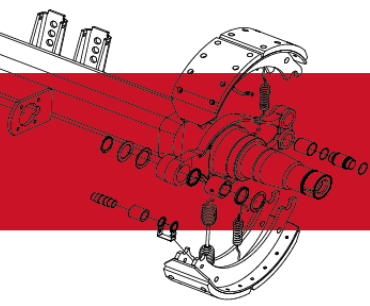


Steer Axle Spare Parts

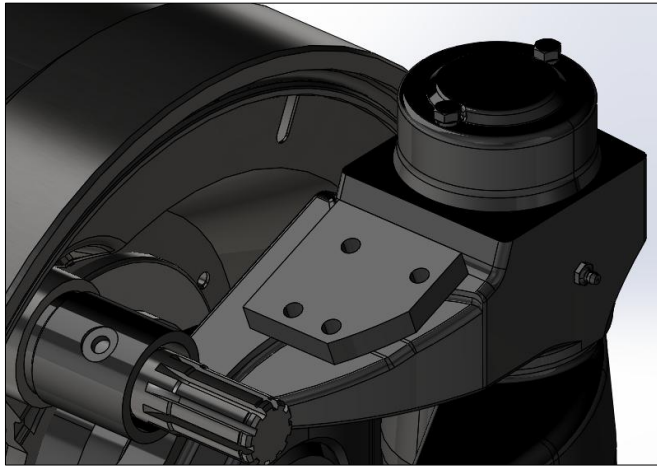
- **Steer Axle Identification**
- **Track Rod Bush Parts**
- **Shock Absorber Parts**
- **Hydraulic Rams**
- **Air-Locking/Unlocking Cylinders**
- **Torpress Bags**
- **Steer Angle Adjusting Bolts**
- **Kingpin Parts**
- **Replacement Ram Seals**
- **Standard Air Chamber Brackets**
- **TIS Series Spare Parts**
- **Axle Brake Components**



To identify a **300A** steer axle:

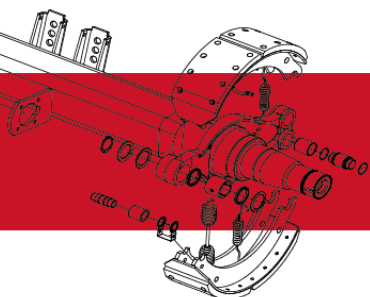
127mm round beam, 310x190 brake, 10 stud, 225 stud PCD

- The kingpin has no locating bolts.
- The top of the kingpin has a round cap, the bottom has a flat plate.
- The ACB mounting plate is welded to the knuckle only on the sides



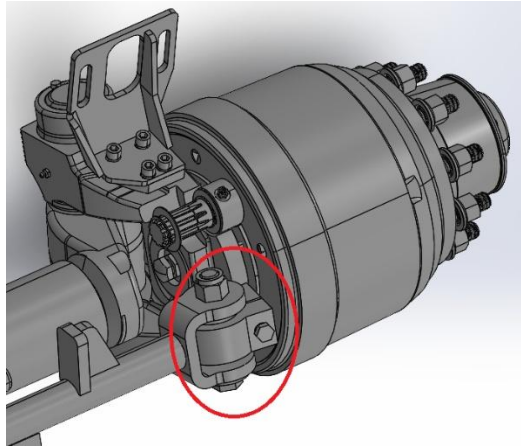
300A Series

16mm block welded to steer axle knuckle for ACB mounting.



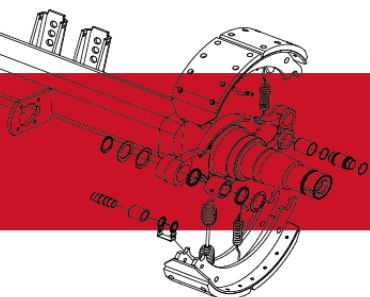
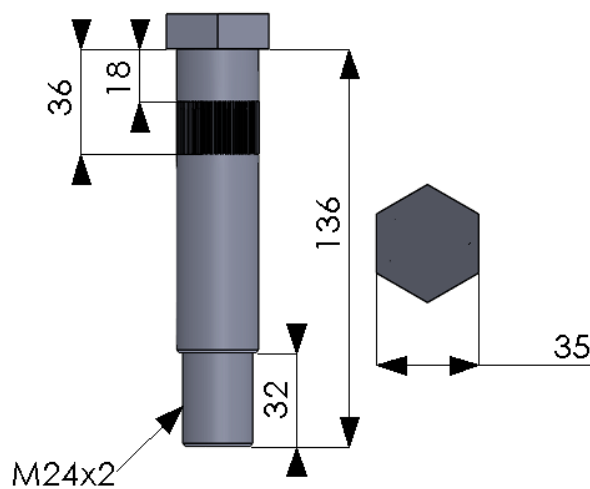
300A Steer Axle Parts

Track Rod Bush Parts

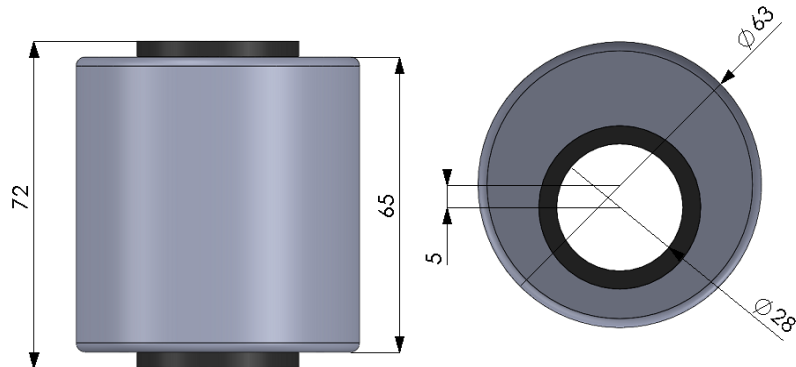


Part No.	Description	QTY per Steer Axle
37092	Track Rod Bush Bolt M24x104x2.0	2
37096	Track Rod Eccentric Bush	2
37094	Track Rod Bush Nut M24x2.0	2
37098	Track Rod Bush Pinch Bolt M14x55	2
37099	Track Rod Bush Pinch Bolt Spring Washer	2
SK200	Track Rod Bush Kit (includes all of the above)	1

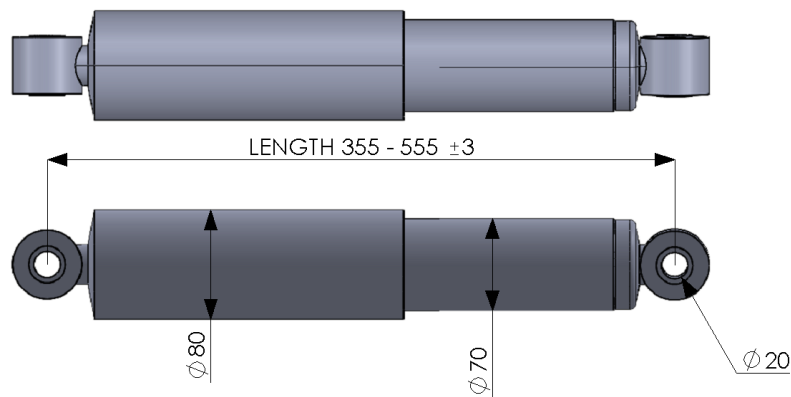
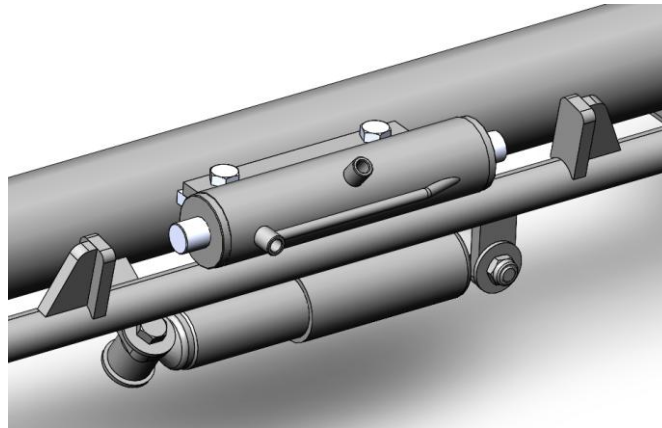
37092 – Track Rod Bush Bolt



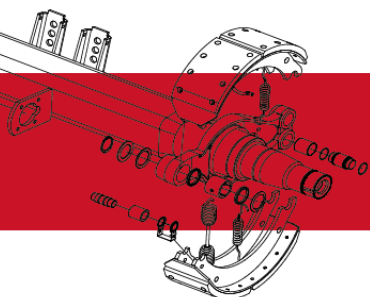
37096 – Track Rod Eccentric Bush



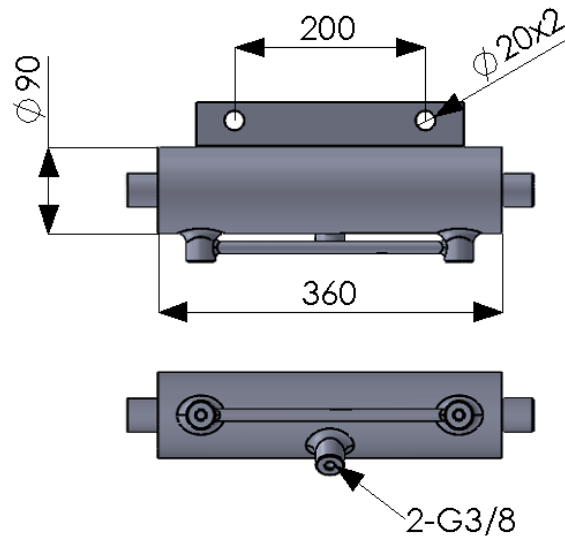
Shock Absorber Parts



Part No.	Description	QTY per Steer Axle
37051	Shock Absorber	1
37100	Shock Absorber Bolt M20x90	2
37101	Shock Absorber Washer (21x37x3)	2
37102	Shock Absorber Locknut M20	2
SK500	Shock Absorber Kit (includes all of the above)	1



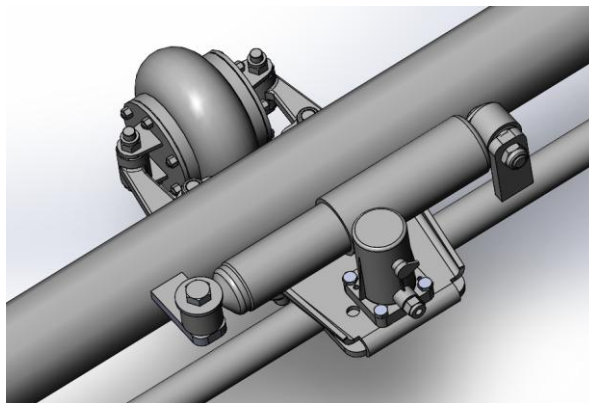
Hydraulic Ram Parts



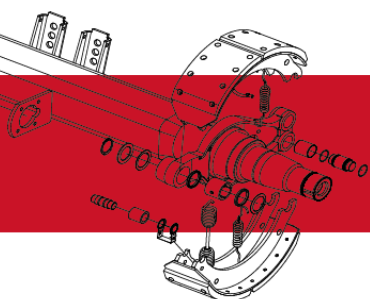
Part No.	Description	QTY per Steer Axle
37179	Hydraulic Ram (Self Steer)	1
37105	Hydraulic Ram Mounting Bolt M20x1.5x60	2
37102	Hydraulic Ram Bolt Locknut M20	2
SK300	Hydraulic Ram Kit (Includes all of the above)	1

(37179F is alternative to 37179)

Air Locking Parts



Part No.	Description	QTY per Steer Axle
37090	Air-To-Unlock/Lock Cylinder Bolts M10x25	4
37111	Air-To-Unlock Cylinder	1
SK400	Air-To-Unlock Cylinder Kit (includes all of the above)	1

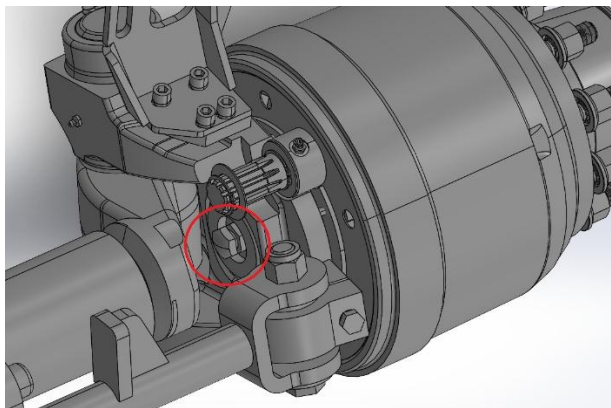


Part No.	Description	QTY per Steer Axle
37110	Torpress Bag	1
37007	Torpress Bag Kit	1
37111	Air-To-Unlock Cylinder	1
40059	Air-To-Lock Cylinder	1
37090	Air-To-Unlock/Lock Cylinder Bolts M10x25	4

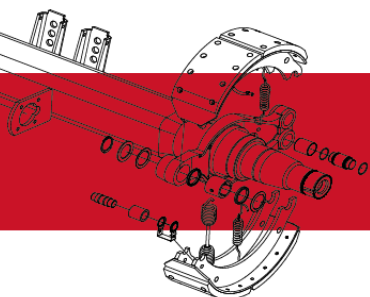
(40058 is alternative to 37111)

(37109 is alternative to 37007)

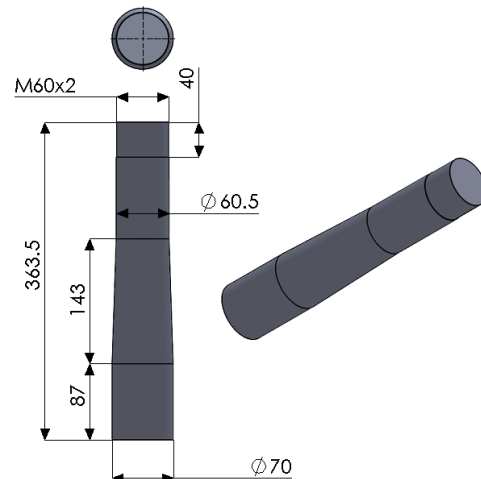
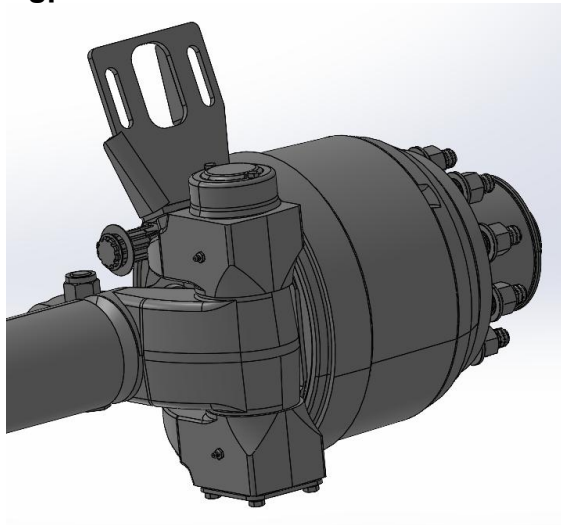
Steer Angle Adjusting Bolts



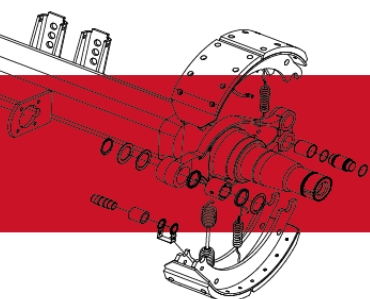
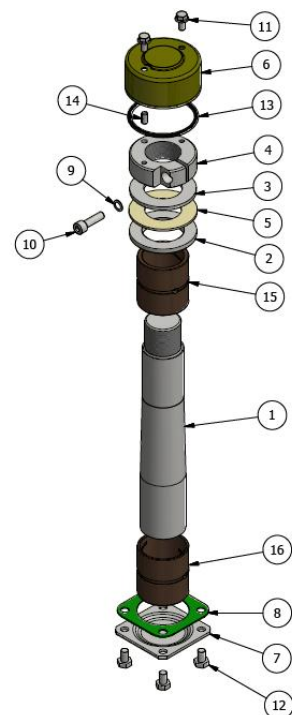
Part No.	Description	QTY per Steer Axle
37084	Steer Angle Limiting Bolt M20x40	2
37083	Steer Angle Limiting Nut M20	2



Kingpin Parts

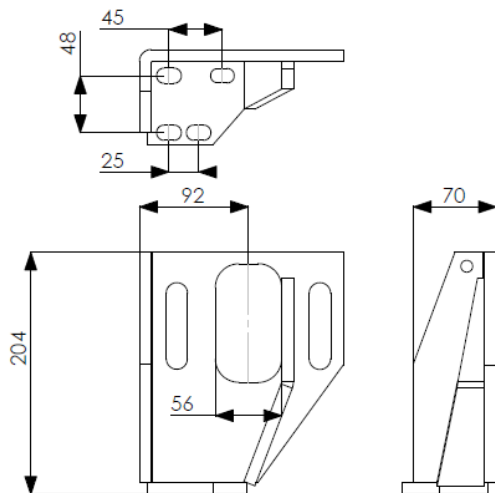


Item No.	Part No.	Description	QTY per Steer Axle
1	37071	Kingpin	2
2	37065	Seal Washer	2
3	37063	Lock Washer	2
4	37058	Kingpin Clamp Ring	2
5	N/A	-----	-
6	37054	Kingpin Cap	2
7	37073	Kingpin Bottom Cap	2
8	37291	Square Cap Gasket	2
9	N/A	-----	-
10	37060	Kingpin Pinch Bolt M10x35	2
11	37052	Kingpin Cap Bolt M8x16	4
12	37075	Kingpin Bottom Cap Bolt M10x16	8
13	37056	Kingpin O-Ring	2
14	37061	Lock Washer Pin	2
15	37067	Kingpin Bush Small – Nylon	2
16	37069	Kingpin Bush Large – Nylon	2
	SK100	Kingpin Kit (Includes all of the above)	1

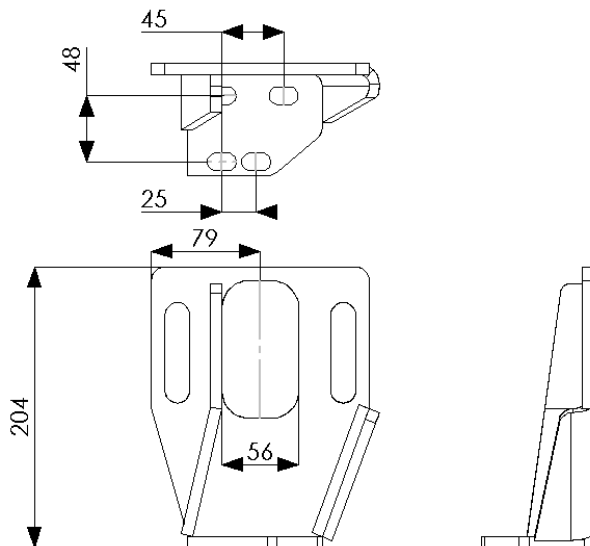


Air Chamber Bracket

37085 Left shown below (37086 right) – Standard A ACB

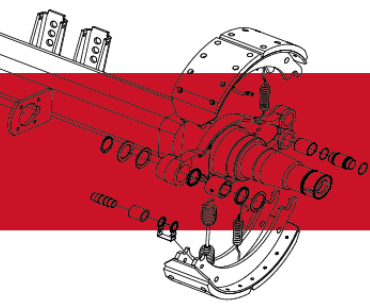


37249L Left shown below (37249R right) – Straight slack A ACB



ACB bolts

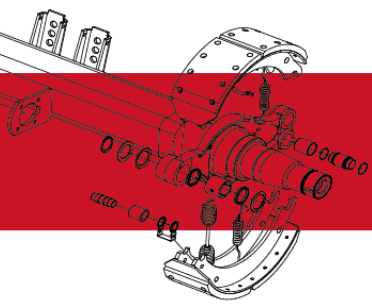
M12x25x1.75 Cap Bolts 37089
12mm washer 37387



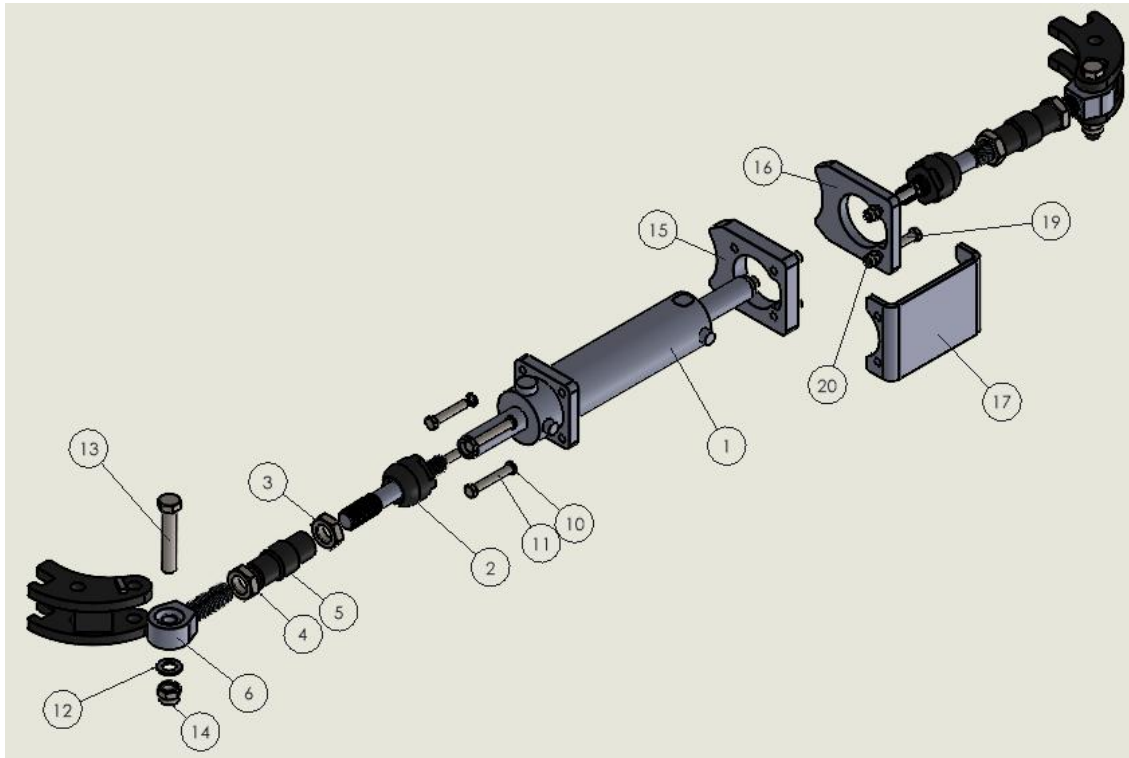
37158 – Hydraulic ram (37103) replacement seals



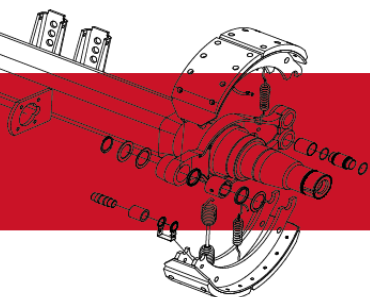
37217 – Hydraulic ram (37179) replacement seals



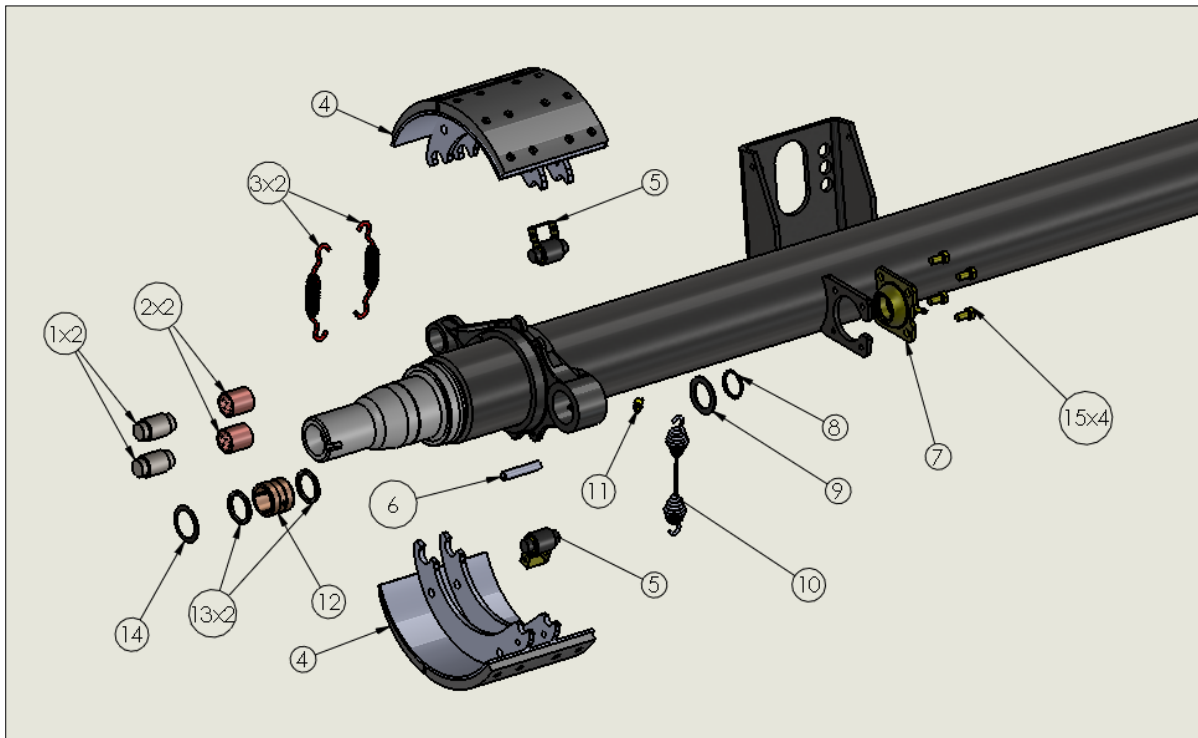
Ø127 axle (310x190)



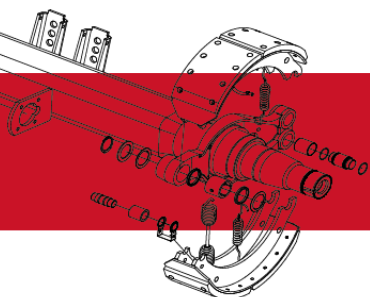
Item No.	Part No.	Description	QTY per Steer Axle
1	37261	HYD. STEER CYLINDER (85mm)	1
2	37254	BALL JOINT	2
3	37275	THIN NUT M30X2 LH	2
4	37276	THIN NUT M30X2	2
5	37282	CONNECTING ROD (110mm)	2
	37255	CONNECTING ROD (145mm)	2
	37266	CONNECTING ROD (180mm)	2
6	37256	ROD END BEARING	2
10	72012	WASHER - M12	6
11	31686	BOLT M12x80	2
12	37277	WASHER - 21x37x3	2
13	37273	BOLT - M20 x110	2
14	37278	LOCK NUT - M20	2
15	37286	CYLINDER BRACKET (25mm)	1
16	37287	CYLINDER BRACKET (16mm)	1
17	37285	CYLINDER BRACE	1
18	31698	BOLT M12X65	2
19	31617	BOLT M12X50	2
20	31632	LOCK NUT - M12	6



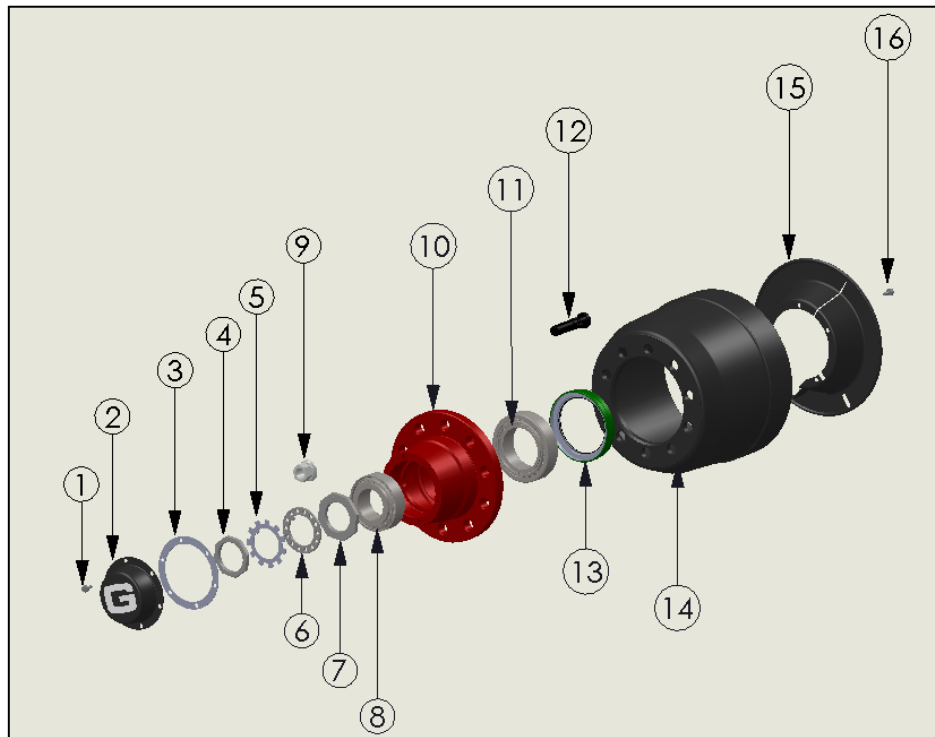
310 x 190 – 300 “A” Series Quick Fit Brake Assembly



Item	Description	Part No.	QTY per Axle
1	Anchor Pin	61171	4
2	Bush Anchor Pin	61200B	4
3	Brake Shoe Retaining Spring	61141	4
	Brake Shoe Assembly	61542GA	4
(4)	Brake Shoe (GLAT26-29)	61542G	(4)
(5)	Retainer Cam Roller		(4)
	One Piece Cam Roller		(4)
6	Spring Fixing Pin		(4)
7	Camshaft Spherical Bearing	61080	2
8	Circlip	61120	2
9	Support Washer Camshaft	61058	2
10	Spring Return	61660	2
11	Greaser 1/8 NPT x 45°	61110	2
12	Camshaft Sintered Bush	61055	2
13	Camshaft Grease Seal	61056	4
14	Camshaft Beveled Washer	61057	2
15	M10 x 20 Screw	61359	8

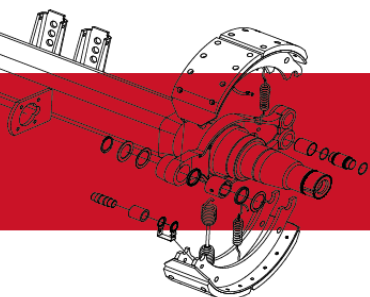


310 x 190 – 300 “A” Series Hub/Drum Assembly

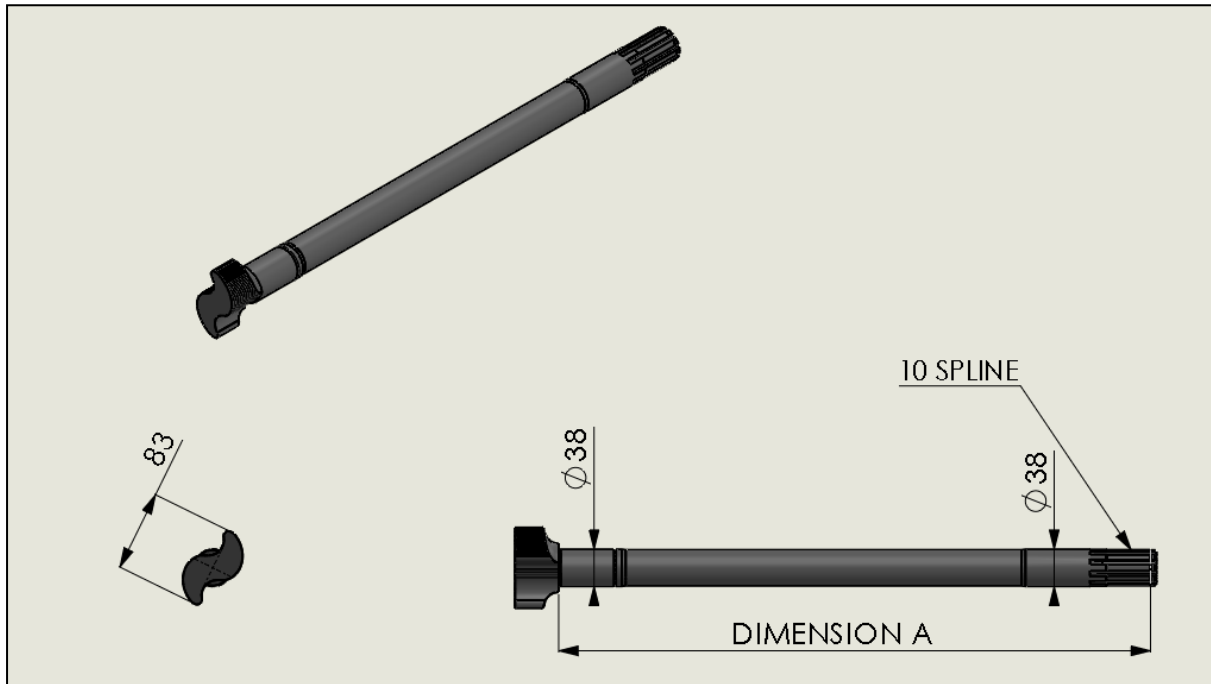


Item	Description	Part No.	QTY per AXLE
1	Screw M8 x 16 Fl. Head	61351	12
2	Hub Cap Pressing "G"	61322A	2
3	Gasket	61330A	2
4	Locknut	61310	2
5	Tab Washer	61311	2
6	Lock Washer	61300	2
7	Adjusting Nut	61290	2
8	Outer Bearing	61270F	2
9	ISO Wheel Nut M22	61381Z	20
10	Hub	61520	2
11	Inner Bearing	61260F	2
12	Wheel Bolt M22 ISO (Twin)	61363	20
	Wheel Bolt M22 ISO (Single)	61361	20
13	Unitised Grease Seal	61282	2
14	Brake Drum 10 Stud	61535*	2
15	Dust Cover (with no lip)	61620	2
	Dust Cover (with lip)	61620A	2
16	Screw M8 x 16 Fl. Head	61358F	12

*61535 drum now has no lip for dust cover. This new drum uses flat dust cover 61620



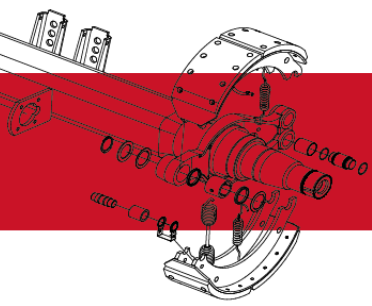
310 x 190 – 300 “A” Series Camshaft Parts List



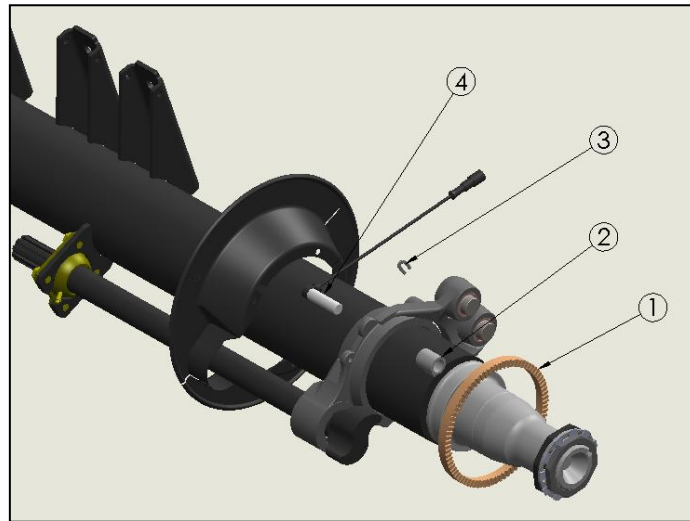
Item	Description (DIM A)	Part No.
1	Left Hand Small Head (175mm)	61154
2	Right Hand Small Head (175mm)	61153
3	Left Hand Small Head (212mm)	61591
4	Right Hand Small Head (212mm)	61601
5	Left Hand Small Head (519mm)	61595
6	Right Hand Small Head (519mm)	61605
7	Left Hand Small Head (610mm)	61596
8	Right Hand Small Head (610mm)	61606

Camshaft lengths are measured from under head to the centre of last circlip groove.

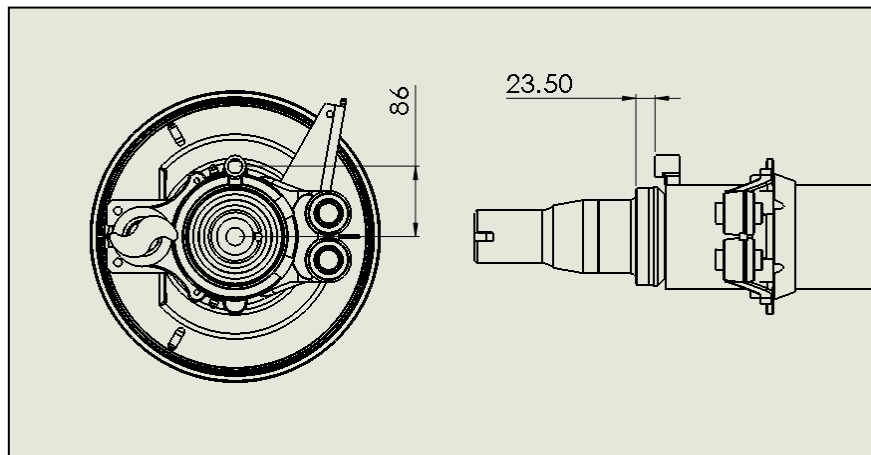
The illustrated camshaft is a right hand camshaft. When looking at the head of the camshaft a right hand cam is Z shaped and a left hand is S shaped



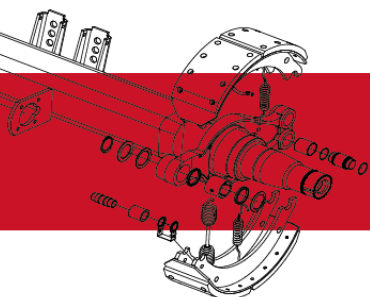
310 x 190 – 300 “A” Series ABS/Anti-Lock Assembly



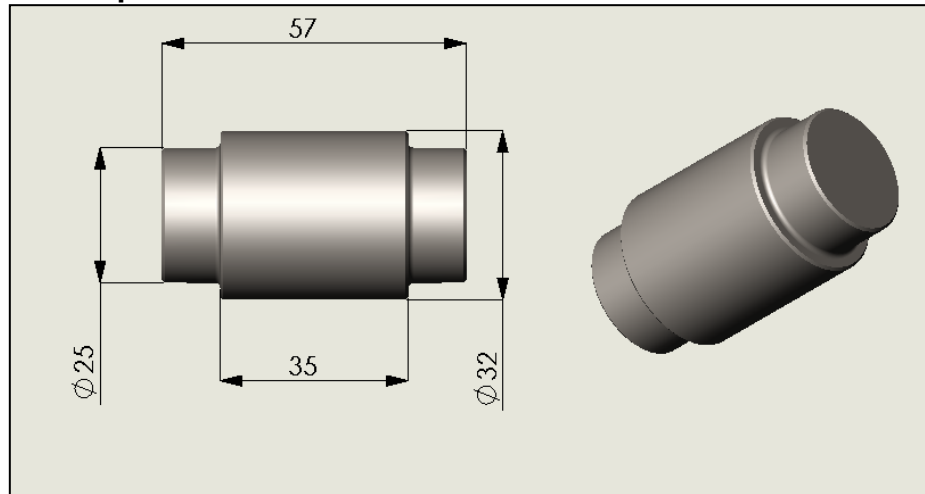
Item	Description (DIM A)	Part No.
1	Pole Wheel (80 tooth)	61787
2	Sensor Block	61781
3	Dust Cover Grommet	61557
4	90° Sensor Lead & Bush	61790



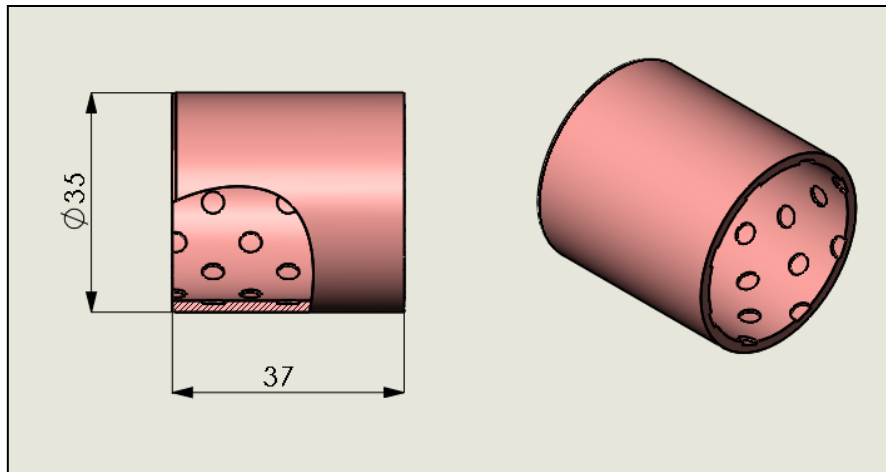
Centre of the ABS sensor is 86mm from centre of the axle
 Face of sensor block 23.5mm from large bearing shoulder
 Weld on ABS block (as shown above) is positioned 90 degrees to camshaft.



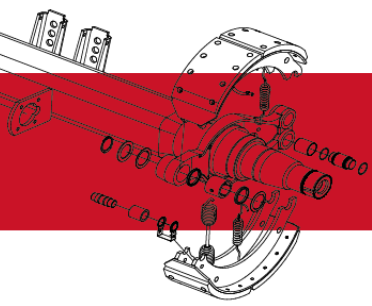
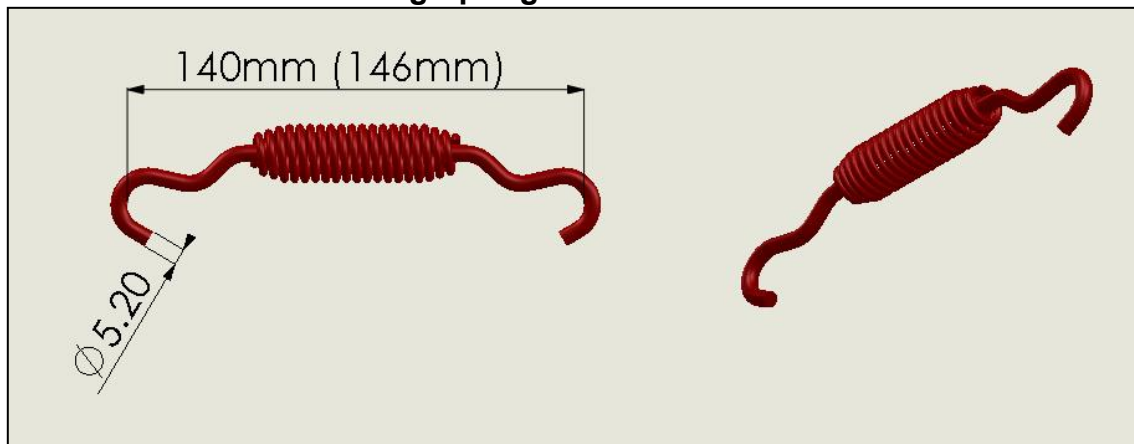
61171 – Anchor pin



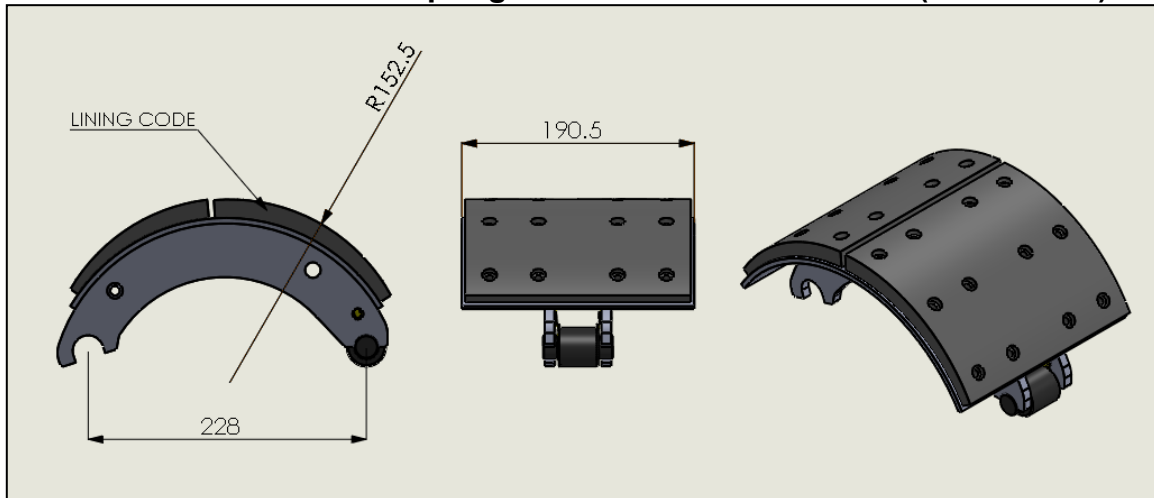
61200B – Bush Anchor Pin



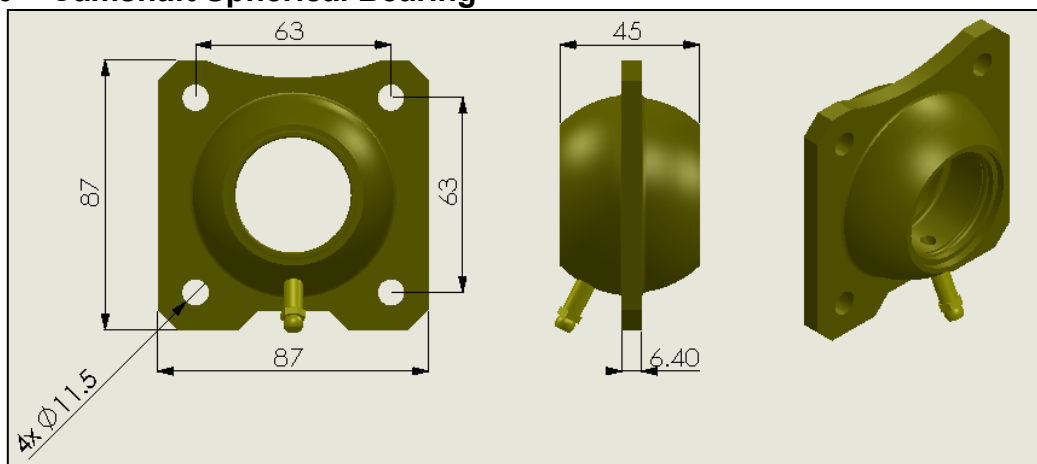
61141 – Brake Shoe Retaining Spring



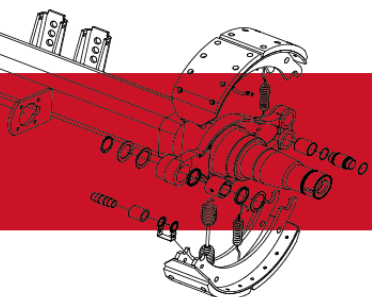
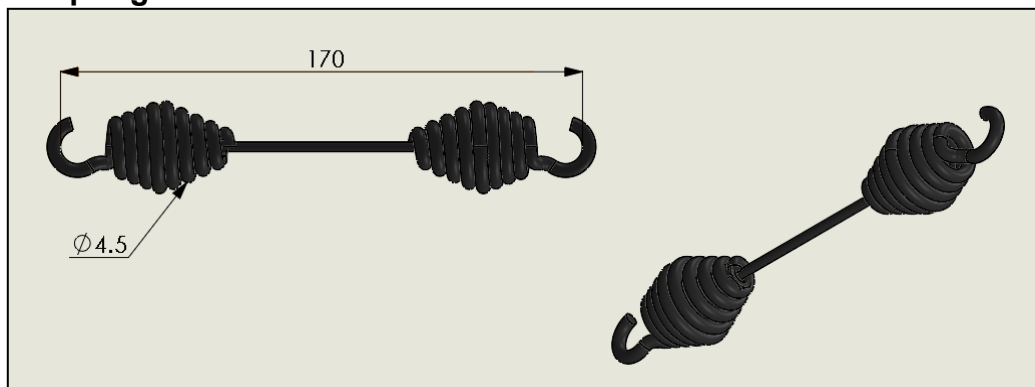
61542GA – Brake shoe with spring anchor bar and cam roller (GLAT26-29)



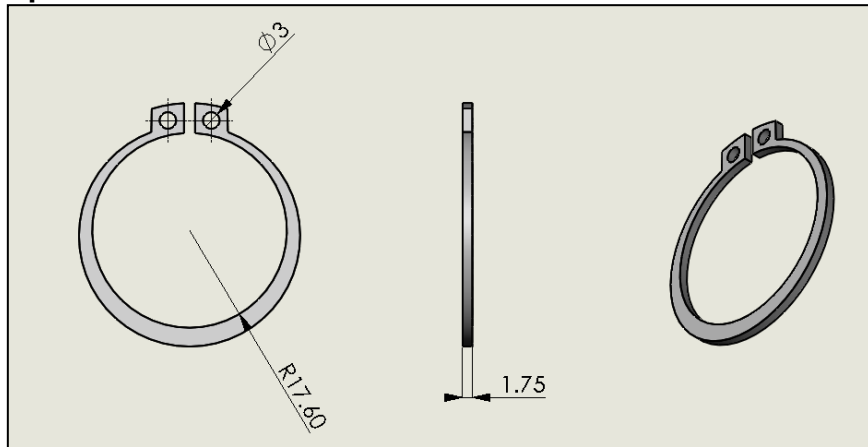
61080 – Camshaft Spherical Bearing



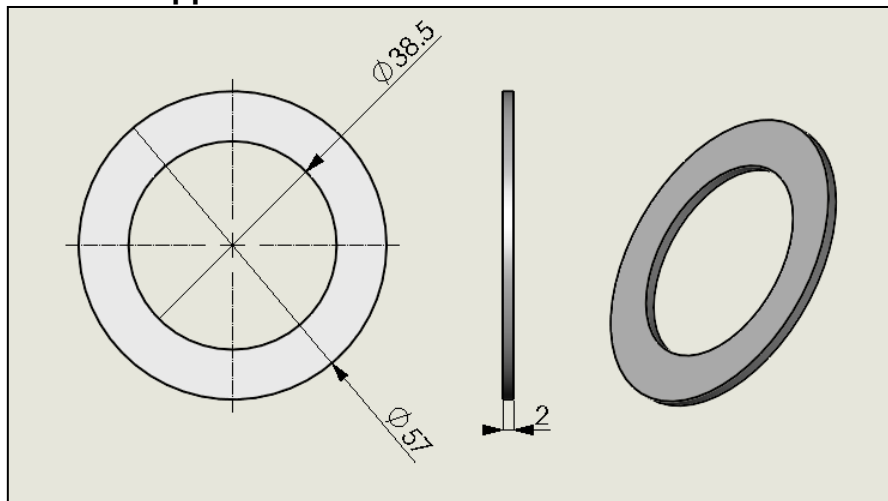
61660 – Spring Return



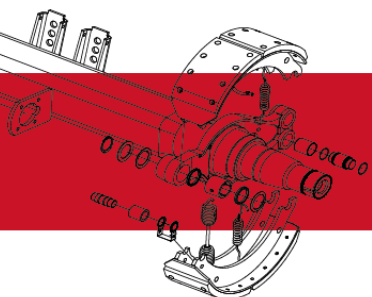
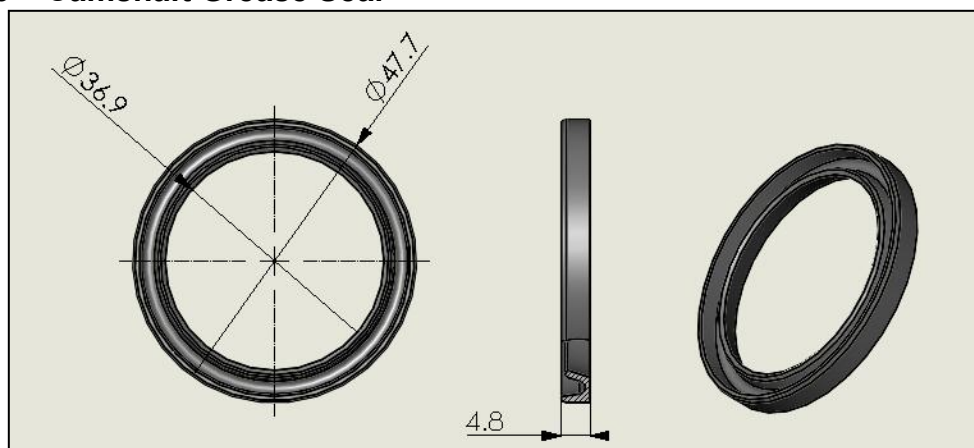
61120- Circlip



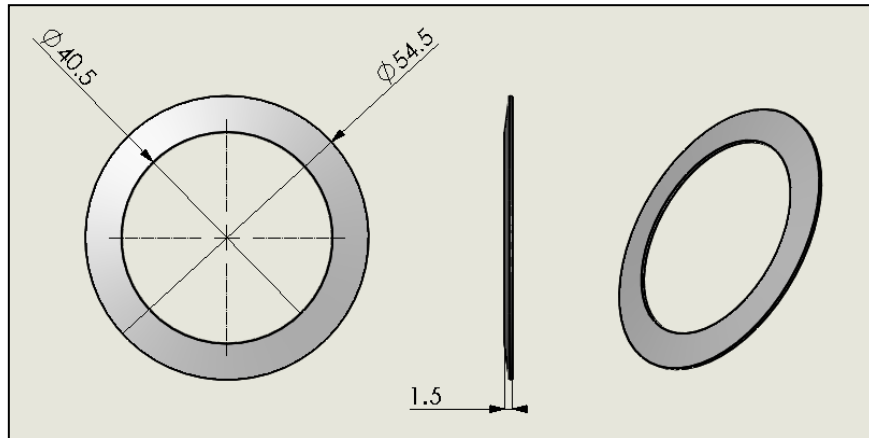
61058 – Camshaft Support Washer



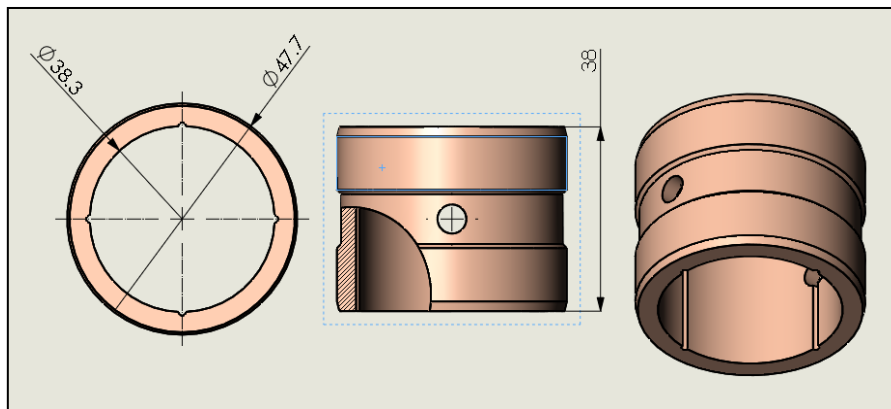
61056 – Camshaft Grease Seal



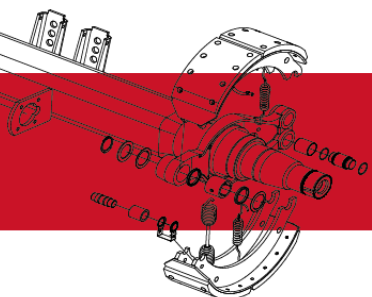
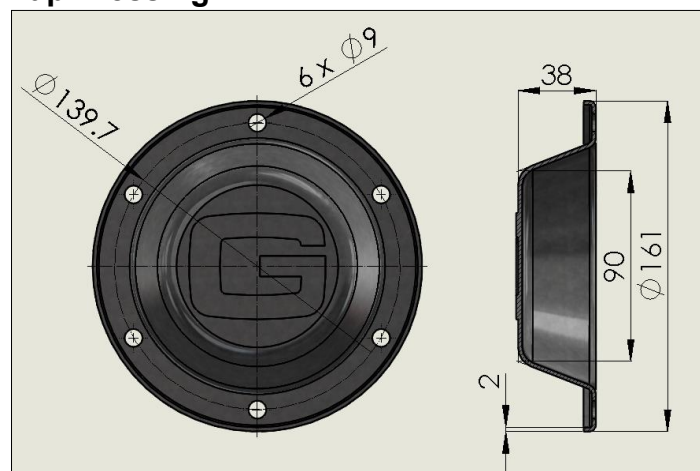
61057 – Camshaft Beveled Washer



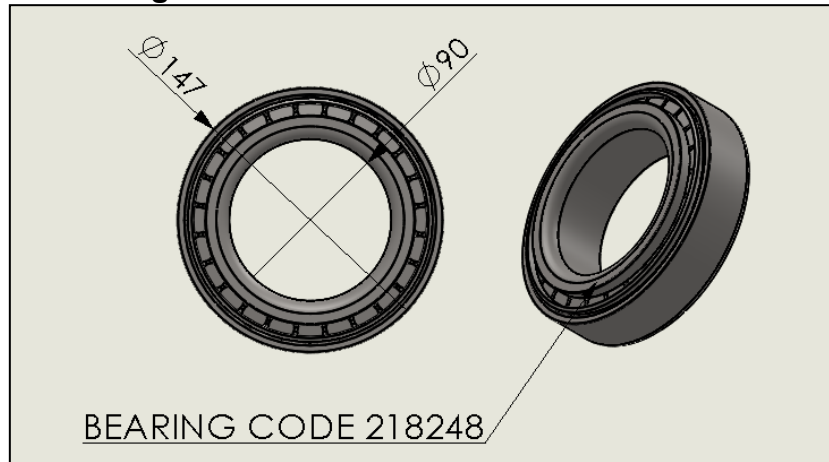
61055 – Camshaft Sintered Bush



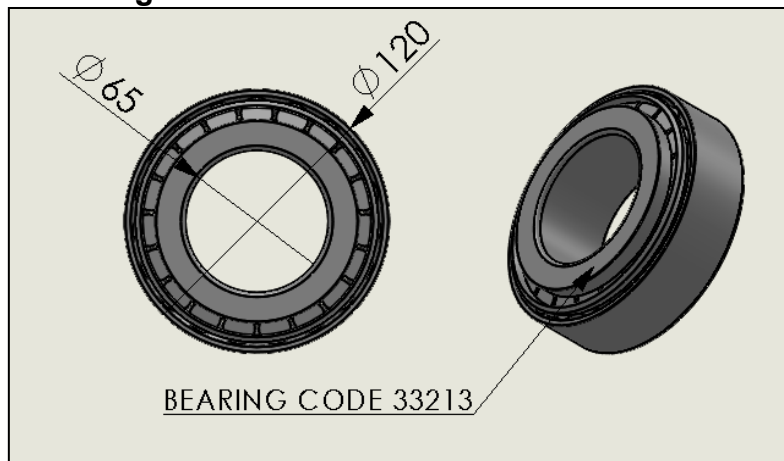
61322a – G Hub Cap Pressing



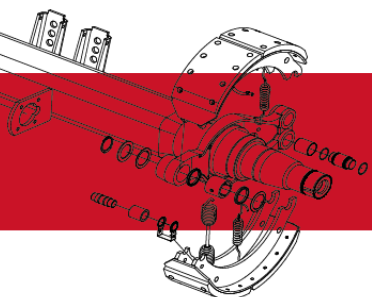
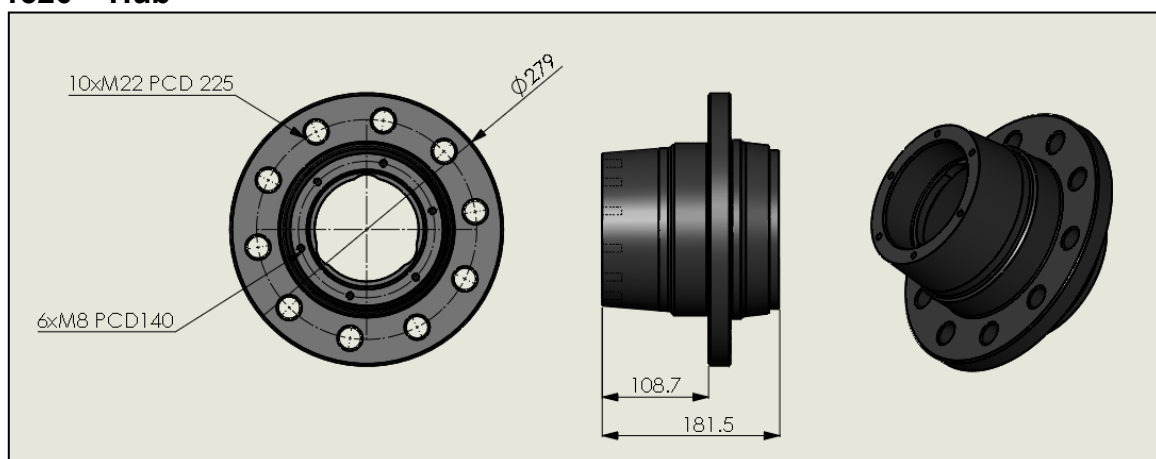
61260F – Inner bearing and cone



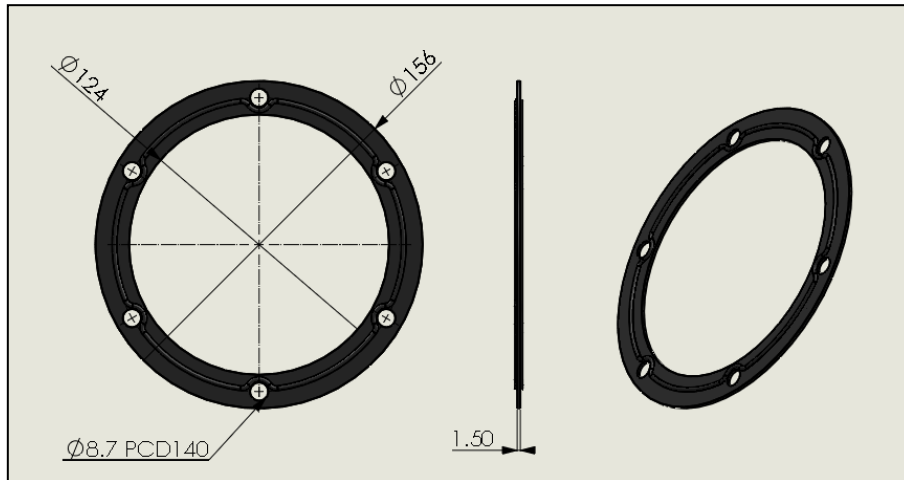
61270F – Outer bearing and cone



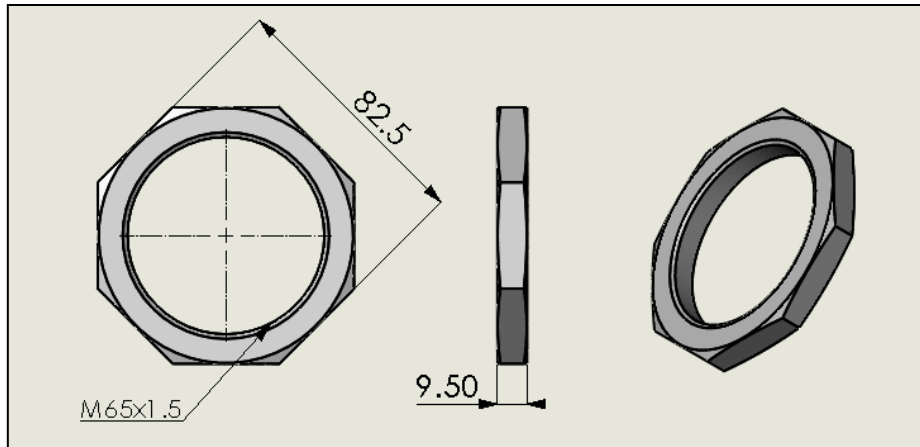
61520 – Hub



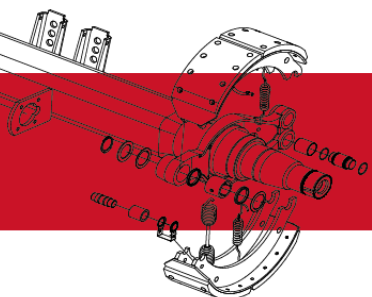
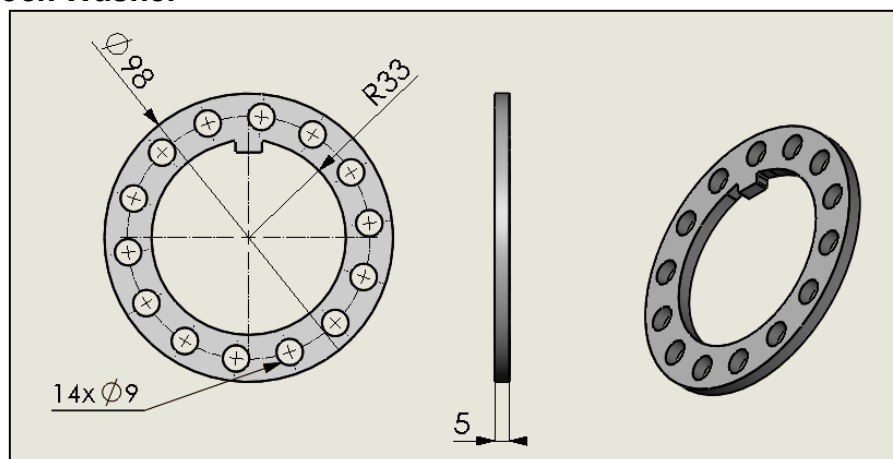
61330A – Gasket



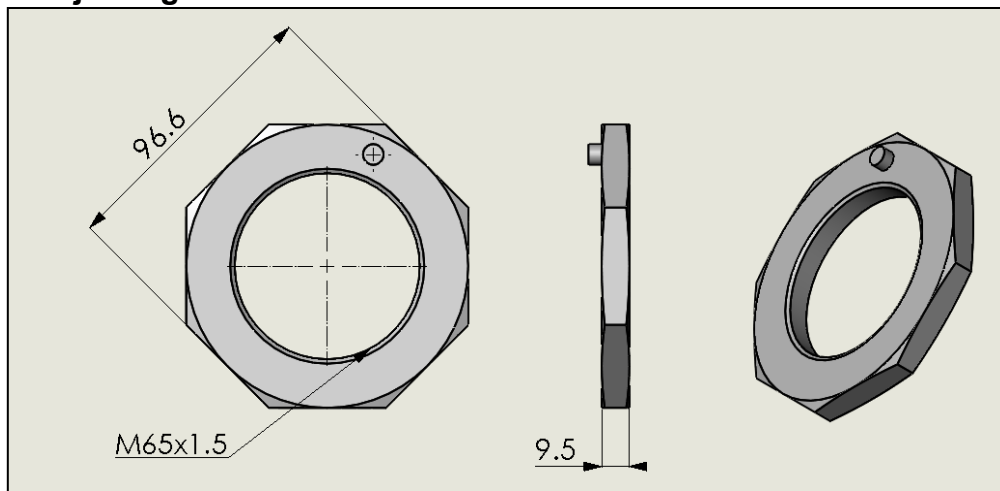
61310 – Locknut



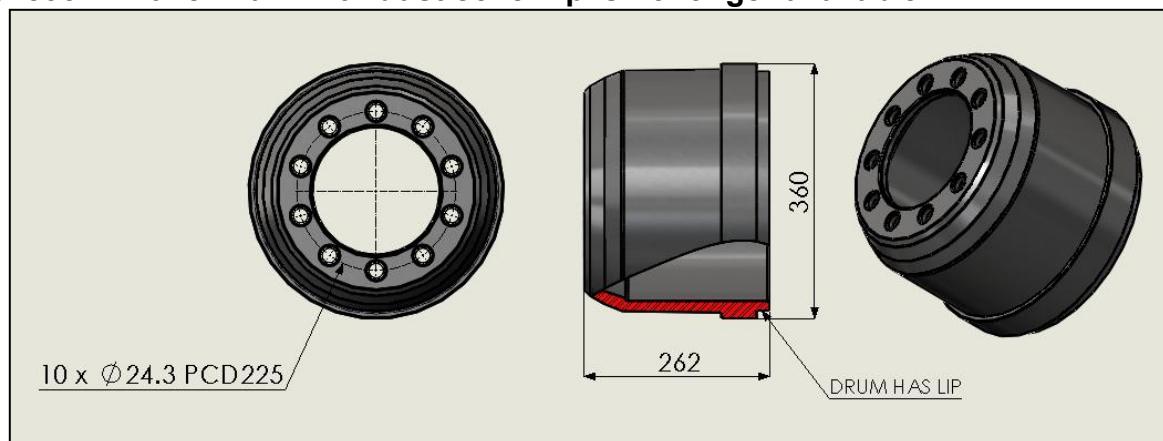
61300 – Lock Washer



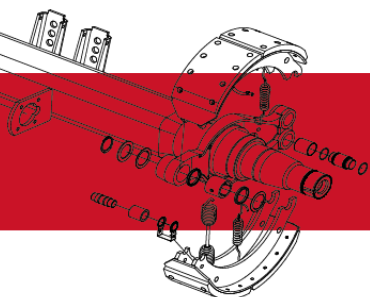
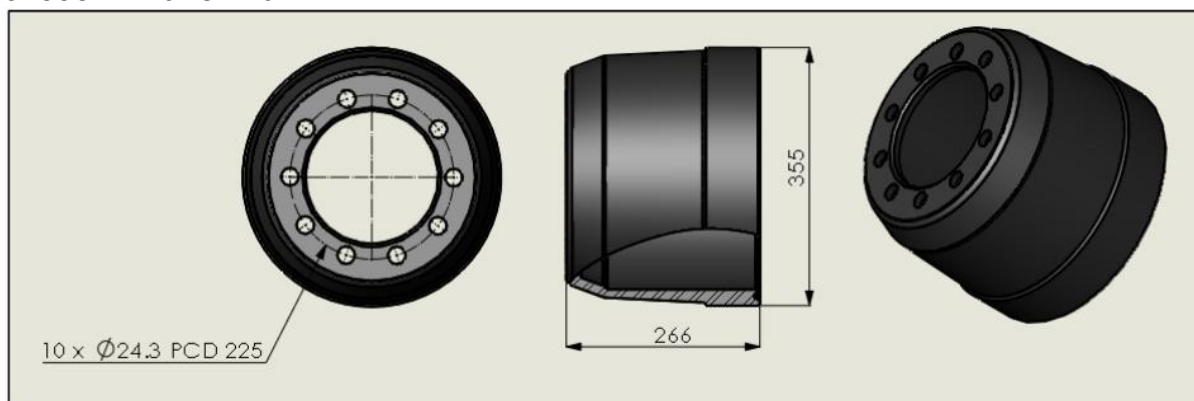
61290 – Adjusting Nut



61535 – Brake Drum with dust cover lip is no longer available



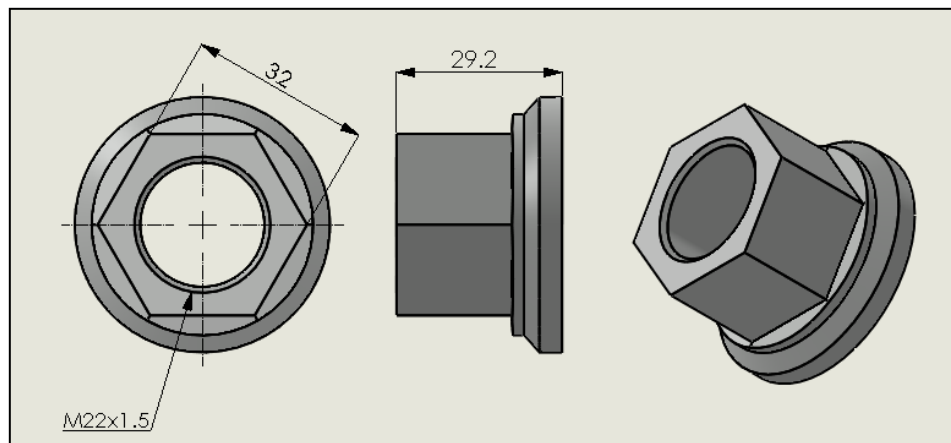
61535 – Brake Drum



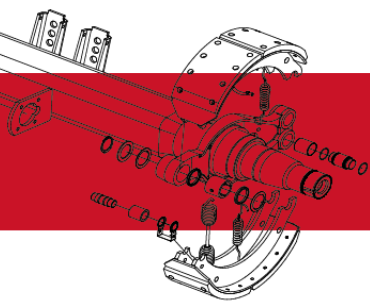
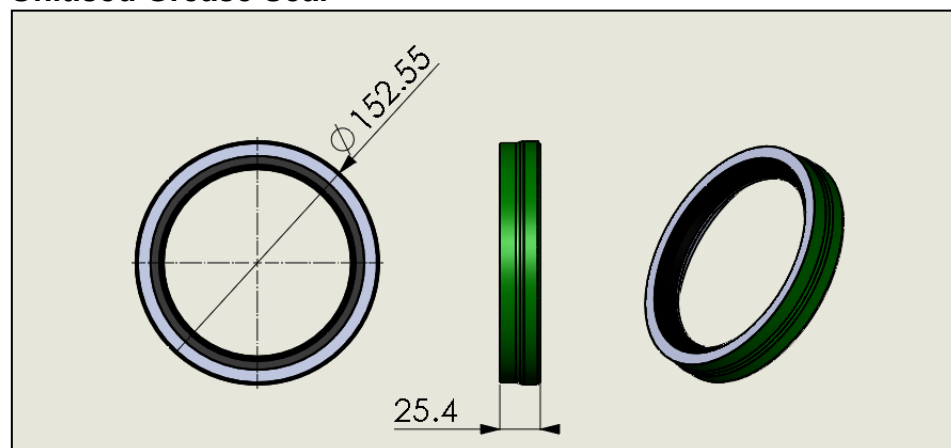
Wheel Bolt



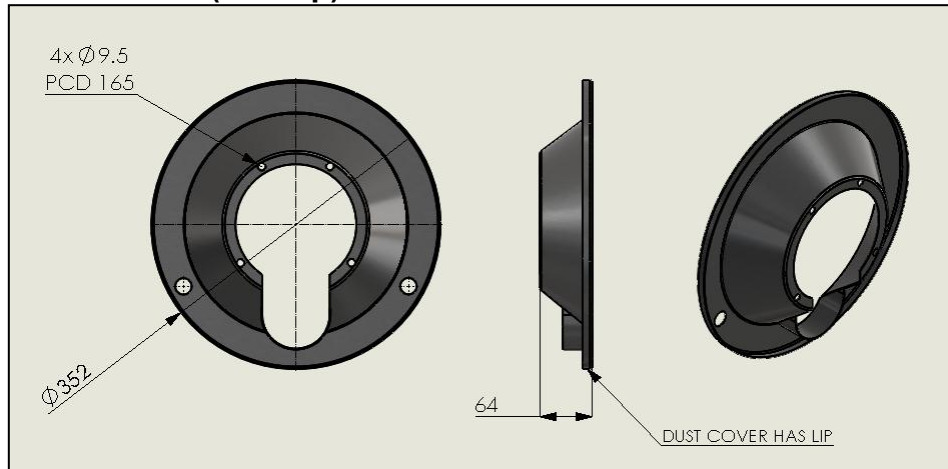
61381Z – ISO Wheel Nut M22



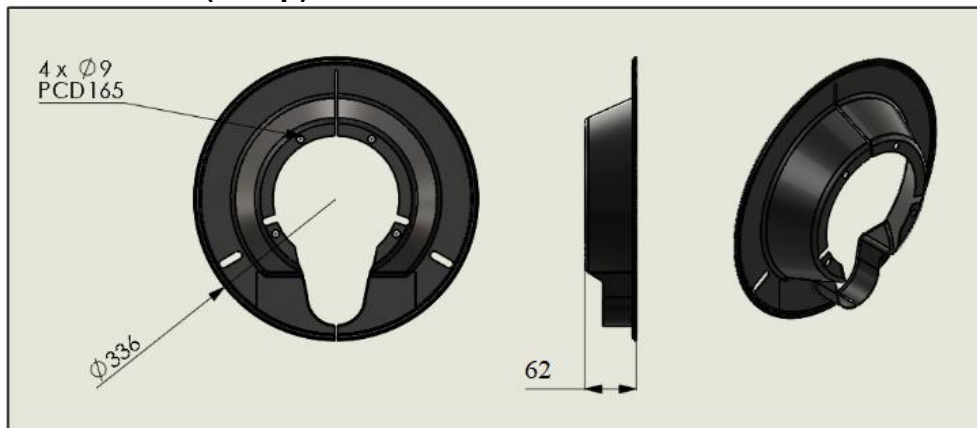
61282 – Unitised Grease Seal



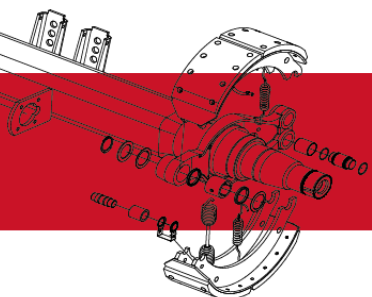
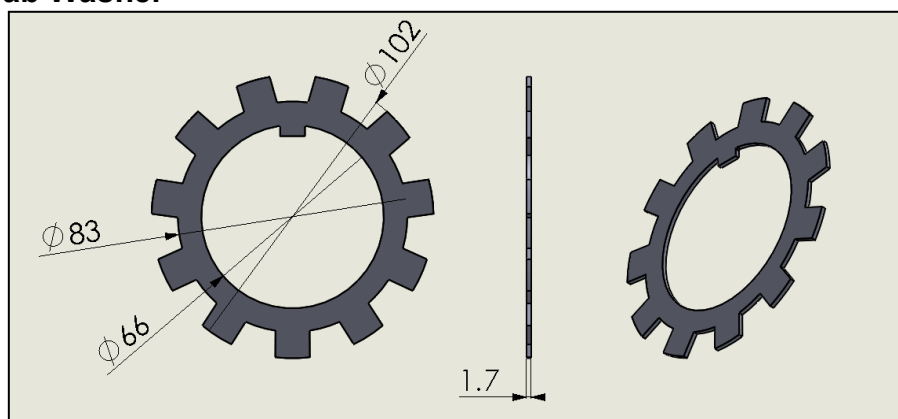
61620A – Dust Cover (with lip)

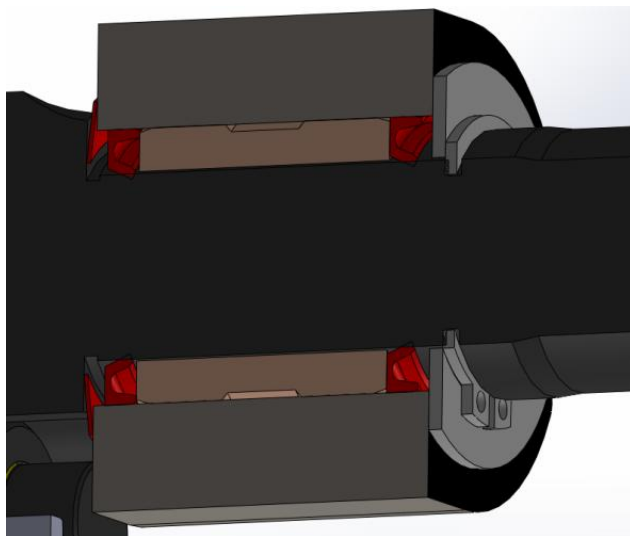
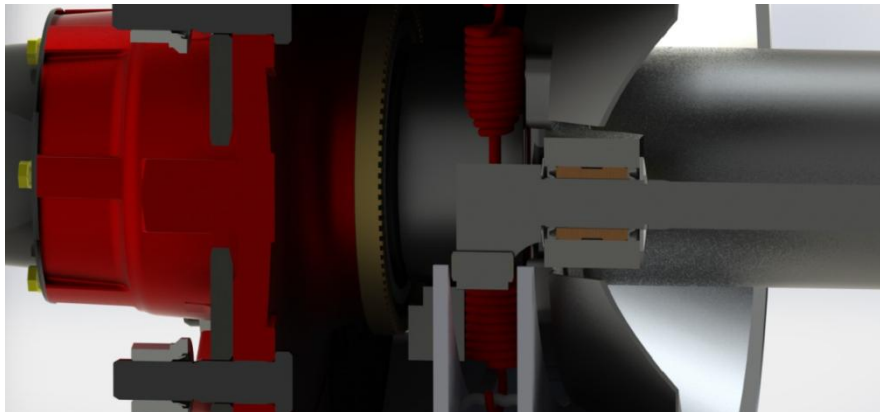


61620 – Dust Cover (no lip)

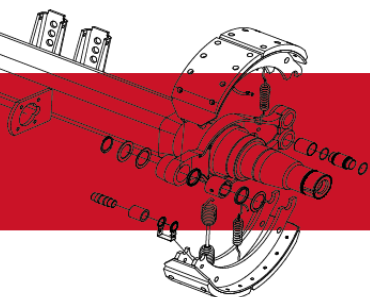


61311 – Tab Washer



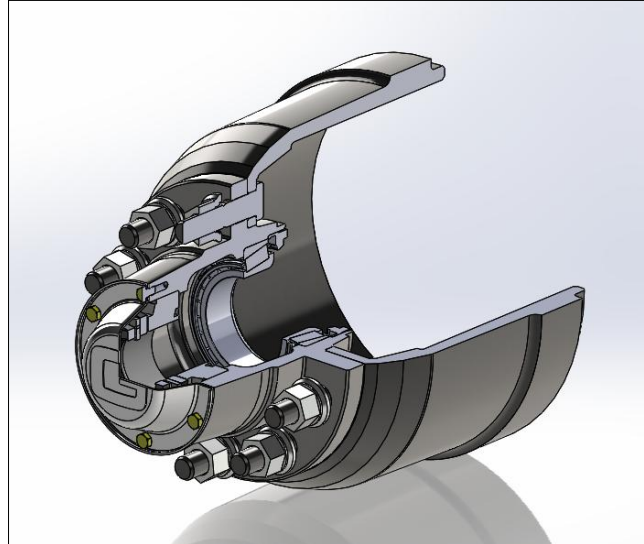


The direction of the grease seals in the anchor bracket is important as well as the position of the beveled washer between the anchor bracket and camshaft head.



Ordering Of Sub-Assemblies

It is possible to order sub-assemblies of parts from Granning rather than ordering individual parts.

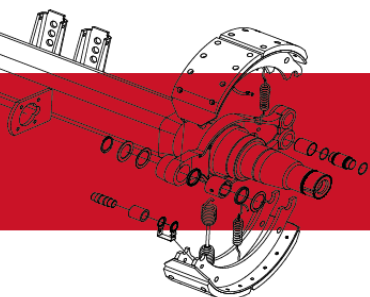


71000A – Twin Wheel Stud Hub and Drum Assembly 71000AW – 71000 with 1 x 80 tooth pole wheel 61787

Part Number	Quantity	Description
61535	1	Drum
61520	1	Hub
61270F	1	Outer bearing
61260F	1	Inner bearing
61363	10	Twin wheel stud
61381Z	10	ISO wheel nut

HCL-A – Hub Cap and spindle nut assembly

Part Number	Quantity	Description
61330A	2	Gasket
61322A	2	Hub cap - Silver
61351	12	M8 bolts
61310	2	Lock nut
61300	2	Lock washer
61311	2	Tab washer
61290	2	Adjusting nut
61353	12	M8 spring washer



61083 – 300 Series Brake Shoe Kit

Part Number	Quantity	Description
61660	1	Return spring
61141	2	Brake shoe retaining spring
61150	2	Spring anchor bar
61210	2	Sleeve cam roller
61230	2	Spindle cam roller
61220	2	Retainer cam roller
61200B	2	Bush anchor pin
61171	2	Anchor pin

61081 – Camshaft Bush Kit

Part Number	Quantity	Description
61080	1	Spherical bearing
61055	1	Camshaft sintered bush
61056	2	Camshaft grease seal
61057	2	Beveled camshaft washer
61058	2	Camshaft support washer
61120	2	Camshaft circlip

We reserve the right to make changes to specifications or to make improvements to the products in this catalogue without prior notice. We are not responsible for inaccuracies or omissions.

