



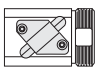
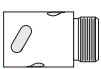
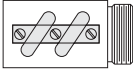
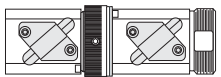
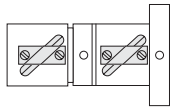
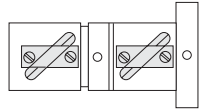
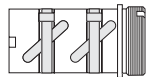
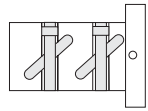
**SRT, XPR and SGT
BALL SCREWS**

All ball screws are manufactured under controlled rolling or grinding processes. Heat treatment is controlled to guarantee consistent high quality.

PowerTrac™ SRT rolled alloy or stainless steel ball screw assemblies feature ± 0.004 "/ft lead accuracy.

PowerTrac™ XPR precision rolled ball screw assemblies feature ± 0.001 "/ft lead accuracy.

PowerTrac™ SGT precision ground ball screw assemblies feature ± 0.0005 "/ft lead accuracy.

<p>SBN for SRT</p>  <p>Internal Return</p> 	<p>SGN Standard Ground Nut for SRT, XPR and SGT with V Thread</p> 	<p>SEL Preload for SRT V Thread and Wipers</p> 	<p>SAR Adjustable Preload for SRT with Integral Flange and Wipers</p> 	<p>SAG Adjustable Preload for SGT with Integral Flange and Wipers</p> 	<p>PRN Internal Preload for XPR/SGT V Thread and Wipers</p> 	<p>SSN Internal Preload for XPR/SGT with Integral Flange and Wipers</p> 
--	---	--	---	--	---	---

SRT, XPR and SGT BALL NUTS

SBN Standard Ball Nut (no preload) for SRT screw – offer durable, low cost linear motion. Mounting flanges and wiper kits can be installed on the SBN nuts.

SGN Standard Ground Nut (“V” thread, no preload) for SRT, XPR or SGT Screw – are similar to SBN style ball nuts and have internal threads that are ground into the ball nut body. These nuts provide smooth, precise operation on rolled thread or ground thread ball screws.

SEL Standard Easy-Loc Adjustable Preload Ball Nut for SRT Screw – designed to eliminate the axial play or movement associated with standard ball nuts. Mounting flanges and wiper kits can be installed on the SEL nuts.

SAR Standard Adjustable Preload Ball Nut (Ground Ball Groove, Integral Flange & Wipers) for SRT Screw – offer the same high performance features found in precision ground thread ball nut assemblies with the added ability to run on rolled thread or ground thread screws. The SAR ball nut features adjustable preload, ground ball races, integral flange and wipers. The precision ground flange assures alignment of the nut preventing unnecessary wear.

SAG Standard Adjustable Preload Ball Nut (Ground Ball Groove, Integral Flange and Wipers) for SGT Screw – offer the precision tolerances of ground ball screw systems with the flexibility of adjustable preload.

PRN Standard Internal Preload Nut (“V” thread end with wipers) for XPR or SGT Screws – has a preload that is created by shifted internal threads that are ground in a single set-up. The resulting concentricity assures uniform preload. The PRN ball nuts are compact and stiff due to the single nut integral preload configuration. Factory fitting on ball screws provides a backlash-free system with uniform torque, high stiffness and long life.

SSN Standard Internal Preload Nut (Integral flange and wipers) for XPR or SGT Screws – have the same features as the PRN nut design while incorporating an integral flange.



With over thirty years of experience manufacturing precision ball screws, Nook Industries has expanded the PowerTrac™ offering to include metric ball screws providing design engineers a globally accepted product. Metric ball screws are available in many diameters, leads, and pitches.

The metric ball screws are available with internal, low profile external or external return guide ball nuts in more than 25 sizes. Several Nook metric products are available with preloaded ball nut systems. See the metric ball screw product technical data pages 155-173 for additional detail.

METRIC BALL SCREW AND NUT TECHNICAL DATA



MRT and PMT BALL SCREWS

These screw assemblies are similar in construction and materials to PowerTrac™ Inch Ball Screws and Nuts.

MRT Standard lead accuracy:

±100µm / 300mm

PMT Standard lead accuracy:

±25µm / 300mm

Temperature Range:

For standard applications: -20° to +80° C

Wipers: Plastic



CARRY™ BALL SCREWS

PowerTrac™ Carry™ Metric Rolled Ball Screws are hardworking and durable. Designed for applications which require predictable life while moving a load with high efficiency and duty cycle. These screws are economical and maintain lead accuracy that is appropriate for most industrial applications.

Made of hardened alloy PowerTrac™ Carry™ ball screws are matched with a range of durable ball nuts with either external low-profile returns or internal returns. Their compact shape enhances the inherent advantages of ball screw design.

Standard lead accuracy: is ±100µm / 300mm
±50µm / 300mm available on request.

Temperature Range:

For standard applications: -20° to +80° C

Wipers: Plastic or brush

CARRY™ BALL NUTS

TYPE Z:

Internal Return or Low-Profile
External Return

TYPE FG:

Internal Return or Low-Profile
External Return

TYPE FB:

Internal Return or Low-Profile
External Return

16x50:

Internal
Return

