

# NATIONAL

BEARINGS+POWER TRANSMISSION PRODUCTS



[ntl-bpt.com](http://ntl-bpt.com)

## Shaft Collars

1-877-469-2529

## SHAFT COLLARS

### SOLID SHAFT COLLARS

- National shaft collars are offered in multiple styles in a variety of materials and finishes.
- Collars are stamped with the bore size for easy identification.
- One-piece clamp style shaft collars wrap around the shaft for even distribution of clamping forces. This results in a tight fit and greater holding power, without the shaft damage caused by set screws.
- Two-piece clamp style shaft collars offer the same benefits of the one-piece clamp style shaft collars with additional versatility and convenience. They are easily disassembled, reducing labor and downtime when adjustment, removal, or replacement is necessary.
- National now offers its shaft collars in 316 stainless steel as an option. The socket head cap screws are also made of 316 stainless steel to ensure full anti-corrosion.



Zinc Plated finish.  
Stainless steel option: add suffix SS.

ITEM	BORE	OD	WIDTH	CAP SCREW SIZE
SC 1/8	1/8	0.355	0.250	6-32X1/8
SC 3/16	3/16	0.418	0.250	8-32X1/8
SC 1/4	1/4	0.480	0.281	10-32X1/8
SC 5/16	5/16	0.605	0.313	10-32X1/8
SC 3/8	3/8	0.730	0.375	1/4-20X3/16
SC 7/16	7/16	0.855	0.437	1/4-20X1/4
SC 1/2	1/2	0.980	0.437	1/4-20X1/4
SC 9/16	9/16	0.980	0.437	1/4-20X1/4
SC 5/8	5/8	1.105	0.500	5/16-18X1/4
SC 11/16	11/16	1.230	0.562	5/16-18X1/4
SC 3/4	3/4	1.230	0.562	5/16-18X1/4
SC 13/16	13/16	1.480	0.562	5/16-18X1/4
SC 7/8	7/8	1.480	0.562	5/16-18X1/4
SC 15/16	15/16	1.605	0.562	5/16-18X1/4
SC1	1	1.605	0.625	5/16-18X5/16
SC1 1/16	1-1/16	1.730	0.625	5/16-18X5/16

All pictures may differ from the final products. Product availability and specifications are subject to change without notice.

# SHAFT COLLARS

## SOLID SHAFT COLLARS (CONT'D)

Zinc Plated finish.  
Stainless steel option: add suffix SS.



ITEM	BORE	OD	WIDTH	CAP SCREW SIZE
SC1 1/8	1-1/8	1.730	0.625	5/16-18X5/16
SC1 3/16	1-3/16	1.975	0.687	3/8-16X3/8
SC1 1/4	1-1/4	1.975	0.687	3/8-16X3/8
SC1 5/16	1-5/16	2.100	0.687	3/8-16X3/8
SC1 3/8	1-3/8	2.100	0.750	3/8-16X3/8
SC1 7/16	1-7/16	2.225	0.813	3/8-16X3/8
SC1 1/2	1-1/2	2.225	0.813	3/8-16X3/8
SC1 9/16	1-9/16	2.480	0.813	3/8-16X3/8
SC1 5/8	1-5/8	2.480	0.813	3/8-16X3/8
SC1 11/16	1-11/16	2.480	0.813	3/8-16X3/8
SC1 3/4	1-3/4	2.720	0.875	1/2-13X1/2
SC1 7/8	1-7/8	2.720	0.875	1/2-13X1/2
SC1 15/16	1-15/16	2.975	0.875	1/2-13X1/2
SC2	2	2.975	0.875	1/2-13X1/2
SC2 1/8	2-1/8	2.975	0.875	1/2-13X1/2
SC2 3/16	2-3/16	3.225	0.937	1/2-13X1/2
SC2 1/4	2-1/4	3.225	0.937	1/2-13X1/2
SC2 3/8	2-3/8	3.225	0.937	1/2-13X1/2
SC2 7/16	2-7/16	3.470	1.000	1/2-13X1/2
SC2 1/2	2-1/2	3.470	1.000	1/2-13X1/2
SC2 15/16	2-15/16	4.220	1.125	1/2-13X5/8
SC3	3	4.220	1.125	1/2-13X5/8
SC3 7/16	3-7/16	4.470	1.125	1/2-13X5/8
SC20MM	20mm	32mm	14mm	M6X8

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## SHAFT COLLARS

### SPLIT SHAFT COLLARS

Black Oxide finish  
Stainless steel option: add suffix SS.

Single Split



Double Split



ITEM		BORE	OD	WIDTH	CAP SCREW SIZE
SINGLE	DOUBLE				
1SC 1/8	2SC 1/8	1/8	0.500	0.250	4-40X3/8
1SC 3/16	2SC 3/16	3/16	0.625	0.313	4-40X3/8
1SC 1/4	2SC 1/4	1/4	0.688	0.313	4-40X3/8
1SC 5/16	2SC 5/16	5/16	0.688	0.313	4-40X3/8
1SC 3/8	2SC 3/8	3/8	0.875	0.343	6-32X3/8
1SC 7/16	2SC 7/16	7/16	0.938	0.375	6-32X3/8
1SC 1/2	2SC 1/2	1/2	1.125	0.406	8-32X1/2
1SC 9/16	2SC 9/16	9/16	1.250	0.438	10-32X1/2
1SC 5/8	2SC 5/8	5/8	1.313	0.437	10-32X1/2
1SC 11/16	2SC 11/16	11/16	1.375	0.438	10-32X1/2
1SC 3/4	2SC 3/4	3/4	1.500	0.500	1/4-28X5/8
1SC 13/16	2SC 13/16	13/16	1.625	0.500	1/4-28X5/8
1SC 7/8	2SC 7/8	7/8	1.625	0.500	1/4-28X5/8
1SC 15/16	2SC 15/16	15/16	1.750	0.500	1/4-28X5/8
1SC1	2SC1	1	1.750	0.500	1/4-28X5/8
1SC1 1/16	2SC1 1/16	1-1/16	1.875	0.500	1/4-28X5/8
1SC1 1/8	2SC1 1/8	1-1/8	1.875	0.500	1/4-28X5/8
1SC1 3/16	2SC1 3/16	1-3/16	2.063	0.500	1/4-28X5/8
1SC1 1/4	2SC1 1/4	1-1/4	2.063	0.500	1/4-28X5/8
1SC1 5/16	2SC1 5/16	1-5/16	2.125	0.563	1/4-28X5/8
1SC1 3/8	2SC1 3/8	1-3/8	2.250	0.563	1/4-28X5/8
1SC1 7/16	2SC1 7/16	1-7/16	2.250	0.563	1/4-28X5/8
1SC1 1/2	2SC1 1/2	1-1/2	2.375	0.563	1/4-28X5/8
1SC1 9/16	2SC1 9/16	1-9/16	2.375	0.563	1/4-28X5/8

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# SHAFT COLLARS

## SPLIT SHAFT COLLARS (CONT'D)

Black Oxide finish  
Stainless steel option: add suffix SS.

Single Split



Double Split



ITEM		BORE	OD	WIDTH	CAP SCREW SIZE
SINGLE	DOUBLE				
1SC1 5/8	2SC1 5/8	1-5/8	2.625	0.688	5/16-24X7/8
1SC1 3/4	2SC1 3/4	1-3/4	2.750	0.688	5/16-24X7/8
1SC1 7/8	2SC1 7/8	1-7/8	2.875	0.688	5/16-24X7/8
1SC1 15/16	2SC1 15/16	1-15/16	3.000	0.688	5/16-24X7/8
1SC2	2SC2	2	3.000	0.688	5/16-24X7/8
1SC2 1/8	2SC2 1/8	2-1/8	3.250	0.750	5/16-24X7/8
1SC2 3/16	2SC2 3/16	2-3/16	3.250	0.750	5/16-24X7/8
1SC2 1/4	2SC2 1/4	2-1/4	3.250	0.750	5/16-24X7/8
1SC2 5/16	2SC2 5/16	2-5/16	3.375	0.750	5/16-24X7/8
1SC2 3/8	2SC2 3/8	2-3/8	3.500	0.750	5/16-24X7/8
1SC2 7/16	2SC2 7/16	2-7/16	3.500	0.750	5/16-24X7/8
1SC2 1/2	2SC2 1/2	2-1/2	3.750	0.875	3/8-24X7/8
1SC2 5/8	2SC2 5/8	2-5/8	3.875	0.875	3/8-24X7/8
1SC2 11/16	2SC2 11/16	2-11/16	4.000	0.875	3/8-24X7/8
1SC2 3/4	2SC2 3/4	2-3/4	4.000	0.875	3/8-24X7/8
1SC2 7/8	2SC2 7/8	2-7/8	4.250	0.875	3/8-24X7/8
1SC2 15/16	2SC2 15/16	2-15/16	4.250	0.875	3/8-24X7/8
1SC3	2SC3	3	4.250	0.875	3/8-24X7/8
1SC3 7/16	2SC3 7/16	3-7/16	4.750	0.875	3/8-24X7/8
1SC3 1/2	2SC3 1/2	3-1/2	4.750	0.875	3/8-24X7/8
1SC3 15/16	2SC3 15/16	3 15/16	5.250	0.875	3/8-24X7/8
1SC4 7/16	2SC4 7/16	4-7/16	6.125	1.000	1/2-20X7/8
1SC10MM	2SC10MM	10mm	25mm	9mm	M3

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## NATIONAL PRODUCTS LIMITED WARRANTY

**WARRANTY OFFERED BY:** This warranty (the “**Warranty**”) applies to all goods, materials, parts and products sold under the NATIONAL brand name or trademark (“**NATIONAL Products**”) by Wajax Industrial Components Limited Partnership or any of its affiliates or related entities (each a “**Wajax Entity**”); the specific Wajax Entity bound by this Warranty (“**Wajax**”) will be the Wajax Entity which is a party to the relevant contract or order with the customer (“**Customer**”) pursuant to which such NATIONAL Products are sold.

**DEFECTS WARRANTED - NATIONAL PRODUCTS:** Subject to the provisions set out in this Warranty document, Wajax warrants that NATIONAL Products are of good workmanship, free of defects in manufacture and material, and conform to Wajax’s specifications as expressly set out in the relevant contract or purchase order, subject to Wajax’s standard tolerances for specifications. If Wajax determines in its sole discretion that any NATIONAL Product (or part thereof) fails to conform with such warranty during the applicable warranty period, and that the terms and conditions of this Warranty have been fully satisfied, then Wajax (in its sole discretion) shall promptly repair or replace such NATIONAL Product (or part thereof) at Wajax’s expense and deliver the same FCA Wajax facilities, or refund the purchase price thereof. The obligations of Wajax under this Warranty shall be strictly limited to repair or replacement of any NATIONAL Product which in Wajax’s sole opinion is defective at the time of delivery of such NATIONAL Product to the Customer, or refund of the purchase price thereof. This Warranty shall apply only to NATIONAL Products sold by Wajax which have been paid for by the Customer. If Wajax elects to repair the NATIONAL Product subject to the warranty claim, the Customer shall be responsible for the removal and transportation thereof to Wajax’s designated facility, provided that if the Customer requests that the repair be done at the Customer’s site, then the Customer will be responsible for the removal thereof and Wajax will only cover the repair time spent on the site. All other expenses will be borne by the Customer. Any required repair shall be performed during Wajax’s normal business hours and if repair is required outside of normal business hours then overtime rates shall apply and the Customer shall pay Wajax’s cost differential for the same. This Warranty is subject to the limitations, warranty period, exclusions and other terms and conditions set out herein. Wajax shall warrant any repaired or replaced parts until the expiration of the original Warranty period.

**WARRANTY PERIOD:** This Warranty shall be restricted to defects in NATIONAL Products present at the time of delivery thereof to the Customer which become manifest during the period of twelve (12) months after the date of delivery of such NATIONAL Products to the Customer. Such period shall: (i) be as stated herein unless otherwise stated in the contract between Wajax and the Customer; and (ii) not be extended by the performance of any subsequent repairs or other remedial work.

**WARRANTY EXCLUSIONS:** This Warranty shall not cover, and Wajax shall not be liable under this Warranty for any damages, costs or expenses of the Customer or of any third party caused or contributed to in whole or in part by, or any defects caused by or related to:

- Any labour not performed by Wajax or defects or faults occurring or emanating as a result of the same.
- Any event or circumstance which arises through no fault of Wajax including, without limitation, disaster, force majeure, accidents, abuse, neglect, chemical, electro-chemical or electrical influences, any form of overload of any NATIONAL Product or any abnormal physical stress or environmental conditions.
- Any incorrect, improper or inadequate installation, assembly, use, storage, inspection, maintenance, handling, removal or transportation of any NATIONAL Product according to all recommendations and instructions of Wajax regarding the NATIONAL Product, and all standard industry practices.
- Any failure of the Customer to comply with all recommendations and instructions of Wajax regarding any NATIONAL Product including, without limitation, any failure of the Customer to service or maintain the NATIONAL Product or any part or component thereof in accordance with the recommended service/maintenance intervals and procedures specified by Wajax, or any use of fuels, oils, additives or any other consumable of a standard not compatible with any such recommended specifications.
- Any acts or omissions of the Customer including, without limitation, any specifications, instructions or designs specified or provided by or on behalf of the Customer.
- Normal wear and tear, or parts that, owing to their inherent material properties or their specified use, are subject to premature wear.
- Any materials or substances being processed by, or by the entry of materials or substances into, any NATIONAL Products including, without limitation debris, moisture, dust, grease or other contamination.

**WARRANTY INVALIDITY:** The Customer’s failure to observe and perform any of the following shall automatically invalidate this Warranty with respect to a NATIONAL Product:

- The Customer must comply with all requirements set out in this Warranty and any applicable contract or purchase order (and related terms and conditions) with respect to such NATIONAL Product.
- Such NATIONAL Product must be installed, assembled, handled, stored, used, operated, inspected, maintained, removed and transported in a proper and prudent manner in accordance with the recommendations and instructions of Wajax, standard industry practices, and all applicable laws.
- In the event of any incident or event giving rise to, or likely to give rise to, a claim under this Warranty, the Customer must take precautions to prevent further damage to such NATIONAL Product. Wajax shall not be liable for any further damage to such NATIONAL Product until it has been repaired to the satisfaction of Wajax.

This Warranty shall be void if the Customer:

- Has willfully concealed or misrepresented any material fact or circumstance concerning this Warranty or such NATIONAL Product (whether before or after a loss), or in case of any fraud or false statement by the Customer relating thereto.
- Transfers title of such NATIONAL Product to a third party, or lends, leases, rents or otherwise releases possession of same, in any manner whatsoever, or becomes bankrupt or placed in receivership such that such NATIONAL Product is seized or taken by a creditor or a third party claiming rights, title or ownership in such NATIONAL Product.
- Causes or permits any reconstruction, repair, alteration or modification of such NATIONAL Product to be made by any person not authorized by Wajax, or if any parts or components not supplied by Wajax are used in connection with any of the foregoing.

**NOTICE OF WARRANTY CLAIMS:** To be effective, a claim under this Warranty must be: (i) made in writing during the applicable warranty period; (ii) sent to Wajax at the Wajax branch where the NATIONAL Product was purchased; and (iii) received by Wajax within ten (10) days of the Customer’s discovery of the defect.

**ADDITIONAL LIMITATIONS:** No suit or action on this Warranty for the recovery of any claim may be sustained in any court of law or equity unless the Customer has complied with all the requirements of this Warranty and unless such suit or action is commenced within three (3) months from the date on which the Customer originally made such claim under this Warranty.

WAJAX’S TOTAL LIABILITY UNDER THIS WARRANTY WITH RESPECT TO ANY NATIONAL PRODUCT, WHETHER THROUGH REPAIR OR REPLACEMENT OF THE NATIONAL PRODUCT OR REFUND OF THE PURCHASE PRICE THEREOF, IS LIMITED TO THE AMOUNT OF THE PURCHASE PRICE ACTUALLY RECEIVED BY WAJAX FROM THE CUSTOMER FOR THE DEFECTIVE NATIONAL PRODUCT. Except for the repair, replacement or refund obligation as expressly provided herein, Wajax shall not be liable for any damages, losses, costs or expenses suffered by the Customer or any other third party of any nature or kind including, without limitation, any direct, indirect, consequential or incidental damages or loss of any kind for any reason, including down-time, loss of revenue or profits, loss of production, loss or diminution of value of property, loss of use of property or facilities, loss of economic opportunity or loss of life or injury by the Customer or any other party whether or not caused by the defective NATIONAL Product or the removal thereof. The remedies set out herein are the Customer’s sole remedies, and are Wajax’s only obligations (whether based on breach of contract, warranty, indemnity or statutory duty or in tort or otherwise), arising out of or in connection with defective or deficient NATIONAL Products.

The Warranty set out herein is the only warranty applicable to the NATIONAL Products. WAJAX EXPRESSLY DISCLAIMS, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAWS, ANY AND ALL OTHER REPRESENTATIONS, WARRANTIES, COVENANTS, CONDITIONS, GUARANTEES OR SIMILAR OBLIGATIONS, WHETHER EXPRESS OR IMPLIED BY FACT, BY LAW (INCLUDING ANY STATUTE OR REGULATION), BY CUSTOM OR TRADE USAGE OR BY ANY COURSE OF DEALING, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF QUALITY, MERCHANTABILITY, FITNESS FOR PURPOSE AND FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OR OTHERWISE, ALL OF WHICH ARE EXCLUDED AND ARE INAPPLICABLE.

**GOVERNING LAW:** This Warranty is governed by the laws of the Province of Ontario.

# NATIONAL

## BEARINGS+POWER TRANSMISSION PRODUCTS

The National Bearings and Power Transmission product line by Wajax, provides you access to a wide range of high quality components for your MRO and OEM requirements which are produced in ISO9001 and QS9001 certified facilities to our Wajax Engineering standards.

**Our wide range of products include;**

- » Ball bearings, tapered roller, spherical plain, ball bearing inserts and agricultural bearings
- » Mounted units, corrosion resistant, thermoplastic, stainless steel and waterproof
- » Roller chains, leaf chains and conveyor chains
- » Sprockets, sheaves, shaft collars, couplings and bushings
- » Custom manufacturing to meet your MRO / OEM needs

Available from our network of over 100 locations across Canada, our National brand serves a wide range of industries and applications – making your operations more productive. From Material Handling, Food and Beverage, Forestry, Agricultural, Mining, Aggregate to general processing and production – National has the products to meet your needs.



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