

PowerAC Trapezoidal Assembly 903 RA w/Plastic Nut

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Trapezoidal Lead Screw (Screw)Product Info

| | |
|------------------|-------------|
| Screw Code | 903 RA |
| Screw Material | 4140 Series |
| Thread Direction | RH |

(Screw)Details

| | |
|---|------|
| Diameter | 20 |
| Lead | 4 |
| Starts | 1 |
| Pitch [mm] | 4 |
| Lead Accuracy +/- [μ m/25mm] | 6.25 |
| Thread Code | 903 |
| End Code for Types 1,2,3,5 [* Journals may show tracings of the thread] | 12 |
| End Code for Type 4 [* Journals may show tracings of the thread] | 8 |

(Screw)Dimensions

| | |
|--------------------------------|-------|
| A - Root Diameter Mmmimum [mm] | 14.90 |
| D - Nominal Rod Diameter | 20 |

(Screw)Part Numbers

| | |
|---------------------|-------|
| 1800 mm Part Number | 15903 |
| 3600 mm Part Number | 16903 |
| 900 mm Part Number | 14903 |

(Screw)Weight

| | |
|-----------------------|---|
| Weight Per Meter [kg] | 2 |
|-----------------------|---|

Trapezoidal Lead Nut

(Nut)Product Info

| | |
|------------------|---------|
| Part Number | 30903 |
| Thread Direction | RH |
| Type | Plastic |

(Nut)Details

| | |
|------------------------------|------|
| Diameter | 20 |
| Lead [mm] | 4 |
| Starts | 1 |
| Pitch [mm] | 4 |
| Lash (Maximum Axial in) [mm] | 0.24 |
| Nominal Rod Diameter | 20 |
| Thread Code | 903 |

(Nut)Dimensions

| | |
|-----------------|----------|
| B [mm] | 32.0 |
| C [mm] | 34.0 |
| E [mm] | 13.00 |
| F (n) Dia. [mm] | (4) 7.00 |
| F BCD [mm] | 60.00 |
| G [mm] | 14.0 |
| H [mm] | 75.0 |
| J [mm] | M30x1.5 |

(Nut)Forces and Torques

| | |
|---------------------------|-------|
| Torque to Raise 1 kN [Nm] | 1.580 |
|---------------------------|-------|

(Nut)Flange Part Numbers

| | |
|--------------------|-------|
| Flange Part Number | 72003 |
|--------------------|-------|

(Nut)Weight

| | |
|--------------------|------|
| Flange Weight [kg] | 0.39 |
| Nut Weight [g] | 31 |

(Nut)Performance Specifications

| | |
|-----------------------------------|------|
| Efficiency [%] | 40 |
| Lead Accuracy +/- [μ m/25mm] | 6.25 |
| Dynamic Load Capacity [N] | 6895 |
| Static Load Capacity [N] | 6895 |