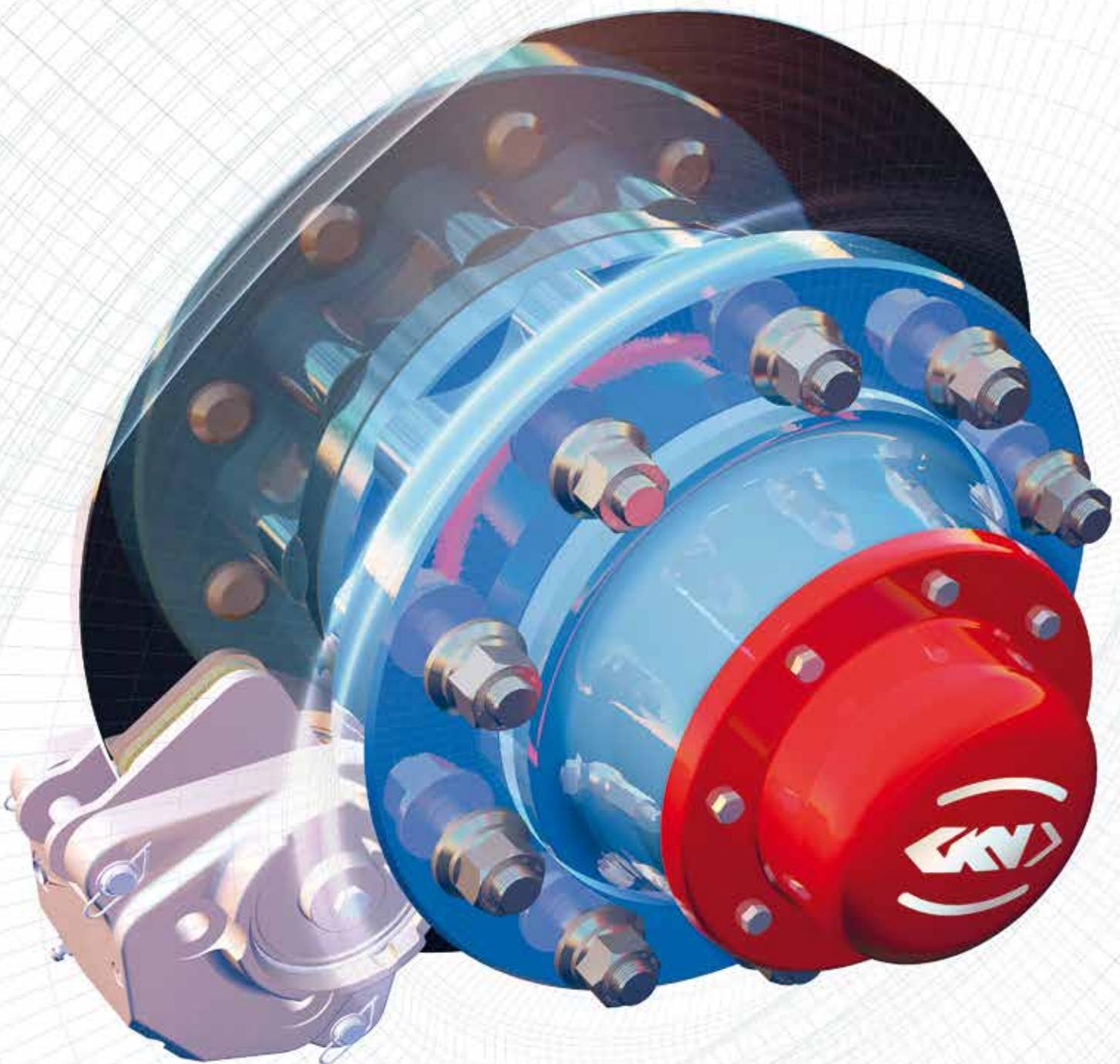




Hubs & Spindles





Hubs & Spindles

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The markets we serve

Agriculture

We work in close partnership with leading OEMs to develop, manufacture and supply products and systems specifically designed to meet the needs of the agricultural market. Extensive research and development in agricultural engineering solutions ensures we supply products that are efficient, safe and enable increased productivity of machinery.

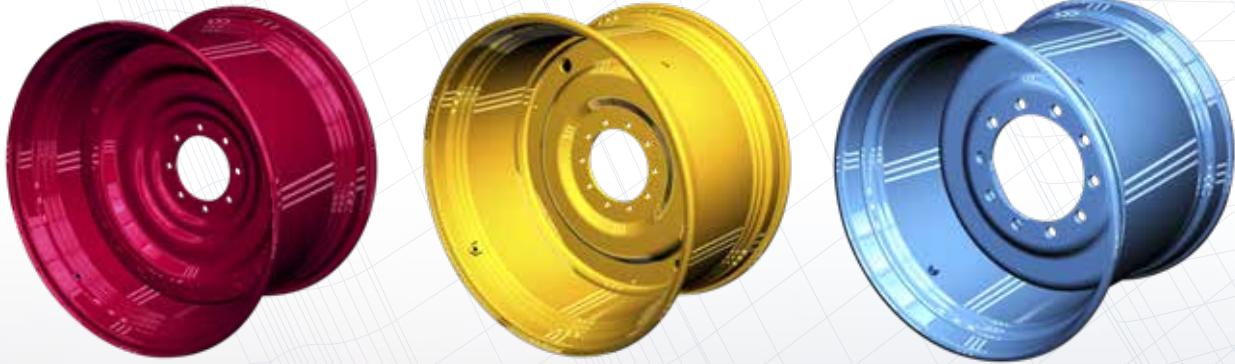
Our product range for tractors and combines includes diameters from 15" to 54" and widths from 6" to 30".

Our comprehensive portfolio of towed agricultural implement wheels includes diameters from 15" to 42" and widths from 7" to 28" in standard W, DW and TW rim profiles.

Irrigation wheels are available in diameters from 24" to 38" and widths from 8" to 15".

Bringing innovation to the agricultural market with new product solutions has been a focus over recent years. Profi-Fit and Profi-Grip wheels are both solutions brought to the market in response to customer problems.

- Profi-Fit designed for tractors and combines and enables easy tire fitting, tire protection combined with lower weight and longer rim life.
- Profi-Grip suitable for high HP tractor (>350HP) and prevents tire slippage (with standard knurling) as well as offering all the benefits of the Profi-Fit product.



Profi-Fit

Profi-Grip

Profi-Line+





Light construction, heavy construction and mining

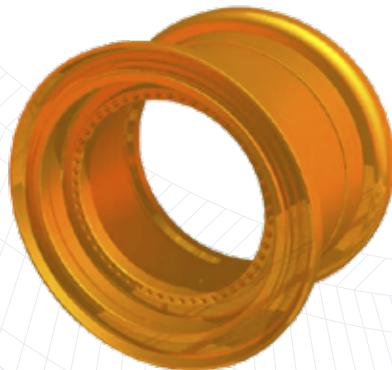
We have a wealth of experience across the construction and mining sectors, designing and manufacturing solutions for both original equipment and aftermarket customers. Our precision-engineered products and systems have been developed to meet their demands for safety, productivity, higher payloads, flexibility and efficiency, together with driver comfort.

Heavy construction and mining

Standard products are available in diameters up to 35" and widths up to 36", with a full range of accompanying components including back bands, gutter bands, drivers and lock rings.

Light construction

Our product range includes diameters from 12" to 35" and widths from 5" to 36".



Mining



Light construction



Container handler

Industrial and material handling

As world leader in the supply of wheels to the container-handling sector, we have been supplying container-handling equipment manufacturers, operators and maintainers worldwide for more than 30 years. Recognized for the quality, reliability and performance of our wheels, we enable the smooth flow of materials for standard and heavy duty specialized vehicles.

Standard products are available in diameters from 8" to 33" and widths from 4.5" to 25".

With new ranges offering increased vehicle stability, durability and extended rim life with tire protection, contact us for further information about our material handling product range.



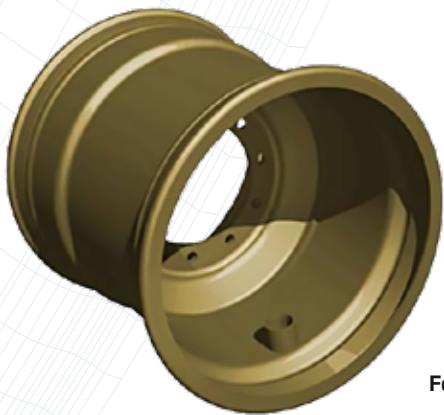


Forestry

Forestry machinery operates in difficult terrain and requires traction and stability to accommodate high loads. Our range includes complete solutions for forestry customers, combining robust designs with in-field and in-house testing to provide products that are not only safe and sustainable, but also offer increased productivity.

Standard product range includes diameters from 22.5" to 32" and widths from 20" to 27".

Product range includes rims developed in conjunction with tire manufacturers to help protect tires during fitting, durable discs and knurling.



Forestry

Products and services

As a leading manufacturer of hubs and spindles, we supply our Hub Systems range to all major manufacturers and OEM's across North America and Europe. Drawing on our extensive technical expertise, we work closely with customers to develop hubs that enhance performance by offering innovative, bespoke solutions.



Quality product and service

With a commitment to high quality manufacturing processes and finishes, we supply premium products that are custom-engineered to suit our customers' specific applications, even in the most demanding and challenging environments. Our collaborative approach, working with our customers, means that our hubs and spindles are focused on innovative designs and problem-solving to provide solutions that maximize productivity and up-time. We constantly work to design and test products which match the latest equipment trends, including higher payload capability, increased speed, lower vehicle weight and higher technical specification.

We manufacture a range of customizable hub systems for off-highway machinery, with capacities ranging from 500 lbs (227 kg) to 57,000 lbs (25,855 kg). The largest in the range is ideal for single-axle vehicles carrying out heavy duty

applications, such as grain carts, slurry wagons and towed scrapers. The hub can be fully customized, with an option to include disc brake components if required.

Bent and straight spindles can be fully customized to specified dimensions. Cultivation; Straddle and standard designs are available with a range of bolt configurations. Our hubs are all sold complete with bearings, seals, hub caps and nuts and can be supplied machined and cupped only or in assembled and greased hub and spindle units.





“Our new generation Profi-Hub range sets a new standard in global off-highway engineering, providing manufacturers of the largest trailers and machines with an unbeatable assurance of reliability and strength.”



Revolutionizing the design – Profi-Hub

GKN's innovative Profi-Hub is the perfect solution for today's machinery demands.

Designed by our specialist GKN engineers, the new Profi-Hub series combines increased carrying capacity, with improved servicing and performance.

GKN's known hub range the 871 and 873 – have been re-designed to reflect today's more demanding market requirements and offer improved features and capabilities with much greater value to customers.

Profi-Hub provides increased carrying capacity (loads up to 15,700 lbs), improved bearing performance and improved servicing, with the hub's recessed grease fitting reducing the risk of damage whilst in use and its press-on style hub cap simplifying serviceability.

Further information can be found on page 16.

The Profi-Hub range offers three areas of improvement.

Increased carrying capacity

- Capable of load requirements up to 15,700 lbs.
- Casting weight has been reduced by 15 lbs.
- As a result carbon footprint has improved by 30 lbs of CO₂ per hub.

Improved bearing performance

- The re-designed hub has been tested to demonstrate a remarkable 2.5x bearing improvement, with a design patent registered on the new shaped hub.

Improved servicing

- The recessed grease fitting reduces the risk of damage while in use.
- A press-on style hub cap simplifies the serviceability. A simple pry tool is all that is required to remove the cap.

Our hub manufacturing facility and customer service support team are located in Armstrong, Iowa, ensuring that all products are manufactured to the highest standard and value, while providing accurate and timely customer order status.

Assemblies can be delivered in a wide range of configurations to maximize installation efficiencies.

Product range and capacities

- 4 Bolt through 20 Bolt+ Bolt patterns (4, 5, 6, 8, 10 and 20 patterns).
- Traditional weight capacities range from 500 lbs to 50,000 lbs.
- Sold in a variety of configurations including machined hub, hub with cups installed, and complete hub and spindle assemblies:
 - With or without spindles.
 - With or without brake rotor mounting pads.
 - With studs, some with threaded holes for wheel mounting.
 - With bolt patterns and sizes which can be customized to meet the application and customer's requirements.

Products Design & Testing

Product Design

With extensive product design and development capabilities, we are committed to continuous product improvement and the delivery of innovative solutions to meet the changing needs of our customer and the market.

We work closely with OEMs to develop hubs that enhance performance, with each new product designed to meet the specific requirements of the customer and application, providing strength and durability without adding unnecessary weight. This assists in minimizing fuel consumption, whilst maximizing payloads.

Before any product design is undertaken, we commission a thorough and comprehensive study of customer and machine requirements, with our initial designs then being based on extensive knowledge of existing products and their applications.

Advanced analytical models are then created to enable us to develop high quality solutions in the virtual world, before committing to the manufacture of any parts. Finite element analysis and fatigue analysis, supported by a comprehensive material database, are used to develop efficient products and systems that will meet specified performance and durability requirements.

Testing

Reflecting our market leadership in the design, development and manufacture of off-highway wheels and hubs, in 2017 we commissioned new hub testing equipment to complement our existing wheel testing equipment, to create a dedicated and comprehensive wheel and hub test facility for customers across North America and further afield.

The facility now includes a new hub test stand which is capable of operating our largest capacity hub, enabling our engineers to carry out dynamic cornering fatigue testing of the hub and spindle assembly. By controlling the test load, spindle length, and test speed (to replicate the maximum bearing loads of the system under the most extreme conditions), we can now test high-capacity agricultural and construction hubs at the test centre, virtually eliminating the need for expensive and time-consuming field testing.

By undertaking testing in this real-world environment, both wheel and hub testing can be carried out to simulate virtually any operating conditions, providing accurate performance data which is not only invaluable to customers, but also informs our manufacturing, development and investment plans. The ability to apply loads up to 100,000 lbs, makes this the largest known hub testing machine in the world, enabling our engineers to develop larger hubs more quickly and more efficiently to meet our customers' needs.

We are one of the few organizations with the total engineering capability to offer design, simulation and validation and continue to make significant investments in both laboratory and field testing equipment. We have some of the most advanced purpose built, electronically controlled systems in the industry, including:

- FEA modelling and simulations
- Field testing and data acquisition
- Life expectancy/fatigue analysis

Our comprehensive facilities and approach result in:

- Products with reduced weight and enhanced durability
- Reduced lead time from design to production
- Reduced likelihood of early system problems
- Improved product reliability and dependability
- Enhanced total system performance
- Cost-effective design
- Global offering

Custom Solutions

We offer innovative custom solutions. Drawing on our extensive technical expertise and experience, we are able to provide support to customers from concept, through design, analysis and testing – employing our versatile production and engineering facilities to design, manufacture and test these unique designs.

On occasions, OEMs may require customized solutions to match specific, and often highly challenging, conditions. In such circumstances we work closely with the customer's design teams and the tire manufacturers to provide these customized solutions, enabling the OEM to accurately match wheel designs to the equipment requirements, region and operating conditions.

"Working with customers' design engineers in a collaborative way and leveraging our long standing North American hub and spindle design innovation, we provide customers with a technical resource that includes design, engineering validation and product testing."



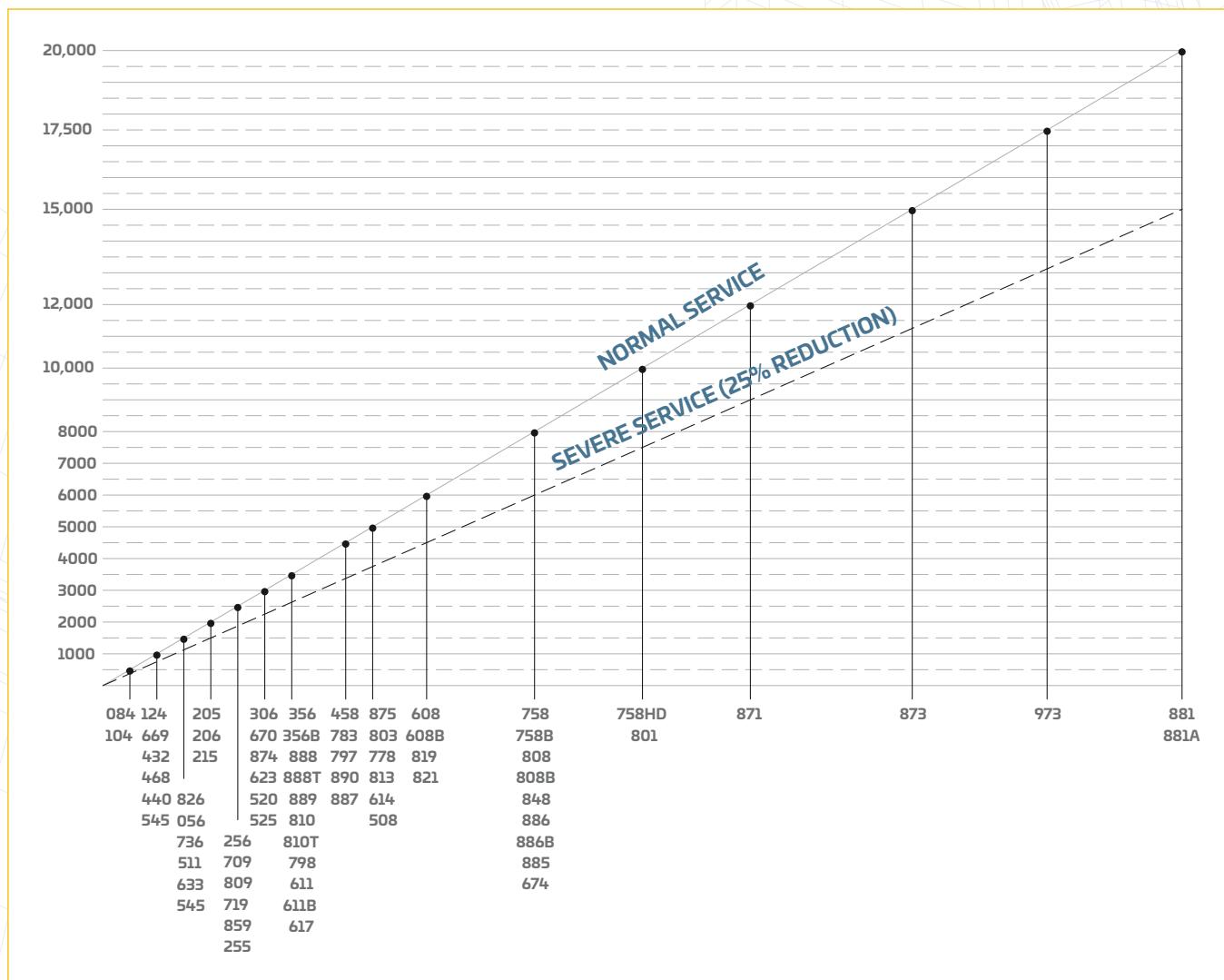
Load Ratings & Capacities

Hub capacities in this catalog are based on 20,000 mile B10 bearing life at normal tractor speeds up to 20 MPH and 14,000 PSI maximum fibre stress on the spindle in the bearing and seal area.

The use of these products for other than free rolling applications, such as drive wheels, tandem axles, hillside operations, and rough terrain, will reduce the stated capacities. The capacities assume normal tire inflation pressures and do not indicate tire capacity.

The actual capacity may vary from the stated capacity due to the conditions of service, so the manufacturer must test its equipment under the most severe conditions to determine that the proper component selection has been made.

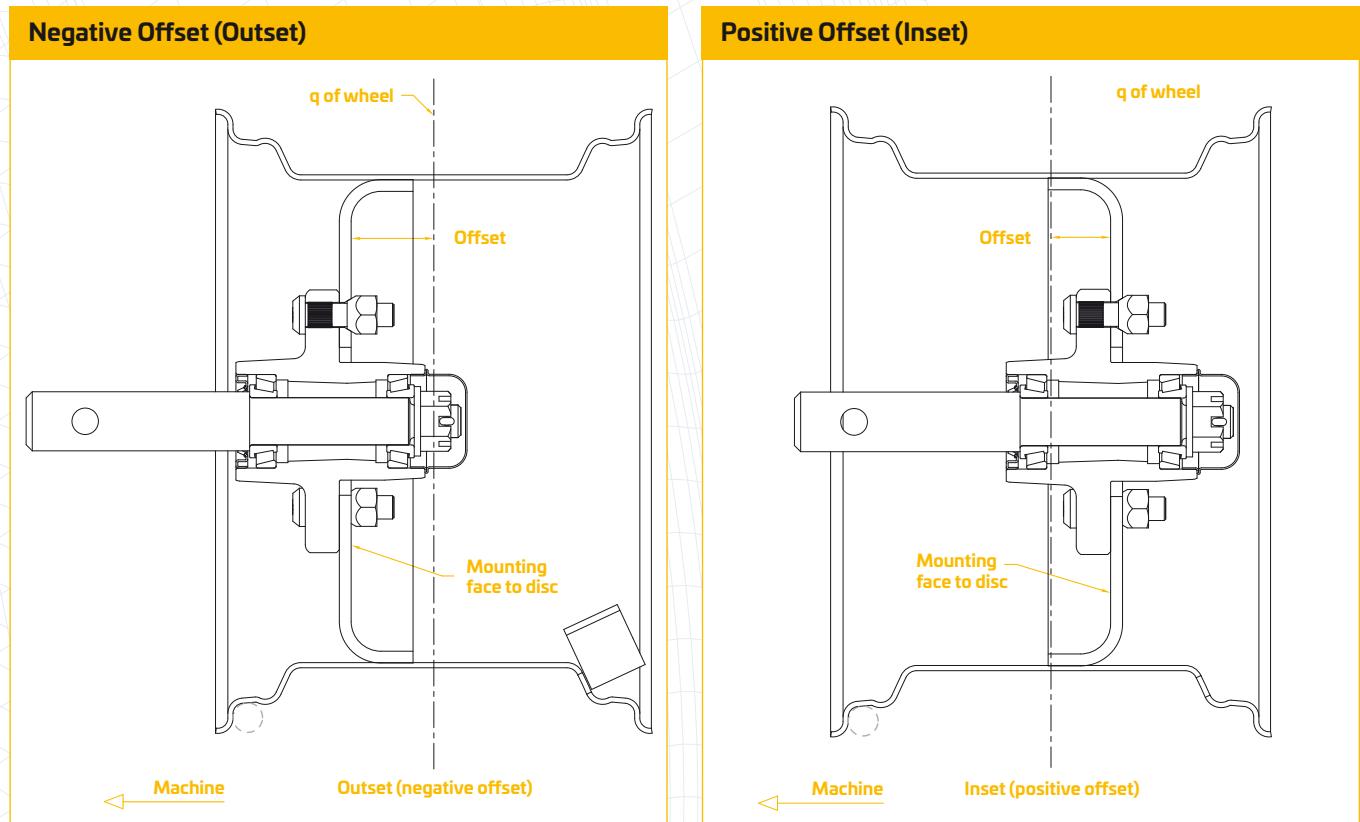
The service application graph is a general guide showing the reduction in capacity for the various hub packages when service conditions are severe.



For additional service information, please contact GKN customer service.

What is an offset?

The difference between the rim centerline and the vertical mounting face of the disc.



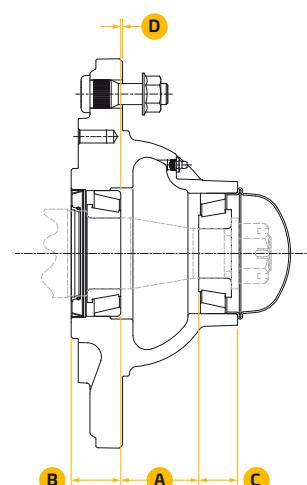
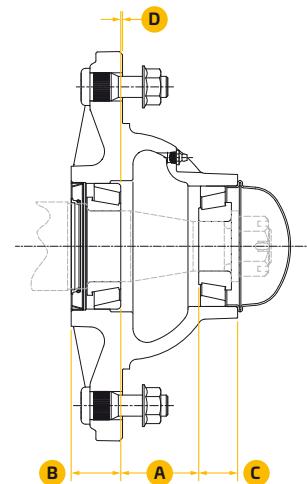
Negative offset is the distance between the mounting face of the disc and the rim centerline. This distance is termed negative when the mounting face is **in-board** of the rim centerline.

Positive offset is the distance between the mounting face of the disc and the rim centerline. This distance is termed positive when the mounting is **out-board** of the rim centerline.

Hubs & Spindles

Profi-Hub 286

10 Bolt / 11.25" Bolt circle / 8.66" [220 mm] Pilot



PROFI-Hub 286 – Technical Information

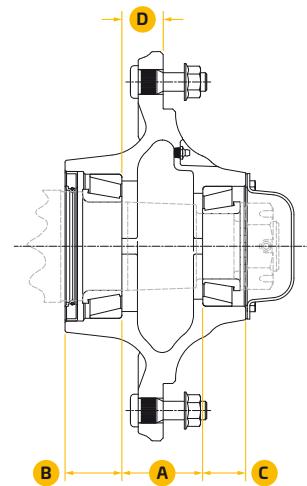
MODEL NO.	CAPACITY LBS	HUB ASSY	HUB SUB ASSY	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD BOLT	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
169A	12,800	169A286-2001	169A286-3001	39520 P702319	453A P702329	39585 P752439	2.50	460 P752437	1.75	P502118	P151409	P201612	CR30087 P602128	2.81	1.75	1.31	0.06
169B	12,800	169B286-2001	169B286-3001	39520 P702319	453A P702329	39585 P752439	2.50	460 P752437	1.75	P502118	P151409	P201612	CR30087 P602128	2.81	1.75	1.31	0.06
176A	15,700	176A286-2001	176A286-3001	33462 P702323	453A P702329	33275 P752434	2.75	460 P752437	1.75	P502118	P151409	P201612	CR33772 P602127	2.81	1.69	1.31	0.06
176B	15,700	176B286-2001	176B286-3001	33462 P702323	453A P702329	33275 P752434	2.75	460 P752437	1.75	P502118	P151409	P201612	CR33772 P602127	2.81	1.69	1.31	0.06

- 169A & 176A are non-brake version hubs.
- 169B & 176B are brake version hubs. Hubs are machined to have 6X 1/2-20 UNF bolt holes on an 8.25" brake pattern.
- All hubs are based on 0 offset.
- All hubs are equipped with a grease fitting.
- All hubs are available in grease or oil bath designs.
- All designs are compatible with previous models 871, 871B, 873, and 873B.
- Hubs are made from Gray Iron Castings.

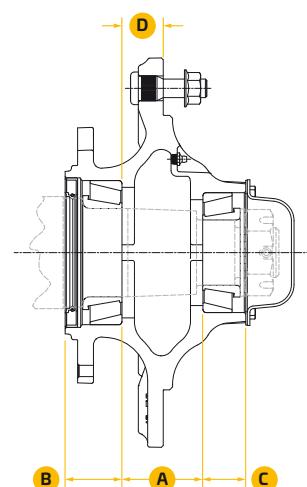
Profi-Hub 335

10 Bolt / 13.188" Bolt circle/ 11.05"

193A



193B



PROFI-Hub 335 – Technical Information

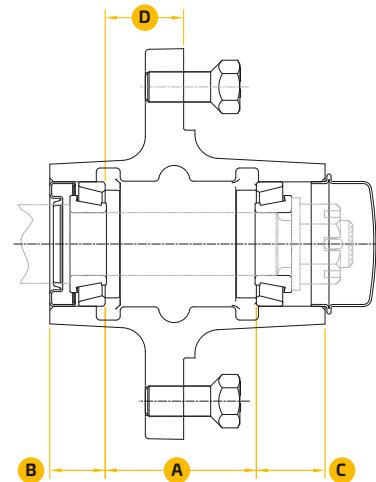
MODEL NO.	CAPACITY LBS	HUB ASSY	HUB SUB ASSY	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD BOLT	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
193A	25,400 LBS	193A335-2001	193A335-3001	HM218210 P702330	HM212011 P702290	HM218248 P752406	3.54	HM212049 P752428	2.62	P502142	P151409	P201630	CR43771 P602126	3.25	2.28	1.72	1.66
193B	25,400 LBS	193B335-2001	193B335-3001	HM218210 P702330	HM212011 P702290	HM218248 P752406	3.54	HM212049 P752428	2.62	P502142	P151409	P201630	CR43771 P602126	3.25	2.28	1.72	1.66

- 193A is a non-brake version hub.
- 193B is a brake version hubs. Hubs are machined to have 10X 1/2-20 UNF bolt holes on a 9.50" brake pattern.
- All hubs are based on 1.5" positive offset.
- All hubs are equipped with a grease fitting.
- All hubs are available in grease or oil bath designs.
- All designs are compatible with previous models 881, 981, 891, and 991.
- Hubs are made from high grade ductile iron.

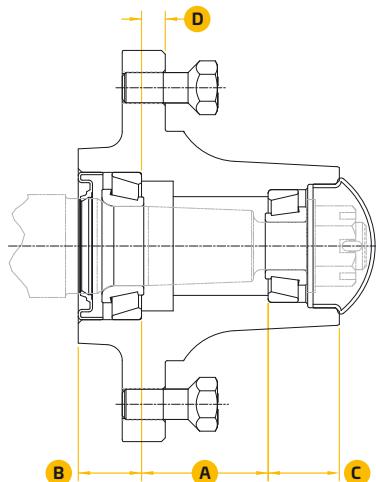
Hubs & Spindles

4 bolt / 5" bolt circle / 3.62" pilot

104



633



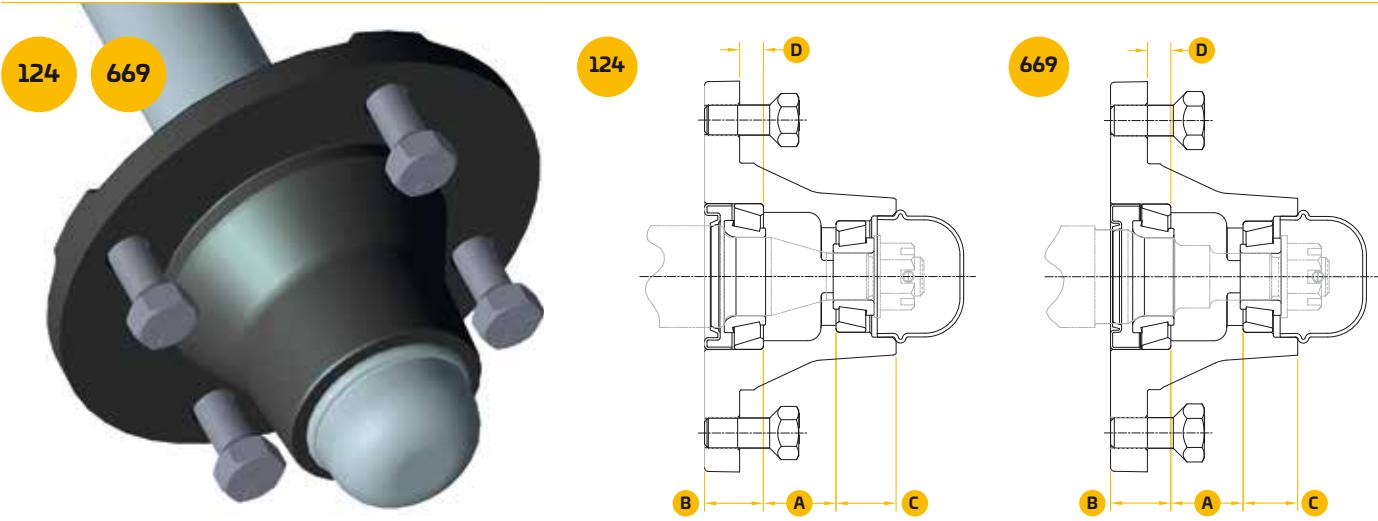
Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE	OUTER CONE	BORE	HUB CAP	BOLT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
104	1000	L104200	L104300	L44610 P702215	L44610 P702215	L44643 P752316	1.00	L44643 P752316	1.00	P502010	P101301	CR12411 P602123	2.406	0.875	1.094	1.250
633	1500	L633200	L633300	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502003	P101301	CR14974 P602111	2.00	1.00	1.12	0.38
124	1250	L124200	L124300	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502051	P101301	CR16069 P602105	1.16	0.94	0.96	0.38
669	1250	L669200	L669300	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502051	P101301	CR14974 P602111	1.16	0.97	0.88	0.37

Hub capacity based on .38" negative offset

For alternate 4 bolt Straddle, Coulter and Recreational vehicle hubs please refer to page 56-66.

4 bolt / 5" bolt circle / 3.62" pilot



Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	104	CDS	1-1/4	LS8163	LS9163	P301802	P251703	P401901	8-1/2	3/4-16	1-1/4
STRAIGHT	633	CDS	1-5/8	LS5101	LS7101	P301802	P251703	P401905	9-5/16	3/4-16	1-1/2
STRAIGHT	124	CDS	1-5/8	LS5110	LS7110	P301801	P251701	P401905	10	5/8-18	1-5/8
STRAIGHT	669	CDS	1-5/8	LS5106	LS7106	P301801	P251701	P401905	10	5/8-18	1-1/2



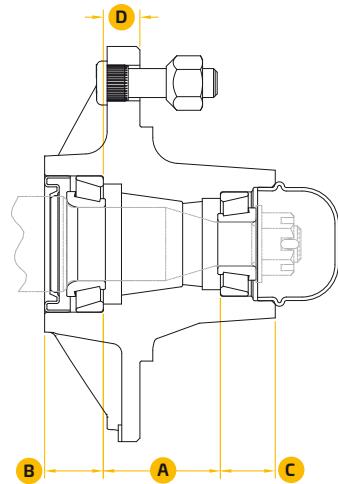
Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

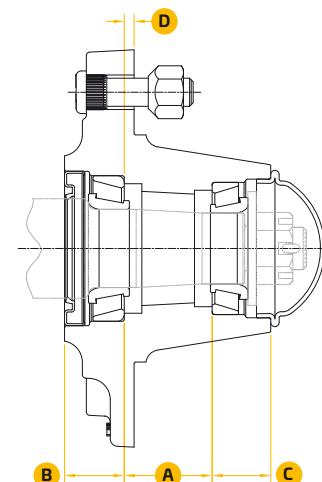
Hubs & Spindles

5 bolt / 5.50" bolt circle / 4" pilot

205



255



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
205	2000	L205200	L205300	LM67010 P702203	LM11910 P702210	P752311 LM67048	1.25	LM11949 P752305	0.75	P502006	-	P151401	P201602	CT16069 P602105	2.00	1.00	0.94	0.63
255	2500	L255200	L255300	LM48510 P702207	LM67010 P702203	LM48548 P752310	1.38	P752311 LM67048	1.25	P502002	-	P151401	P201602	CR17617 P602106	1.56	1.03	0.94	0.19
511	1800	L511200	L511300	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502051	P101301	-	-	CR14974 P602111	2.00	1.00	0.94	0.63
623	3180	L623200	L623300	24780 P702266	15245 P702229	24780 P752366	1.63	15123 P752363	1.25	P502059	-	P151422	P201638	CR21208 P602139	2.91	144	0.84	0.69

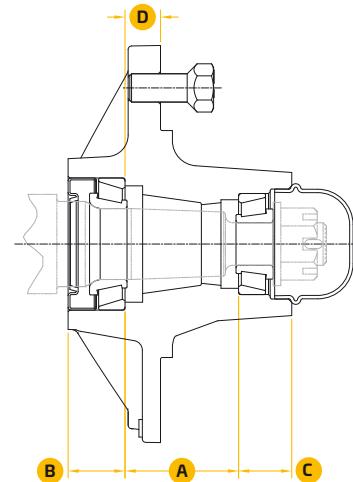
205, 255 and 511 hub capacity based on .25" negative offset

623 hub conforms to Government Standard Specifications MIL-W-8005

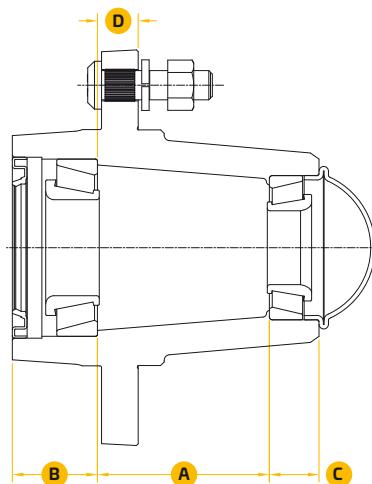
For alternate 5 bolt Straddle, Coulter and Recreational vehicle hubs please refer to page 56-66.

5 bolt / 5.50" bolt circle / 4" pilot

511



623



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	205	CDS	1-5/8	LS5114	LS7114	P301801	P251701	P401905	10	5/8 -18	1-5/8
STRAIGHT	255	CDS	1-3/4	LS5111	LS7111	P301803	P251703	P401905	12-5/16	3/4 -16	1-3/4
STRAIGHT	511	CDS	1-5/8	LS5151	LS7151	P301802	P251703	P401905	10-3/8	3/4 -16	1-1/2
STRAIGHT	623	NO STANDARD SPINDLE AVAILABLE. CONTACT GKN CUSTOMER SERVICE.									



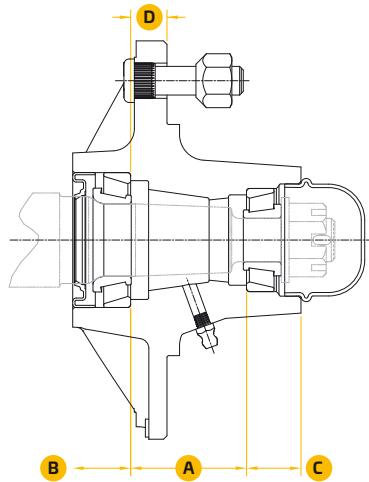
Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

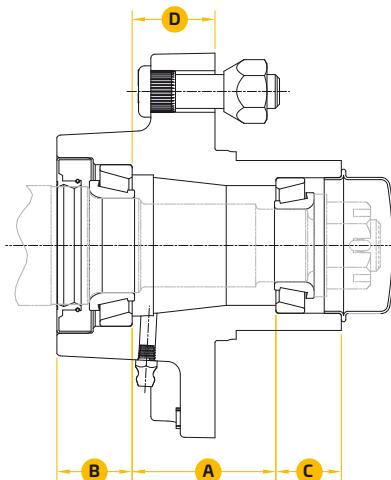
Hubs & Spindles

5 bolt / 5.50" bolt circle / 4" pilot

736



056



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD	NUT	SEAL	WEAR SLEEVE	A (IN)	B (IN)	C (IN)	D (IN)
736	1650	L736200	L736300	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502051	P151401	P201602	CR14974 P602111	-	2.00	1.00	0.94	0.62
056	1750	L056200	L056300	L68111 P702214	L44610 P702215	L68149 P752315	1.38	L44649 P752314	1.06	P502010	P151401	P201603	CR17144 P602117	-	2.10	1.10	0.95	1.21
719	2760	L719200	L719300	LM48510 P702207	LM67010 P702203	LM48548 P752310	1.38	LM67048 P752311	1.25	P502026	P151401	P201602	CR15190 P602102	-	1.56	1.00	1.06	0.22
859*	2760	L859200	L859300	LM48510 P702207	LM67010 P702203	LM48548 P752310	1.38	P752311 LM67048	1.25	P502026	P151401	P201602	P602118 CR15174	P912901	1.56	1.25	1.06	0.22

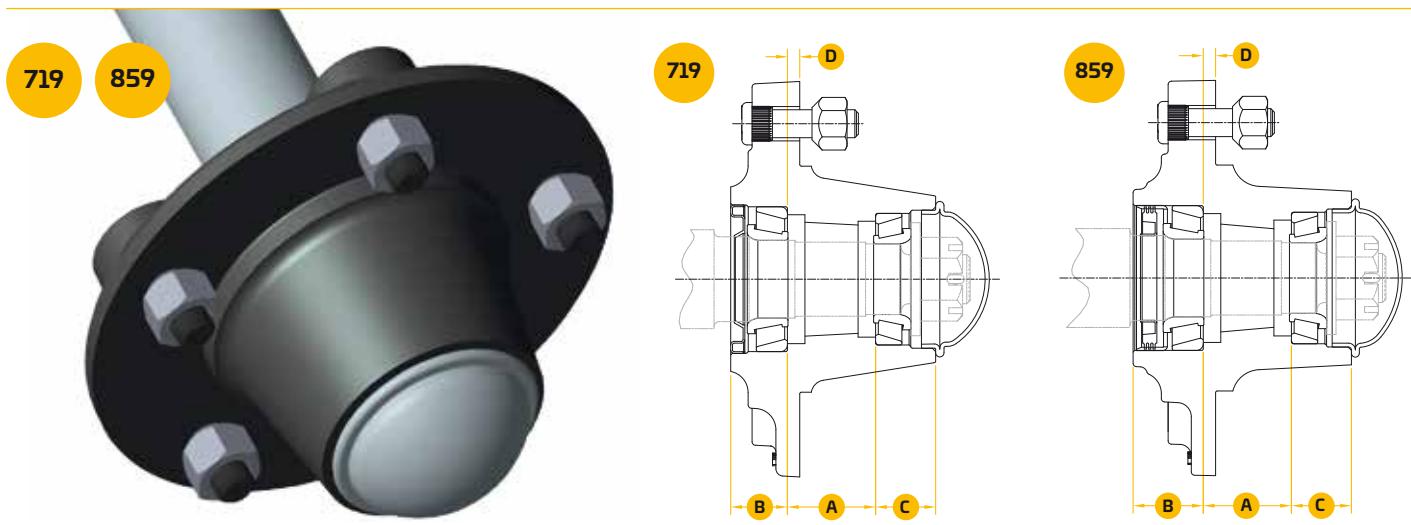
736, 719 and 859 hub capacity based on .25" negative offset

056 hub capacity based on 0 offset

*Wear sleeve installed for triple lip seal

For alternate 5 bolt Straddle, Coulter and Recreational vehicle hubs please refer to page 56-66.

5 bolt / 5.50" bolt circle / 4" pilot



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA.(IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	736	CDS	1-5/8	LS5101	LS7101	P301802	P251703	P401905	10-3/8	3/4 -16	1-1/2
STRAIGHT	056	CDS	1-3/4	LS5303	LS7303	P301807	P251703	P401901	8-1/2	3/4 -16	1.719
STRAIGHT	719	CDS	1-3/4	LS8130	LS9130	P301804	P251721	P401901	11-1/2	7/8-14	1-1/2
STRAIGHT	859	CDS	1-3/4	LS8130	LS9130	P301804	P251721	P401901	11-1/2	7/8-14	1-1/2



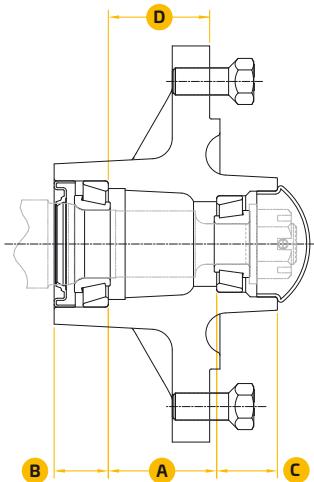
Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

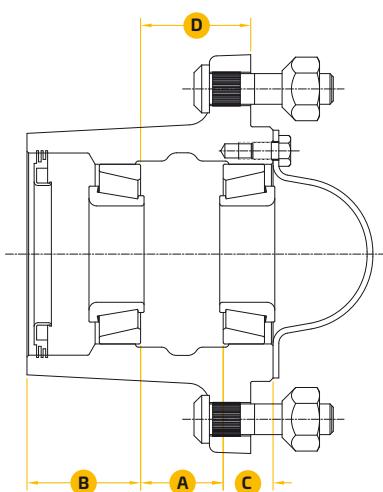
Hubs & Spindles

6 bolt / 6" bolt circle / 4.62" pilot

826



874



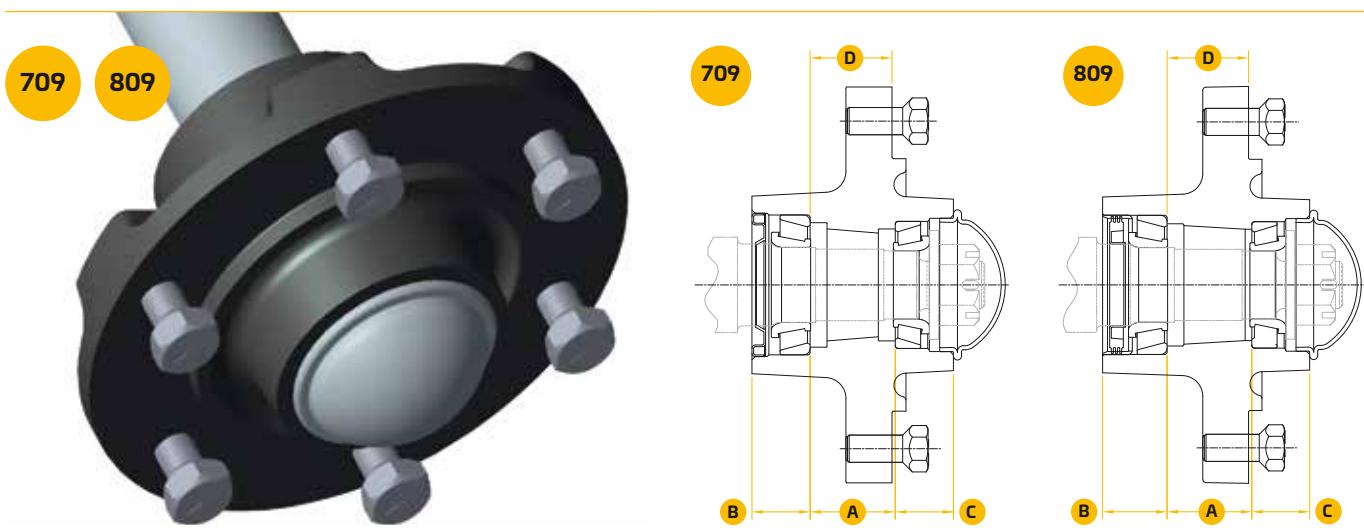
Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	WEAR SLEEVE	A (IN)	B (IN)	C (IN)	D (IN)
826	1650	L826200	L826300	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502003	P101301	-	-	P602165	-	2.00	1.00	1.12	1.88
874	3050	L874200	L874300	25520 P702201	25520 P702201	25580 P752405	1.75	25580 P752405	1.75	P502083	-	P151432	P201604	CR25078 P602132	-	150	2.06	0.81	2.00
709	2760	L709200	L709300	LM48510 P702207	LM67010 P702203	LM48548 P752310	1.38	LM67048 P752311	1.25	P502026	P101301	-	-	CR15190 P602102	-	156	100	1.06	1.59
809	2760	L809200	L809300	LM48510 P702207	LM67010 P702203	LM48548 P752310	1.38	LM67048 P752311	1.25	P502026	P101301	-	-	CR15174 P602118	P912901	156	119	1.06	1.59

Hub capacity based on 1.12" positive offset

For alternate 6 bolt Straddle, Coulter and Recreational vehicle hubs please refer to page 56-66.

6 bolt / 6" bolt circle / 4.62" pilot



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	826	CDS	1-5/8	LS8124	LS9124	P301802	P251703	P401905	10	3/4 -16	1-1/2
STRAIGHT 874 NO STANDARD SPINDLE AVAILABLE. CONTACT GKN CUSTOMER SERVICE.											
STRAIGHT	709	CDS	1-3/4	LS8130	LS9130	P301804	P251721	P401901	11-1/2	7/8 -14	1-1/2
STRAIGHT	809	CDS	1-3/4	LS8130	LS9130	P301804	P251721	P401901	11-1/2	7/8 -14	1-1/2

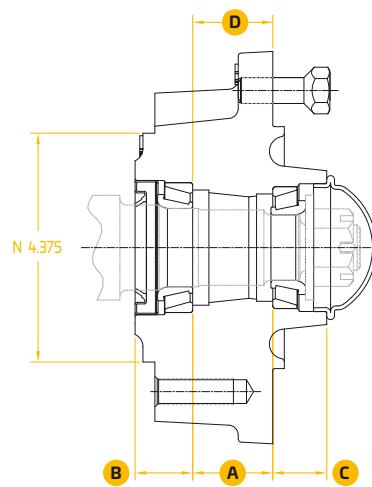
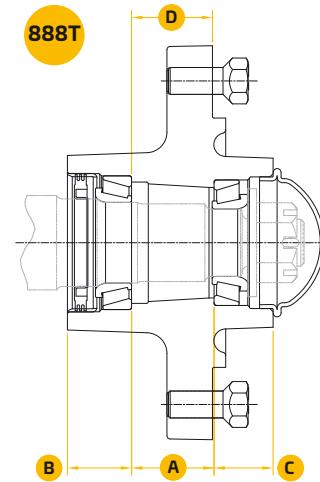
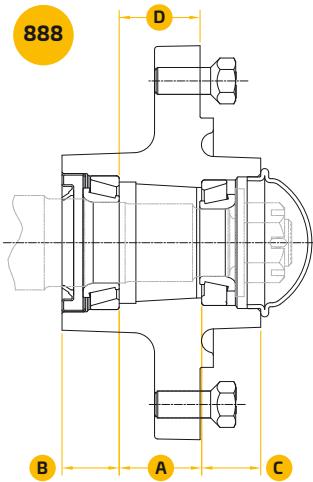


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

6 bolt / 6" bolt circle / 4.62" pilot



Hub - Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	SEAL	WEAR SLEEVE	A (IN)	B (IN)	C (IN)	D (IN)
888	3560	L888200	L888300	JL69310 P702206	LM67010 P702203	JL69349 P752301	1.50	LM67048 P752311	1.25	P502026	P101301	CR16289 P602103	-	1.53	1.09	1.00	1.53
888T	3560	L888202	L888302	JL69310 P702206	LM67010 P702203	JL69349 P752301	1.50	LM67048 P752311	1.25	P502026	P101301	CR16286 P602107	P912901	1.53	1.09	1.00	1.53
889	3560	L889201	L889301	JL69310 P702206	LM67010 P702203	JL69349 P752301	1.50	LM67048 P752311	1.25	P502026	P101325	CR16289 P602103	-	1.53	1.09	1.00	1.53
810	3560	L810201	L810301	LM29710 P702315	LM67010 P702203	LM29749 P752313	1.50	LM67048 P752311	1.25	P502026	P101308	CR16289 P602103	-	1.56	1.00	1.06	1.50
810T	3560	L810202	L810302	LM29710 P702315	LM67010 P702203	LM29749 P752313	1.50	LM67048 P752311	1.25	P502026	P101308	CR16286 P602107	P912901	1.56	1.00	1.06	1.50
798	3560	L798200	L798300	LM29710 P702315	LM67010 P702203	LM29749 P752313	1.50	LM67048 P752311	1.25	P502026	P101308	CR16289 P602103	-	1.56	1.00	1.06	1.59

Hub capacity based on 1.12" positive offset

T = Additional version that utilizes a triple lip seal

6 bolt / 6" bolt circle / 4.62" pilot

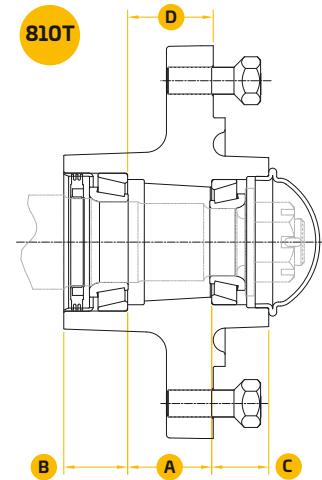
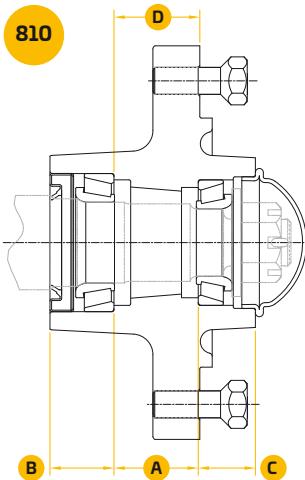
810

810T

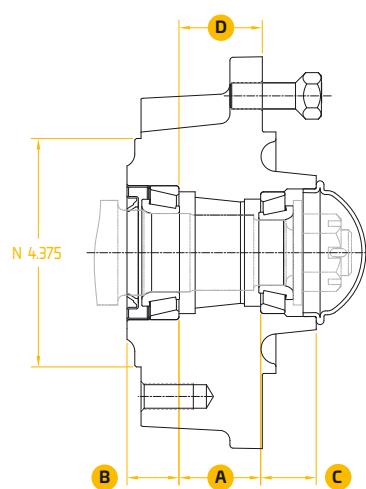


810

810T



798



Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA.(IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	888	CDS	1-3/4	LS8131	LS9131	P301804	P251721	P401901	12-1/2	7/8-14	1-5/8
STRAIGHT	888T	CDS	1-3/4	LS8131	LS9131	P301804	P251721	P401901	12-1/2	7/8-14	1-5/8
STRAIGHT	889	CDS	2	LS8133	LS9133	P301804	P251721	P401901	14	7/8-14	1-5/8
STRAIGHT	810	CDS	1-3/4	LS8072	LS9072	P301804	P251721	P401901	12-1/2	7/8-14	1-5/8
STRAIGHT	810T	CDS	1-3/4	LS8072	LS9072	P301804	P251721	P401901	12-1/2	7/8-14	1-5/8
STRAIGHT	798	CDS	2	LS5309	LS7309	P301804	P251721	P401901	12-3/16	7/8-14	1-5/8



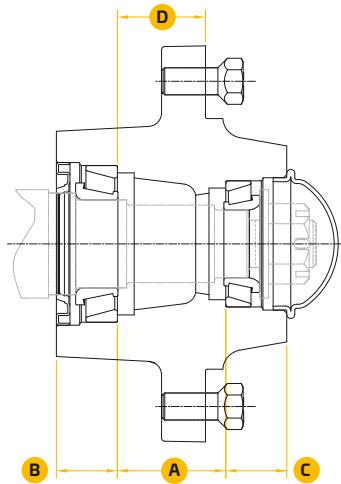
Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

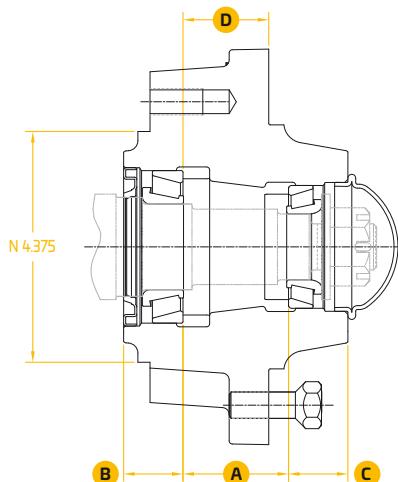
Hubs & Spindles

6 bolt / 6" bolt circle / 4.62" pilot

783



797



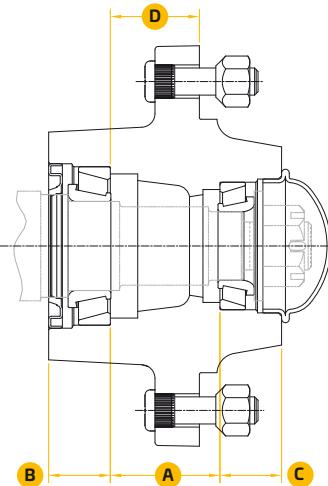
Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
783	4570	L783200	L783300	LM501310 P702204	LM67010 P702203	LM501349 P752306	1.62	LM67048 P752311	1.25	P502026	P101301	-	-	CR18823 P602109	2.00	113	113	1.62
797	4570	L797200	L797300	LM501310 P702204	LM67010 P702203	LM501349 P752306	1.62	LM67048 P752311	1.25	P502026	P101301	-	-	CR18823 P602109	2.00	113	113	1.62
890	4570	L890200	L890300	LM501310 P702204	LM67010 P702203	LM501349 P752306	1.62	LM67048 P752311	1.25	P502026	-	P151401	P201602	CR18823 P602109	2.00	113	113	1.62
887	4570	L887200	L887300	LM501310 P702204	LM67010 P702203	LM501349 P752306	1.62	LM67048 P752311	1.25	P502026	-	P151401	P201602	CR18823 P602109	2.00	113	113	1.62

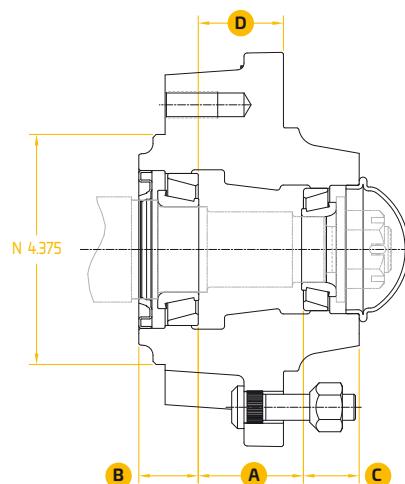
Hub capacity based on 1.12 positive offset

6 bolt / 6" bolt circle / 4.62" pilot

890



887



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	783	CDS	2	LS5135	LS7135	P301804	P251721	P401901	12.94	7/8-14	1-7/8
STRAIGHT	797	CDS	2	LS5135	LS7135	P301804	P251721	P401901	12.94	7/8-14	1-7/8
STRAIGHT	890	CDS	2	LS5135	LS7135	P301804	P251721	P401901	12.94	7/8-14	1-7/8
STRAIGHT	887	CDS	2	LS5135	LS7135	P301804	P251721	P401901	12.94	7/8-14	1-7/8

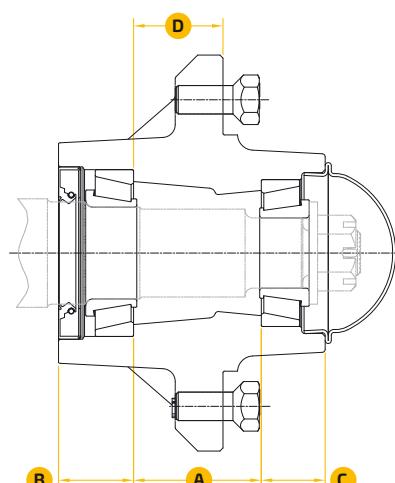
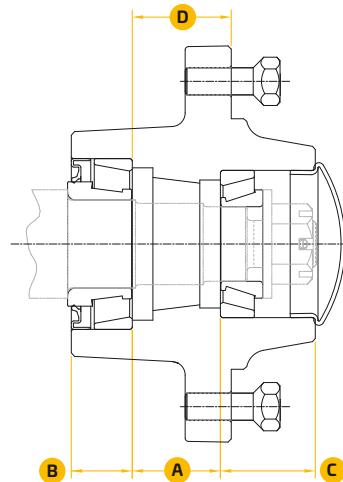


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

6 bolt / 6" bolt circle / 4.62" pilot



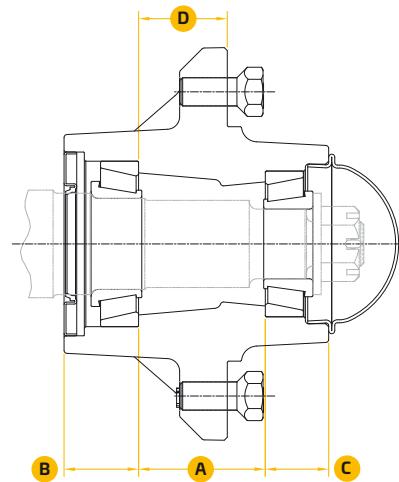
Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
670	3230	L670200	L670300	14276 P702260	332 P702272	14137A P752361	1.62	342A P752377	1.38	P502048	P101308	-	-	CR22870 P602233	1.62	113	175	181
875	4910	L875200	L875300	25520 P702201	25821 P702205	25590 P752303	1.80	25877 P752308	1.38	P502001	P101303	-	-	CR20125 P602110	2.50	147	125	175
803	4910	L803200	L803300	25520 P702201	25821 P702205	25590 P752303	1.80	25877 P752308	1.38	P502001	P101303	-	-	CR20148 P602104	2.50	147	125	175
206	2000	L206200	L206300	LM67010 P702335	LM11910 P702246	LM67048 P752442	1.25	LM11949 P752345	0.75	P502051	-	P151449	P201602	CR16069 P602105	2.00	100	0.94	188

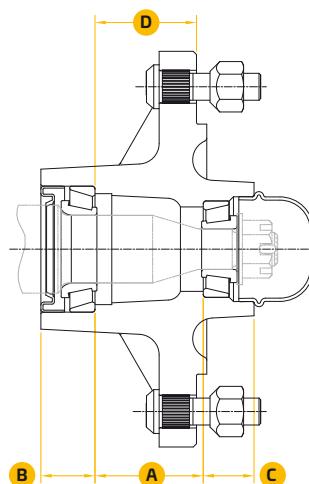
Hub capacity based on 1.12" positive offset

6 bolt / 6" bolt circle / 4.62" pilot

803



206



Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	670	CDS	2	LS8111	LS9111	P301804	P251721	P401901	11-1/8	7/8-14	SEATS ON CONE
STRAIGHT	875	CDS	2-1/8	LS5105	LS7105	P301804	P251721	P401901	15-7/16	7/8-14	2
STRAIGHT	803	CDS	2-1/8	LS5105	LS7105	P301804	P251721	P401901	15-7/16	7/8-14	2
STRAIGHT	206	CDS	1-5/8	LS5114	LS7114	P301801	P251701	P401905	10	5/8 -18	1-5/8



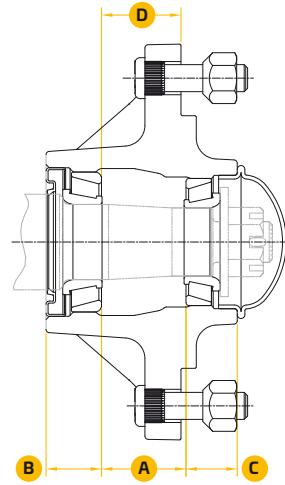
Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

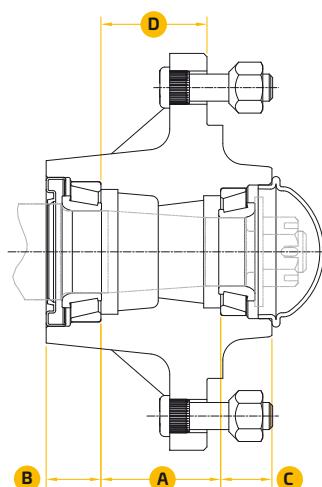
Hubs & Spindles

6 bolt / 6" bolt circle / 4.62" pilot

256



306



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
256	2500	L256200	L256300	LM48510 P702207	LM67010 P702203	LM48548 P752310	138	LM67048 P752311	125	P502026	-	P151421	P201602	CR17617 P602106	1.55	1.02	0.94	1.46
306	3000	L306200	L306300	LM29710 P702315	LM67010 P702203	LM29749 P752313	150	LM67048 P752311	1.25	P502026	-	P151401	P201602	CR17617 P602106	2.19	1.01	0.94	1.94
356	3500	L356200	L356300	LM501310 P702204	LM67010 P702203	LM501349 P752306	1.62	LM67048 P752311	1.25	P502026	P101303	-	-	CR20044 P602114	2.84	1.44	0.94	1.59
356B	3500	L356215	L356315	LM501310 P702204	LM67010 P702203	LM501349 P752306	1.62	LM67048 P752311	1.25	P502026	P101303	-	-	CR20044 P602114	2.84	1.44	0.94	1.59

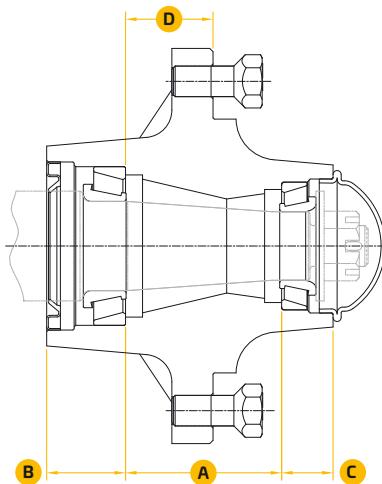
Hub capacity based on 1.12" positive offset

B = Additional version that has brake mounting pattern

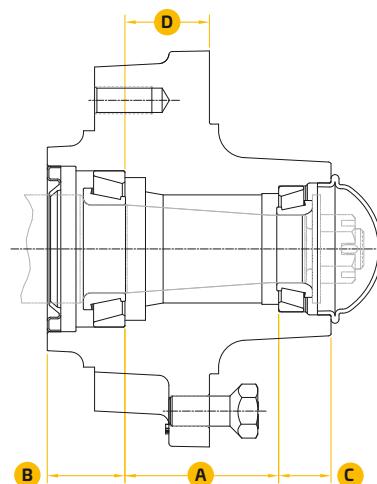
For alternate 6 bolt Straddle, Coulter and Recreational vehicle hubs please refer to page 56-66.

6 bolt / 6" bolt circle / 4.62" pilot

356



356B



Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	256	CDS	1-3/4	LS5111	LS7111	P301803	P251703	P401905	12-5/16	3/4 -16	1-3/4
STRAIGHT	306	CDS	1-3/4	LS5112	LS7112	P301803	P251703	P401905	12	3/4 -16	1-3/4
STRAIGHT	356	CDS	2	LS5113	LS7113	P301803	P251703	P401901	12	3/4 -16	2
STRAIGHT	356B	CDS	2	LS5113	LS7113	P301803	P251703	P401901	12	3/4 -16	2



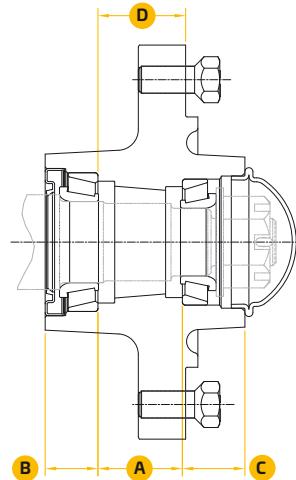
Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

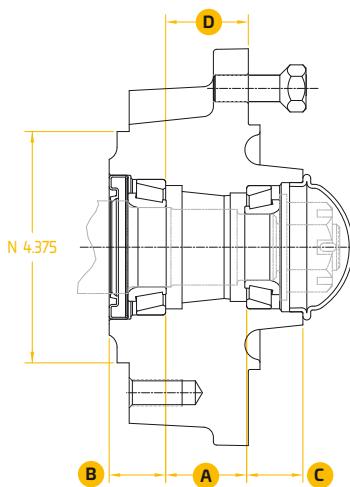
Hubs & Spindles

6 bolt / 6" bolt circle / 4.62" pilot

611



611B



Hub – Technical Information

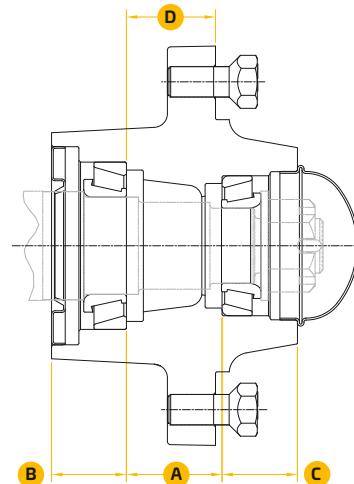
MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
611	3600	L611200	L611300	LM29710 P702315	LM67010 P702203	LM29749 P752313	1.50	LM67048 P752311	1.25	P502026	P101301	CR17617 P602106	1.56	0.98	1.16	1.62
611B	3600	L611214	L611314	LM29710 P702315	LM67010 P702203	LM29749 P752313	1.50	LM67048 P752311	1.25	P502026	P101308	CR17617 P602106	1.53	1.03	1.06	1.62
614	5000	L614200	L614300	LM603011 P702309	LM48510 P702308	LM603049 P752419	1.78	LM48548 P752353	1.38	P502004	P101303	NOK42AF7335-E0 P602236	1.75	1.38	1.38	1.63

Hub capacity based on 1.12" positive offset

B = Additional version that has brake mounting pattern

For alternate 6 bolt Straddle, Coulter and Recreational vehicle hubs please refer to page 56-66.

6 bolt / 6" bolt circle / 4.62" pilot



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	611	CDS	1-3/4	LS5142	LS7142	P301805	P251706	P401901	14	1-14	1-3/4
STRAIGHT	611B	CDS	1-3/4	LS5142	LS7142	P301805	P251706	P401901	14	1-14	1-3/4
STRAIGHT	614	CDS	2	LS5119	LS7119	P301805	P251706	P401901	18	1-14	1.947

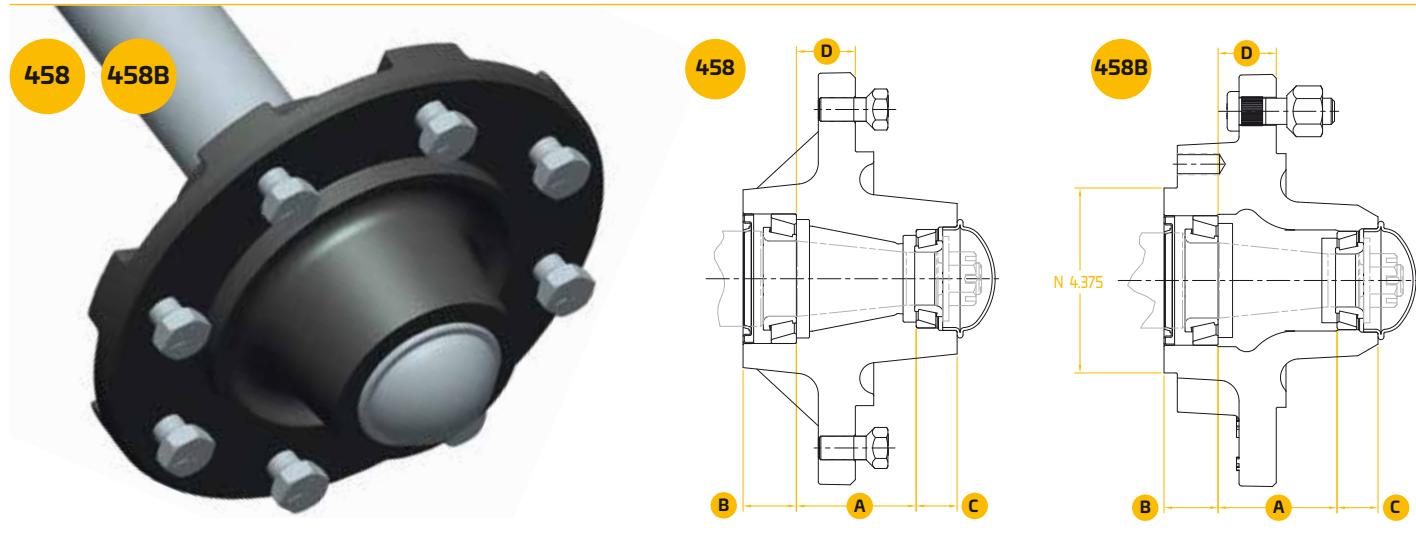


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

8 bolt / 8" bolt circle / 6" pilot



Hub - Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
458	4500	L458200	L458300	LM603011 P702208	LM67010 P702203	LM603049 P752307	1.78	LM67048 P752311	1.25	P502026	P101303	-	-	CR22392 P602115	2.83	1.26	0.97	1.38
458B	4500	L458202	L458302	LM603011 P702208	LM67010 P702203	LM603049 P752307	1.78	LM67048 P752311	1.25	P502026	-	P151402	P201601	CR22392 P602115	2.83	1.26	0.97	1.38
508	5000	L508200	L508300	JLM104910 P702318	LM501310 P702204	JLM104948 P752445	1.97	LM501349 P752306	1.63	P502008	-	P151436	P201601	CR24904 P602195	2.71	1.21	1.37	1.42
508B	5000	L508203	L508303	JLM104910 P702318	LM501310 P702204	JLM104948 P752445	1.97	LM501349 P752306	1.63	P502008	-	P151436	P201601	CR24904 P602195	2.71	1.21	1.37	1.42

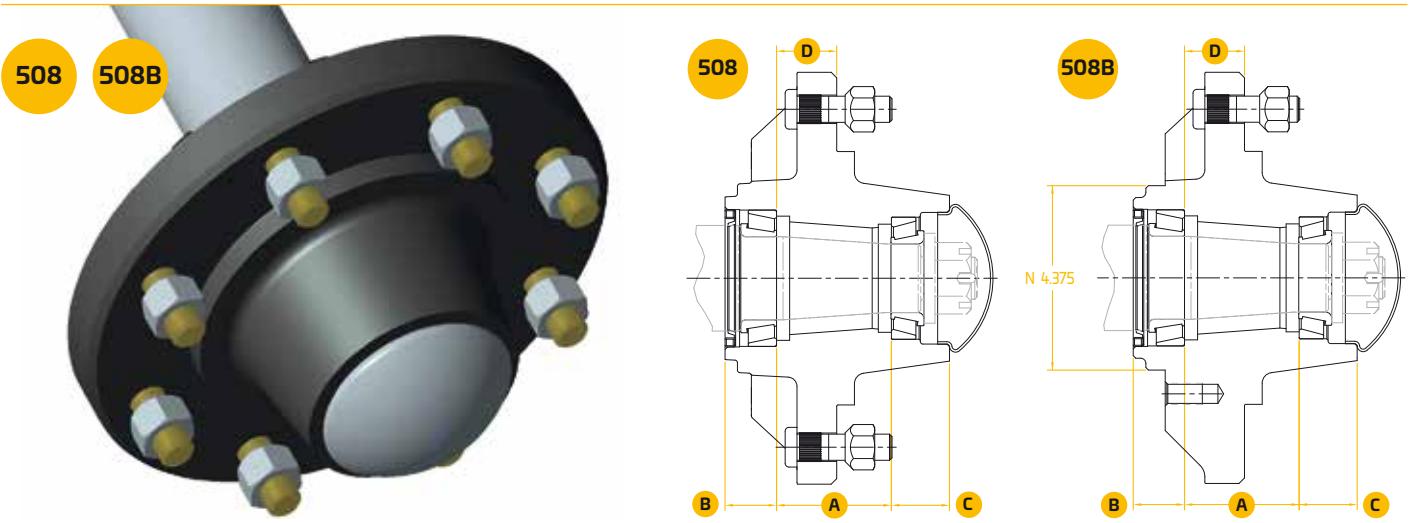
458 and 458B hub capacity based on 1.12" positive offset

508 and 508B hub capacity based on .38" positive offset

B = Additional version that has brake mounting pattern

For alternate 8 bolt Straddle please refer to page 54-57.

8 bolt / 8" bolt circle / 6" pilot



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	458	CDS	2-1/4	LS5115	LS7115	P301803	P251703	P401905	14	3/4-16	2-1/4
STRAIGHT	458B	CDS	2-1/4	LS5115	LS7115	P301803	P251703	P401905	14	3/4-16	2-1/4
STRAIGHT	508	CDS	2-1/2	LS8001	LS9001	P301830	P251706	P401910	12-1/2	1-14	2-1/2
STRAIGHT	508B	CDS	2-1/2	LS8001	LS9001	P301830	P251706	P401910	12-1/2	1-14	2-1/2

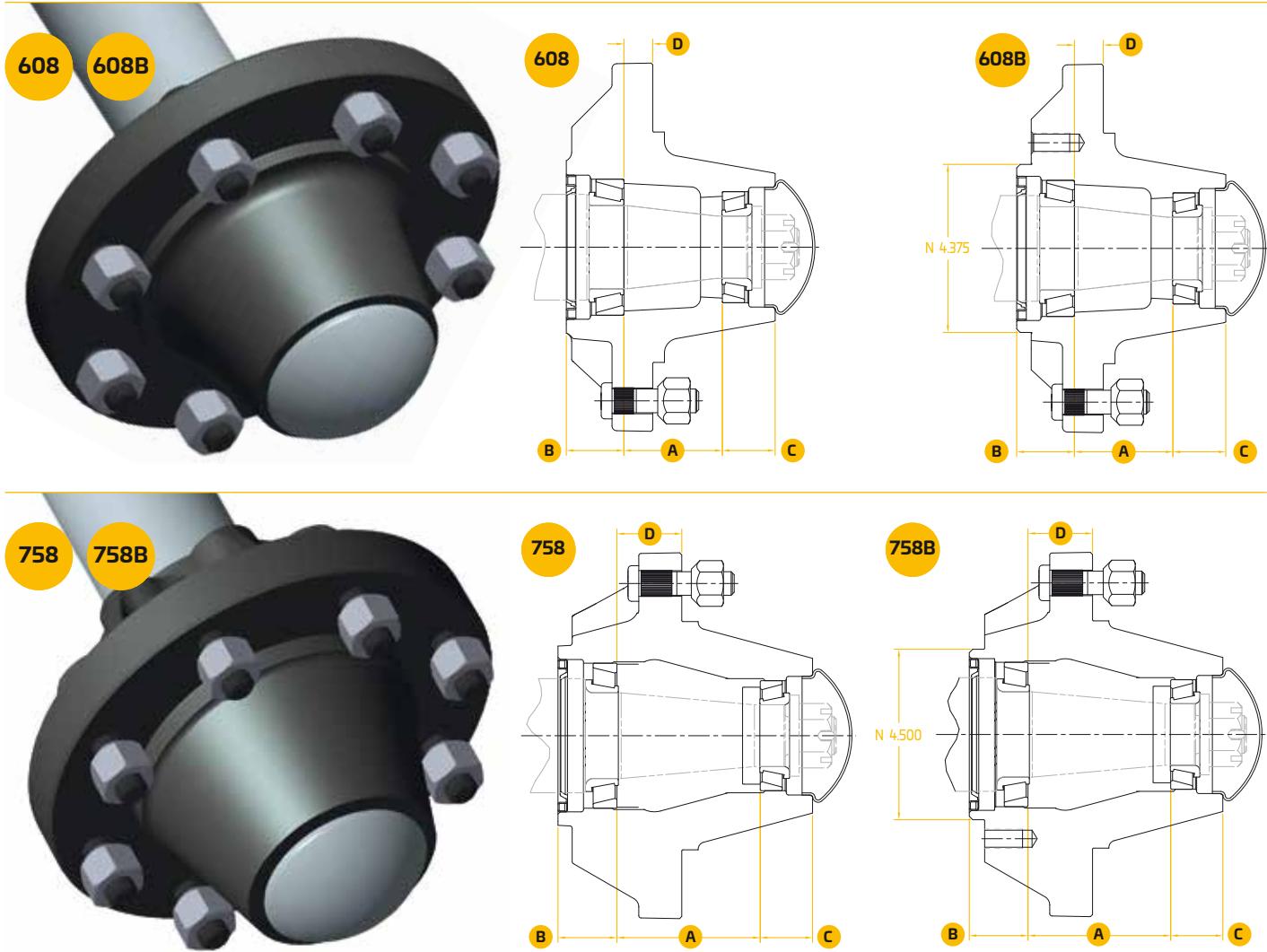


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

8 bolt / 8" bolt circle / 6" pilot



Hub – Technical Information

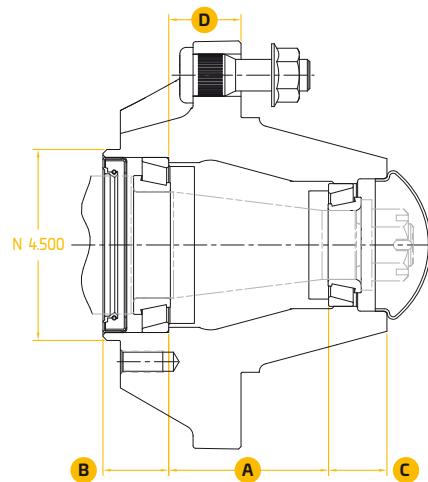
MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
608	6000	L608200	L608300	JLM506810 P702213	LM501310 P702204	JLM506849 P752312	2.16	LM501349 P752306	1.63	P502008	P151402	P201607	CR27394 P602116	2.56	150	137	0.75
608B	6000	L608201	L608301	JLM506810 P702213	LM501310 P702204	JLM506849 P752312	2.16	LM501349 P752306	1.63	P502008	P151402	P201607	CR27394 P602116	2.56	150	137	0.75
758	8000	L758200	L758300	382A P702217	LM501310 P702204	387AS P752320	2.25	LM501349 P752306	1.63	P502008	P151407	P201607	CR29968 P602122	3.77	155	138	1.70
758B	8000	L758201	L758301	382A P702217	LM501310 P702204	387AS P752320	2.25	LM501349 P752306	1.63	P502008	P151407	P201607	CR29968 P602122	3.77	155	138	1.70
758HD	10000	L758208	L758308	39412 P702252	LM501310 P702248	39250 P752354	2.50	LM501349 P752338	1.63	P502008	P151409	P201630	TC324156SA P602140	3.77	155	138	1.70

Hub capacity based on .38" positive offset

B = Additional version that has brake mounting pattern
For alternate 8 bolt Straddle please refer to page 54-57.

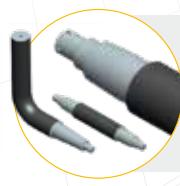
8 bolt / 8" bolt circle / 6" pilot

**758
HD**



Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	608	CDS	2-3/4	LS5116	LS7116	P301806	P251706	P401902	14	1-14	2-3/4
STRAIGHT	608B	CDS	2-3/4	LS5116	LS7116	P301806	P251706	P401902	14	1-14	2-3/4
STRAIGHT	758	CDS	3	LS5199	LS7199	P301806	P251706	P401902	16	1-14	3
STRAIGHT	758B	CDS	3	LS5199	LS7199	P301806	P251706	P401902	16	1-14	3
STRAIGHT	758HD	CDS	3-1/4	LS5392	LS7392	P301806	P251706	P401902	16	1-14	3-1/4

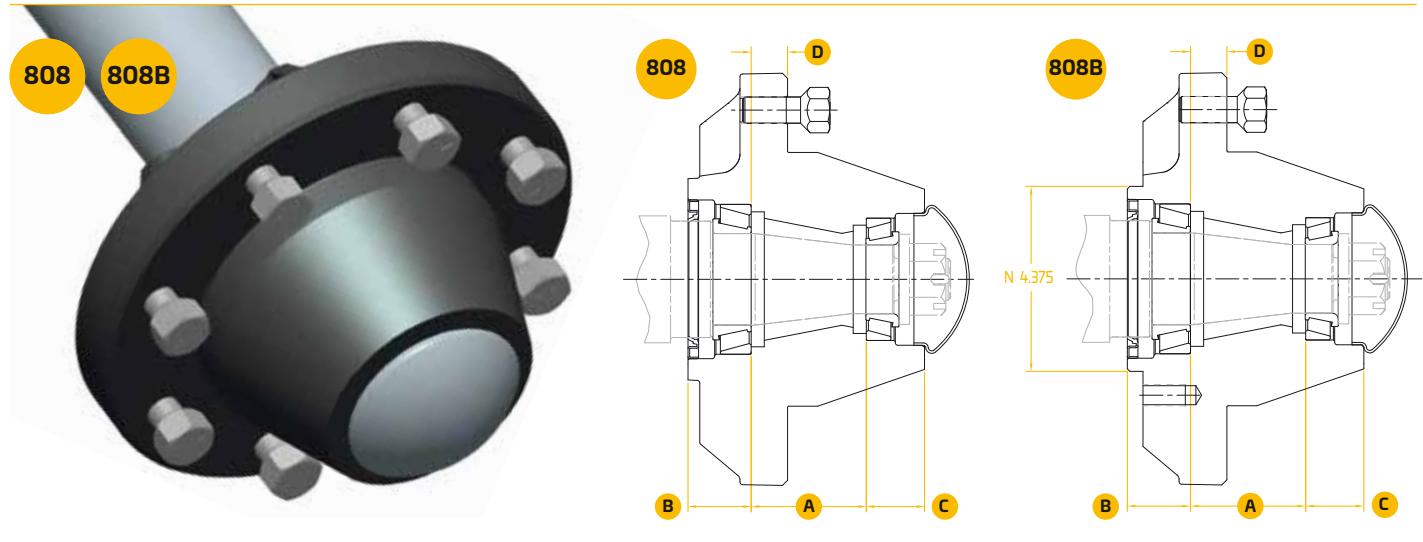


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

8 bolt / 8" bolt circle / 6" pilot



Hub - Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
808	8000	L808200	L808300	JLM506810 P702213	LM501310 P702204	JLM506849 P752312	2.16	LM501349 P752306	1.63	P502008	P101304	-	-	CR27394 P602116	2.72	150	138	0.86
808B	8000	L808203	L808303	JLM506810 P702213	LM501310 P702204	JLM506849 P752312	2.16	LM501349 P752306	1.63	P502008	P101304	-	-	CR27394 P602116	2.72	150	138	0.86
778	4910	L778200	L778300	22520 P702201	25821 P702205	25590 P752303	1.79	25877 P752308	1.38	P502001	P101303	-	-	CR20148 P602104	2.50	194	125	0.88
813	4910	L813200	L813300	22520 P702201	25821 P702205	25590 P752303	1.79	25877 P752308	1.38	P502001	-	P151403	P201604	CR20148 P602104	2.50	194	125	0.88

808 and 808B hub capacity based on .38" negative offset

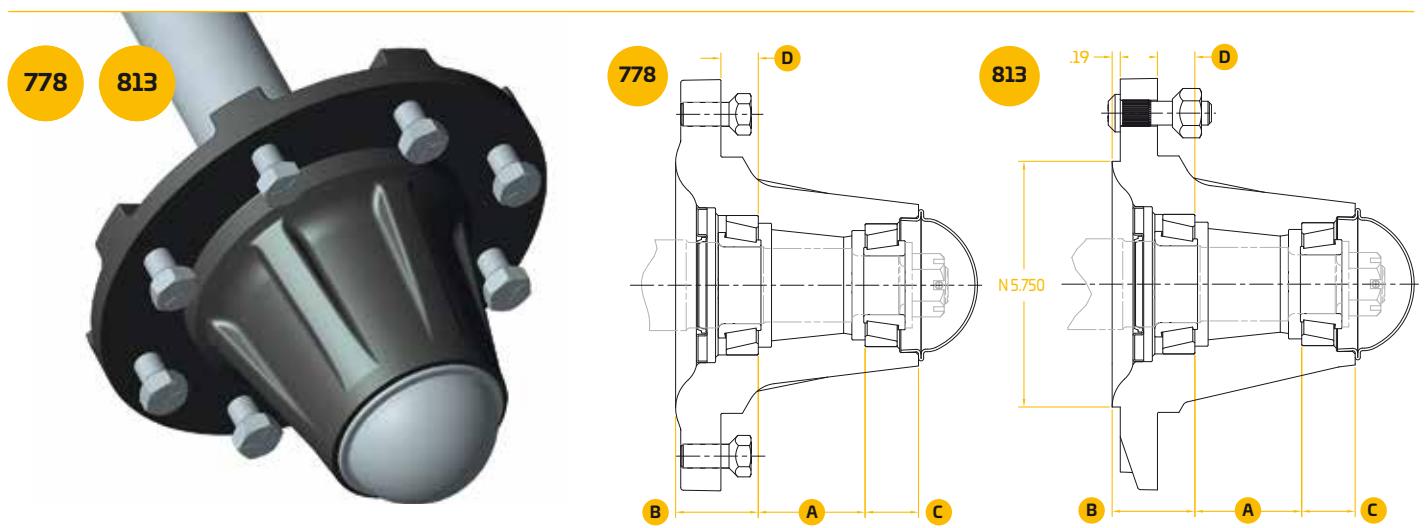
778 and 813 hub capacity on based on 1.5" negative offset

B = Additional version that has brake mounting pattern

= These hubs are machined for brake drum to mount to the hub using the stud bolts

For alternate 8 bolt Straddle please refer to page 54-57.

8 bolt / 8" bolt circle / 6" pilot



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	808	CDS	3	LS5366	LS7366	P301806	P251706	P401902	16	1-14	2-3/4
STRAIGHT	808B	CDS	3	LS5366	LS7366	P301806	P251706	P401902	16	1-14	2-3/4
STRAIGHT	778	CDS	2-1/8	LS5105	LS7105	P301804	P251721	P401901	15-7/16	7/8-14	2
STRAIGHT	813#	CDS	2-1/8	LS5105	LS7105	P301804	P251721	P401901	15-7/16	7/8-14	2

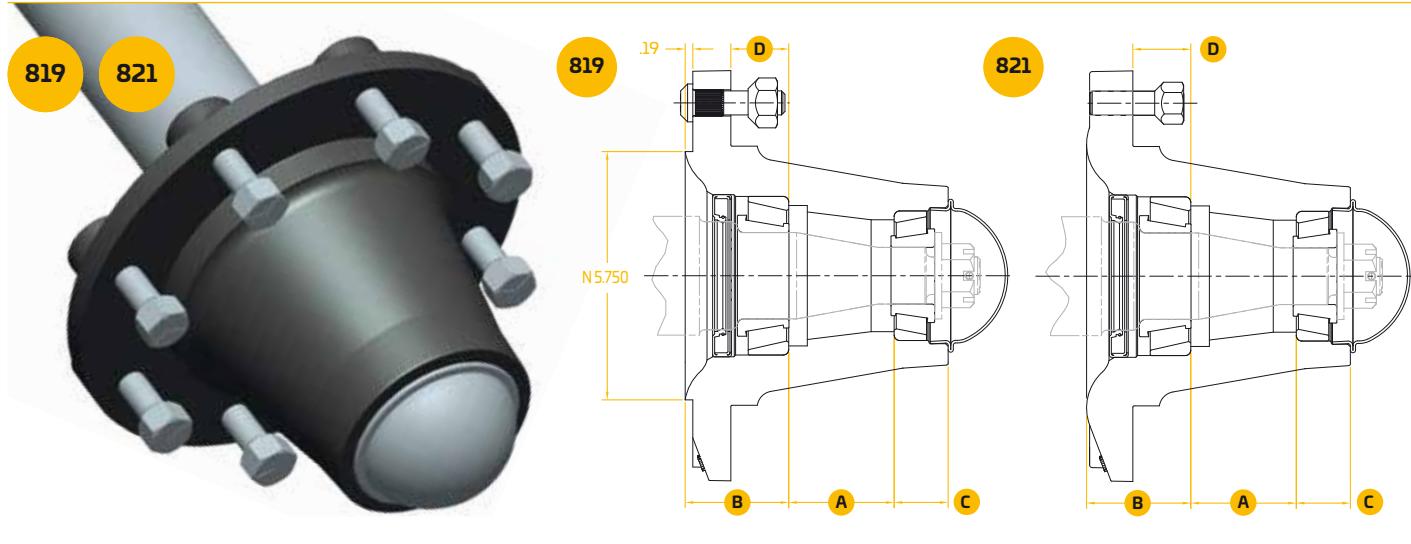


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

8 bolt / 8" bolt circle / 6" pilot



Hub - Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
819	5790	L819200	L819300	3720 P702202	2720 P702209	3780 P752309	2.00	2790 P752304	1.31	P502001	-	P151403	P201604	CR25091 P602108	2.44	2.41	1.25	1.34
821	5790	L821200	L821300	3720 P702202	2720 P702209	3780 P752309	2.00	2790 P752304	1.31	P502001	P101305	-	-	CR25091 P602108	2.44	2.41	1.25	1.34
886	8000	L886200	L886300	382A P702253	2720 P702236	387AS P752356	2.25	2793 P752373	1.37	P502001	-	P151402	P201601	TC30404SA P602201	3.00	1.94	1.25	0.81
886B	8000	L886202	L886302	382A P702253	2720 P702236	387AS P752356	2.25	2793 P752373	1.37	P502001	-	P151402	P201601	TC30404SA P602201	3.00	1.94	1.25	0.81

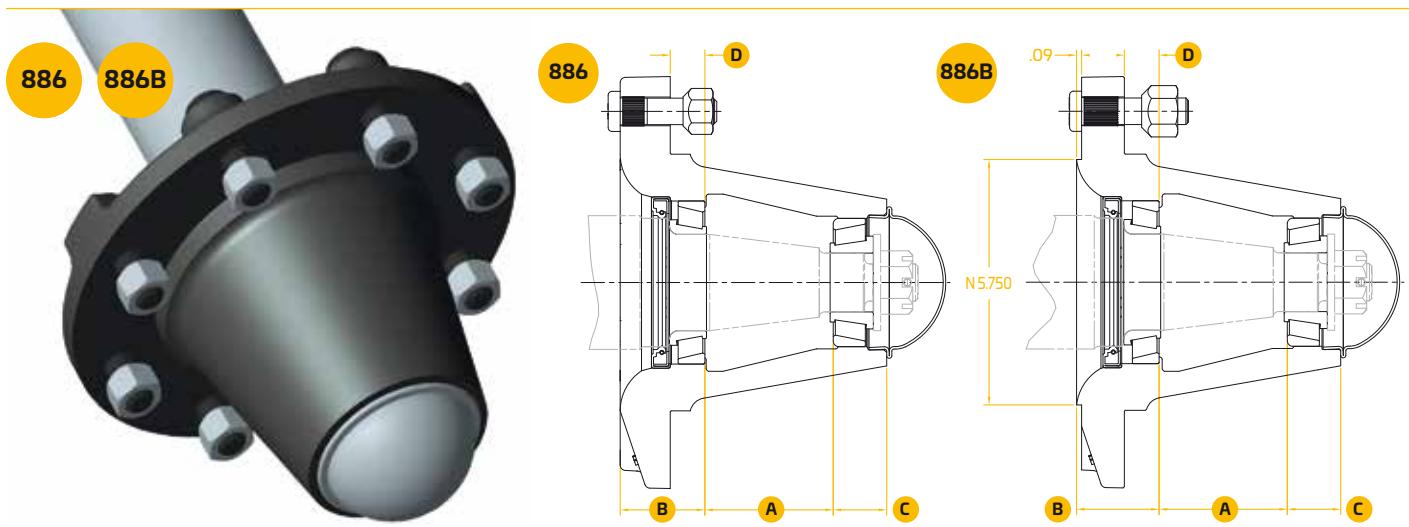
Hub capacity based on 1.5" negative offset

B = Additional version that has brake mounting pattern

= These hubs are machined for a brake drum to mount to the hub using the stud bolts

For alternate 8 bolt Straddle please refer to page 54-57.

8 bolt / 8" bolt circle / 6" pilot



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	819	CDS	2-3/4	LS5108	LS7108	P301804	P251721	P401901	14-5/16	7/8-14	2-1/2
STRAIGHT	821	CDS	2-3/4	LS5108	LS7108	P301804	P251721	P401901	14-5/16	7/8-14	2-1/2
STRAIGHT	886	CDS	3-1/8	LS8051	LS9051	P301849	P251721	P401901	16	7/8-14	3
STRAIGHT	886B	CDS	3-1/8	LS8051	LS9051	P301849	P251721	P401901	16	7/8-14	3

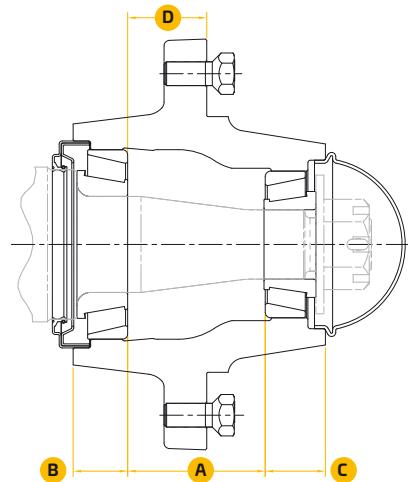


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

8 bolt / 8" bolt circle / 6" pilot



Hub - Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
848	8000	L848200	L848300	39520 P702296	3525 P702275	39581 P752383	2.25	3585 P752379	1.63	P502050	P101303	CR35062 P602183	3.22	1.28	141	1.85

Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	848	CDS	3-5/8	LS8073	LS9073	P301832	P251702	P401913	15.59	1-1/4-12	3-1/2

Hub capacity based on 1.5" positive offset

For alternate 8 bolt Straddle please refer to page 54-57.

8 bolt / 10.827" [275mm] bolt circle / 8.69" pilot



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
801*	10000	L801200	L801300	3920 P702279	3920 P702279	3984 P752388	2.63	3979 P752387	2.25	P502016	P151409	P201636	CR32501 P602260	4.25	1.66	1.62	1.60

Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	801	CDS	3-1/4	LS8057	LS9057	P301856	P251720	P401914	18	1-1/2-12	3-1/4

Hub capacity based on 0 offset

*This hub has a 6 on 8.25" bolt pattern for brake machined (1/2-20 UNF)

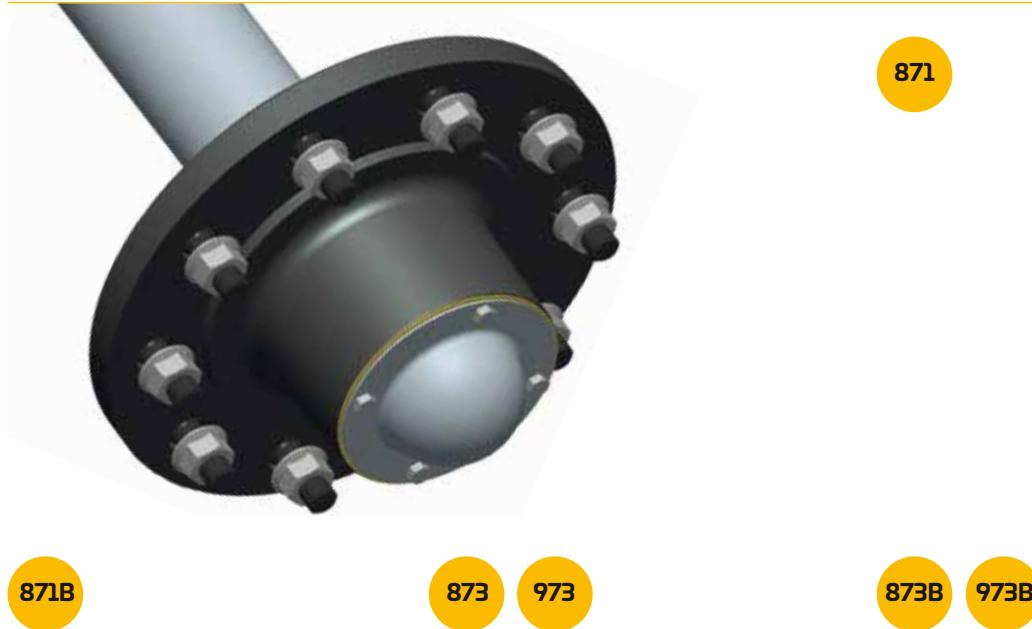


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

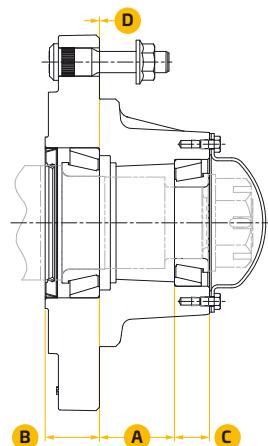
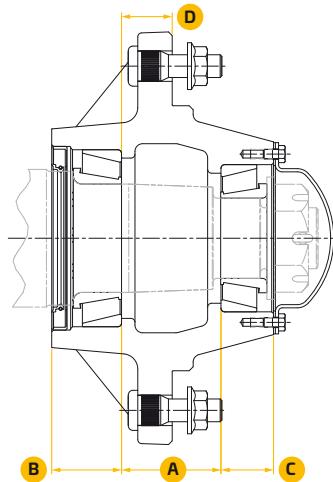
10 bolt / 11.25" bolt circle / 8.66" [220mm] pilot



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
871	REFERENCE ONLY, NEW DESIGN PROF-HUB 286 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
871B	REFERENCE ONLY, NEW DESIGN PROF-HUB 286 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
873	REFERENCE ONLY, NEW DESIGN PROF-HUB 286 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
873B	REFERENCE ONLY, NEW DESIGN PROF-HUB 286 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
973	REFERENCE ONLY, NEW DESIGN PROF-HUB 286 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
973B	REFERENCE ONLY, NEW DESIGN PROF-HUB 286 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
881(A)	20000	L881210	L881310	HM218210 P702330	HM212011 P702290	HM218248 P752406	3.54	HM212049 P752428	2.62	P502041	P151409	P201612	CR43771 P602126	3.25	2.28	1.72	1.66
900*	22500	L900200	L900300	47620 P702282	39520 P702296	47687 P752392	3.25	39585 P752384	2.50	P502041	P151443	P201612	CR38730 P602213	2.63	1.9	1.22	0.00

10 bolt / 11.25" bolt circle / 8.66" [220mm] pilot



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	871	CDS	3-1/8	LS5195	LS7195	P301808	P251702	P401904	17-3/8	1-1/4-12	3
STRAIGHT	871B	CDS	3-1/8	LS5195	LS7195	P301808	P251702	P401904	17-3/8	1-1/4-12	3
STRAIGHT	873	CDS	3-1/2	LS5296	LS7296	P301808	P251702	P401929	17-3/8	1-1/4-12	3-3/8
STRAIGHT	873B	CDS	3-1/2	LS5296	LS7296	P301808	P251702	P401929	17-3/8	1-1/4-12	3-3/8
STRAIGHT	973	NO STANDARD SPINDLE AVAILABLE. CONTACT GKN CUSTOMER SERVICE.									
STRAIGHT	973B	NO STANDARD SPINDLE AVAILABLE. CONTACT GKN CUSTOMER SERVICE.									
STRAIGHT	881(A)	CDS	4-1/2	LS5301	LS7301	P301827	P251727	P401928	26-1/2	2-12	4-3/8
STRAIGHT	900*	CDS	4	LS8080	LS9080	P301838	P251711	P401906	28	1-3/4-12	4

881(A) and 900 hub based on 1.5" positive offset

All other hub capacities based on 0 offset

973 and 900 hubs are made from ductile iron

*900 hub is currently produced without brake pattern. this hub is also available with a 6 on 8.25" dia brake pattern (1/2-20 UNF)

B = Bolt pattern on brake version hub is 6 on 8.25" dia (1/2-20 UNF)

Hubs & Spindles

10 bolt / 13.188" bolt circle / 11.05" pilot

881

981



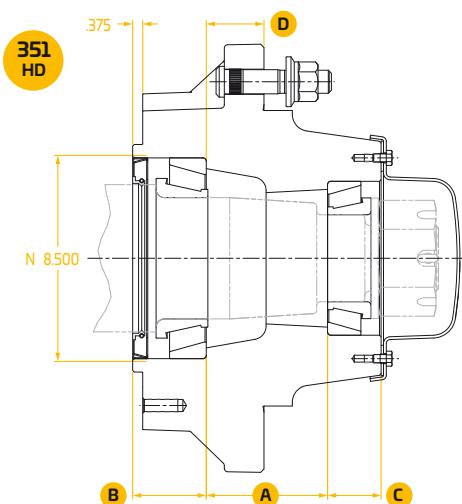
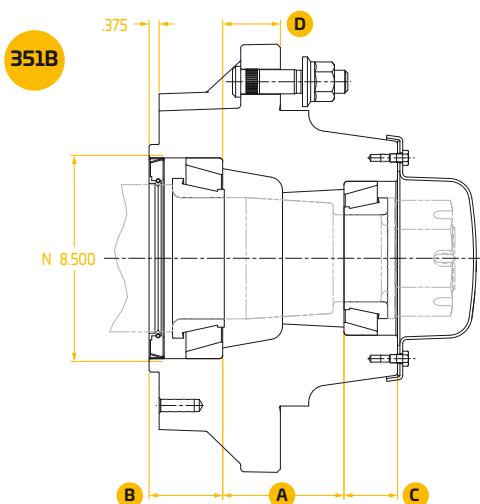
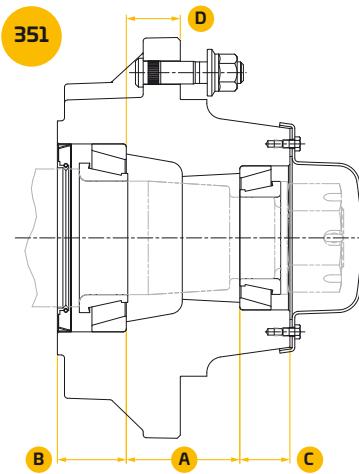
891

991



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
881	REFERENCE ONLY, NEW DESIGN PROF-HUB 335 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
981	REFERENCE ONLY, NEW DESIGN PROF-HUB 335 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
891*	REFERENCE ONLY, NEW DESIGN PROF-HUB 335 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
991*	REFERENCE ONLY, NEW DESIGN PROF-HUB 335 SERIES REPLACES PREVIOUS MODELS SEE 12-14 FOR DETAILS																
351	35000	L351203	L351303	71750 P702347	653 P702344	71455 P752454	4.53	663 P752451	3.25	P502103	P151488	P201655	PO5507556SA P602299	4.53	2.75	2.00	2.16
351B	35000	L351202	L351302	71750 P702347	653 P702344	71455 P752454	4.53	663 P752451	3.25	P502103	P151488	P201655	PO5507556SA P602299	4.53	2.75	2.00	2.16
351HD*	35000	L351204	L351304	71750 P702347	832 P702369	71455 P752454	4.53	842 P752473	3.25	P502103	P151488	P201655	PO5507556SA P602299	4.53	2.75	2.00	2.16



Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	881	CDS	4-1/2	LS5301	LS7301	P301827	P251727	P401928	26-1/2	2-12	4-3/8
STRAIGHT	981	CDS	4-1/2	LS5301	LS7301	P301827	P251727	P401928	26-1/2	2-12	4-3/8
STRAIGHT	891	STRESS PROOF	4-1/2	LS8128	LS9128	P301835	P251723	P401914	26-1/2	2-12	4-3/8
STRAIGHT	991	STRESS PROOF	4-1/2	LS8128	LS9128	P301835	P251723	P401914	26-1/2	2-12	4-3/8
STRAIGHT	351	CDS	5-1/2	LS8519	LS9519	P301871	P251733	P401932	26-1/2	2-1/2-12	5-1/2
STRAIGHT	351B	CDS	5-1/2	LS8519	LS9519	P301871	P251733	P401932	26-1/2	2-1/2-12	5-1/2
STRAIGHT	351HD	CDS	5-1/2	LS8519	LS9519	P301871	P251733	P401932	26-1/2	2-1/2-12	5-1/2

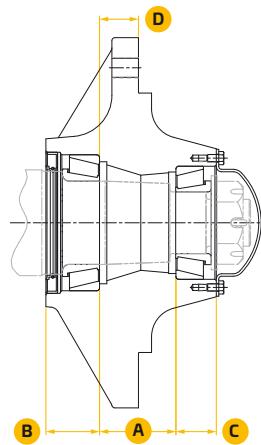
Hub capacity based on 1.5" positive offset

*These hubs are available with a brake pattern for brake mounting
B = Bolt pattern on brake version hub is 10 on 11" dia (1/2-20 UNF)

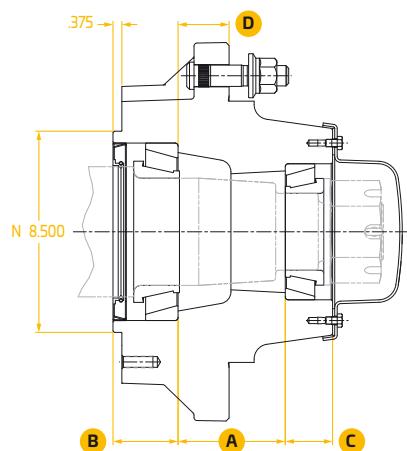
Hubs & Spindles

10 bolt / 13.188" bolt circle / 11.05" pilot

882



500



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
882	22500	L882202	L881302	HM218210 P702330	HM212011 P752290	HM218248 P752406	3.54	HM212049 P752428	2.62	P502041	-	-	CR43771 P602126	3.25	2.28	172	1.66
500*	50000	L500200	L500300	792 P702372	832 P702369	795 P752476	4.75	842 P752473	3.25	P502103	P151488	P201655	PO5508163SA P602328	4.53	2.75	200	2.16

Spindle – Technical Information

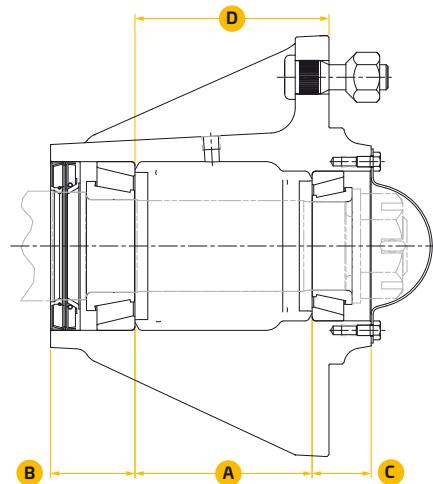
SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	882	CDS	4-1/2	LS5301	LS7301	P301827	P251727	P401928	26-1/2	2-12	4-3/8
STRAIGHT	500	CDS	6	LS5969	LS7969	P301871	P251733	P401932	26-1/2	2-1/2-12	5-1/2

Hub capacity based on 1.5" positive offset

*These hubs are available with a brake pattern for brake mounting

10 bolt / 10" bolt circle / 7" pilot

674



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
674	7750	L674200	L674300	563 P702284	3920 P702279	566 P752393	2.75	3984 P752388	2.63	P502016	P151409	P201641	CR31955 P602217	5.25	2.50	1.75	5.75

Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	674	CDS	3-1/4	LS8058	LS9058	P301838	P251711	P401906	16-1/2	1-3/4-12	3-3/16

Hub capacity based on 3.5" positive offset



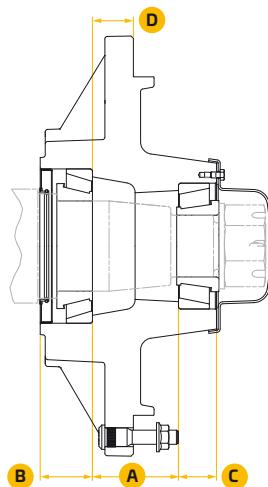
Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Hubs & Spindles

20 bolt / 20.125" bolt circle / 17.82" pilot

501



Hub - Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
501*	50000	L501200	L501300	792 P702372	832 P702369	795 P752476	4.75	842 P752473	3.25	P502103	P151443	P201612	PO5508163SA P602328	4.53	2.75	2.00	2.16

Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	501	CDS	6	LS5969	LS7969	P301882	P251733	P401932	26-1/2	2-1/2-12	5-1/2

Hub capacity based on 1.5" positive offset

*These hubs are available with a brake pattern for brake mounting



Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

Straddle Hubs & Spindles

Coulter Hubs & Spindles

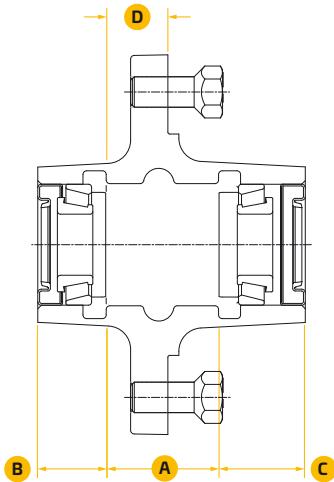
Recreational Vehicles

Hubs & Spindles

Straddle Hubs & Spindles

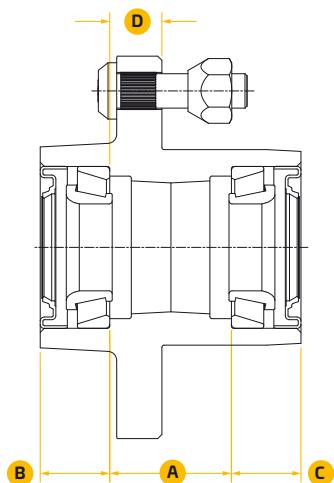
4 bolt / 5.000" bolt circle / 3.625" pilot

104



5 bolt / 4.500" bolt circle / 3.812" pilot

545



Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
104	1000	L104201	L104300	L44610 P702215	L44610 P702215	L44643 P752316	1.00	L44643 P752316	1.00	P101301	-	-	CR1241 P602123	2.41	0.88	1.09	1.25
545	1500	L545214	L545312	LM67010 P702203	LM67010 P702203	LM67048 P752311	1.25	LM67048 P752311	1.25	-	P151423	P201603	TC15233VH P602149	1.75	1.00	1.00	0.75

Spindle – Technical Information

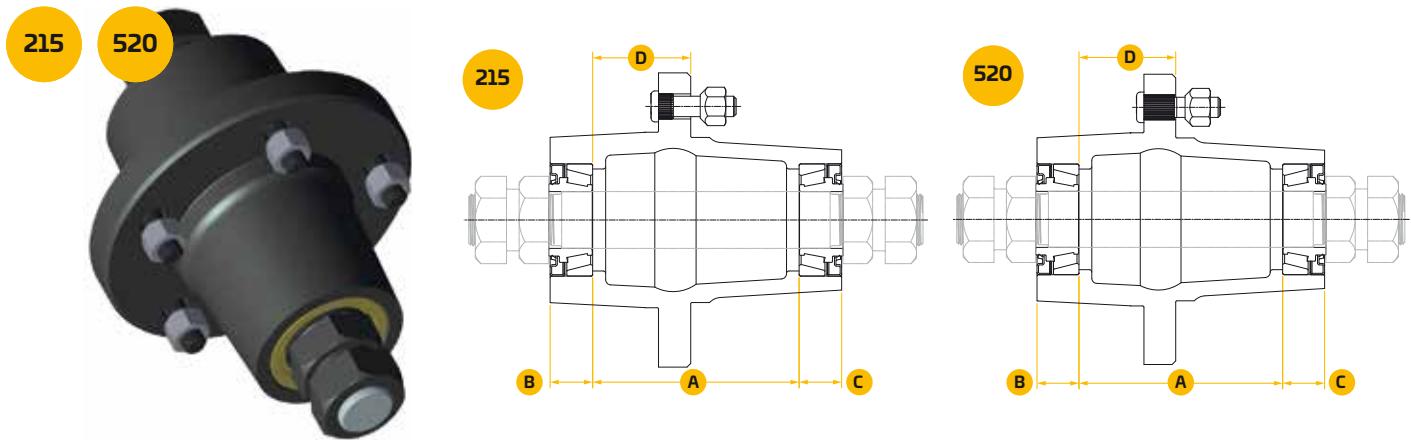
SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	104										
STRAIGHT	545										

NO STANDARD SPINDLE AVAILABLE. CONTACT GKN CUSTOMER SERVICE.

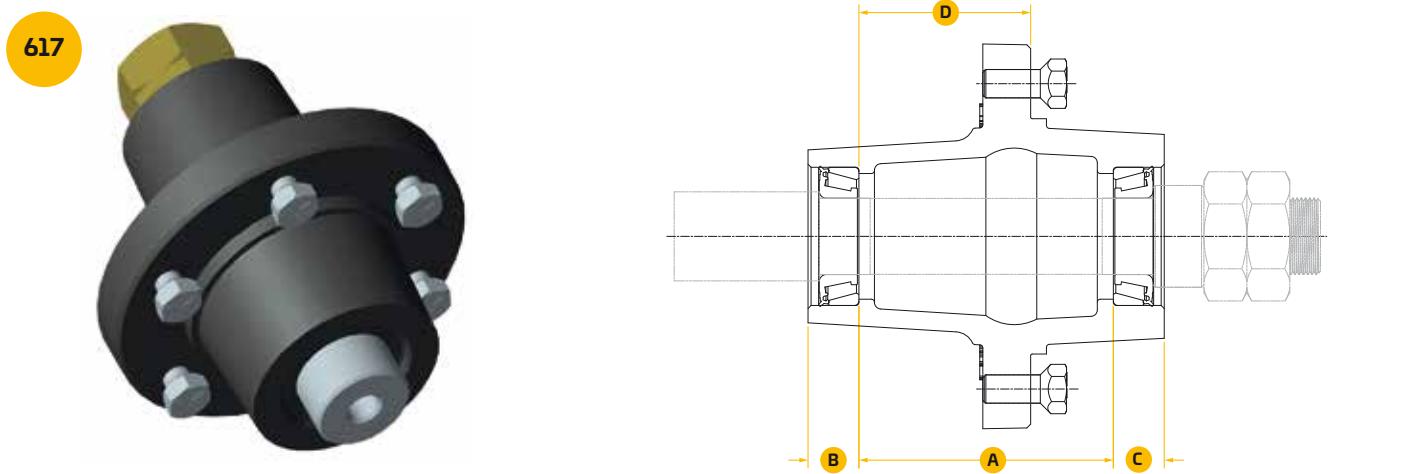
NO STANDARD SPINDLE AVAILABLE. CONTACT GKN CUSTOMER SERVICE.

Hub capacity based on .38" negative offset

5 bolt / 5.500" bolt circle / 4.000" pilot



6 bolt / 6.000" bolt circle / 4.625" pilot



Hub – Technical Information

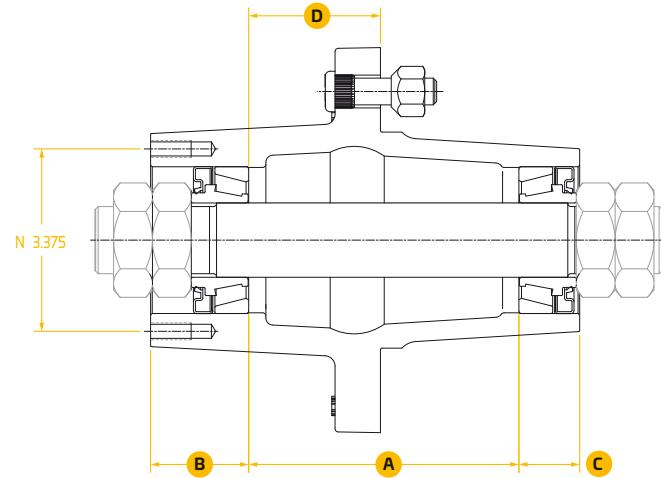
MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
215	2100	L215200	L215300	14276 P702216	14276 P702216	14136A P752318	1.38	14136A P752318	1.38	P151401	P201602	CR17617 P602106	5.00	1.03	1.03	2.38
520	3000	L520200	L520300	14276 P702216	14276 P702216	14136A P752318	1.38	14136A P752318	1.38	P151404	P201602	CR17617 P602106	5.00	1.03	1.03	2.38
617	3500	L617200	L617300	13621 P702219	13621 P702219	13600LA P752479	1.50	13600LA P752479	1.50	-	-	PART OF BEARING CONE	5.00	1.00	1.00	3.38
525	3000	L525200	L525300	14276 P702216	14276 P702216	14136A P752318	1.38	14136A P752318	1.38	P151401	P201602	CR17617 P602106	5.00	1.82	1.13	2.44
608	6000	L608259	L608359	25520 P702201	25520 P702201	25580 P752405	1.75	25580 P752405	1.75	P151407	P201607	CR23744 P602292	2.40	1.45	1.48	0.75

617 hub capacity based on 1.12" positive offset
525 hub capacity based on .25" negative offset

Straddle Hubs & Spindles

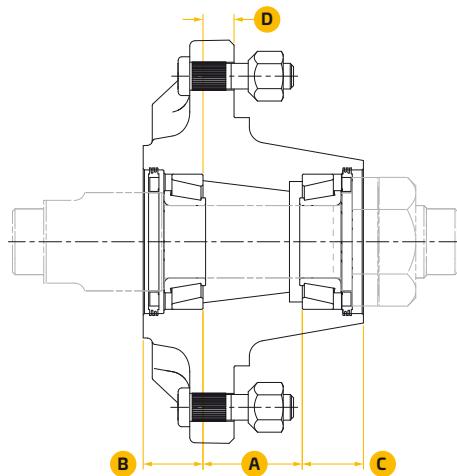
5 bolt / 5.500" bolt circle / 4.000" pilot

525



8 bolt / 8.000" bolt circle / 6.000" pilot

608

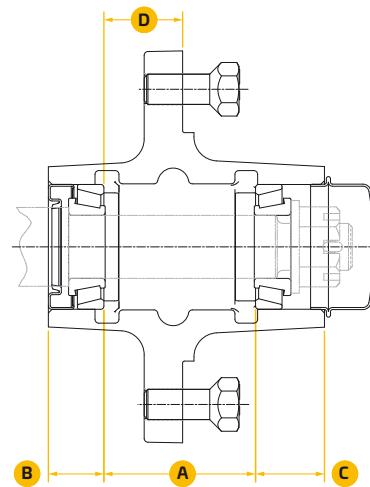


Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	215	CDS	1-3/8	LS5229	LS7229	-	P251707 / P251724	10	1-1/4-12	1-3/4 ON BEARING CONE
STRAIGHT	520	CDS	1-3/8	LS5229	LS7229	-	P251707 / P251724	10	1-1/4-12	1-3/4 ON BEARING CONE
STRAIGHT	617	CDS	2	LS5981	LS7981	P301874	P251743	9-1/2	1-1/2-12	PART OF BEARING CONE
STRAIGHT	525	CDS	1-3/4	LS8511	LS9511	-	P251740	10-1/2	1-1/4-12	1-3/4 ON BEARING CONE
STRAIGHT	608	CDS	2-3/8	LS8299	LS9299	-	P251728 / P251729	10-3/4	1-3/4-12	2-3/8

4 bolt / 5.000" bolt circle / 3.625" pilot

104

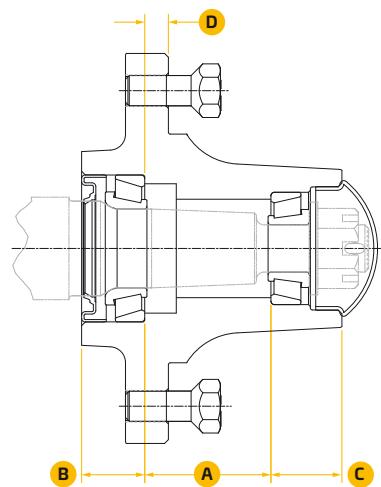


Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
104	1000	L104200	L104300	L44610 P702215	L44610 P702215	L44643 P752316	1.00	L44643 P752316	1.00	P502010	P101301	CR12411 P602123	2.41	0.88	109	1.25
633	1500	L633206	L633306	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502003	P101301	CR14974 P602111	2.00	1.00	112	0.38

Coulter Hubs & Spindles

4 bolt / 5.000" bolt circle / 3.625" pilot



Spindle - Technical Information

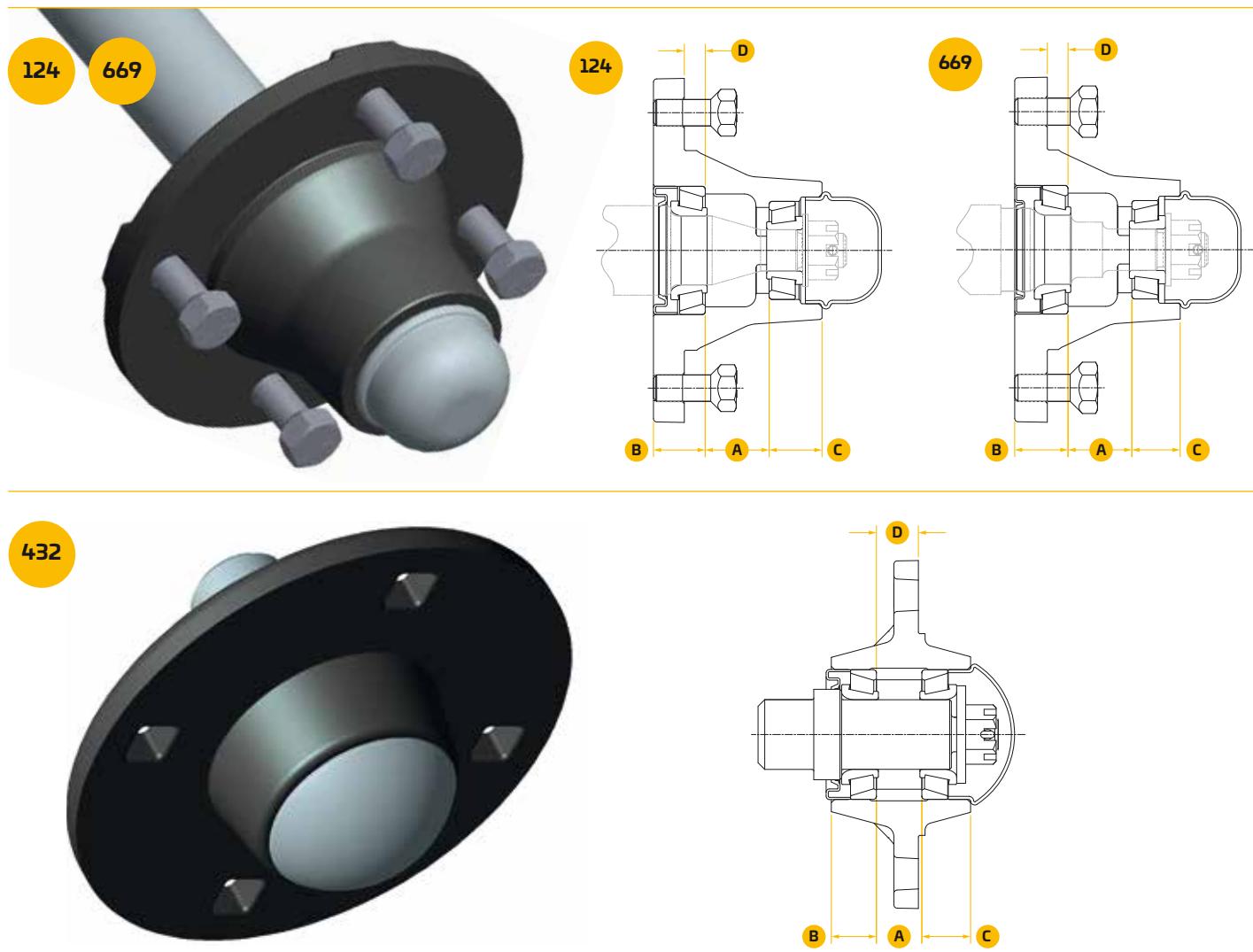
SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	104	CDS	1-1/4	LS8163	LS9163	P301802	P251703	P401901	8-1/2	3/4-16	1-1/4
STRAIGHT	633	CDS	1-5/8	LS5101	LS7101	P301802	P251703	P401905	9-5/16	3/4-16	1-1/2



Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

4 bolt / 5.000" bolt circle / 3.625" pilot

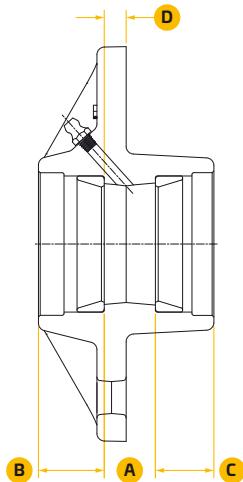


Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
124	1250	L124200	L124300	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502051	P101301	CR16069 P602105	1.16	0.94	0.96	0.38
669	1250	L669200	L669300	LM67010 P702203	LM11910 P702210	LM67048 P752311	1.25	LM11949 P752305	0.75	P502051	P101301	TC15233VH P602149	1.16	0.97	0.88	0.37
432	1200	L432200	L432300	LM67010 P702203	LM67010 P702203	LM67048 P752311	1.25	LM67048 P752311	1.25	P502056	-	CR16069 P602105	0.81	1.00	0.94	0.64
468	1250	UPON REQUEST	L468300	LM67010 P702203	LM67010 P702203	LM67048 P752311	1.25	LM67048 P752311	1.25	UPON REQUEST	-	UPON REQUEST	0.88	1.13	1.00	0.37

4 bolt / 5.250" bolt circle

468



Spindle - Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	124	CDS	1-5/8	LS5110	LS7110	P301801	P251701	P401905	10	5/8-18	1-5/8
STRAIGHT	669	CDS	1-5/8	LS5106	LS7106	P301801	P251701	P401905	10	5/8-18	1-1/2
STRAIGHT	432	CDS	1-5/8	LS5581	LS7581	P301860	P251701	P401916	4-1/2	5/8-18	1-5/8
STRAIGHT	468	NO STANDARD SPINDLE AVAILABLE. CONTACT GKN CUSTOMER SERVICE.									

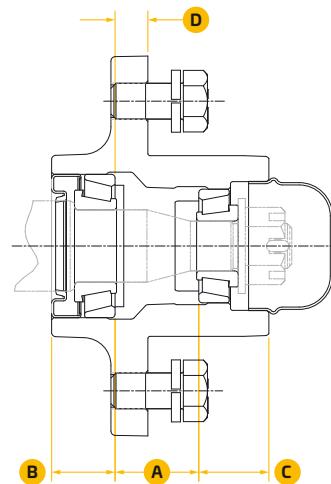


Spindles

- Straight spindles are standard
- Special spindles along with bent and double end spindles will be manufactured to customer specifications. Bent spindles are not available for spindles larger than 2-3/4"
- Please contact your sales person with your requirements

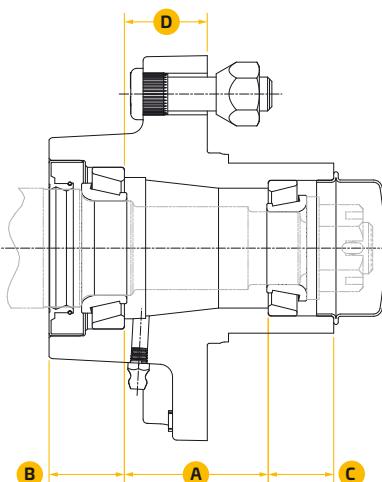
4 bolt / 4.000" bolt circle / 2.500" pilot

084



5 bolt / 4.500" bolt circle / 2.500" pilot

056



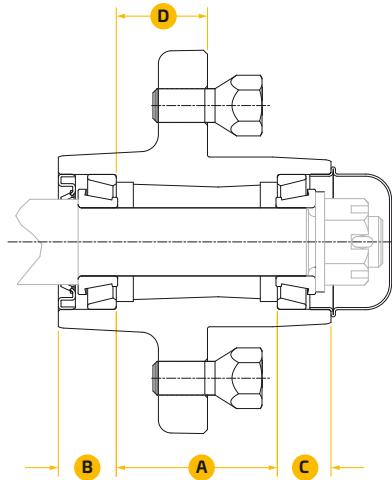
Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	SEAL	STUD	NUT	A (IN)	B (IN)	C (IN)	D (IN)
084	800	L084200	L084300	L44610 P702302	LM11710 P702218	L44643 P752316	1.00	LM11749 P752321	0.69	P502013	P943301	CR12411 P602123	-	-	116	0.88	0.97	0.45
056	1750	L056200	L056300	L68111 P702214	L44610 P702215	L68149 P752315	1.38	L44649 P752314	1.06	P502010	-	CR17144 P602117	P151401	P201603	2.10	1.10	0.95	1.21
440	1250	L440200	L440300	L44610 P702302	L44610 P702302	L44643 P752316	1.00	L44643 P752316	1.00	P502079	P101302	TC121982VH P602234	-	-	2.36	0.85	0.79	1.34
545	1250	L545200	L545300	L44610 P702300	L44610 P702300	L44643 P752408	1.00	L44643 P752408	1.00	P502079	-	TC121982VH P602234	P151423	P201603	2.36	0.85	0.79	1.34

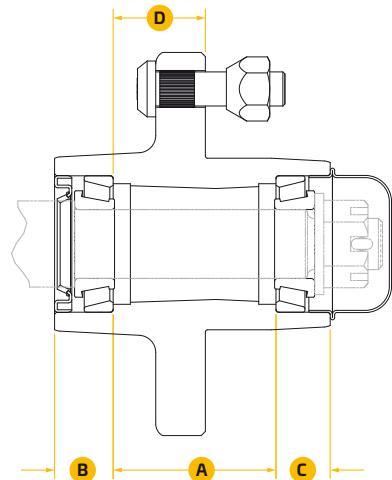
Hub capacity based on 0" offset

Recreational Vehicles Hubs & Spindles

4 bolt / 4.000" bolt circle / 2.500" pilot



5 bolt / 4.500" bolt circle / 2.500" pilot

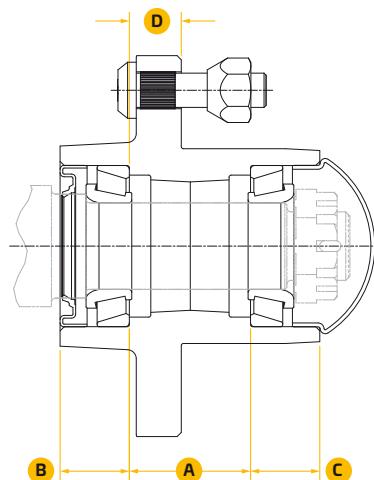
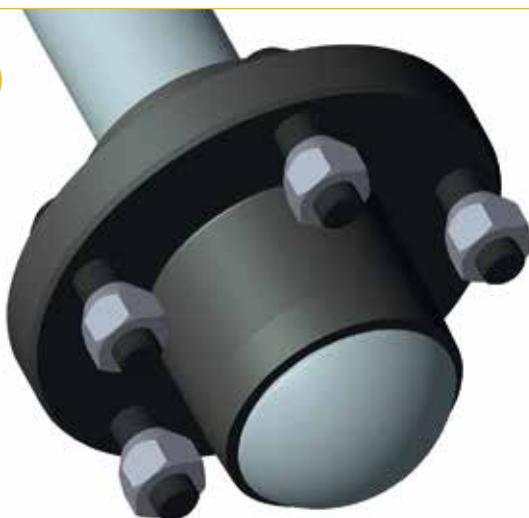


Spindle - Technical Information

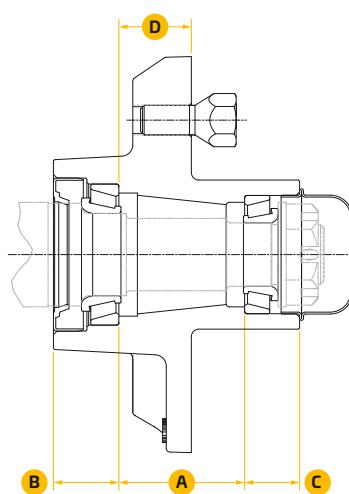
SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	084	CDS	1-1/4	LS5202	LS7202	P301801	P251701	P401905	7-1/2	5/8-18	1-1/4
STRAIGHT	056	CDS	1-3/4	LS5303	LS7303	P301807	P251703	P401901	8-1/2	3/4-16	1.719
STRAIGHT	440	CDS	1-1/4	LS8106	LS9106	P301802	P251703	P401901	7	3/4-16	1-1/4
STRAIGHT	545	CDS	1-1/4	LS8106	LS9106	P301802	P251703	P401901	7	3/4-16	1-1/4

5 bolt / 4.500" bolt circle / 2.500" pilot

545A



545B



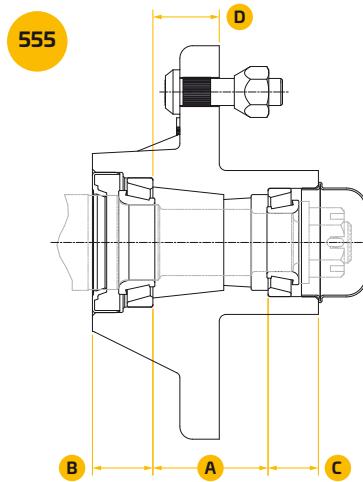
Hub – Technical Information

MODEL NO.	CAP (LBS)	HUB ASSY.	HUB SUB ASSY.	INNER CUP	OUTER CUP	INNER CONE	BORE DIA. (IN)	OUTER CONE	BORE DIA. (IN)	HUB CAP	WHEEL BOLT	STUD	NUT	SEAL	A (IN)	B (IN)	C (IN)	D (IN)
545A	1500	L545212	L545312	LM67010 P702335	LM67010 P702335	LM67048 P752442	1.25	LM67048 P752442	1.25	P502056	-	P151423	P201603	TC15233VH P602149	1.75	1.00	1.00	0.75
545B	1750	L545205	L545305	L68111 P702214	L44610 P702300	L68149 P752315	1.38	L44649 P752411	1.06	P502079	P101302	-	-	TC171255VB P602241	2.11	1.10	0.92	1.21
555	1750	L555200	L555300	L68111 P702214	L44610 P702300	L68149 P752315	1.38	L44649 P752411	1.06	P502079	-	P151423	P201603	TC171255VB P602241	2.11	1.10	0.92	1.21
655	1750	L655200	L655300	L68111 P702214	L44610 P702300	L68149 P752315	1.38	L44649 P752411	1.06	P502079	-	P151423	P201603	CR17144 P602117	2.11	1.11	0.92	1.22
655A	3000	L655201	L655301	25520 P702201	15245 P702229	25580 P752405	1.75	15125 P752364	1.25	P502026	-	P151423	P201603	NOKAF3135G P602179	1.97	1.51	1.06	0.59

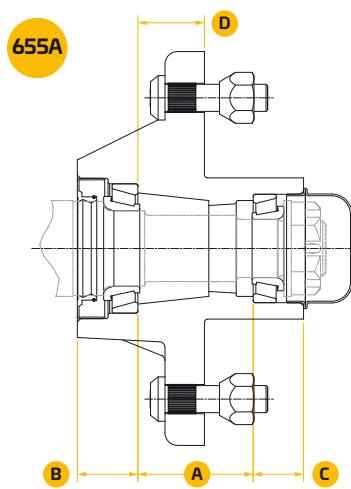
Hub capacity based on 0" offset

Recreational Vehicles Hubs & Spindles

5 bolt / 5.500" bolt circle / 3.625" pilot



6 bolt / 5.500" bolt circle / 3.500" pilot



Spindle – Technical Information

SPINDLE STYLE	MODEL NO.	MATERIAL	MATERIAL DIA. (IN)	SPINDLE ASSY.	MACHINED SPINDLE	WASHER	SLOTTED NUT	COTTER PIN	OVERALL LENGTH (IN)	THREAD (IN)	SEAL DIA. (IN)
STRAIGHT	545A	CDS	1-3/4	LS5554	LS7554	-	P251725	P401909	8-3/4	1-14	1-1/2
STRAIGHT	545B	CDS	1-3/4	LS8156	LS9156	P301854	P251725	P401901	8-1/4	1-14	1.719
STRAIGHT	555	CDS	1-3/4	LS5303	LS7303	P301807	P251703	P401901	8-1/2	3/4-16	1.719
STRAIGHT	655	CDS	1-3/4	LS8156	LS9156	P301854	P251725	P401901	8-1/4	1-14	1.719
STRAIGHT	655A	NO STANDARD SPINDLE AVAILABLE. CONTACT GKN CUSTOMER SERVICE.									

Components

Components

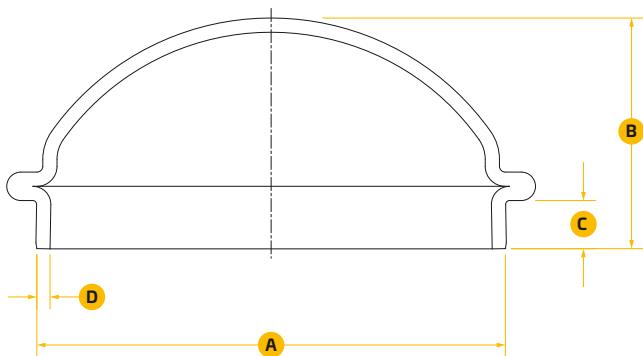
Hub Caps

Hub Caps – Technical Information

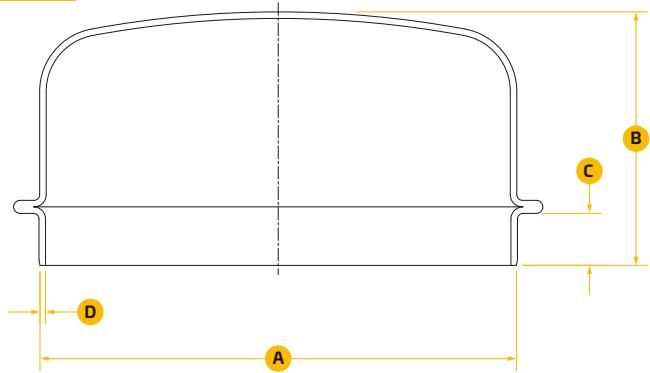
PART NO.	VENDOR NO.	STYLE	DIM A	DIM B	DIM C	DIM D	FINISH
P502001	1531	1	3.157	1.790	0.410	0.0590	N/A
P502002	1604	3	2.446	1.160	0.280	0.0590	N/A
P502003	1610	3	1.960	0.980	0.340	0.0590	N/A
P502004	1526	1	2.720	1.440	0.320	0.0360	N/A
P502005	1524	2	1.944	1.380	0.340	0.0380	N/A
P502008	1609	3	3.124	1.310	0.280	0.0590	N/A
P502010	1521	2	1.988	1.030	0.250	0.0320	ZINC
P502011	1515	2	2.567	1.360	0.280	0.0360	ZINC
P502013	1517	2	1.785	1.160	0.280	0.0320	ZINC
P502015	DC-28	4	6.250	2.620	4.330	0.1200	N/A
P502016	100274	4	5.750	1.750	3.670	0.0590	N/A
P502017	28400400	3	1.787	0.687	0.400	0.0360	N/A
P502019	1520	2	2.448	1.340	0.310	0.0320	ZINC
P502020	1609	3	3.124	1.310	0.280	0.0590	ZINC & YELLOW
P502022	340-4028						PURCHASED FROM STEMCO WITH GASKET (NO PRINT)
P502023	1603	1	3.882	1.070	0.630	0.0590	N/A
P502026	-	1	2.448	1.125	0.250	0.0740	N/A
P502027	-	1	2.448	1.125	0.250	0.0740	ZINC
P502028	-	1	2.448	1.125	0.250	0.0740	ZINC & YELLOW
P502030	1509	3	2.333	1.250	0.420	0.0320	ZINC
P502031	-	3	3.124	1.313	0.375	0.0590	ZINC
P502032	1610	3	1.960	0.980	0.380	0.0590	ZINC
P502033	1609	3	3.124	1.310	0.280	0.0590	BLACK OXIDE
P502035	1505	2	1.988	1.160	0.380	0.0320	ZINC
P502036	-	1	1.975	0.938	0.313	0.0590	N/A
P502037	-	1	1.975	0.938	0.313	0.0590	ZINC
P502039	-	1	3.157	1.790	0.410	0.0590	ZINC
P502041	-	4	6.250	1.910	4.340	0.1046	N/A
P502042	-	1	1.784	0.938	0.313	0.0590	N/A
P502043	-	1	1.784	0.938	0.313	0.0590	ZINC
P502044	1606	3	2.503	0.938	0.410	0.0740	N/A
P502045	1606	3	2.503	0.938	0.410	0.0740	ZINC
P502046	-	1	3.378	1.813	0.313	0.0360	N/A
P502047	1526	1	2.722	1.440	0.312	0.0360	ZINC
P502048	-	3	2.719	0.938	0.438	0.0740	N/A
P502049	-	3	2.719	0.938	0.438	0.0740	ZINC
P502050	-	1	3.951	2.125	0.312	0.0740	N/A
P502051	-	2	1.942	1.375	0.281	0.0590	N/A
P502052	-	2	1.942	1.375	0.281	0.0590	ZINC
P502053	1528	2	3.355	1.625	0.563	0.0360	N/A
P502055	-	2	1.983	1.000	0.313	0.0590	N/A
P502056	1601	3	2.333	1.190	0.420	0.0740	N/A
P502057	-	2	3.355	1.625	0.563	0.0360	ZINC
P502059	-	1	2.448	1.125	0.250	0.0740	N/A
P502067	-	3	2.333	1.190	0.420	0.0740	ZINC

PART NO.	VENDOR NO.	STYLE	DIM A	DIM B	DIM C	DIM D	FINISH	
P502079	21-3	2	1.99	1.200	0.310	0.0320	GALVANIZED	
P502080	-	1	2.722	1.440	0.320	0.0360	ZINC & YELLOW	
P502081	-	3	2.719	0.938	0.438	0.0740	PHOSPHATE	
P502082	-	3	1.986	0.910	0.383	0.0590	ZINC	
P502083	-	4	4.500	1.813	2.750	0.1050	N/A	
P502083	P20	-	4	4.500	1.813	2.750	0.1050	PAINT BLACK
P502084	-	3	3.156	1.380	0.280	0.0640	PLAIN	
P502085	-	4	4.500	1.813	2.750	0.1050	N/A	
P502086	1528	2	3.355	1.625	0.563	0.0359	ZINC	
P502089	-	3	3.156	1.380	0.280	0.0640	BLACK OXIDE	
P502091	-	3	3.156	1.380	0.280	0.0640	ZINC	
P502092	-	1	3.951	2.125	0.312	0.0740	ZINC	
P502093	-	2	2.328	1.000	0.312	0.0320	ZINC	
P502094	-	1	2.677	1.634	0.315	0.0590	N/A	
P502095	-	2	1.990	1.200	0.310	0.0320	ZINC & YELLOW	
P502096	-	-	-	-	-	-	0.0740	N/A
P502097	-	-	-	-	-	-	0.0740	ZINC & YELLOW
P502098	-	2	1.983	1.000	0.313	0.0590	ZINC & YELLOW	
P502099	-	2	1.983	1.000	0.313	0.0590	ZINC	
P502100	-	3	2.358	0.500	0.410	0.0470	N/A	
P502101	1606	3	2.503	0.940	0.410	0.0740	ZINC & YELLOW	
P502102	1515	2	2.567	1.360	0.280	0.0360	ZINC	
P502103	-	4	8.850	3.250	5.750	0.1050	ZINC	
P502104	-	4	3.875	1.105	2.844	0.1046	N/A	
P502105	-	3	3.415	0.450	0.294	0.0470	ZINC & YELLOW	
P502106	-	4	5.750	1.750	3.670	0.1046	N/A	
P502107	-	4	4.630	2.950	1.250	0.1046	N/A	
P502108	-	4	4.630	2.950	1.250	0.1046	N/A	
P502109	-	4	6.250	4.340	2.620	0.1250	ZINC	
P502110	-	-	4.000	3.185	2.950	-	N/A	
P502111	-	4	7.000	5.810	1.375	-	N/A	
P502112	-	4	7.500	3.480	5.540	-	N/A	
P502113	-	4	8.850	3.250	5.750	0.1050	ZINC	
P502114	-	4	3.875	1.105	2.844	0.1046	N/A	
P502115	-	4	3.620	1.000	2.332	0.0590	N/A	
P502116	-	4	9.750	0.600	-	0.2500	N/A	
P502117	-	3	2.060	0.350	0.250	0.0480	N/A	
P502118	-	1	4.260	2.250	0.380	0.0598	N/A	
P502119	-	4	5.750	2.120	4.000	-	N/A	
P502120	-	4	6.250	2.690	4.390	-	N/A	
P502121	-	-	4.000	3.185	2.950	-	N/A	
P502122	-	4	2.200	0.750	1.936	0.0320	N/A	
P502123	-	4	10.000	2.000	7.500	0.1046	N/A	
P502124	-	2	1.582	0.506	0.250	0.0390	ZINC & YELLOW	

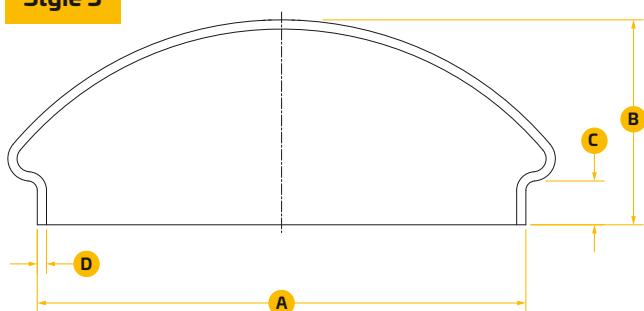
Style 1



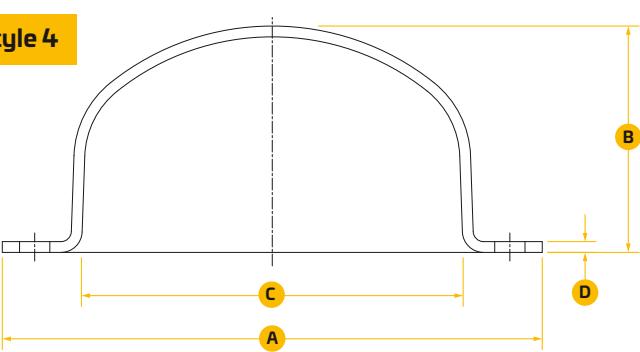
Style 2



Style 3



Style 4



PART NO.	VENDOR NO.	STYLE	DIM A	DIM B	DIM C	DIM D	FINISH
P502125	-	4	4.000	1.500	2.690	0.0747	N/A
P502126	-	-	2.610	0.250	0.250	-	N/A
P502127	-	3	3.480	0.500	0.375	0.0598	N/A
P502128	-	4	10.250	3.250	7.750	0.1046	N/A
P502129	-	4	4.000	1.000	2.560	0.0598	ZINC & YELLOW
P502130	-	-	2.920	0.150	-	0.0359	N/A
P502131	-	-	3.260	1.600	1.480	-	N/A
P502132	-	3	2.843	0.500	0.375	0.0598	ZINC
P502133	-	1	2.953	1.063	0.344	0.0478	GALVANIZED
P502134	-	5	80.440	10.500	-	-	RUBBERIZED
P502135	-	4	5.750	1.688	3.750	0.1046	N/A
P502136	-	4	6.250	2.620	4.590	0.1250	N/A
P502137	-	1	4.007	2.188	0.375	0.0747	N/A
P502138	-	3	2.358	0.500	0.410	0.0470	N/A
P502139	-	4	3.810	1.125	2.500	0.0747	N/A
P502140	-	4	8.625	3.250	4.250	0.1880	N/A
P502141	-	3	1.857	0.984	0.315	0.0598	ZINC
P502142	-	4	6.250	1.875	4.250	0.1047	N/A
P502143	1531	1	3.157	1.790	0.410	0.0590	ZINC & YELLOW

PART NO.	VENDOR NO.	STYLE	DIM A	DIM B	DIM C	DIM D	FINISH
P502144	-	-	2.688	0.375	0.375	0.0390	ZINC
P502145	1508	2	2.251	1.260	0.225	0.0390	ZINC
P502146	-	-	3.315	0.375	0.375	0.0390	ZINC
P502147	-	3	2.333	1.250	0.420	0.0320	N/A
P502148	-	-	2.485	0.250	0.250	0.0390	ZINC
P502149	-	4	2.750	0.563	0.188	-	N/A
P502150	-	-	3.750	-	-	0.0590	ZINC
P502151	-	4	8.563	1.000	7.000	0.1046	N/A
P502152	1610	2	2.446	1.340	0.313	0.0359	ZINC & YELLOW
P502153	-	3	1.785	0.690	0.370	0.0320	ZINC
P502154	-	1	3.157	1.772	0.410	0.0598	N/A
P502155	-	3	1.986	0.910	0.383	0.0598	ZINC & YELLOW
P502156	1605	3	2.722	1.340	0.321	0.0598	N/A
P502157	-	4	5.354	2.000	3.543	0.0598	N/A
P502158	-	2	3.548	1.575	0.394	0.0598	N/A
P502159	-	3	1.986	0.910	0.383	0.0598	N/A
P502160	-	4	8.750	1.500	6.137	0.1046	N/A
P502161	-	4	5.750	1.250	3.875	0.1046	N/A
P502162	-	3	2.840	1.004	0.374	0.0598	N/A

Components

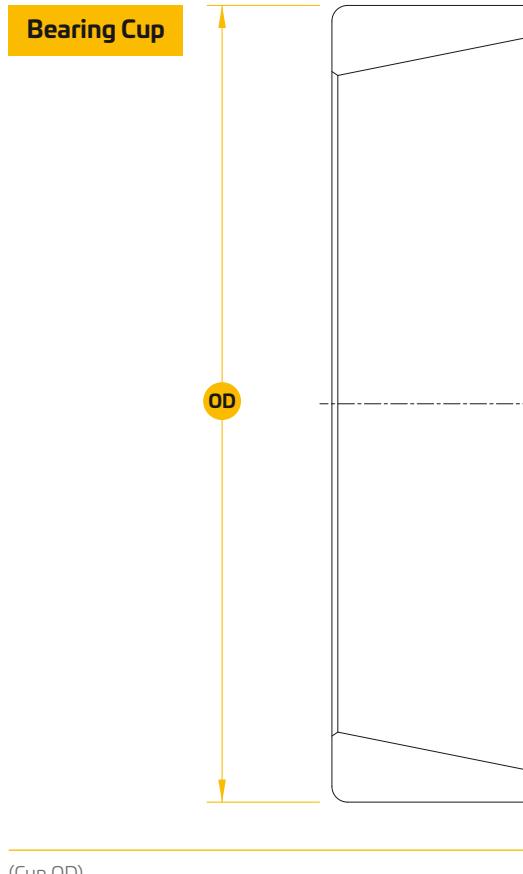
Bearing Cups

Bearing Cups – Technical Information

PART NO.	INDUSTRY CUP NO.	VENDOR	CUP O.D.	PART NO.	INDUSTRY CUP NO.	VENDOR	CUP O.D.	PART NO.	INDUSTRY CUP NO.	VENDOR	CUP O.D.
P702201	25520	PEER	3.2650	P702256	28920	TIMKEN	4.0000	P702314	39520	GENERIC	4.4370
P702202	3720	PEER	3.6708	P702257	13621	KOYO	2.7170	P702315	LM29710	PEER	2.5620
P702203	LM67010	PEER	2.3270	P702259	14274	KOYO	2.7170	P702316	15245	PEER	2.4410
P702204	LM501310	PEER	2.8900	P702260	14276	KOYO	2.7170	P702318	JLM104910	PEER	3.2280
P702205	25821	PEER	2.8750	P702261	14276	TIMKEN	2.7170	P702319	39520	PEER	4.4370
P702206	JL69310	PEER	2.4790	P702264	25821	KOYO	2.8750	P702320	39412	PEER	4.1240
P702207	LM48510	PEER	2.5620	P702265	02420	KOYO	2.6870	P702323	33462	PEER	4.6250
P702208	LM603011	PEER	3.0610	P702266	24720	KOYO	3.0000	P702324	772	-	7.1250
P702209	2720	PEER	2.9990	P702267	24720	TIMKEN	3.0000	P702325	77675	-	6.7500
P702210	LM11910	PEER	1.7800	P702268	25521	KOYO	3.2700	P702329	453A	PEER	4.1250
P702213	JLM506810	PEER	3.5410	P702269	2631	KOYO	2.6150	P702330	HM218210	PEER	5.7860
P702214	L68111	PEER	2.3600	P702270	2720	KOYO	3.0000	P702331	14274	PEER	2.7170
P702216	14276	PEER	2.7160	P702272	332	KOYO	3.1490	P702332	332	PEER	3.1490
P702217	382A	PEER	3.8110	P702273	332	TIMKEN	3.1490	P702333	3920	PEER	4.4360
P702218	LM11710	PEER	1.5690	P702274	33462	KOYO	4.6250	P702334	24720	PEER	3.0000
P702219	13621	PEER	2.7170	P702275	3525	KOYO	3.4370	P702335	LM67010	KOYO	2.3270
P702224	HM212011	TIMKEN	4.8120	P702276	362A	KOYO	3.5430	P702336	JL69310	KOYO	2.4790
P702225	33462	TIMKEN	4.6250	P702277	3720	KOYO	3.6700	P702337	M88010	PEER	2.6875
P702227	1930	PEER	2.2380	P702278	382	TIMKEN	3.8750	P702339	25521	TIMKEN	3.2700
P702228	25520	TIMKEN	3.2650	P702279	3920	KOYO	4.3750	P702340	3526	TIMKEN	3.4375
P702229	15245	KOYO	2.4410	P702280	39520	TIMKEN	4.4370	P702341	JM207010	TIMKEN	3.7402
P702230	HM218210	TIMKEN	5.7860	P702281	453A	KOYO	4.1250	P702342	653	HL	5.7500
P702231	453A	TIMKEN	4.1250	P702282	47620	KOYO	3.2500	P702343	653	KOYO	5.7500
P702232	26823	TIMKEN	2.9980	P702284	563	KOYO	5.0000	P702344	653	TIMKEN	5.7500
P702233	25821	TIMKEN	2.8750	P702285	6535	TIMKEN	6.3750	P702345	71750	HL	7.5000
P702234	3720	TIMKEN	3.6700	P702286	09195	KOYO	1.9800	P702346	71750	KOYO	7.5000
P702235	JL69310	TIMKEN	2.4790	P702290	HM212011	PEER	4.8120	P702347	71750	TIMKEN	7.5000
P702236	2720	TIMKEN	2.9990	P702292	L68111	TIMKEN	2.3600	P702348	25520	HL	3.2650
P702237	LM67010	TIMKEN	2.3270	P702294	JLM104910	KOYO	3.2280	P702349	LM48510	HL	2.5625
P702238	LM501310	KOYO	2.8900	P702295	JLM104910	TIMKEN	3.2280	P702350	LM104912	HL	3.2650
P702239	25520	KOYO	3.2650	P702296	39520	KOYO	4.4370	P702351	382A	HL	3.8125
P702240	29710	TIMKEN	2.5620	P702297	JLM506810	KOYO	3.5400	P702352	LM11710	HL	1.5700
P702243	JLM506810	TIMKEN	3.5400	P702298	JLM508710	TIMKEN	3.7400	P702353	HM212011	HL	4.8125
P702244	LM29710	KOYO	2.5620	P702300	L44610	KOYO	1.9790	P702354	3720	HL	3.6718
P702246	LM11910	KOYO	1.7800	P702301	L44610	TIMKEN	1.9790	P702355	LM67010	HL	2.3280
P702247	JLM506810	KOYO	3.5410	P702302	L44610	PEER	1.9790	P702356	LM501310	HL	2.8910
P702248	LM501310	TIMKEN	2.8900	P702304	LM104911A	TIMKEN	3.2500	P702357	25821	HL	2.8750
P702249	LM603011	TIMKEN	3.0610	P702305	LM11710	KOYO	1.5700	P702358	JL69310	HL	2.4803
P702250	382A	TIMKEN	3.8110	P702307	LM29710	TIMKEN	2.5620	P702359	LM11910	HL	1.7810
P702251	LM48510	TIMKEN	2.5620	P702308	LM48510	KOYO	2.5620	P702360	13621	HL	2.7170
P702252	39412	TIMKEN	4.1240	P702309	LM603011	KOYO	3.0610	P702361	LM29710	HL	2.5625
P702253	382A	KOYO	3.8110	P702310	LM603012	KOYO	3.0620	P702362	LM603011	HL	3.0625
P702254	LM11910	TIMKEN	1.7800	P702311	M12610	KOYO	1.9680	P702363	2720	HL	3.0000
P702255	13621	TIMKEN	2.7170	P702312	M88010	KOYO	2.6875	P702364	L68111	HL	2.3612

PART NO.	INDUSTRY CUP NO.	VENDOR	CUP O.D.
P702365	HM218210	HL	5.7864
P702366	33462	HL	4.6250
P702367	JLM506810	HL	3.5433
P702368	39520	HL	4.4375
P702369	832	TIMKEN	6.6250
P702370	15250	PEER	2.5000
P702372	792	TIMKEN	8.1250
P702373	25520	NTN	3.2650
P702374	25821	NTN	2.8750
P702375	HH221410	TIMKEN	7.5000
P702377	74850	TIMKEN	8.5000
P702378	930	TIMKEN	8.1250
P702379	932	TIMKEN	8.3750
P702380	HH221410	PEER	7.5000
P702381	2735X	KOYO	2.8750
P702382	L44610	HL	1.9790
P702383	74850P	TIMKEN	8.5000
P702384	832-T2	PEER	6.6250
P702385	932-T2	PEER	8.3750
P702386	Y33215-T2	PEER	5.1181
P702387	Y33118-T2	PEER	5.9055
P702388	453A	HL	4.1250
P702389	30204	HAOSHENG	1.8504
P702390	30205	HAOSHENG	2.0472
P702391	39520	NTN	4.4375
P702392	453A	NTN	4.1250
P702393	33462	NTN	4.6250
P702394	14276	HL	2.7170
P702395	332	HL	3.1496
P702396	792	NTN	8.1250
P702397	832	NTN	6.6250
P702398	71750	NTN	7.5000
P702399	653	NTN	5.7500
P702400	HH221410	NTN	7.5000
P702401	28921	TIMKEN	3.9370
P702402	LM104912	NTN	3.2650
P702403	74850	NTN	8.5000

Bearing Cup



Components

Bearing Cones

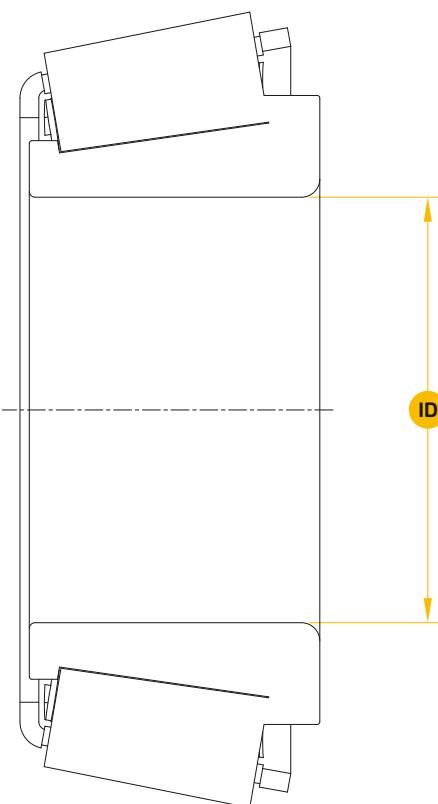
Bearing Cones – Technical Information

PART NO.	INDUSTRY CONE NO.	VENDOR	CONE I.D.	PART NO.	INDUSTRY CONE NO.	VENDOR	CONE I.D.	PART NO.	INDUSTRY CONE NO.	VENDOR	CONE I.D.
P752301	JL69349	PEER	14960	P752352	LM29749	KOYO	15000	P752406	HM218248	PEER	3.5423
P752302	LM104949	PEER	2.0000	P752353	LM48548	KOYO	13750	P752407	JLM508748	TIMKEN	2.3620
P752303	25590	PEER	1.7960	P752354	39250	TIMKEN	2.5000	P752408	L44643	KOYO	1.0000
P752304	2790	PEER	1.3120	P752355	LM11949	TIMKEN	0.7500	P752410	L44643	TIMKEN	1.0000
P752305	LM11949	PEER	0.7500	P752356	387AS	KOYO	2.2500	P752411	L44649	KOYO	1.0620
P752306	LM501349	PEER	1.6250	P752357	09078	KOYO	3.062	P752412	L68149	KOYO	1.3780
P752307	LM603049	PEER	1.7810	P752358	13685	KOYO	15000	P752413	LM104949	KOYO	2.0000
P752308	25877	PEER	1.3750	P752359	13686	KOYO	15000	P752414	L68149	TIMKEN	1.3750
P752309	3780	PEER	2.0000	P752360	14136A	KOYO	1.3750	P752415	LM29749	TIMKEN	1.5000
P752310	LM48548	PEER	1.3750	P752361	14137A	KOYO	1.3750	P752416	LM48548	TIMKEN	1.3750
P752311	LM67048	PEER	1.2500	P752362	14138A	KOYO	1.3750	P752417	14125A	PEER	1.2500
P752312	JLM506849	PEER	2.1650	P752363	15123	KOYO	12500	P752419	LM603049	KOYO	1.7810
P752313	LM29749	PEER	1.5000	P752364	15125	KOYO	12500	P752422	M12649	KOYO	0.8440
P752314	L44649	PEER	1.0620	P752365	02475	KOYO	12500	P752423	14125A	KOYO	1.2500
P752315	L68149	PEER	1.3780	P752366	24780	KOYO	1.6250	P752424	25590	KOYO	1.7960
P752316	L44643	PEER	1.0000	P752367	25580	KOYO	1.7500	P752426	JLM506849	TIMKEN	2.1650
P752318	14136A	PEER	1.3750	P752369	2580	KOYO	1.2500	P752427	15123	TIMKEN	1.2500
P752319	RA103RR2	FAFNIR	1.2500	P752370	2689	KOYO	1.1250	P752428	HM212049	PEER	2.6250
P752320	387AS	PEER	2.2500	P752371	2788	KOYO	1.5000	P752430	39250	GENERIC	2.5000
P752321	LM11749	PEER	0.6870	P752372	2790	KOYO	1.3120	P752433	39590	PEER	2.6250
P752322	13600LA 90069	TIMKEN	15000	P752373	2793	TIMKEN	1.3750	P752434	33275	PEER	2.7500
P752323	LM67000LA-A902A1	TIMKEN	1.2500	P752374	2796	PEER	1.3750	P752435	LM48548	PEER	1.3750
P752324	HM218248	TIMKEN	3.5423	P752375	2796	TIMKEN	1.3750	P752437	460	PEER	1.7500
P752325	460	TIMKEN	1.7500	P752376	33275	KOYO	2.7500	P752438	460	NTN	1.7500
P752326	25877	TIMKEN	1.3750	P752377	342A	KOYO	1.6250	P752439	39585	PEER	2.5000
P752327	15123	PEER	1.2500	P752378	342A	TIMKEN	1.6250	P752440	39581	PEER	2.2500
P752330	HM212049	TIMKEN	2.6250	P752379	3585	KOYO	1.6250	P752441	15123	PEER	1.2500
P752331	33275	TIMKEN	2.7500	P752380	368A	KOYO	2.0000	P752442	LM67048	KOYO	1.2500
P752332	39585	TIMKEN	2.5000	P752381	3780	KOYO	2.0000	P752443	JL69349	KOYO	1.4960
P752333	25590	TIMKEN	1.7960	P752382	3784	KOYO	2.0000	P752444	M88048	PEER	1.3125
P752334	3780	TIMKEN	2.0000	P752383	39581	KOYO	2.2500	P752445	JLM104948	PEER	1.9685
P752335	JL69349	TIMKEN	1.4960	P752384	39585	KOYO	2.5000	P752446	3578	TIMKEN	1.7500
P752336	39590	TIMKEN	2.6250	P752386	39590	KOYO	2.6250	P752447	469	TIMKEN	2.2500
P752337	LM501349	KOYO	1.6250	P752387	3979	KOYO	2.2500	P752448	LM67000LA-A902A1	PEER	1.2500
P752338	LM501349	TIMKEN	1.6250	P752388	3984	KOYO	2.6250	P752449	663	HL	3.2500
P752339	LM67048	TIMKEN	1.2500	P752390	455	TIMKEN	2.0000	P752450	663	KOYO	3.2500
P752340	2790	TIMKEN	1.3120	P752392	47687	KOYO	3.2500	P752451	663	TIMKEN	3.2500
P752342	25877	KOYO	1.3750	P752393	566	KOYO	2.7500	P752452	71455	HL	4.5310
P752345	LM11949	KOYO	0.7500	P752394	09067	KOYO	0.7500	P752453	71455	KOYO	4.5310
P752347	JLM506849	TIMKEN	2.1650	P752395	03081	KOYO	0.1820	P752454	71455	TIMKEN	4.5310
P752348	LM603049	TIMKEN	1.7820	P752402	JLM104948	KOYO	1.9680	P752455	LM11949	HL	0.7500
P752349	387AS	TIMKEN	2.2500	P752403	JLM104948	TIMKEN	1.9680	P752456	460	HL	1.7500
P752350	24780	TIMKEN	1.6250	P752404	JLM506849	KOYO	2.1650	P752457	JL69349	HL	1.4961
P752351	JLM506849	KOYO	2.1650	P752405	25580	PEER	1.7500	P752458	25590	HL	1.7960

PART NO.	INDUSTRY CONE NO.	VENDOR	CONE I.D.
P752459	LM501349	HL	1.6250
P752460	LM603049	HL	1.7812
P752461	25877	HL	1.3750
P752462	LM67048	HL	1.2500
P752463	JLM506849	HL	2.1654
P752464	L44649	HL	1.0625
P752465	L68149	HL	1.3775
P752466	L44643	HL	1.0000
P752467	14136A	HL	1.3750
P752468	2790	HL	1.3125
P752469	LM29749	HL	1.5000
P752470	3780	HL	2.0000
P752471	LM104949	HL	2.0000
P752472	LM48548	HL	1.3750
P752473	842	TIMKEN	3.2500
P752474	15126	PEER	1.2500
P752476	795	TIMKEN	4.7500
P752477	3307	NTN	35MM
P752478	HH221449	TIMKEN	4.0000
P752479	13600LA	PEER	1.5000
P752480	74550A	TIMKEN	5.5000
P752481	938	TIMKEN	4.5000
P752482	HH221449	PEER	4.0000
P752483	3782	PEER	1.7500
P752484	LM67049A	TIMKEN	1.2500
P752485	74550P	TIMKEN	5.5000
P752486	28995	TIMKEN	2.4700
P752487	342-S	TIMKEN	1.6875
P752488	842XT-T2	PEER	3.2500
P752489	938XT-T2	PEER	4.5000
P752490	24780	PEER	1.6250
P752491	X33215XT-T2	PEER	2.9528
P752492	X33118XT-T2	PEER	3.5433
P752493	33275	HL	2.7500
P752494	33287	TIMKEN	2.8750
P752495	39585	HL	2.5000
P752496	X30204	-	0.7874
P752497	X30205	-	0.9842
P752498	39585	NTN	2.5000
P752499	460	NTN	1.7500
P752501	336	-	1.6250
P752502	14137A	-	1.3750
P752503	795	NTN	4.7500
P752504	842	NTN	3.2500

Bearing Cone

(Cone ID)



PART NO.	INDUSTRY CONE NO.	VENDOR	CONE I.D.
P752505	25580-LAX	PEER	1.7500
P752506	25580-LATX	PEER	1.7500
P752507	71455	NTN	4.5310
P752508	663	NTN	3.2500
P752509	HM212049	HL	2.6250
P752510	HM218248	HL	3.5423
P752511	HH221449	NTN	4.0000
P752512	387AS	HL	2.2500
P752513	25580	TIMKEN	1.7500
P752514	74550A	NTN	5.5000
P752515	JLM506849	NTN	2.1654
P752516	02475	PEER	1.2500

Components

Seals

Seals – Technical Information

PART NO.	VENDOR NO.	DIM A	DIM B	DIM C	LIP STYLE
P602101	POS2623625VHY/TC26362VHY/CR26260	2.625	3.628	0.250	SINGLE LIP
P602102	POS152625VH/TC15262VH	1.500	2.627	0.250	SINGLE LIP
P602103	CR16289/TC162564VHY/POS1622543VHY	1.625	2.566	0.438	SINGLE LIP
P602104	POS2003625VH/TC20362VH	2.000	3.628	0.250	SINGLE LIP
P602105	POS16223243VHY/TC162334VHY	1.625	2.333	0.438	SINGLE LIP
P602106	POS1752735VHY/TC17273VHY	1.750	2.722	0.359	SINGLE LIP
P602107	TC1624620UB/CR16286	1.625	2.522	0.250	TRIPLE LIP
P602108	POS2503743SA	2.500	3.756	0.438	SINGLE LIP SPRING LOADED
P602109	POS1873025VH/TC18302VH	1.875	3.004	0.250	SINGLE LIP
P602110	POS2003343TA/TC20334TA	2.000	3.371	0.438	DOUBLE LIP SPRING LOADED
P602111	CR14974	1.500	2.332	0.500	SINGLE LIP
P602114	TC203062VH/POS2003025VH	2.000	3.066	0.250	SINGLE LIP
P602115	POS2253025VHY/TC223062VHY	2.250	3.066	0.250	SINGLE LIP
P602116	POS2753725VHY/TC27372VHY	2.750	3.756	0.250	SINGLE LIP
P602117	TC171255TB/POS1712550TB/CR17144	1.719	2.565	0.500	DOUBLE LIP SPRING LOADED
P602118	CR15174	1.500	2.515	0.290	TRIPLE LIP
P602119	TC22302VHY/POS22530025VHY	2.250	3.005	0.250	SINGLE LIP
P602120	CR17618/TC17273UA	1.750	2.722	0.354	TRIPLE LIP
P602121	TC203065TA/CR20054/POS20030650TA	2.000	3.066	0.500	DOUBLE LIP SPRING LOADED
P602122	POS3004025VH/TC30402VH	3.000	4.008	0.250	SINGLE LIP
P602123	POS1251940VHY/TC12194VHY	1.250	1.983	0.406	SINGLE LIP
P602124	TC19263SB	1.938	2.627	0.313	SINGLE LIP SPRING LOADED
P602125	POS1502339VHY/TC15233VHY/CR14975	1.500	2.332	0.390	SINGLE LIP
P602126	TC43605SA/POS4376050SA/CR43771	4.375	6.007	0.500	SINGLE LIP SPRING LOADED
P602127	POS3374643SA/TC33464SA/CR33772	3.375	4.631	0.438	SINGLE LIP SPRING LOADED
P602128	POS3004543SA/TC30454SA	3.000	4.505	0.438	SINGLE LIP SPRING LOADED
P602132	CR25078	2.492	3.755	0.315	TRIPLE LIP
P602134	TC27404PTA/CR27565	2.750	4.008	0.438	DOUBLE LIP SPRING LOADED
P602137	POS1502350TB/TC15235TB	1.500	2.332	0.500	DOUBLE LIP SPRING LOADED
P602139	TC213062VHY/CR21208/CR530561	2.125	3.066	0.250	SINGLE LIP
P602140	TC324156SA	3.250	4.130	0.562	SINGLE LIP
P602141	POS2753743TB/TC27374TB	2.750	3.756	0.438	DOUBLE LIP SPRING LOADED
P602145	CR28751/TC28382VH	2.875	3.881	0.250	SINGLE LIP
P602147	CR17146	1.719	2.566	0.500	SINGLE LIP
P602148	CR22532/TC22334TA	2.250	3.376	0.438	DOUBLE LIP SPRING LOADED
P602149	TC15233VHY/POS1502339VHY/CR14975	1.500	2.332	0.390	SINGLE LIP
P602150	-	4.625	5.968	0.094	GASKET
P602165	TC13234VHY	1.375	2.332	0.406	SINGLE LIP
P602179	NOK AF3135G/TC22333VB	2.250	3.376	0.375	SINGLE LIP
P602182	CR11164	1.125	1.785	0.469	SINGLE LIP
P602183	CR35062	3.500	4.848	0.897	DOUBLE LIP SPRING LOADED
P602193	CR28700	2.875	3.756	0.250	SINGLE LIP
P602195	CR24904	2.500	3.256	0.250	SINGLE LIP
P602196	TC162343UBY/CR16064	1.625	2.332	0.433	TRIPLE LIP

PART NO.	VENDOR NO.	DIM A	DIM B	DIM C	LIP STYLE
P602201	POS3004046SA/TC30404SA/TC30404SA-H	3.000	4.008	0.438	SINGLE LIP SPRING LOADED
P602204	CR22354/TC22303TB	2.250	3.005	0.375	DOUBLE LIP SPRING LOADED
P602205	CR10035	1.000	1.785	0.469	SINGLE LIP
P602207	CR13557/TC13193PSB-H	1.375	1.987	0.313	SINGLE LIP SPRING LOADED
P602208	TC15234VB	1.500	2.332	0.406	SINGLE LIP
P602213	CR38730	3.875	5.256	0.433	SINGLE LIP SPRING LOADED
P602214	CR22558	2.250	3.376	0.433	SINGLE LIP SPRING LOADED
P602217	TC31494SA/CR31955	3.188	5.004	0.438	SINGLE LIP SPRING LOADED
P602222	TC16262VHY/CR16322	1.625	2.627	0.250	SINGLE LIP
P602224	CR27370	2.750	3.756	0.433	DOUBLE LIP SPRING LOADED
P602231	TC121974VB	1.219	1.983	0.406	SINGLE LIP
P602233	CR22870/TC229313VHY	2.297	3.152	0.359	SINGLE LIP
P602234	TC121982VH	1.250	1.987	0.250	SINGLE LIP
P602235	CR19223	1.938	2.582	0.292	DOUBLE LIP
P602236	NOK 42AF7335-EO	1.950	3.630	0.250	SINGLE LIP
P602237	NILOSRINGE# 25590	1.796	3.150	-	-
P602239	TC15192TB	1.500	1.987	0.250	DOUBLE LIP SPRING LOADED
P602240	CR15190	1.500	2.627	0.250	SINGLE LIP
P602241	TC 171255VB/POS1712550VB	1.719	2.565	0.500	SINGLE LIP
P602242	CR16289	1.625	2.566	0.438	SINGLE LIP
P602243	CR20148	2.000	3.620	0.250	-
P602244	CR16069	1.625	2.333	0.438	SINGLE LIP
P602245	CR17617	1.750	2.720	0.360	-
P602246	CR25091	2.500	3.750	0.440	-
P602247	CR18823	1.875	3.000	0.250	-
P602248	POS1873031TB	1.875	3.000	0.310	DOUBLE LIP SPRING LOADED
P602249	CR20044	2.000	3.060	0.250	-
P602250	CR22392	2.250	3.060	0.250	-
P602251	CR27394	2.750	3.750	0.250	-
P602252	CR17413	1.750	2.570	0.310	-
P602253	CR22368/TC22302VHY	2.250	3.004	0.250	SINGLE LIP
P602255	-	-	-	-	TRIPLE LIP
P602256	CR11191	1.120	1.830	0.250	-
P602257	CR35066	3.500	4.840	0.900	-
P602258	CR14977	1.500	2.330	0.500	-
P602259	CR19785	2.000	2.720	0.380	-
P602260	CR32501/POS3254543SA-S/TC3245043SA-H	3.250	4.501	0.438	SINGLE LIP SPRING LOADED
P602261	NOK 821035EO	1.875	3.000	-	-
P602262	TC121982TB	1.250	1.987	0.250	DOUBLE LIP SPRING LOADED
P602263	CR559126	1.683	2.710	0.275	-
P602264	TC 21364-SAII	2.120	3.620	0.470	-
P602265	-	-	-	-	DOUBLE LIP
P602266	CR26260	2.625	3.628	0.250	SINGLE LIP
P602267	NAT'L 473463	2.000	3.065	0.375	-

Seals

Seals – Technical Information

PART NO.	VENDOR NO.	DIM A	DIM B	DIM C	LIP STYLE
P602268	CR20054	2.000	3.066	0.500	DOUBLE LIP SPRING LOADED
P602269	CR12411	1.250	1.983	0.406	SINGLE LIP
P602271	CR27539	2.750	4.008	0.440	-
P602272	CR27361	2.750	3.756	0.438	SINGLE LIP SPRING LOADED
P602273	TC22333VB	2.250	3.371	0.380	-
P602274	TC17273VA	1.750	2.718	0.359	-
P602275	TC1524620VB	1.500	2.462	0.290	-
P602276	CR530561	2.120	3.060	0.250	-
P602278	NAT'L 487945	2.000	3.620	0.380	-
P602280	CTD SE59	4.750	6.250	0.063	GASKET
P602281	-	2.780	4.500	0.030	-
P602282	A1114C GBSA INC.	1.750	2.220	0.570	-
P602285	-	-	-	-	SEAL RETAINER
P602286	-	-	-	-	V-SEAL SPECIAL
P602287	TCM 223063TB-H	2.250	3.067	0.375	DOUBLE LIP SPRING LOADED
P602288	CR530456	1.808	2.408	0.330	TRIPLE LIP
P602289	-	2.408	3.000	0.610	SEAL CUP
P602290	-	3.553	4.250	0.690	SEAL CUP
P602291	-	2.371	3.481	0.294	TRIPLE LIP
P602292	-	2.371	3.481	0.250	TRIPLE LIP
P602293	-	-	-	-	V-SEAL SPECIAL
P602296	CR22493	2.250	3.356	0.438	DOUBLE LIP SPRING LOADED
P602297	-	-	-	-	-
P602298	-	1.500	2.510	0.290	TRIPLE LIP
P602299	-	-	-	-	-
P602300	-	5.500	7.500	0.563	-
P602301	CR24904	-	-	-	-
P602302	CR27394/CR531108/	2.750	3.756	0.250	SINGLE LIP
P602303	CR14975/CR530418-10/	1.500	2.332	0.390	SINGLE LIP
P602305	CR16322/	1.625	2.623	0.250	SINGLE LIP
P602306	CR29951	3.000	4.008	0.438	SINGLE LIP SPRING LOADED
P602307	CR30087	3.000	4.505	0.438	SINGLE LIP SPRING LOADED
P602308	CR20148	2.000	3.628	0.250	SINGLE LIP
P602309	CR25091	-	-	-	-
P602310	CR12437	-	-	-	-
P602311	CR17146	-	-	-	-
P602312	CR27394	-	-	-	-
P602313	CR18823	1.875	3.005	0.250	SINGLE LIP
P602314	CR38745	-	-	-	-
P602315	CR27362	2.750	3.756	0.438	DOUBLE LIP SPRING LOADED
P602316	-	-	-	-	-
P602317	-	-	-	-	-
P602318	CR17617	-	-	-	-
P602319	CR29968	3.000	4.008	0.250	SINGLE LIP

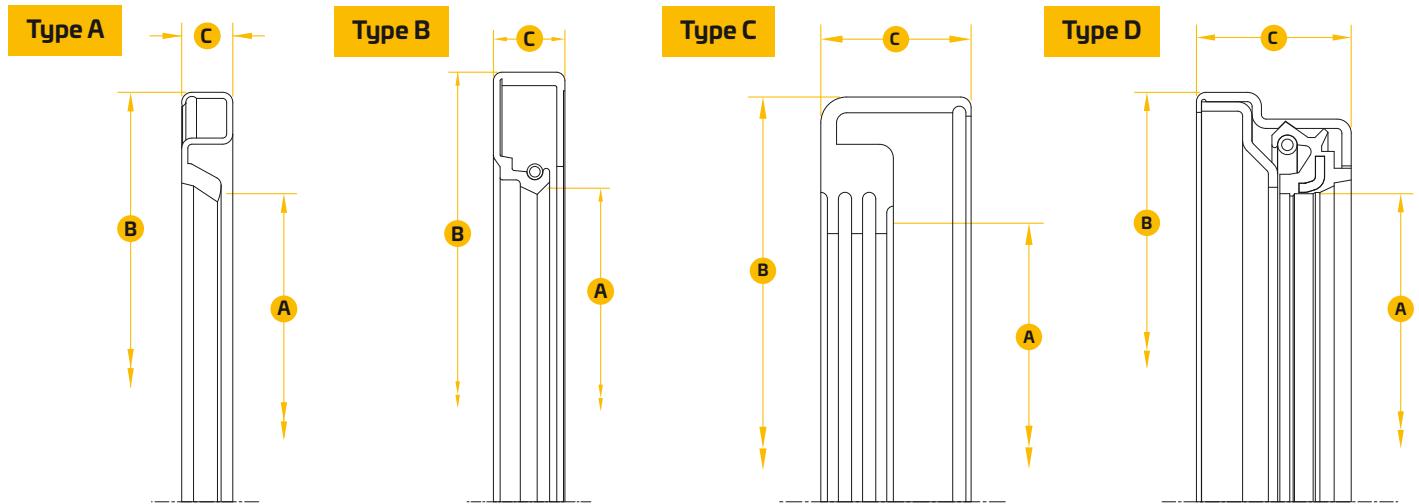
PART NO.	VENDOR NO.	DIM A	DIM B	DIM C	LIP STYLE
P602320	CR15174	-	-	-	-
P602322	TC203412VL/POS2003125VB	2.000	3.152	0.250	SINGLE LIP
P602323	-	6.500	8.750	0.090	GASKET
P602324	POS2253337TBN	2.250	3.376	0.375	DOUBLE LIP SPRING LOADED
P602325	TC253745TA	2.500	3.756	0.438	DOUBLE LIP SPRING LOADED
P602326	POS3756050SA	3.750	6.008	0.500	SINGLE LIP SPRING LOADED
P602327	CR518043	1.875	2.566	0.453	DOUBLE LIP
P602328	POSS508163SA-S	5.500	8.131	0.630	SINGLE LIP SPRING LOADED
P602329	TC	1.750	2.750	0.500	OIL BATH
P602330	-	3.031	3.150	0.059	O-RING
P602331	TC314178ST1-H	3.125	4.132	0.781	OIL BATH
P602332	POSS5007550TA/TC50755TA-H	5.000	7.508	0.500	DOUBLE LIP SPRING LOADED
P602333	POS4507550TA	4.500	7.509	0.500	DOUBLE LIP SPRING LOADED
P602334	TC456375TA-H	4.500	6.380	0.500	DOUBLE LIP SPRING LOADED
P602335	TC30373SB	3.000	3.756	0.375	SINGLE LIP SPRING LOADED
P602336	TC62855SA/POS6258550SA-S	6.250	8.508	0.500	SINGLE LIP SPRING LOADED
P602337	-	1.743	3.000	0.340	DUST COVER
P602338	-	2.750	3.875	0.093	GASKET
P602339	-	2.250	3.620	0.093	GASKET
P602340	TC324156UA	3.250	4.130	0.562	TRIPLE LIP
P602341	-	7.500	9.750	0.093	GASKET
P602342	TC25363TB-H	2.500	3.628	0.375	DOUBLE LIP SPRING LOADED
P602343	TC456005TA-H	4.500	6.008	0.500	DOUBLE LIP SPRING LOADED
P602344	TC30414TA-H	3.000	4.131	0.437	DOUBLE LIP SPRING LOADED
P602345	TC314150TF	3.125	4.137	0.500	RUBBER ENCASED DOUBLE LIP SPRING LOADED
P602346	ESP KSLY-300041250500-NCO	3.000	4.134	0.512	CARTRIDGE
P602347	TC28373TA	2.875	3.756	0.375	DOUBLE LIP SPRING LOADED
P602348	TC OB3145059	3.125	4.516	0.595	OIL BATH
P602349	-	3.750	5.750	0.059	GASKET
P602350	-	4.840	6.250	0.059	GASKET
P602351	TC OB354770	3.500	4.756	0.706	OIL BATH
P602352	CR43800	4.375	6.008	1.047	OIL BATH
P602353	TC43606ST34	4.375	6.016	0.625	OIL BATH
P602354	-	1.580	2.220	0.522	V-SEAL
P602355	-	3.475	3.895	0.21	O-RING
P602356	-	-	1.720	0.664	GROMMET
P602357	-	1.609	1.887	0.139	O-RING
P602358	-	1.221	1.536	0.295	V-SEAL
P602359	-	2.070	2.708	0.490	V-SEAL
P602360	-	0.864	1.004	0.070	O-RING
P602361	-	8.500	10.000	0.060	GASKET
P602362	ESP KSLY-275040030300-NCO	2.750	4.014	0.300	CARTRIDGE
P602363	ESP KSLY-225030610300-NCO	2.250	3.072	0.300	CARTRIDGE
P602364	ESP KSLY-275037500300-NCO	2.750	3.761	0.300	CARTRIDGE

Components

Seals

Seals – Technical Information

PART NO.	VENDOR NO.	DIM A	DIM B	DIM C	LIP STYLE
P602365	ESP KSLY-187530000313-NCO	1.875	3.011	0.313	CARTRIDGE
P602366	-	3.000	4.000	0.093	GASKET
P602367	-	3.425	3.701	0.138	O-RING
P602368	TC AFX 60 82 055/CR MVR2-60	2.362	3.228	0.295	AXIAL FACE
P602369	TC AFX 50 72 055/CR MVR2-50	1.969	2.835	0.295	AXIAL FACE
P602370	FEDERAL MOGUL 7230-S	3.750	5.381	0.750	TRIPLE LIP SINGLE LIP SPRING LOADED COMBINATION
P602371	-	2.090	2.630	0.488	V-SEAL
P602372	-	2.875	4.000	0.093	GASKET
P602373	-	2.364	2.504	0.070	O-RING
P602374	TC OB2233749	2.250	3.391	0.490	OIL BATH
P602375	-	2.609	2.887	0.139	O-RING
P602376	-	-	1.250	0.530	GROMMET
P602377	CR18889/CR531256/TC183152VH-H	1.875	3.155	0.250	SINGLE LIP
P602378	TC55836TA-H	5.500	8.3845	0.625	DOUBLE LIP SPRING LOADED
P602379	TCM 58X87X70VC	58	87	7	SINGLE LIP
P602380	TCM 37605SA	3.750	6.006	0.500	SINGLE LIP SPRING LOADED
P602381	ESP OS-10030	2.750	3.762	0.300	CARTRIDGE
P602382	ESP KSLY-162525620313-NCO	1.625	2.573	0.313	CARTRIDGE
P602383	TCM 42605SA	4.250	6.008	0.500	SINGLE LIP SPRING LOADED
P602384	-	5.000	6.375	0.060	GASKET
P602385	TCM 202744AP43	2.000	2.750	0.449	CARTRIDGE
P602386	-	2.243	3.500	0.281	DUST COVER
P602387	-	-	-	-	O-RING
P602388	TCM 550837622ST113	5.500	8.385	0.622	OIL BATH
P602389	-	6.625	8.625	0.094	GASKET
P602390	TCM 250375178ST1-H	2.500	3.759	0.781	OIL BATH
P602391	-	3.475	3.895	0.210	O-RING
P602392	TCM 30452VB-H	3.000	4.505	0.250	SINGLE LIP
P602393	-	-	-	-	SHIELD
P602394	TCM 122043TB-H	1.250	2.051	0.375	DOUBLE LIP SPRING LOADED
P602395	TCM 1220439KA12	1.250	2.054	0.394	DOUBLE LIP W/ SHIELD
P602396	-	4.750	6.250	0.079	GASKET
P602397	TCM 16232VH	1.625	2.378	0.250	SINGLE LIP
P602398	TCM 30452VH-H	3.000	4.508	0.250	SINGLE LIP
P602399	TCM 122062VH-H	1.250	2.066	0.250	SINGLE LIP
P602400	TCM 368605SA	3.688	6.007	0.500	SINGLE LIP SPRING LOADED
P602401	TCM 122029UA	1.250	2.005	0.290	TRIPLE LIP
P602402	CR 20079	2.000	3.155	0.374	SINGLE LIP SPRING LOADED
P602403	TCM 0B395310	3.938	5.380	1.016	OIL BATH
P602404	TCM 183152VH-H	1.875	3.156	0.250	SINGLE LIP
P602405	TCM 0B2838051	2.875	3.891	0.515	OIL BATH
P602406	-	7.500	8.563	0.060	GASKET
P602407	TCM 2843935TB-H/CR28425	2.844	3.945	0.500	DOUBLE LIP SPRING LOADED
P602408	-	1.739	1.879	0.070	O-RING



PART NO.	VENDOR NO.	DIM A	DIM B	DIM C	LIP STYLE
P602409	NATIONAL 370169A	3.500	4.761	0.605	OIL BATH
P602410	STEMCO 315-1504	4.614	5.875	0.735	SHIELD
P602411	STEMCO 320-2110	4.613	6.008	0.818	OIL BATH
P602412	CR 12407	1.250	1.983	0.250	SINGLE LIP
P602413	NONE	100MM	130MM	2MM	GASKET
P602414	TCM 15725760HAP301T	1.575	2.583	0.600	OIL BATH
P602415	TCM 42523TB-H	4.250	5.257	0.375	DOUBLE LIP SPRING LOADED
P602416	TCM 80X120X10TC	80MM	120MM	10MM	RUBBER ENCASED DOUBLE LIP SPRING LOADED
P602417	TCM 100X130X100TB	100MM	130MM	10MM	DOUBLE LIP SPRING LOADED
P602418	TCM 1622563TB-H	1.625	2.567	0.375	DOUBLE LIP SPRING LOADED
P602419	TCM 50X60X8TC	50MM	60MM	8MM	RUBBER ENCASED DOUBLE LIP SPRING LOADED

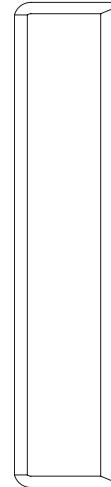
Components

Wear Sleeves

Wear Sleeve – Technical Information

PART NO.	DESCRIPTION
P912901	WEARSLEEVE CR B107175
P912902	WEARSLEEVE JV-1166
P912903	WEARSLEEVE CR MOD 826
P912904	WEARSLEEVE CR 086585
P912905	WEARSLEEVE CR 079941
P912906	WEARSLEEVE – NILOS RINGE #25590
P912907	WEARSLEEVE 2.570
P912909	WEARSLEEVE CR 79941
P912912	TRACK SEAL RING
P912913	WEAR SLEEVE
P912914	WEARSLEEVE CR B107175 ONLY

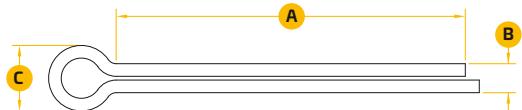
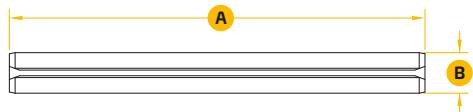
Wear Sleeve



Cotter Pins

Cotter Pins – Technical Information

PART NO.	TYPE	NOM. SIZE	DIM A	DIM B	DIM C
P401901	COTTER	5/32	1.750	0.150	0.310
P401902	COTTER	7/32	1.750	0.207	0.440
P401903	COTTER	3/16	1.500	0.176	0.380
P401904	COTTER	7/32	2.000	0.207	0.440
P401905	COTTER	5/32	1.250	0.150	0.310
P401906	COTTER	3/8	2.250	0.330	0.750
P401907	COTTER	3/16	1.312	0.179	0.403
P401909	COTTER	5/32	2.500	0.150	0.310
P401910	COTTER	7/32	2.250	0.207	0.440
P401911	COTTER	7/32	2.000	0.176	0.380
P401912	COTTER	5/32	2.000	0.125	0.200
P401913	COTTER	9/32	2.000	0.225	0.500
P401914	COTTER	3/8	3.500	0.330	0.880
P401915	COTTER	5/32	1.000	0.150	0.310
P401916	COTTER	1/8	1.500	0.120	0.250
P401917	SPRING	3/8	3.000	0.375	-
P401928	COTTER	5/16	4.000	0.312	0.680
P401929	COTTER	7/32	3.000	0.218	0.510
P401930	COTTER	5MM	50MM	5MM	8MM
P401931	SPRING	1/4	1125	0.261	-
P401932	COTTER	3/8	4.000	0.332	0.750
P401933	SPRING	3/8	4.000	0.395	-
P401934	COTTER	5/32	1.500	0.150	0.310
P401935	COTTER	1/4	2.000	2.225	0.500
P401936	COTTER	1/8	2.000	0.120	0.250
P401937	COTTER	3/16	2.000	0.176	0.380
P401938	SPRING	3/16	1.500	0.199	-
P401939	SPRING	1/4	1500	0.264	-
P401940	COTTER	5MM	50MM	5MM	8MM
P401941	COTTER	1/8	1.000	0.120	0.250
P401942	SPRING	3/8	2.500	0.395	-
P401943	COTTER	5/16	3.000	0.280	0.620
P401944	SPRING	5/16	2.500	0.330	-
P401945	SPRING	5/32	1.000	0.167	-
P401946	SPRING	3/8	3.500	0.395	-
P401947	SPRING	5/32	1.500	0.167	-
P401948	COTTER	3.2MM	50MM	2.9MM	5.8MM
P401949	SPRING	8MM	70MM	8.8MM	-
P401950	COTTER	6.3MM	71MM	6.3MM	11.8MM
P401951	SPRING	1/4	2.000	0.261	-

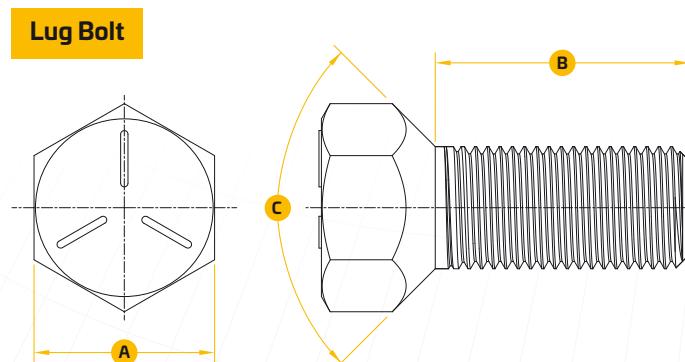
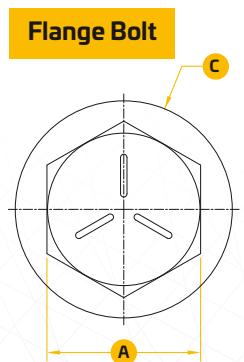
Cotter Pins**Spring Pins**

Components

Wheel Bolts

Wheel Bolts – Technical Information

PART NO.	DESCRIPTION	THREAD (IN)	A (IN)	B (IN)	C	PLATING	GRADE
P101301	LUG BOLT	1/2-20UNF	0.750	1.000	90°	ZINC	5
P101302	LUG BOLT	1/2-20UNF	0.938	0.906	60°	ZINC	5
P101303	LUG BOLT	9/16-18UNF	0.875	1.125	90°	ZINC	5
P101304	LUG BOLT	5/8-18UNF	0.938	1.375	90°	ZINC	5
P101305	LUG BOLT	9/16-18UNF	0.875	1.500	90°	ZINC	5
P101307	LUG BOLT	1/2-20UNF	0.812	1.750	90°	ZINC	5
P101308	LUG BOLT	1/2-20UNF	0.812	1.250	90°	ZINC	5
P101314	LUG BOLT	1/2-20UNF	0.750	1.000	90°	ZINC & YELLOW	5
P101319	LUG BOLT	5/8-18UNF	0.938	1.375	90°	BLACK PHOSPHATE	5
P101321	FLANGE BOLT	1/2-20UNF	0.750	1.250	01.062	ZINC	5
P101322	LUG BOLT	7/16-20UNF	0.625	0.750	75°	ZINC	5
P101325	LUG BOLT	1/2-20UNF	0.812	1.250	90°	ZINC & YELLOW	5
P101327	LUG BOLT	1/2-20UNF	0.750	1.375	90°	ZINC	5
P101329	LUG BOLT	9/16-18UNF	0.875	2.000	90°	ZINC	5
P101330	LUG BOLT	1/2-20UNF	0.812	1.000	90°	ZINC	5
P101331	LUG BOLT	5/8-18UNF	0.938	1.750	90°	BLACK OXIDE	5
P101332	LUG BOLT	9/16-18UNF	0.875	1.500	90°	ZINC & YELLOW	5
P101335	LUG BOLT	9/16-18UNF	0.875	1.000	90°	ZINC & YELLOW	5
P101336	LUG BOLT	1/2-20UNF	0.812	0.750	90°	ZINC	5
P101337	LUG BOLT	M20 X 2.5	30	85	-	PHOSPHATE	10.9
P101338	LUG BOLT	9/16-18UNF	0.875	1.125	90°	ZINC	5
P101339	HEX BOLT	1/2-20UNF	0.812	1.000	90°	ZINC	5
P101340	LUG BOLT	9/16-18UNF	0.875	1.250	90°	ZINC	5
P101341	LUG BOLT	5/8-18UNF	0.938	3.000	90°	ZINC	5
P101342	LUG BOLT	1/2-20UNF	0.750	1.270	90°	ZINC	5
P101343	LUG BOLT	3/8-16 UNC	0.562	0.750	90°	ZINC	5
P101344	LUG BOLT	1/2-20UNF	0.812	1.000	90°	ZINC	5

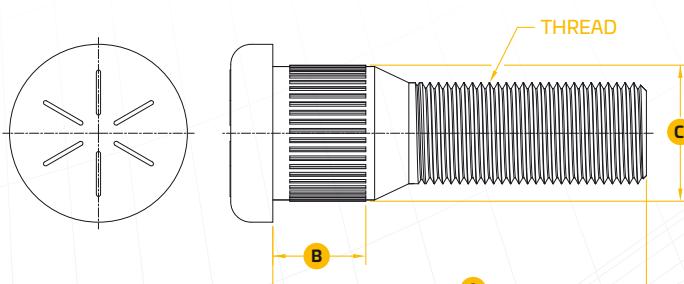


Stud Bolts

Stud Bolts – Technical Information

PART NO.	THREAD (IN)	A (IN)	B (IN)	C (IN)	PLATING	GRADE	PART NO.	THREAD (IN)	A (IN)	B (IN)	C (IN)	PLATING	GRADE
P151401	1/2-20UNF	1.875	0.360	0.615	N/A	5	P151439	5/8-18UNF	2.500	0.840	0.682	N/A	8
P151402	5/8-18UNF	2.250	0.562	0.682	N/A	5	P151440	5/8-18UNF	2.250	0.562	0.682	ZINC & YELLOW	5
P151403	9/16-18UNF	2.125	0.720	0.615	N/A	5	P151441	3/4-16UNF	2.437	1.079	0.821	N/A	8
P151404	1/2-20UNF	1.875	0.750	0.615	N/A	5	P151443	3/4-16UNF	3.875	0.560	1.015	BLACK OXIDE	8
P151407	5/8-18UNF	2.500	0.870	0.682	N/A	8	P151445	3/4-16UNF	3.875	0.560	1.015	ZINC & YELLOW	8
P151408	7/16-20UNF	1.375	0.390	0.484	N/A	5	P151446	5/8-18UNF	2.500	0.840	0.682	ZINC & YELLOW	8
P151409	3/4-16UNF	2.750	0.750	1.006	N/A	8	P151447	1/2-20UNF	1.875	0.560	0.540	ZINC & YELLOW	5
P151411	7/16-20UNF	1.875	0.750	0.484	N/A	5	P151448	1/2-20UNF	1.875	0.360	0.615	N/A	5
P151414	9/16-18UNF	2.500	1.095	0.615	N/A	5	P151449	1/2-20UNF	1.875	0.560	0.615	N/A	5
P151416	9/16-18UNF	2.125	0.720	0.615	ZINC	5	P151450	M22 X 15	4.000	0.414	0.952	PHOS & OIL	10.9
P151418	1/2-20UNF	1.875	0.360	0.615	ZINC & YELLOW	5	P151451	5/8-18UNF	2.500	0.870	0.682	ZINC & YELLOW	8
P151420	1/2-20UNF	1.625	0.360	0.615	N/A	5	P151455	3/4-16UNF	2.880	0.550	0.815	BLACK OXIDE	8
P151421	1/2-20UNF	1.875	0.560	0.615	ZINC & YELLOW	5	P151456	9/16-18UNF	1.880	0.600	0.615	N/A	8
P151422	1/2-20UNF	1.875	0.560	0.540	ZINC	5	P151457	5/8-18UNF	2.250	0.560	0.682	ZINC	5
P151423	1/2-20UNF	1.875	0.560	0.540	N/A	5	P151458	1/2-20UNF	1.875	0.560	0.615	ZINC	5
P151424	1/2-20UNF	1.875	0.360	0.615	ZINC	5	P151460	1/2-20UNF	1.875	0.560	0.615	ZINC	8
P151425	1/2-20UNF	1.812	0.570	0.540	N/A	5	P151461	1/2-20UNF	1.875	0.560	0.615	ZINC	10.9
P151426	1/2-20UNF	2.125	0.360	0.615	N/A	5	P151464	5/8-18UNF	2.750	0.870	0.682	N/A	8
P151427	1/2-20UNF	2.125	0.500	0.615	ZINC	5	P151465	5/8-18UNF	2.250	0.870	0.682	N/A	5
P151428	1/2-20UNF	2.125	0.560	0.540	ZINC	5	P151467	9/16-18UNF	2.250	0.560	0.615	PHOS & OIL	8
P151429	1/2-20UNF	2.125	0.560	0.540	N/A	5	P151469	1/2-20UNF	1.875	0.560	0.615	PHOS & OIL	8
P151430	1/2-20UNF	2.125	0.360	0.615	ZINC & YELLOW	5	P151470	1/2-20UNF	2.125			ZINC & YELLOW	8
P151431	9/16-18UNF	2.125	0.720	0.615	ZINC	8	P151472	M22 X 15	3.690	0.680	1.015	PHOS & OIL	10.9
P151432	9/16-18UNF	2.250	0.560	0.615	ZINC & YELLOW	8	P151473	M16 X 2	2.550	0.735	0.690	ZINC & YELLOW	10.9
P151433	9/16-18UNF	2.312	0.812	0.615	N/A	5	P151474	M20X1.5	3.230	0.590	0.864	PHOS & OIL	10.9
P151434	5/8-18UNF	2.500	0.840	0.682	N/A	8	P151475	3/4-16UNF	2.750	0.750	1.006	ZINC & YELLOW	8
P151435	3/4-16UNF	2.750	0.820	0.815	BLACK OXIDE	8	P151476	9/16-18UNF	2.125	0.720	0.615	ZINC & YELLOW	5
P151436	5/8-18UNF	2.250	0.560	0.682	ZINC & YELLOW	5	P151477	M18 X 1.5	2.780	0.590	0.864	PHOS & OIL	10.9
P151437	5/8-18UNF	2.375	0.720	0.688	ZINC & YELLOW	8	P151478	M20X1.5	3.560	1.070	0.827	PHOS & OIL	10.9
P151438	1/2-20UNF	1.875	0.360	0.615	N/A	5	P151479	M22 X 1.5	4.650	0.730	0.950	PHOS & OIL	10.9
							P151480	3/4-16UNF	3.375	1.060	0.815	PHOS & OIL	10.9
							P151481	M22 X 1.5	3.031	0.728	0.906	BLACK OXIDE	10.9
							P151482	1/2-20UNF	2.125	0.560	0.615	ZINC & YELLOW	8
							P151483	M14X1.5	1.787	0.401	0.625	ZINC TRIVALENT	10.9
							P151484	M22 X 1.5	5.270	0.795	1.015	PHOS & OIL	10.9
							P151485	M16X1.5	2.500	0.870	0.682	ZINC & YELLOW	10.9
							P151486	5/8-18UNF	2.250	0.562	0.682	PHOS & OIL	8
							P151487	3/8-16UNC	1.300	0.490	0.390		
							P151488	M22 X 1.5	4.134	1.370	0.952	PHOS & OIL	10.9
							P151489	3/8-16UNC	1.250	0.500	0.391	BLACK OXIDE	5
							P151490	1/2-20UNF	1.875	0.559	0.615	PHOS & OIL	8
							P151491	1/2-20UNF	2.125	0.560	0.615	ZINC	8
							P151492	7/8-14UNF	4.134	1.370	0.952	PHOS & OIL	8
							P151493	M22 X 1.5	5.610	0.675	1.005	PHOS & OIL	10.9
							P151494	M22 X 1.5	4.094	0.820	0.952	PHOS & OIL	10.9

Stud Bolt



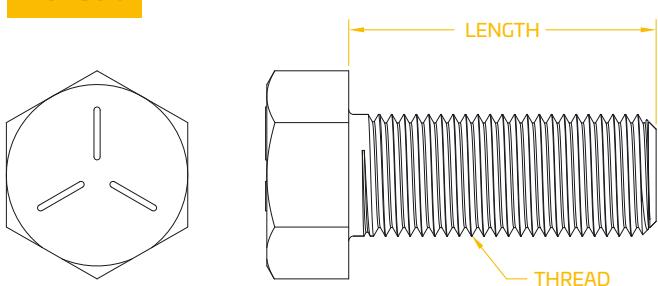
Components

Hex Bolts

Hex Bolts – Technical Information

PART NO.	BOLT TYPE	THREAD SIZE	BOLT LENGTH	GRADE	PLATING
P943301	HEX BOLT	1/2-20 UNF	1.000	5	ZINC
P943302	HEX BOLT	1/2-13 UNC	1.000	5	ZINC
P943303	HEX BOLT	5/16-18 UNC	0.500	5	ZINC
P943304	HEX BOLT	5/16-18 UNC	1.250	8	-
P943305	HEX BOLT	5/16-18 UNC	0.875	8	YELLOW CHROMATE
P943306	COACH BOLT	M16X1.5	58MM	-	SEE PRINT
P943307	COACH BOLT	M16X2	100MM	-	SEE PRINT
P943309	COACH BOLT	M16X2	74MM	10.9	SEE PRINT
P943310	COACH BOLT	M16X2	78MM	8.8	SEE PRINT
P943311	COACH BOLT	M16X2	121MM	-	SEE PRINT
P943312	HEX BOLT	5/16-18 UNC	0.750	-	-
P943313	HEX BOLT	5/8-11 UNC	3.500	5	ZINC
P943314	HEX BOLT	3/8-16 UNC	0.750	8	-
P943315	HEX BOLT	1/4-20 UNC	0.625	-	ZINC
P943317	HEX BOLT	5/16-18 UNC	0.750	-	-
P943318	HEX BOLT	3/8-16 UNC	1.500	-	-
P943319	HEX BOLT	M8X1.25	16MM	-	-
P943320	HEX BOLT	1/2-20 UNF	1.250	5	ZINC
P943321	HEX BOLT	M10X1.5	85MM	8.8	YELLOW CHROMATE
P943326	HEX BOLT	3/8-16 UNC	1.000	5	YELLOW CHROMATE
P943327	DUAL BOLT	3/4-10 UNC	-	-	-
P943328	COACH BOLT	M16X2	50MM	-	SEE PRINT
P943329	HEX BOLT	M10X1.5	110MM	10.9	ZINC
P943330	COACH BOLT	M16X1.5	100MM	10.9	ZINC
P943331	HEX BOLT	3/8-16 UNC	2.000	5	ZINC
P943332	HEX BOLT	5/8-11 UNC	3.500	5	ZINC
P943333	HEX BOLT	3/4-10 UNC	3.750	5	ZINC
P943334	HEX BOLT	7/16-14 UNC	2.000	5	ZINC
P943335	HEX BOLT	3/4-10 UNC	1.500	5	ZINC
P943336	HEX BOLT	1/2-13 UNC	2.000	5	ZINC
P943337	HEX BOLT	3/4-16 UNF	0.875	5	ZINC
P943338	HEX BOLT	5/8-18 UNF	1.125	5	ZINC
P943339	THD ROD	3/4-16 UNF	10.625	B7	-
P943340	SHOULDER	3/8-16 UNC	1.313	-	ZINC
P943341	FLANGE BOLT	M10X1.5	120MM	10.9	YELLOW CHROMATE
P943342	SET SCREW	3/8-16 UNC	0.625	-	-
P943343	HEX BOLT	1/2-20 UNF	1.500	8	ZINC
P943344	HEX BOLT	3/4-16 UNF	2.000	5	ZINC
P943345	HEX BOLT	5/16-18 UNC	1.000	5	ZINC
P943346	HEX BOLT	5/8-18 UNF	1.500	5	ZINC
P943347	HEX BOLT	5/8-18 UNF	9.750	5	ZINC
P943348	HEX BOLT	5/8-18 UNF	2.250	8	ZINC
P943349	-	3/4-16 UNF	10.625	-	-
P943350	HEX BOLT	1-14 UNS	2.500	5	ZINC

Hex Bolt



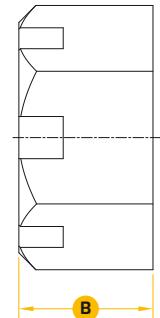
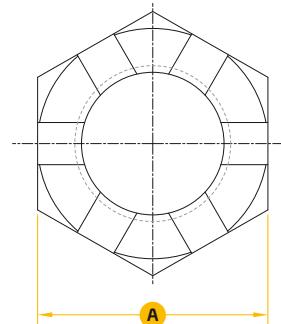
PART NO.	BOLT TYPE	THREAD SIZE	BOLT LENGTH	GRADE	PLATING
P943351	HEX BOLT	3/4-16 UNF	10.000	5	ZINC
P943352	HEX BOLT	M16X2	130.000	8.8	ZINC
P943353	HEX BOLT	M12X1.75	30.000	8.8	ZINC
P943354	HEX BOLT	3/4-16 UNF	3.000	8	ZINC
P943355	HEX BOLT	5/16-18 UNC	0.750	5	ZINC
P943356	HEX BOLT	3/4-10 UNC	2.000	5	ZINC
P943357	SET SCREW	1/4-20 UNC	0.375	-	ZINC
P943358	SET SCREW	-	-	-	-
P943359	12 PT BOLT	1/2-13 UNC	2.500	8	-
P943360	HEX BOLT	1/2-20 UNF	1.250	5	YELLOW CHROMATE
P943361	HEX BOLT	M12X1.75	2.760	10.9	YELLOW CHROMATE
P943362	HEX BOLT	1/2-20 UNF	2.000	8	ZINC
P943363	HEX BOLT	1/2-20 UNF	3.250	8	ZINC
P943364	HEX BOLT	M8X1.25	85.000	8.8	YELLOW CHROMATE
P943365	HEX BOLT	1/2-20 UNF	1.750	8	YELLOW CHROMATE
P943366	HEX BOLT	1/4-28 UNF	0.625	5	ZINC
P943367	HEX BOLT	M12X1.75	220MM	10.9	YELLOW CHROMATE
P943368	HEX BOLT	1-14 UNS	8.000	8	YELLOW CHROMATE
P943369	HEX BOLT	M10X1.5	120MM	10.9	ZINC
P943370	HEX BOLT	M10X1.5	90MM	8.8	ZINC
P943371	HEX BOLT	M8X1.25	90MM	8.8	ZINC
P943372	SPECIAL	5/8-11 UNC	3.000	5	ZINC
P943373	SCREW	3/8-16 UNC	0.875	-	BLACK OXIDE
P943374	HEX BOLT	1/2-20 UNF	4.500	8	YELLOW CHROMATE
P943375	SCREW	5/16-18 UNC	0.750	-	BLACK OXIDE
P943376	HEX BOLT	1/2-20 UNF	3.000	8	ZINC
P943377	SCREW	M6X1	16	-	ZINC
P943378	COACH BOLT	M16X1.5	80MM	-	JDM F13H
P943379	SCREW	8-32 UNC	0.438	-	BLACK OXIDE
P943380	SCREW	1/4-20 UNC	0.625	-	ZINC
P943381	HEX BOLT	3/8-24 UNF	1.000	5	ZINC
P943382	COACH BOLT	M16X1.5	63MM	-	JDM F13H

Spindle Nuts

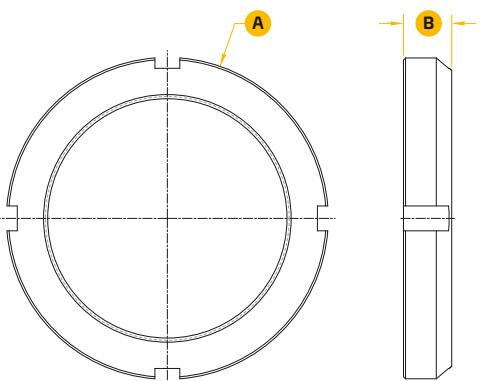
Spindle Nuts – Technical Informationn

PART NO.	THREAD SIZE	DIMENSIONS	STYLE	DIM A	DIM B	GRADE	FINISH
P251701	5/8-18 UNF	15/16" X 9/16"	SLOTTED	0.937	0.547	2	PLAIN
P251702	11/4-12UNF	1-7/8" X 1-3/32"	SLOTTED	1.875	1.094	2	PLAIN
P251703	3/4-16 UNF	1-1/8" X 21/32"	SLOTTED	1.125	0.625	2	PLAIN
P251706	1-14 UNS	1-1/2" X 7/8"	SLOTTED	1.500	0.875	2	PLAIN
P251707	11/4-12UNF	1-7/8" X 1-3/32"	HEX	1.875	1.063	2	PLAIN
P251708	11/8-12 UNF	1-11/16" X 1"	SLOTTED	1.688	0.999	2	PLAIN
P251710	11/4-12UNF	1-7/8" X 3/4"	JAM	1.875	0.750	-	-
P251711	13/4-12UN	2-3/4" X 1-1/4"	SLOTTED	2.750	1.250	2	PLAIN
P251712	3/4-16 UNF	1-1/8" X 27/64"	SLOTTED	1.125	0.422	5	PLAIN
P251714	1-14 UNS	1-1/2" X 7/8"	SLOTTED	1.500	0.875	5	ZINC
P251715	7/8-14 UNF	1-5/16" X 31/64"	SLOTTED	1.312	0.484	2	PLAIN
P251717	11/8-12 UNF	1-11/16" X 1"	SLOTTED	1.688	0.999	5	PLAIN
P251719	1-14 UNS	1-1/2" X 9/16"	SLOTTED	1.500	0.563	2	PLAIN
P251720	11/2-12 UNF	2-3/16" X 1-1/4"	SLOTTED	2.187	1.250	2	PLAIN
P251721	7/8-14 UNF	1-5/16" X 3/4"	SLOTTED	1.312	0.750	2	PLAIN
P251722	11/4-12UNF	1-7/8" X 1-1/4"	SLOTTED	1.875	1.250	5	PLAIN
P251723	2-12 UN	3-1/8" X 1-1/4"	SLOTTED	3.125	1.250	5	PLAIN
P251724	11/4-12UNF	1-7/8" X 3/4"	JAM	1.875	0.751	2	PLAIN
P251725	1-14 UNS	1-7/16" X 9/16"	12-SLOTTED	1.438	0.625	2	PLAIN
P251727	2-12 UN	2-15/16" X 1-1/8"	SLOTTED	3.000	1.125	5	PLAIN
P251728	13/4-12UN	2.75 X .875	JAM	2.750	1.000	2	ZINC & YELLOW
P251729	13/4-12UN	2.75 X .875	JAM	2.750	0.875	2	ZINC & YELLOW
P251730	13/4-12UN	2.75 X .875	JAM	2.750	0.875	-	-
P251731	13/4-12UN	2.75 X .875	JAM	2.750	0.875	2	PLAIN
P251732	11/2-6 UNC	2-1/4" X 1-1/4"	HEX	2.250	1.250	2	PLAIN
P251733	2-1/2-12 UN	3.75 X 1.187	SLOTTED	3.750	1.188	5	PLAIN
P251734	1-14 UNS	1.50 X .875	SLOTTED	1.500	0.875	5	PLAIN
P251735	1-14 UNS	1.50 X .875	SLOTTED	1.500	0.875	5	ZINC & YELLOW
P251736	5/8-18 UNF	15/16 X .9/16	SLOTTED	0.938	0.563	5	ZINC
P251737	7/8-14 UNF	1-5/16" X 3/4"	SLOTTED	1.312	0.750	5	ZINC
P251738	13/8-12UNF	2" X 25/32"	SLOTTED	2.000	0.781	2	PLAIN
P251739	1.173-18	1.750 DIA	BEARING	-	0.416	-	ZINC
P251740	11/4-12 UNF	1-7/8" X 3/4"	JAM	1.875	0.750	5	ZINC
P251741	3.527-12	4.656 DIA	BEARING	4.656	0.698	-	ZINC
P251742	3-12 UN	4-5/8" X 175"	JAM	4.625	1.763	5	ZINC
P251743	11/2-12 UNF	2-1/2" X 7/8"	JAM	2.500	0.880	5	ZINC
P251744	3"-12 ANSF	4.528 DIA	BEARING	-	1.815	-	BLACK OXIDE
P251745	3/4-16 UNF	1-1/8 X .665	SLOTTED	1.125	0.665	5	ZINC & YELLOW
P251746	11/2-12 UNF	2-1/4" X 7/8"	HEX	2.250	0.880	5	ZINC & YELLOW
P251747	1-14 UNS	1-1/2 X .887	SLOTTED	1.500	0.887	5	ZINC & YELLOW
P251748	11/8-12 UNF	1-11/16" X 1"	SLOTTED	1.688	0.999	5	ZINC & YELLOW
P251749	2-12 UN	3-1/8 X 1-1/8	JAM	3.125	1.169	5	ZINC & YELLOW
P251750	130X12	.0650 X 1.417	BEARING	6.500	1.417	-	BLACK OXIDE
P251751	11/4-12 UNF	1-7/8" X 1-3/32"	SLOTTED	1.875	1.094	5	PLAIN
P251752	2.548-18	3.375 DIA	BEARING	3.375	0.573	-	ZINC

Hex & Slotted Hex Nuts



Bearing Lock Nuts



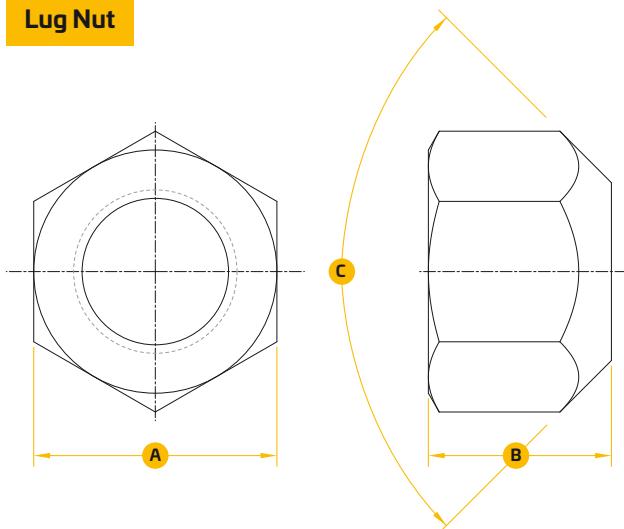
PART NO.	THREAD SIZE	DIMENSIONS	STYLE	DIM A	DIM B	GRADE	FINISH
P251753	13/4-12UN	2.75 X .875	JAM	2.750	1.000	5	ZINC
P251754	11/2-12 UNF	2-1/2" X 7/8"	JAM	2.500	0.880	5	BLACK OXIDE
P251755	11/2-12 UNF	2-1/2" X 7/8"	JAM	2.500	0.880	5	BLACK OXIDE
P251756	11/2-12 UNF	2-1/4" X 7/8"	JAM	2.250	0.880	2	PLAIN
P251757	1-14 UNS	150 X .875	SLOTTED	1.500	0.875	5	ZINC
P251758	1-14 UNS	1-1/2" X 9/16"	SLOTTED	1.500	0.563	5	ZINC
P251759	5.106-12	.0675 X .885	BEARING	6.750	0.885	-	ZINC
P251760	11/2-12 UNF	2-1/4" X 1-9/32"	SLOTTED	2.250	1.317	5	PLAIN
P251761	3-1/4"-12 UNF	.0525 X .875	BEARING	5.250	0.875	-	ZINC
P251762	11/2-12 UNF	.03375 X .875	BEARING	3.375	0.875	-	ZINC
P251763	2-5/8"-12 UNF	.04200 X .858	BEARING	4.200	0.858	-	ZINC
P251764	3/4-16 UNF	1-1/8 X .665	SLOTTED	1.125	0.665	5	ZINC
P251765	M42X1.5	.65 X 19.05 MM	12-SLOTTED	65	0.750	10	PLAIN
P251766	11/4-12 UNF	1-7/8" X 3/4"	SLOTTED	1.875	0.751	5	PLAIN

Wheel Nuts

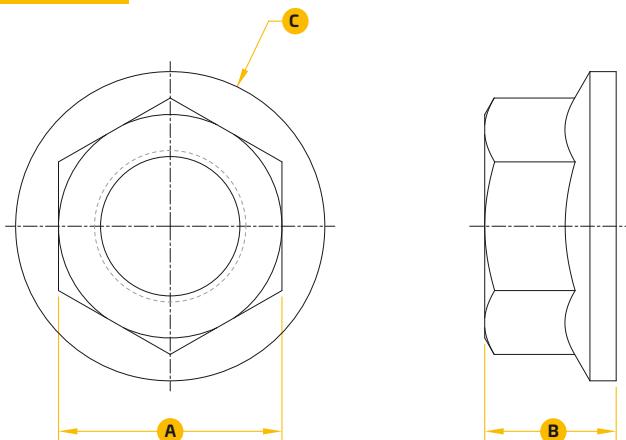
Wheel Nuts – Technical Information

PART NO.	STYLE	THREAD SIZE	DIM A	DIM B	DIM C	GRADE	PLATING
P201601	WHEEL	5/8-18UNF	15/16	11/16	90°	2	ZINC
P201602	WHEEL	1/2-20UNF	13/16	5/8	90°	5	ZINC
P201603	WHEEL	1/2-20UNF	13/16	5/8	60°	2	ZINC
P201604	WHEEL	9/16-18UNF	1	11/16	90°	2	ZINC
P201607	WHEEL	5/8-18UNF	1-1/16	27/32	90°	5	ZINC
P201608	BUDD	3/4-16UNF	1-1/2	7/8	SR0.875	-	ZINC
P201609	HEX	M16X1.5	24MM	13MM	-	10.9	ZINC
P201610	HEX	M16X2	24MM	13MM	-	10.9	ZINC
P201612	FLANGE	3/4-16UNF	1-1/8	21/32	Ø1-1/2	8	ZINC & YELLOW
P201613	HEX	11/2-12UNF	21/4	7/8	-	8	ZINC & YELLOW
P201629	FLANGE	1/2-13UNF	3/4	7/16	Ø1-1/32	2	ZINC
P201630	FLANGE	3/4-16UNF	1-1/8	21/32	Ø1-1/2	5	ZINC
P201632	FLANGE	5/8-18UNF	15/16	9/16	Ø1-1/4	5	ZINC
P201633	-	5/8-11UNC	-	-	-	-	ZINC
P201634	FLANGE	5/8-18UNF	15/16	1/2	Ø1-1/4	5	ZINC
P201636	HEX	3/4-16UNF	1-1/8	41/64	-	8	YELLOW CHROMATE
P201638	HEX	1/2-20UNF	3/4	7/16	-	2	ZINC
P201641	WHEEL	3/4-16UNF	1-1/4	1	90°	2	ZINC
P201642	HEX	9/16-18UNF	11/16	3/8	-	2	ZINC
P201644	FLANGE	9/16-18UNF	1-1/16	1-1/32	Ø1-5/8	-	ZINC
P201647	WHEEL	5/8-18UNF	15/16	23/32	90°	5	ZINC & YELLOW
P201652	WHEEL	9/16-18UNF	7/8	11/16	90°	5	ZINC & YELLOW
P201653	WHEEL	9/16-18UNF	1	11/16	90°	5	ZINC & YELLOW
P201654	FLANGE	5/8-18UNF	15/16	41/64	Ø1-23/64	8	ZINC & YELLOW
P201655	FLANGE	M22 X 15	1-9/32	1-3/16	1-51/64	8	PTFE COATING PER M-F #5557
P201657	FLANGE	M10 X 15	.590	.530	0.86	10.9	ZINC & YELLOW
P201658	FLANGE	M16X1.5	24	16	34.5	8	ZINC & YELLOW
P201659	HEX	9/16-18UNF	7/8	31/64	-	5	ZINC & YELLOW
P201666	HEX	3/4-16UNF	1063	1160	-	-	ZINC
P201667	HEX	5/8-18UNF	.938	.559	-	5	ZINC
P201669	WHEEL	1/2-20UNF	13/16	5/8	90°	5	ZINC & YELLOW
P201670	HEX	M16X2	24	16	-	8	ZINC
P201671	FLANGE	1/2-20UNF	3/4	7/16	Ø1-1/32	5	ZINC
P201672	HEX	M10X1.5	17	10	-	8.8	ZINC & YELLOW
P201673	FLANGE	9/16-18UNF	.875	506	Ø1-3/16	8	ZINC
P201674	FLANGE	M16X2	24	16	Ø34.5	8.8	ZINC
P201675	FLANGE	M8X1.25	13	8	Ø17.9	10.9	ZINC & YELLOW
P201676	WHEEL	5/8-18UNF	1-1/16	27/32	90°	5	ZINC & YELLOW
P201677	FLANGE	M20X1.5	30	27	Ø45	10.9	TS-5A
P201678	FLANGE	3/4-16UNF	1-1/8	21/32	Ø1-1/2	8	ZINC
P201679	HEX	M12X1.75	19	10	-	10	ZINC & YELLOW
P201680	HEX	1"-14 UNS	1-1/2	55/64	-	8	ZINC & YELLOW
P201681	FLANGE	M10X1.5	15	13.5	Ø21.8	10	ZINC
P201682	HEX	M10X1.5	16	11.9	-	10	ZINC
P201683	FLANGE	M8X1.25	13	8	Ø17.9	10.9	ZINC
P201685	FLANGE	M22 X 15	30	23	36	10.9	PTFE COATING PER M-F #5557
P201686	WHEEL	9/16-18UNF	1	11/16	90°	5	ZINC
P201687	HEX	5/8-11UNC	15/16	35/64	-	5	ZINC
P201688	FLANGE	9/16-18UNF	1-1/16	1	1.612	8	PTFE COATING PER M-F #5557

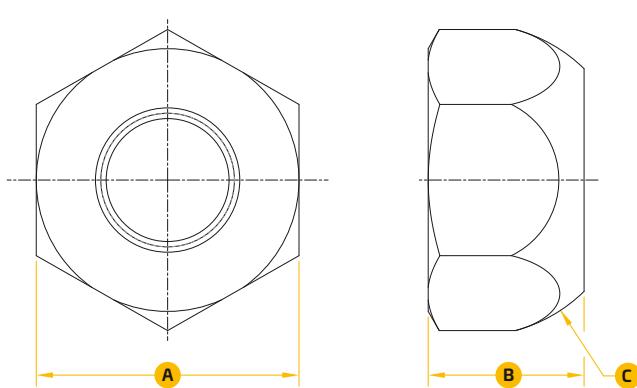
Lug Nut



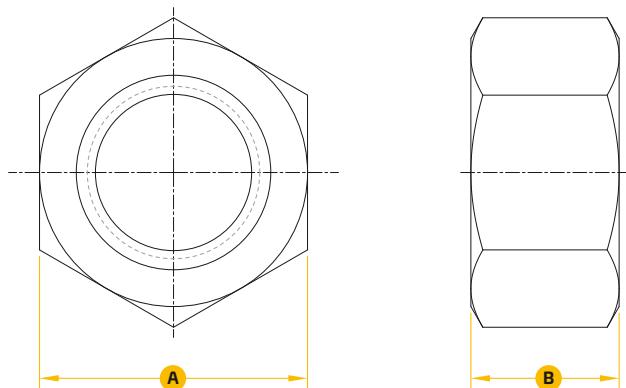
Flange Nut



Budd Nut



Hex Nut



PART NO.	STYLE	THREAD SIZE	DIM A	DIM B	DIM C	GRADE	PLATING
P201689	FLANGE	5/8-18UNF	1-1/16	7/8	1.51	8	PHOS & OIL
P201690	WHEEL	M16X1.5	1-1/16	27/32	90°	8	ZINC & YELLOW
P201691	FLANGE	M16X1.5	24	16	34.5	10	ZINC & YELLOW
P201692	FLANGE	3/4-16UNF	1-1/2	7/8	1.827	8	PHOS & OIL
P201693	FLANGE	1/2-20UNF	3/4	7/16	1	8	ZINC
P201694	FLANGE	M18X1.5	24	18	29	10	ZINC
P201695	HEX	1/2-20UNF	3/4	.594	-	5	ZINC
P201696	FLANGE	7/8-14UNF	46.5	22.5	33.32	10	PHOS & OIL
P201697	HEX	M16X1.5	24MM	16MM	-	8	GEOMET 500A
P201698	WHEEL	1/2-20UNF	3/4	9/16	60°	5	ZINC
P201699	HEX	1/4-20UNC	7/16	7/32	-	5	ZINC
P201700	LOCK	3/8-24UNF	9/16	25/64	0.656	-	ZINC
P201701	LOCK	1/4-20UNC	7/16	15/64	0.5	-	ZINC

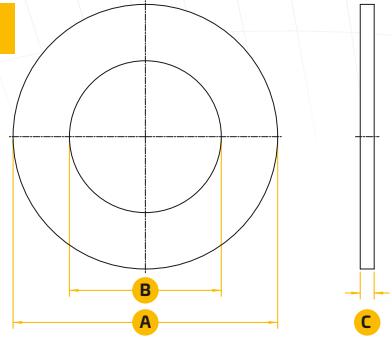
Components

Spindle Washer

Spindle Washers

Spindle Washers – Technical Information

PART NO.	DESCRIPTION	DIM A	DIM B	DIM C	GRADE	HEAT TREAT	FINISH
P301801	1.312" O.D. X 0.656" I.D. X 0.093	1.312	0.656	0.093	1008 - 1010	N/A	PLAIN
P301802	1.5" O.D. X 0.812" I.D. X 0.134	1.500	0.812	0.134	1008 - 1010	N/A	PLAIN
P301803	2" O.D. X 0.812" I.D. X 0.148	2.000	0.812	0.148	1045	38-45 RC	PLAIN
P301804	2" O.D. X 0.937" I.D. X 0.164	2.000	0.937	0.164	1008 - 1033	N/A	PLAIN
P301805	2" O.D. X 1.062" I.D. X 0.134	2.000	1.062	0.134	1008 - 1010	N/A	PLAIN
P301806	2.13" O.D. X 1.062" I.D. X 0.25	2.130	1.062	0.250	1045 - 1050	38-45 RC	PLAIN
P301807	1.5" O.D. X 0.812" I.D. X 0.18	1.500	0.812	0.180	1008 - 1010	N/A	PLAIN
P301808	3" O.D. X 1.312" I.D. X 0.169	3.000	1.312	0.169	1010 - 1020	N/A	PLAIN
P301809	2.75" O.D. X 0.406" I.D. X 0.18	2.750	0.406	0.180	1008 - 1010	N/A	PLAIN
P301810	3.5" O.D. X 1.812" I.D. X 0.18	3.500	1.812	0.180	1008 - 1010	50-55 RC	PLAIN
P301811	3.5" O.D. X 2.312" I.D. X 0.18	3.500	2.312	0.180	1008 - 1010	50-55 RC	PLAIN
P301812	3.5" O.D. X 2.062" I.D. X 0.18	3.500	2.062	0.180	1008 - 1010	50-55 RC	PLAIN
P301813	2" O.D. X 0.937" I.D. X 0.164	2.000	0.937	0.164	1008 - 1033	50-55 RC	PLAIN
P301814	1.307" O.D. X 0.669" I.D. X 0.216	1.307	0.669	0.216	SEE PRINT	35-45 RC	ZINC
P301815	1.118" O.D. X 0.661" I.D. X 0.154	1.118	0.661	0.154	1030-1050	25-35 RC	ZINC
P301817	2.13" O.D. X 1.187" I.D. X 0.25	2.130	1.187	0.250	1045 - 1050	35-45 RC	PLAIN
P301818	2.375" O.D. X 1.187" I.D. X 0.171	2.375	1.187	0.171	1045 - 1050	38-45 RC	PLAIN
P301820	0.734" O.D. X 0.312" I.D. X 0.065	0.734	0.312	0.065	-	N/A	ZINC
P301823	1.875" O.D. X 1.268" I.D. X 0.062	1.875	1.268	0.062	1010	N/A	PLAIN
P301824	2" O.D. X 1.031" I.D. X 0.160	2.000	1.031	0.160	1010	55 RC MIN	PLAIN
P301826	2" O.D. X 0.812" I.D. X 0.179	2.000	0.812	0.150	H.R.S.	38-45 RC	PLAIN
P301827	4" O.D. X 2.062" I.D. X 0.25	4.000	2.062	0.250	1008 - 1010	N/A	PLAIN
P301829	2" O.D. X 1.062" I.D. X 0.134	2.000	1.062	0.134	H.R.S.	N/A	PLAIN
P301830	2.125" O.D. X 1.062" I.D. X 0.250	2.125	1.062	0.250	H.R.S.	N/A	PLAIN
P301831	1.812" O.D. X 0.765" I.D. X 0.149	1.812	0.765	0.149	1010	N/A	PLAIN
P301832	3.25" O.D. X 1.281" I.D. X 0.187	3.250	1.281	0.187	H.R.S.	40-45 RB	PLAIN
P301833	1.313" O.D. X 0.688" I.D. X 0.156	1.313	0.688	0.156	A436	38-45 RC	PLAIN
P301834	1.75" O.D. X 0.812" I.D. X 0.209	1.750	0.812	0.229	H.R.S.	38-45 RC	PLAIN
P301835	4" O.D. X 2.062" I.D. X 0.25	4.000	2.062	0.250	H.R.S.	40 RB MIN	PLAIN
P301837	2.5" O.D. X 1.062" I.D. X 0.165	2.500	1.062	0.165	-	N/A	PLAIN
P301838	3.38" O.D. X 1.88" I.D. X 0.25	3.380	1.880	0.250	1010	N/A	PLAIN
P301842	3.25" O.D. X 1.562" I.D. X 0.187	3.250	1.562	0.187	1008 - 1010	38-45 RC	PLAIN
P301845	1.75" O.D. X 0.812" I.D. X 0.187	1.750	0.812	0.187	1010	55 RC MIN	PLAIN
P301849	2.25" O.D. X 0.938" I.D. X 0.160	2.250	0.938	0.160	H.R.S.	N/A	PLAIN
P301851	0.687" O.D. X 0.343" I.D. X 0.062	0.687	0.343	0.062	1008 - 1010	N/A	PLAIN
P301852	2.25" O.D. X 1.25" I.D. X 0.156	2.250	1.250	0.156	1040 - 1065	38-45 RC	PLAIN
P301854	1.75" O.D. X 1" I.D. X 0.135	1.750	1.000	0.135	1010	N/A	ZINC
P301855	0.734" O.D. X 0.312" I.D. X 0.065	0.734	0.312	0.065	-	N/A	ZINC & YELLOW
P301856	3" O.D. X 1.62" I.D. X 0.25	3.000	1.620	0.250	A36 HRS	N/A	PLAIN
P301860	1.75" O.D. X 0.68" I.D. X 0.162	1.750	0.680	0.162	1015 - 1020	55 RC MIN	PLAIN
P301861	1.75" O.D. X 1.03" I.D. X .125	1.750	1.032	0.125	1020 HRPS	N/A	PLAIN
P301863	2.75" O.D. X 0.765" I.D. X .500	2.750	0.765	0.500	1010	N/A	PLAIN
P301865	2.33 X 1.063 X .25	2.330	1.063	0.250	1045 - 1050	38-45 RC	PLAIN
P301867	2" O.D. X 1.03" I.D. X 0.162	2.000	1.031	0.162	1045	38-45 RC	PLAIN
P301868	2.06" OD X 1.03" ID X 0.187	2.062	1.031	0.187	1010	79 RA MIN	PLAIN
P301869	2.43" OD X 1.53" ID X 0.118	2.430	1.530	0.118	-	-	-



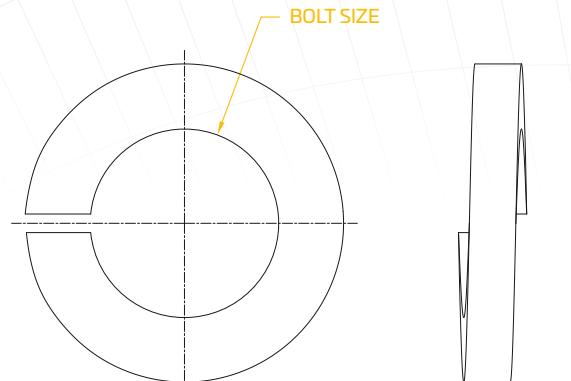
PART NO.	DESCRIPTION	DIM A	DIM B	DIM C	GRADE	HEAT TREAT	FINISH
P301870	1.31" OD X 0.69" ID X 0.150	1.313	0.688	0.150	"ASTM A436 TYPE 1"	26-45 RC	GALVANIZED
P301871	4.50" OD X 2.63" ID X 0.250	4.500	2.625	0.250	-	N/A	PLAIN
P301872	1.31" OD X 0.66" ID X 0.095	1.312	0.656	0.095	1008 - 1010	N/A	ZINC
P301873	1.47" OD X 0.81" ID X 0.134	1.469	0.812	0.134	HRS P&O	N/A	ZINC
P301874	2.63" OD X 1.63" ID X 0.105	2.625	1.625	0.105	ASTM A569	N/A	ZINC & YELLOW
P301875	1.75" OD X 0.91" ID X 0.250	1.750	0.906	0.250	ASTM A325	38-45 RC	PLAIN
P301876	1.92" OD X 1.19" ID X 0.050	1.922	1.193	0.050	SEE PRINT	-	ZINC
P301877	WASHER D-FLAT 1.00"	1.670	1.160	0.130	-	N/A	PLAIN
P301878	WASHER TANG 1.00"	1.570	1.000	0.040	-	N/A	PLAIN
P301879	3.00" OD X 1.63" X 0.156	3.000	1.625	0.156	-	-	PLAIN
P301880	44.75MM X 35.25MM X 1.95MM	1.762	1.388	0.077	1008 - 1010	N/A	PLAIN
P301881	LOCK WASHER W-18	4.938	3.582	0.100	1008 - 1010	N/A	PLAIN
P301882	4.50" OD X 2.63" ID X 0.290	4.500	2.625	0.290	ASTM F436	HRC 38-45	PLAIN
P301883	5.50" OD X 2.56" ID X 0.500	5.500	2.563	0.500	A36 HRS	N/A	PLAIN
P301884	4.50" OD X 3.03" ID X 0.188	4.500	3.030	0.188	DOMEX 100	N/A	ZINC
P301885	5.50" OD X 3.16" ID X 0.290	5.500	3.156	0.290	ASTM F436	HRC 38-45	ZINC & YELLOW
P301886	4.50" OD X 3.03" ID X 0.188	4.500	3.030	0.188	DOMEX 100	N/A	ZINC
P301887	2.125" O.D. X 1.062" I.D. X 0.25	2.125	1.062	0.250	ASTM A36	N/A	PICKLE & OILED
P301888	1.75" OD X 0.906" ID X 0.12	1.750	0.906	0.120	1045	HRC 42-47	PLAIN
P301889	2.25" OD X 1.188" ID X 0.134	2.250	1.188	0.134	1045	HRC 45-53	ZINC & YELLOW
P301890	16MM X 8.4MM X 16MM	0.630	0.331	0.063	-	N/A	ZINC & YELLOW
P301891	7" OD X 5.188 ID X .312	7.000	5.188	0.312	DOMEX 100	N/A	PLAIN
P301892	2.50" OD X 1.312" ID X 0.250	2.500	1.312	0.250	1045	HRC 38-45	ZINC
P301893	LOCK WASHER W-13	3.578	2.588	0.068	1008-1010	N/A	PLAIN
P301894	16MM X 8.4MM X 16MM	0.630	0.331	0.063	-	N/A	ZINC
P301895	M22 SPHERICAL LOCK WASHER	34	22.5	8	SEE PRINT	HRC 44-51	ZINC
P301896	50MM X 36MM X 3.3MM	50	36	3.3	1008-1010	N/A	PLAIN
P301897	3.50" OD X 2.03" ID X 0.188	3.500	2.028	0.188	DOMEX 100	N/A	ZINC
P301898	3.50" OD X 2.03" ID X 0.188	3.500	2.028	0.188	DOMEX 100	N/A	ZINC
P301899	3.00" OD X 1.78" ID X 0.188	3.000	1.778	0.188	DOMEX 100	N/A	ZINC
P301900	3.00" OD X 1.78" ID X 0.188	3.000	1.778	0.188	DOMEX 100	N/A	ZINC
P301901	WASHER TONGUE 1.00"	1.688	1.005	0.120	H.R.S.	38-45 RC	PLAIN
P301902	3.25" OD X 1.63" ID X 0.250	3.250	1.625	0.250	1045 - 1050	38-45 RC	PLAIN
P301903	M18 SPHERICAL LOCK WASHER	29	18.5	7	SEE PRINT	HRC 44-51	ZINC
P301904	4.25" OD X 3.56" ID X 0.188	4.250	3.563	0.188	-	-	PLAIN
P301905	60MM X 46MM X 2.5MM	2.362	1.835	0.106	1045	HRC 38-45	PLAIN
P301906	60MM X 39MM X 3MM	2.362	1.560	0.130	1045	HRC 38-45	PLAIN
P301907	44MM X 30MM X 1.6MM	1.732	1.236	0.071	1045	HRC 38-45	PLAIN
P301908	60MM X 46MM X 3MM	2.362	1.835	0.130	1045	HRC 38-45	PLAIN
P301909	50MM X 40MM X 2MM	1.969	1.599	0.087	1045	HRC 38-45	PLAIN
P301910	5.250" OD X 3.268" ID X 0.125	5.250	3.268	0.125	1050	HRC 44-52	ZINC
P301911	3.374" OD X 1.518" ID X 0.125	3.374	1.518	0.125	1050	HRC 44-52	ZINC
P301912	1.75" O.D. X 1.062" I.D. X 0.100	1.750	1.062	0.100	1008 - 1010	N/A	PLAIN
P301913	4.200" OD X 2.651" ID X 0.125	4.200	2.651	0.125	1050	HRC 44-52	ZINC
P301914	1.118" O.D. X 0.661" I.D. X 0.154	1.118	0.661	0.154	1030-1050	25-35 RC	JDM F13H
P301915	2.250" O.D. X 1.312" I.D. X 0.160"	2.250	1.312	0.160	1008 - 1010	N/A	PLAIN

Components

Lock Washers

Lock Washer – Technical Information

PART NO.	DESCRIPTION
P943401	1/2" HELICAL SPRING LOCK WASHER, ZINC PLATED (.875OD X .520ID X .135) ANSI - ASME B18.21.1 - 1990
P943402	3/8" LOCK WASHER, ZINC PLATED (GRADE 5)
P943403	5/8" LOCK WASHER, ZINC PLATED
P943407	WASHER (9158041) 1/2 SPLIT NO PLATI
P943408	WASHER LOCK ZINC PLATED 3/4
P943409	WASHER LOCK ZINC PLATED 5/8
P943410	WASHER RETAINING 3/4
P943411	WASHER LOCK ZINC PLATED 5/16
P943412	5/8 RETAINING CLIP
P943413	1" HELICAL LOCK WASHER, YZP
P943414	(OPEN)
P943415	WASHER LOCK ZINC PLATED 9/16 (9058131)
P943416	1/2" HELICAL SPRING LOCK WASHER, YELLOW ZINC PLATED
P943417	80MM INTERNAL RETAINING RING
P943418	50MM EXTERNAL RETAINING RING
P943419	35MM EXTERNAL RETAINING RING
P943420	72MM INTERNAL RETAINING RING
P943421	2.50" EXTERNAL RETAINING RING



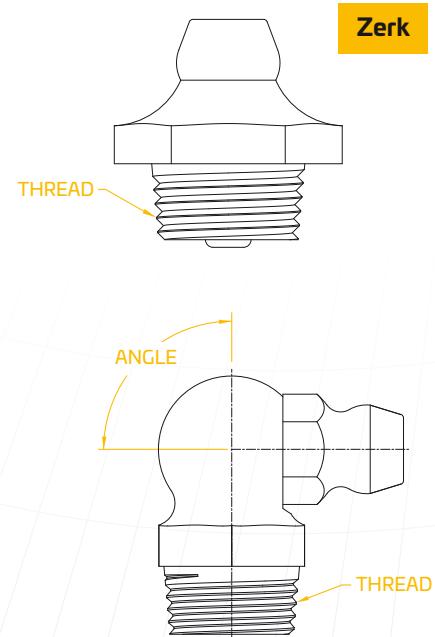
Lock Washer

PART NO.	DESCRIPTION
P943422	40MM INTERNAL RETAINING RING
P943423	65MM INTERNAL RETAINING RING
P943424	40MM INTERNAL RETAINING RING
P943425	68MM INTERNAL RETAINING RING
P943426	85MM INTERNAL RETAINING RING
P943427	39MM EXTERNAL RETAINING RING
P943428	68MM INTERNAL RETAINING RING
P943429	30MM EXTERNAL RETAINING RING
P943430	62MM INTERNAL RETAINING RING
P943431	63MM INTERNAL RETAINING RING

Grease Fittings

Grease Fittings – Technical Information

PART NO.	DESCRIPTION	SIZE	ANGLE	THREAD FORM
P902803	1/4-28 DRIVE-IN ZERK (ALEMITE # 1743-B)	1/4"	-	DRIVE
P902804	1/8-27 90° SELF TAPPING PIPE THREAD (ALEMITE # 1723-B) (YZP)	1/8-27 NPT	90°	SELF TAPPING
P902806	1/4 65 DEG. DRIVE-IN ZERK (GF&D #211744)	1/4"	65°	DRIVE
P902807	1/8-27 PTF STRAIGHT (ALEMITE #1610-BL)	1/8-27 NPT	-	STRAIGHT
P902808	3/16 DRIVE-IN ZERK (ALEMITE #1728-B)	3/16"	-	DRIVE
P902809	3/16 45 DEG. DRIVE-IN ZERK (ALEMITE #1992-B)	3/16"	45°	DRIVE
P902810	1/4-28 45 DEG. SELF-TAPPING ZERK (ALEMITE #3053-B)	1/4-28 UNF	45°	SELF TAPPING
P902812	1/8-27 45 DEG. PTF (ALEMITE #1688-B)	1/8-27 NPT	45°	PIPE THREAD
P902813	1/4-28 TAPERED SELF TAPPING ZERK (ALEMITE #3038-B)	1/4-28 UNF	-	SELF TAPPING
P902814	1/4-28 90 DEC. SELF TAPPING ZERK (ALEMITE #3054-B)	1/4-28 UNF	90°	SELF TAPPING
P902815	PLUG	1/4-28 UNF	-	TAPERED
P902816	PLUG	1/8-27 NPT	-	PIPE THREAD
P902817	1/4-28 SELF TAPPING ZERK	1/4-28 UNF	-	SELF TAPPING
P902818	ZERK PLUG - #6 SAE J514 ORB PLUG	#6		ORB
P902819	1/8-28 BSPT TAPER SELF TAPPING	1/8-28 BSPT	-	SELF TAPPING
P902820	1/8-27 PTF RELIEF FITTING (5 PSI MAX)	1/8-27 NPT	-	PIPE THREAD
P902821	1/8-27 90° SELF TAPPING PIPE THREAD (ZP)	1/8-27 NPT	90°	SELF TAPPING
P902822	1/8-27 TAPER SELF TAPPING (ZP) GKN STANDARD	1/8-27 NPT	-	SELF TAPPING
P902823	1/4-28 DRIVE-IN ZERK	1/4"	-	DRIVE



Warranty

Subject to the terms and conditions hereinafter set forth, GKN Armstrong Wheels, Inc. ("GKN") warrants GKN products sold by GKN to be free from defects in material and workmanship under correct use, normal operating conditions and proper applications which shall include maintenance of products in accordance with GKN manuals and service bulletins, for a period of one year from the date of shipment by GKN.

This warranty does not extend to products or parts damaged or subjected to accident, abuse, misuse or improper installation after shipment from our factory, nor to products or parts altered or repaired by anyone other than authorized GKN representatives.

Disclaimers

This limited warranty is the only warranty extended by GKN in connection with any sale by GKN to the original purchaser or manufacturer and does not extend to successive buyers, users, third parties or employees. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE**, notwithstanding disclosure to GKN of the product's intended use. Any implied warranties to the extent exclusion is permitted by law shall be limited to the term of the express warranty set forth herein. An affirmation of fact or promise made on behalf of GKN shall not be deemed to create an express warranty that the product shall conform to the affirmation or promise; any description of the product is for the sole purpose of identifying them and shall not be deemed to create an express warranty that the product shall conform to such description; any sample or model is for illustrative purposes only and shall not be deemed to create an express warranty that the product shall conform to the sample or model; and no affirmation or promise, or description, or sample or model, shall be deemed part of the basis of the bargain.

Exclusive remedy

GKN's obligation upon breach of warranty shall be limited to replacing or repairing at our option, free of charge, but not including installation, dismantling, reassembling or any other charge, the particular product or part which inspection discloses to have been defective at time of shipment. Inspection shall be at our plant, transportation costs prepaid by customer. Written notice of such defect shall be given by the customer to GKN within ten (10) days after such defect(s) appear. Written permission for any warranty claim returned must be first obtained from authorized GKN representatives. All returns must be accompanied with a complete written explanation of claimed defects and the circumstances of operational failure. Replacement or repaired products or parts shall be warranted under the terms of this warranty for the remainder of the term of the original warranty or of a period of two (2) months after such repair or replacement, whichever is longer. Upon expiration of the warranty, all of GKN's obligations hereunder shall terminate.

In no event shall GKN have any liability for payment of any consequential, incidental, indirect, special or tort damages of any kind including, but not limited to, any loss of profits, to the extent exclusion is permitted by law. This warranty states our entire and exclusive liability and buyers exclusive remedy for any claim of damages in connection with the sales or furnishing of GKN's products or parts, their design, suitability for use, installations or operation, or for any claimed defect therein. Products not manufactured by GKN are furnished subject only to the manufacturer's warranties, if any, and without warranties, express or implied, by GKN.

As consideration for this warranty, the original customer and subsequent purchaser agree to indemnify and hold GKN, harmless from and against all and any loss, liability, damages or expenses for injury to persons or property, including without limitation, the original customer's and subsequent purchaser's employees and property, due to their acts or omissions or the acts or omissions of their agents, and employees in the installation, transportation, maintenance, use and operation of said equipment.

Terms and Conditions

Please refer to our website for details www.gknwheels.com.



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