |
| PPS1.0-20 | 20 | 20 | 22 | 0.128 - 0.052 | 1.81 x 10 ⁻⁶ | 0.074 | 2.48 |
| PPS1.0-21 | 21 | 21 | 23 | 0.128 - 0.052 | 2.07 x 10 ⁻⁶ | 0.076 | 2.60 |
| PPS1.0-22 | 22 | 22 | 24 | 0.128 - 0.052 | 2.38 x 10 ⁻⁶ | 0.079 | 2.73 |
| PPS1.0-23 | 23 | 23 | 25 | 0.128 - 0.052 | 2.73 x 10 ⁻⁶ | 0.081 | 2.85 |
| PPS1.0-24 | 24 | 24 | 26 | 0.128 - 0.052 | 3.13 x 10 ⁻⁶ | 0.084 | 2.97 |
| PPS1.0-25 | 25 | 25 | 27 | 0.128 - 0.052 | 3.58 x 10 ⁻⁶ | 0.087 | 3.10 |
| PPS1.0-26 | 26 | 26 | 28 | 0.128 - 0.052 | 4.09 x 10 ⁻⁶ | 0.090 | 3.79 |
| PPS1.0-27 | 27 | 27 | 29 | 0.128 - 0.052 | 4.66 x 10 ⁻⁶ | 0.094 | 3.94 |
| PPS1.0-28 | 28 | 28 | 30 | 0.128 - 0.052 | 5.29 x 10 ⁻⁶ | 0.097 | 4.08 |
| PPS1.0-29 | 29 | 29 | 31 | 0.128 - 0.052 | 6.00 x 10 ⁻⁶ | 0.100 | 4.23 |
| PPS1.0-30 | 30 | 30 | 32 | 0.128 - 0.052 | 6.79 x 10 ⁻⁶ | 0.104 | 4.81 |

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|----------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 303 Stainless | | | | | | | |
| PPS1.0-18S | 18 | 18 | 20 | 0.127 - 0.053 | 1.37 x 10 ⁻⁶ | 0.070 | 1.06 |
| PPS1.0-19S | 19 | 19 | 21 | 0.128 - 0.052 | 1.57 x 10 ⁻⁶ | 0.073 | 1.12 |
| PPS1.0-20S | 20 | 20 | 22 | 0.128 - 0.052 | 1.80 x 10 ⁻⁶ | 0.075 | 1.49 |
| PPS1.0-21S | 21 | 21 | 23 | 0.128 - 0.052 | 2.06 x 10 ⁻⁶ | 0.078 | 1.56 |
| PPS1.0-22S | 22 | 22 | 24 | 0.128 - 0.052 | 2.36 x 10 ⁻⁶ | 0.080 | 1.64 |
| PPS1.0-23S | 23 | 23 | 25 | 0.128 - 0.052 | 2.71 x 10 ⁻⁶ | 0.083 | 1.71 |
| PPS1.0-24S | 24 | 24 | 26 | 0.128 - 0.052 | 3.11 x 10 ⁻⁶ | 0.086 | 1.78 |
| PPS1.0-25S | 25 | 25 | 27 | 0.128 - 0.052 | 3.56 x 10 ⁻⁶ | 0.089 | 1.86 |
| PPS1.0-26S | 26 | 26 | 28 | 0.128 - 0.052 | 4.06 x 10 ⁻⁶ | 0.092 | 2.27 |
| PPS1.0-27S | 27 | 27 | 29 | 0.128 - 0.052 | 4.63 x 10 ⁻⁶ | 0.095 | 2.36 |
| PPS1.0-28S | 28 | 28 | 30 | 0.128 - 0.052 | 5.26 x 10 ⁻⁶ | 0.099 | 2.45 |
| PPS1.0-29S | 29 | 29 | 31 | 0.128 - 0.052 | 5.96 x 10 ⁻⁶ | 0.102 | 2.54 |
| PPS1.0-30S | 30 | 30 | 32 | 0.128 - 0.052 | 6.75 x 10 ⁻⁶ | 0.106 | 2.89 |



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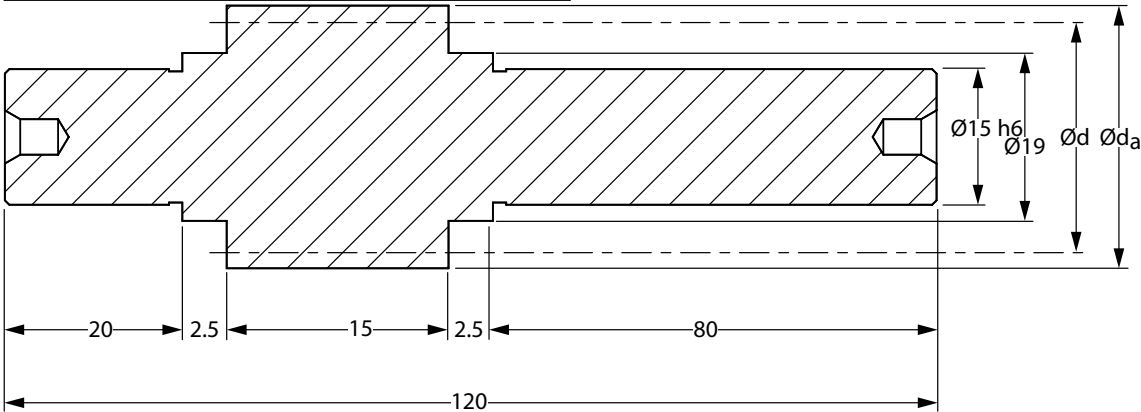
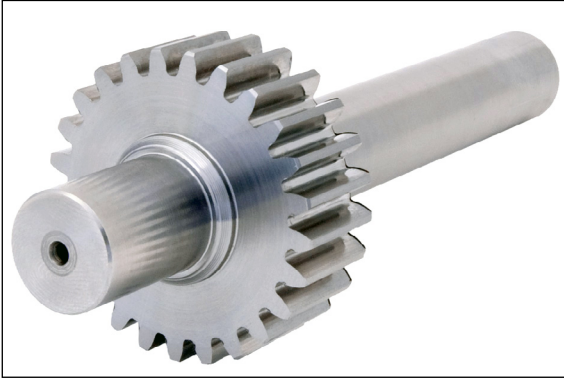
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CAD Drawings Available On Request

PRECISION GEARS

1.5 Module Pinion Shafts α 20° PA

Quality Grade 7e25 DIN 3961/3967 (AGMA Q10)



DIN 3967 Tooth Thickness tol.

η Efficiency approx. 98%

Other numbers of teeth available. Please contact Sales for details.

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|---------------------------|-----------------------|--------------------|-------------------------------|---------------------------------------------------------------------|--------------------------------|----------------|----------------------------------------------------------------|
| 817M40T | | | | | | | |
| PPS1.5-16 | 16 | 24.0 | 27.0 | 0.128 - 0.052 | 7.95 x 10 ⁻⁶ | 0.203 | 4.90 |
| PPS1.5-18 | 18 | 27.0 | 30.0 | 0.128 - 0.052 | 1.03 x 10 ⁻⁵ | 0.216 | 5.49 |
| PPS1.5-19 | 19 | 28.5 | 31.5 | 0.128 - 0.052 | 1.18 x 10 ⁻⁵ | 0.224 | 5.79 |
| PPS1.5-20 | 20 | 30.0 | 33.0 | 0.128 - 0.052 | 1.35 x 10 ⁻⁵ | 0.232 | 7.71 |
| PPS1.5-21 | 21 | 31.5 | 34.5 | 0.129 - 0.051 | 1.55 x 10 ⁻⁵ | 0.240 | 8.10 |
| PPS1.5-22 | 22 | 33.0 | 36.0 | 0.129 - 0.051 | 1.78 x 10 ⁻⁵ | 0.249 | 8.48 |
| PPS1.5-23 | 23 | 34.5 | 37.5 | 0.129 - 0.051 | 2.05 x 10 ⁻⁵ | 0.259 | 8.87 |
| PPS1.5-24 | 24 | 36.0 | 39.0 | 0.129 - 0.051 | 2.35 x 10 ⁻⁵ | 0.268 | 9.25 |
| PPS1.5-25 | 25 | 37.5 | 40.5 | 0.129 - 0.051 | 2.70 x 10 ⁻⁵ | 0.278 | 9.64 |
| PPS1.5-26 | 26 | 39.0 | 42.0 | 0.129 - 0.051 | 3.08 x 10 ⁻⁵ | 0.289 | 11.79 |
| PPS1.5-27 | 27 | 40.5 | 43.5 | 0.129 - 0.051 | 3.51 x 10 ⁻⁵ | 0.300 | 12.25 |
| PPS1.5-28 | 28 | 42.0 | 45.0 | 0.129 - 0.051 | 4.00 x 10 ⁻⁵ | 0.311 | 12.70 |
| PPS1.5-29 | 29 | 43.5 | 46.5 | 0.129 - 0.051 | 4.54 x 10 ⁻⁵ | 0.323 | 13.15 |
| PPS1.5-30 | 30 | 45.0 | 48.0 | 0.129 - 0.051 | 5.13 x 10 ⁻⁵ | 0.335 | 14.97 |

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|----------------------------|-----------------------|--------------------|-------------------------------|---------------------------------------------------------------------|--------------------------------|----------------|----------------------------------------------------------------|
| 303 Stainless | | | | | | | |
| PPS1.5-16S | 16 | 24.0 | 27.0 | 0.128 - 0.052 | 7.90 x 10 ⁻⁶ | 0.206 | 2.70 |
| PPS1.5-18S | 18 | 27.0 | 30.0 | 0.128 - 0.052 | 1.02 x 10 ⁻⁵ | 0.221 | 3.29 |
| PPS1.5-19S | 19 | 28.5 | 31.5 | 0.128 - 0.052 | 1.17 x 10 ⁻⁵ | 0.228 | 3.48 |
| PPS1.5-20S | 20 | 30.0 | 33.0 | 0.128 - 0.052 | 1.34 x 10 ⁻⁵ | 0.237 | 4.63 |
| PPS1.5-21S | 21 | 31.5 | 34.5 | 0.129 - 0.051 | 1.54 x 10 ⁻⁵ | 0.245 | 4.86 |
| PPS1.5-22S | 22 | 33.0 | 36.0 | 0.129 - 0.051 | 1.77 x 10 ⁻⁵ | 0.254 | 5.09 |
| PPS1.5-23S | 23 | 34.5 | 37.5 | 0.129 - 0.051 | 2.04 x 10 ⁻⁵ | 0.264 | 5.32 |
| PPS1.5-24S | 24 | 36.0 | 39.0 | 0.129 - 0.051 | 2.34 x 10 ⁻⁵ | 0.273 | 5.55 |
| PPS1.5-25S | 25 | 37.5 | 40.5 | 0.129 - 0.051 | 2.68 x 10 ⁻⁵ | 0.284 | 5.78 |
| PPS1.5-26S | 26 | 39.0 | 42.0 | 0.129 - 0.051 | 3.06 x 10 ⁻⁵ | 0.294 | 7.08 |
| PPS1.5-27S | 27 | 40.5 | 43.5 | 0.129 - 0.051 | 3.49 x 10 ⁻⁵ | 0.306 | 7.35 |
| PPS1.5-28S | 28 | 42.0 | 45.0 | 0.129 - 0.051 | 3.97 x 10 ⁻⁵ | 0.317 | 7.62 |
| PPS1.5-29S | 29 | 43.5 | 46.5 | 0.129 - 0.051 | 4.51 x 10 ⁻⁵ | 0.329 | 7.89 |
| PPS1.5-30S | 30 | 45.0 | 48.0 | 0.129 - 0.051 | 5.10 x 10 ⁻⁵ | 0.341 | 8.98 |

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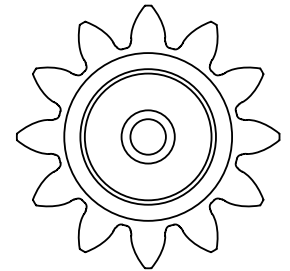
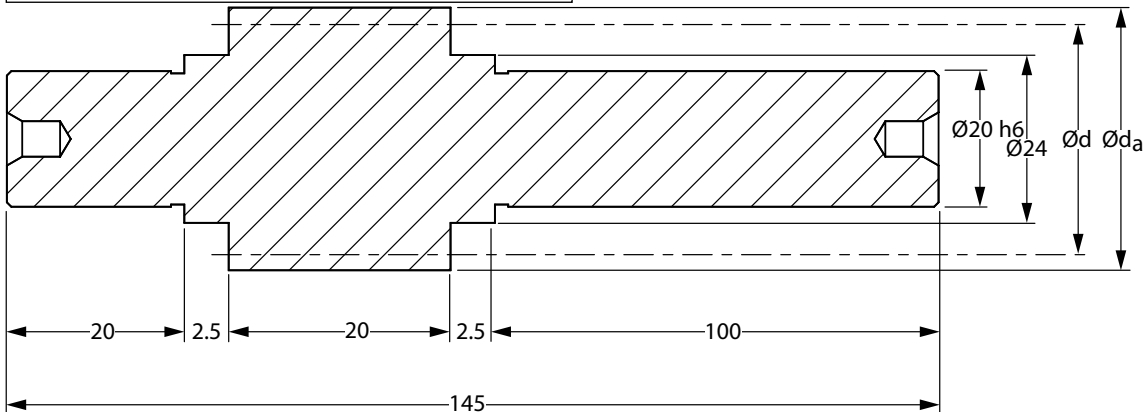
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PPS-S
2.0m_n

CAD Drawings Available On Request

PRECISION GEARS

2.0 Module Pinion Shafts α 20° PA

Quality Grade 7e25 DIN 3961/3967 (AGMA Q10)



DIN 3967 Tooth Thickness tol.

η Efficiency approx. 98%

Other numbers of teeth available. Please contact Sales for details.

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|---------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| PPS2.0-16 | 16 | 32 | 36 | 0.129 - 0.051 | 3.19 x 10 ⁻⁵ | 0.439 | 11.40 |
| PPS2.0-18 | 18 | 36 | 40 | 0.129 - 0.051 | 4.17 x 10 ⁻⁵ | 0.472 | 12.28 |
| PPS2.0-19 | 19 | 38 | 42 | 0.129 - 0.051 | 4.79 x 10 ⁻⁵ | 0.490 | 12.97 |
| PPS2.0-20 | 20 | 40 | 44 | 0.129 - 0.051 | 5.53 x 10 ⁻⁵ | 0.509 | 17.26 |
| PPS2.0-21 | 21 | 42 | 46 | 0.129 - 0.051 | 6.38 x 10 ⁻⁵ | 0.529 | 18.12 |
| PPS2.0-22 | 22 | 44 | 48 | 0.129 - 0.051 | 7.36 x 10 ⁻⁵ | 0.550 | 18.98 |
| PPS2.0-23 | 23 | 46 | 50 | 0.129 - 0.051 | 8.48 x 10 ⁻⁵ | 0.571 | 19.85 |
| PPS2.0-24 | 24 | 48 | 52 | 0.129 - 0.051 | 9.75 x 10 ⁻⁵ | 0.594 | 20.71 |
| PPS2.0-25 | 25 | 50 | 54 | 0.129 - 0.051 | 1.12 x 10 ⁻⁴ | 0.618 | 21.57 |
| PPS2.0-26 | 26 | 52 | 56 | 0.171 - 0.069 | 1.28 x 10 ⁻⁴ | 0.643 | 26.39 |
| PPS2.0-27 | 27 | 54 | 58 | 0.171 - 0.069 | 1.46 x 10 ⁻⁴ | 0.669 | 27.41 |
| PPS2.0-28 | 28 | 56 | 60 | 0.171 - 0.069 | 1.67 x 10 ⁻⁴ | 0.696 | 28.42 |
| PPS2.0-29 | 29 | 58 | 62 | 0.171 - 0.069 | 1.89 x 10 ⁻⁴ | 0.724 | 29.44 |
| PPS2.0-30 | 30 | 60 | 64 | 0.171 - 0.069 | 2.15 x 10 ⁻⁴ | 0.753 | 33.50 |

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|------------------------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 303 Stainless PPS2.0-16S | 16 | 32 | 36 | 0.129 - 0.051 | 3.16 x 10 ⁻⁵ | 0.447 | 6.90 |
| 303 Stainless PPS2.0-18S | 18 | 36 | 40 | 0.129 - 0.051 | 4.14 x 10 ⁻⁵ | 0.481 | 7.37 |
| 303 Stainless PPS2.0-19S | 19 | 38 | 42 | 0.129 - 0.051 | 4.76 x 10 ⁻⁵ | 0.499 | 7.78 |
| 303 Stainless PPS2.0-20S | 20 | 40 | 44 | 0.129 - 0.051 | 5.49 x 10 ⁻⁵ | 0.518 | 10.35 |
| 303 Stainless PPS2.0-21S | 21 | 42 | 46 | 0.129 - 0.051 | 6.34 x 10 ⁻⁵ | 0.539 | 10.87 |
| 303 Stainless PPS2.0-22S | 22 | 44 | 48 | 0.129 - 0.051 | 7.31 x 10 ⁻⁵ | 0.560 | 11.39 |
| 303 Stainless PPS2.0-23S | 23 | 46 | 50 | 0.129 - 0.051 | 8.42 x 10 ⁻⁵ | 0.582 | 11.91 |
| 303 Stainless PPS2.0-24S | 24 | 48 | 52 | 0.129 - 0.051 | 9.69 x 10 ⁻⁵ | 0.606 | 12.43 |
| 303 Stainless PPS2.0-25S | 25 | 50 | 54 | 0.129 - 0.051 | 1.11 x 10 ⁻⁴ | 0.630 | 12.94 |
| 303 Stainless PPS2.0-26S | 26 | 52 | 56 | 0.171 - 0.069 | 1.27 x 10 ⁻⁴ | 0.656 | 15.84 |
| 303 Stainless PPS2.0-27S | 27 | 54 | 58 | 0.171 - 0.069 | 1.46 x 10 ⁻⁴ | 0.682 | 16.44 |
| 303 Stainless PPS2.0-28S | 28 | 56 | 60 | 0.171 - 0.069 | 1.66 x 10 ⁻⁴ | 0.709 | 17.05 |
| 303 Stainless PPS2.0-29S | 29 | 58 | 62 | 0.171 - 0.069 | 1.88 x 10 ⁻⁴ | 0.738 | 17.66 |
| 303 Stainless PPS2.0-30S | 30 | 60 | 64 | 0.171 - 0.069 | 2.13 x 10 ⁻⁴ | 0.767 | 20.10 |

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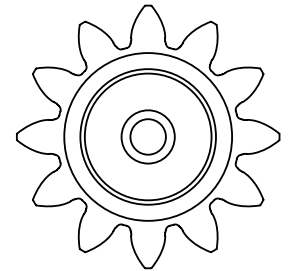
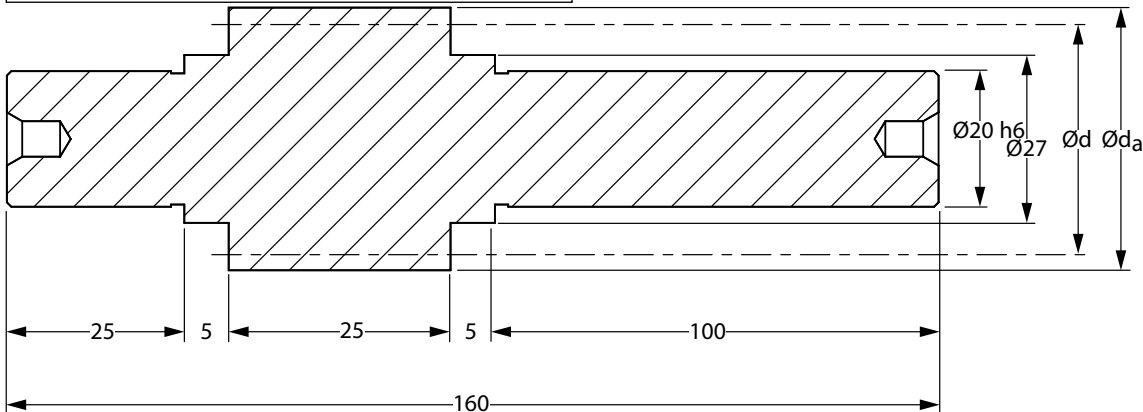
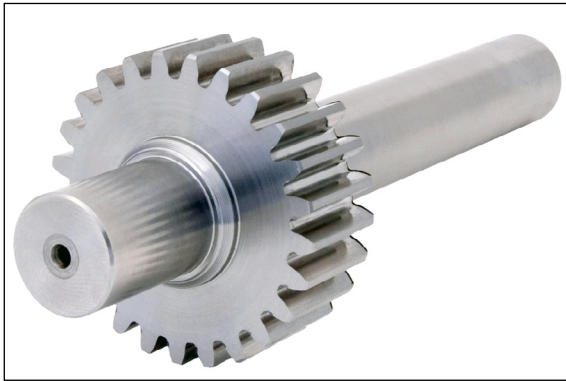
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PPS-S
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CAD Drawings Available On Request

PRECISION GEARS

2.5 Module Pinion Shafts α 20° PA

Quality Grade 7e25 DIN 3961/3967 (AGMA Q10)



DIN 3967 Tooth Thickness tol.

η Efficiency approx. 98%

Other numbers of teeth available. Please contact Sales for details.

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|---------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 817M40T | | | | | | | |
| PPS2.5-14 | 14 | 35.0 | 40.0 | 0.129 - 0.051 | 4.68 x 10 ⁻⁵ | 0.540 | 17.60 |
| PPS2.5-16 | 16 | 40.0 | 45.0 | 0.129 - 0.051 | 6.76 x 10 ⁻⁵ | 0.597 | 19.80 |
| PPS2.5-18 | 18 | 45.0 | 50.0 | 0.129 - 0.051 | 9.75 x 10 ⁻⁵ | 0.662 | 22.94 |
| PPS2.5-19 | 19 | 47.5 | 52.5 | 0.129 - 0.051 | 1.17 x 10 ⁻⁴ | 0.697 | 24.22 |
| PPS2.5-20 | 20 | 50.0 | 55.0 | 0.129 - 0.051 | 1.39 x 10 ⁻⁴ | 0.734 | 32.23 |
| PPS2.5-21 | 21 | 52.5 | 57.5 | 0.171 - 0.069 | 1.65 x 10 ⁻⁴ | 0.773 | 33.85 |
| PPS2.5-22 | 22 | 55.0 | 60.0 | 0.171 - 0.069 | 1.95 x 10 ⁻⁴ | 0.814 | 35.46 |
| PPS2.5-23 | 23 | 57.5 | 62.5 | 0.171 - 0.069 | 2.29 x 10 ⁻⁴ | 0.857 | 37.07 |
| PPS2.5-24 | 24 | 60.0 | 65.0 | 0.171 - 0.069 | 2.68 x 10 ⁻⁴ | 0.901 | 38.68 |
| PPS2.5-25 | 25 | 62.5 | 67.5 | 0.171 - 0.069 | 3.12 x 10 ⁻⁴ | 0.948 | 40.29 |

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|----------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 303 Stainless | | | | | | | |
| PPS2.5-14S | 14 | 35.0 | 40.0 | 0.129 - 0.051 | 4.65 x 10 ⁻⁵ | 0.551 | 9.40 |
| PPS2.5-16S | 16 | 40.0 | 45.0 | 0.129 - 0.051 | 6.71 x 10 ⁻⁵ | 0.608 | 11.70 |
| PPS2.5-18S | 18 | 45.0 | 50.0 | 0.129 - 0.051 | 9.69 x 10 ⁻⁵ | 0.674 | 13.77 |
| PPS2.5-19S | 19 | 47.5 | 52.5 | 0.129 - 0.051 | 1.16 x 10 ⁻⁴ | 0.710 | 14.53 |
| PPS2.5-20S | 20 | 50.0 | 55.0 | 0.129 - 0.051 | 1.38 x 10 ⁻⁴ | 0.748 | 19.34 |
| PPS2.5-21S | 21 | 52.5 | 57.5 | 0.171 - 0.069 | 1.64 x 10 ⁻⁴ | 0.788 | 20.31 |
| PPS2.5-22S | 22 | 55.0 | 60.0 | 0.171 - 0.069 | 1.94 x 10 ⁻⁴ | 0.829 | 21.27 |
| PPS2.5-23S | 23 | 57.5 | 62.5 | 0.171 - 0.069 | 2.28 x 10 ⁻⁴ | 0.873 | 22.24 |
| PPS2.5-24S | 24 | 60.0 | 65.0 | 0.171 - 0.069 | 2.66 x 10 ⁻⁴ | 0.919 | 23.21 |
| PPS2.5-25S | 25 | 62.5 | 67.5 | 0.171 - 0.069 | 3.10 x 10 ⁻⁴ | 0.966 | 24.18 |



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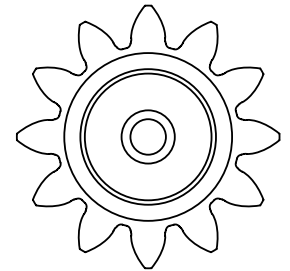
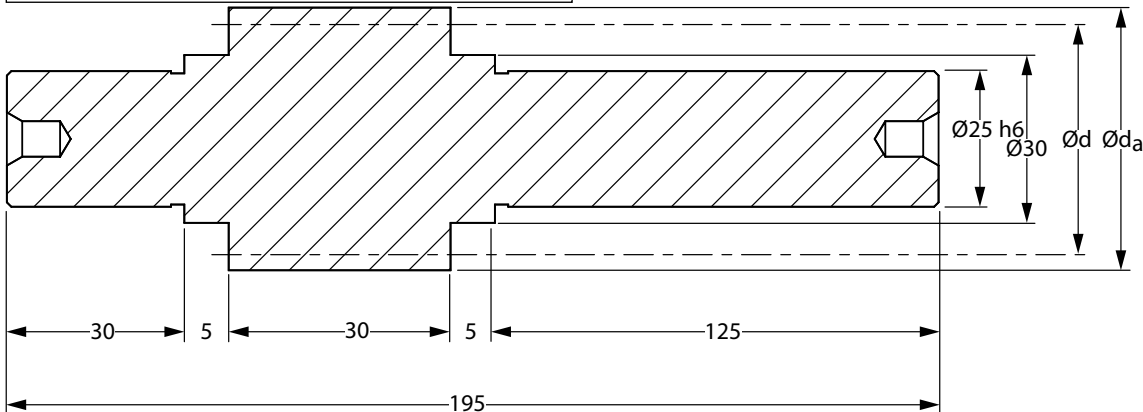
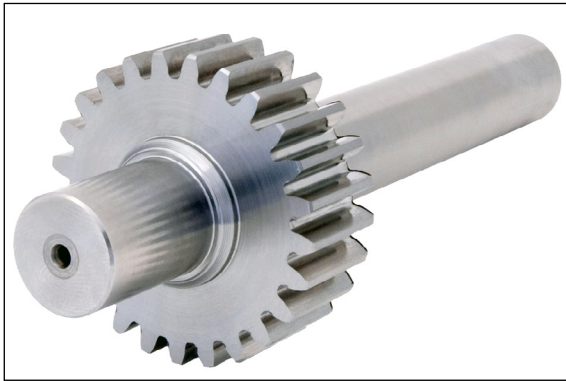
Product information updated March 2017 and subject to change. Please click the product links for prices and availability.

| | |
|-------------------------------------------------------|------------------------------------------------------------------------|
| PPS PPS-S 3.0m_n | <i>CAD</i> <i>Drawings</i> <i>Available</i> <i>On Request</i> |
|-------------------------------------------------------|------------------------------------------------------------------------|

PRECISION GEARS

3.0 Module Pinion Shafts α 20° PA

Quality Grade 7e25 DIN 3961/3967 (AGMA Q10)



DIN 3967 Tooth Thickness tol.

η Efficiency approx. 98%

Other numbers of teeth available. Please contact Sales for details.

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|---------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 817M40T | | | | | | | |
| PPS3.0-14 | 14 | 42 | 48 | 0.129 - 0.051 | 1.25 x 10 ⁻⁴ | 0.976 | 31.60 |
| PPS3.0-16 | 16 | 48 | 54 | 0.129 - 0.051 | 1.76 x 10 ⁻⁴ | 1.074 | 34.10 |
| PPS3.0-18 | 18 | 54 | 60 | 0.171 - 0.069 | 2.51 x 10 ⁻⁴ | 1.186 | 38.23 |
| PPS3.0-19 | 19 | 57 | 63 | 0.171 - 0.069 | 2.98 x 10 ⁻⁴ | 1.246 | 40.35 |
| PPS3.0-20 | 20 | 60 | 66 | 0.171 - 0.069 | 3.54 x 10 ⁻⁴ | 1.311 | 53.71 |
| PPS3.0-21 | 21 | 63 | 69 | 0.171 - 0.069 | 4.19 x 10 ⁻⁴ | 1.378 | 56.39 |
| PPS3.0-22 | 22 | 66 | 72 | 0.171 - 0.069 | 4.93 x 10 ⁻⁴ | 1.449 | 59.08 |
| PPS3.0-23 | 23 | 69 | 75 | 0.171 - 0.069 | 5.78 x 10 ⁻⁴ | 1.523 | 61.76 |
| PPS3.0-24 | 24 | 72 | 78 | 0.171 - 0.069 | 6.75 x 10 ⁻⁴ | 1.600 | 64.45 |
| PPS3.0-25 | 25 | 75 | 81 | 0.171 - 0.069 | 7.84 x 10 ⁻⁴ | 1.681 | 67.13 |

| Part Number | No. of Teeth <i>z</i> | Ref. Dia. <i>d</i> | Tip Dia. <i>d_a</i> | Backlash (mm) <i>j_{t,e} (max) j_{t,i} (min)</i> | Inertia <i>kgm²</i> | Mass <i>kg</i> | Torque <i>T₂ Nm</i> <i>n₂ 100 Rpm</i> |
|-------------------------------|--------------------------|-----------------------|----------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|-------------------------------------------------------------------|
| 303 Stainless | | | | | | | |
| PPS3.0-14S | 14 | 42 | 48 | 0.129 - 0.051 | 1.24 x 10 ⁻⁴ | 0.995 | 17.30 |
| PPS3.0-16S | 16 | 48 | 54 | 0.129 - 0.051 | 1.75 x 10 ⁻⁴ | 1.095 | 19.50 |
| PPS3.0-18S | 18 | 54 | 60 | 0.171 - 0.069 | 2.49 x 10 ⁻⁴ | 1.208 | 22.94 |
| PPS3.0-19S | 19 | 57 | 63 | 0.171 - 0.069 | 2.96 x 10 ⁻⁴ | 1.270 | 24.21 |
| PPS3.0-20S | 20 | 60 | 66 | 0.171 - 0.069 | 3.52 x 10 ⁻⁴ | 1.336 | 32.22 |
| PPS3.0-21S | 21 | 63 | 69 | 0.171 - 0.069 | 4.16 x 10 ⁻⁴ | 1.404 | 33.83 |
| PPS3.0-22S | 22 | 66 | 72 | 0.171 - 0.069 | 4.90 x 10 ⁻⁴ | 1.476 | 35.45 |
| PPS3.0-23S | 23 | 69 | 75 | 0.171 - 0.069 | 5.74 x 10 ⁻⁴ | 1.552 | 37.06 |
| PPS3.0-24S | 24 | 72 | 78 | 0.171 - 0.069 | 6.71 x 10 ⁻⁴ | 1.631 | 38.67 |
| PPS3.0-25S | 25 | 75 | 81 | 0.171 - 0.069 | 7.79 x 10 ⁻⁴ | 1.713 | 40.28 |



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