

PowerAC Trapezoidal Assembly 905 RA w/Plastic Nut

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Trapezoidal Lead Screw

Product Info

| | |
|------------------|-------------|
| Screw Code | 905 RA |
| Screw Material | 4140 Series |
| Thread Direction | RH |

Details

| | |
|---|------|
| Diameter | 40 |
| Lead | 7 |
| Starts | 1 |
| Pitch [mm] | 7 |
| Lead Accuracy +/- [*MU*m/25mm] | 6.25 |
| Thread Code | 905 |
| End Code for Types 1,2,3,5 [* Journals may show tracings of the thread] | 30 |
| End Code for Type 4 [* Journals may show tracings of the thread] | 19 |

Dimensions

| | |
|--------------------------------|-------|
| A - Root Diameter Mmmimum [mm] | 30.95 |
| D - Nominal Rod Diameter | 40 |

Part Numbers

| | |
|---------------------|-------|
| 1800 mm Part Number | 15905 |
| 3600 mm Part Number | 16905 |
| 900 mm Part Number | 14905 |

Weight

| | |
|-----------------------|------|
| Weight Per Meter [kg] | 8.16 |
|-----------------------|------|

Trapezoidal Lead Nut

Product Info

| | |
|------------------|---------|
| Part Number | 30905 |
| Thread Direction | RH |
| Type | Plastic |

Details

| | |
|------------------------------|------|
| Diameter | 40 |
| Lead [mm] | 7 |
| Starts | 1 |
| Pitch [mm] | 7 |
| Lash (Maximum Axial in) [mm] | 0.32 |
| Nominal Rod Diameter | 40 |
| Thread Code | 905 |

Dimensions

| | |
|-----------------|-----------|
| B [mm] | 60.0 |
| C [mm] | 60.0 |
| E [mm] | 20.00 |
| F (n) Dia. [mm] | (4) 11.00 |
| F BCD [mm] | 90.00 |
| G [mm] | 21.0 |
| H [mm] | 120.0 |
| J [mm] | M55.1.5 |

Forces and Torques

| | |
|---------------------------|-------|
| Torque to Raise 1 kN [Nm] | 3.022 |
|---------------------------|-------|

Flange Part Numbers

| | |
|--------------------|-------|
| Flange Part Number | 72005 |
|--------------------|-------|

Weight

| | |
|--------------------|------|
| Flange Weight [kg] | 1.40 |
| Nut Weight [g] | 160 |

Performance Specifications

| | |
|--------------------------------|-------|
| Efficiency [%] | 37 |
| Lead Accuracy +/- [*MU*m/25mm] | 6.25 |
| Dynamic Load Capacity [N] | 27580 |
| Static Load Capacity [N] | 27580 |