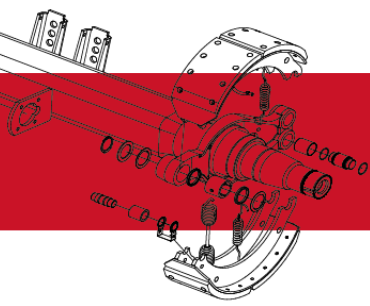


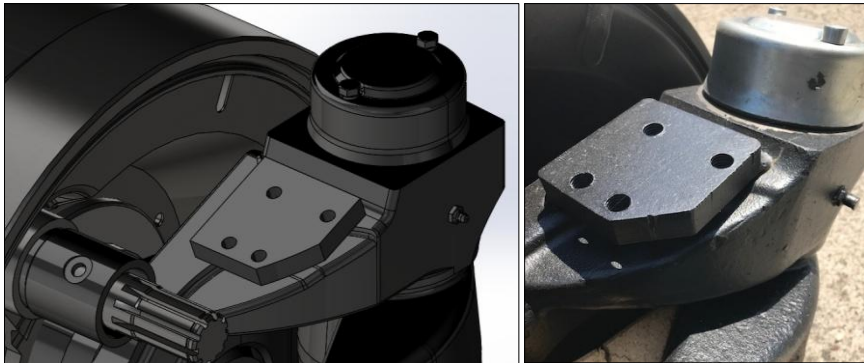
Steer Axle Spare Parts

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



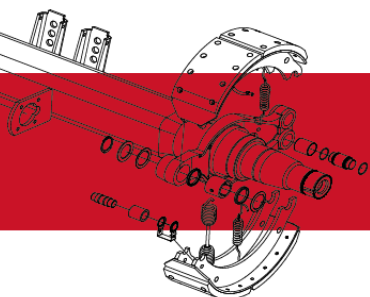
STEER AXLE IDENTIFICATION

- 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.



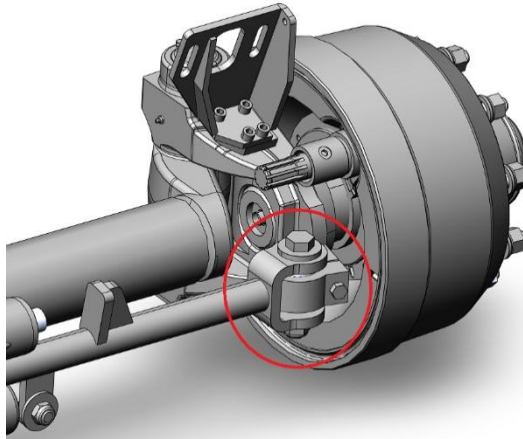
100 A Series

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



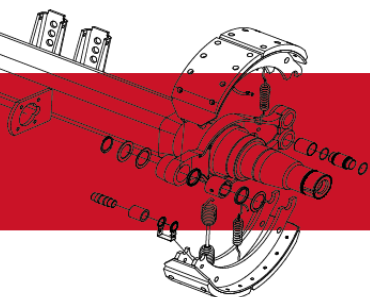
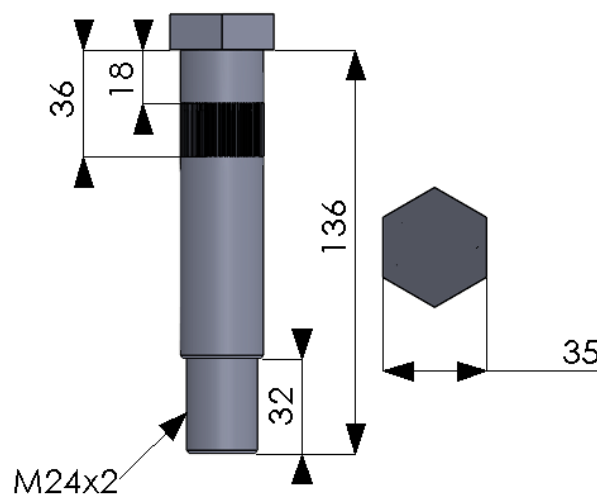
100A Steer Axle Parts

Track Rod Bush Parts

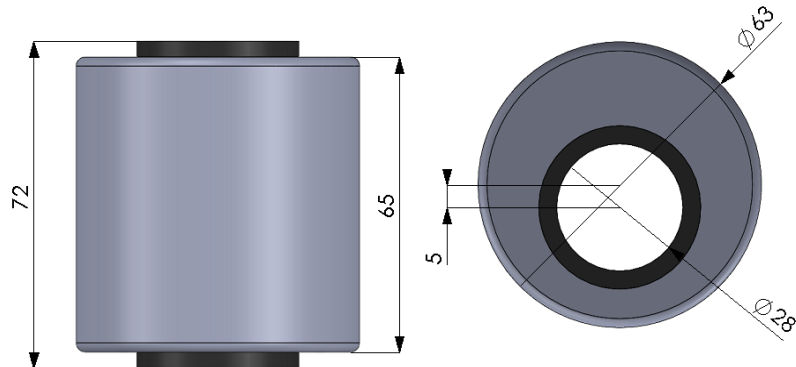


Part No.	Description	QTY per Steer Axle
37092	Track Rod Bush Bolt M24x104x2.0	2
37096	Track Rod Eccentric Bush	2
37094	Track Rod Bush Nut M24x2.0	2
37098	Track Rod Bush Pinch Bolt M14x55	2
37099	Track Rod Bush Pinch Bolt Spring Washer	2
SK200	Track Rod Bush Kit (includes all of the above)	1

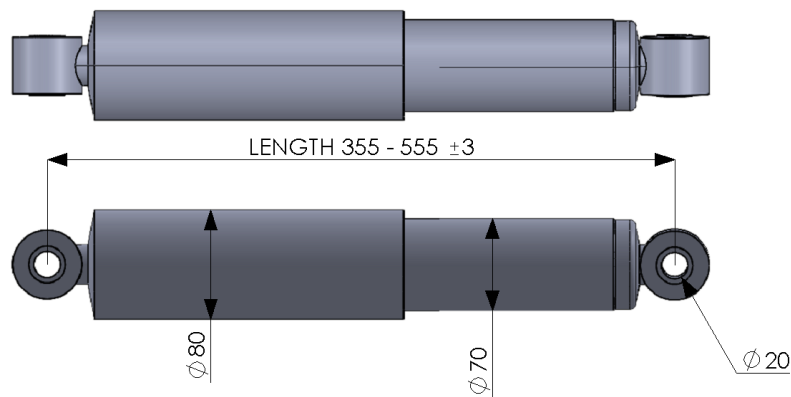
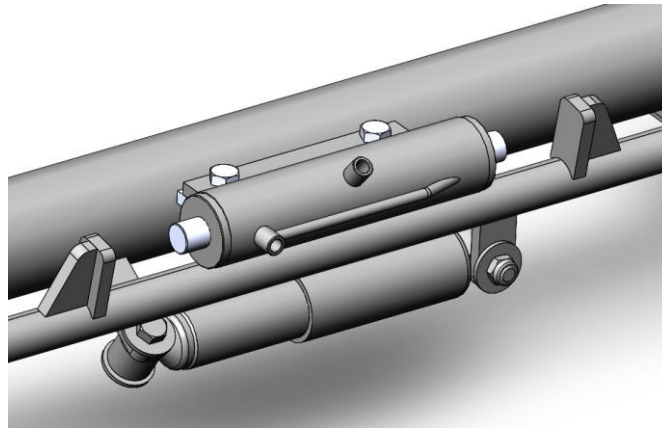
37092 – Track Rod Bush Bolt



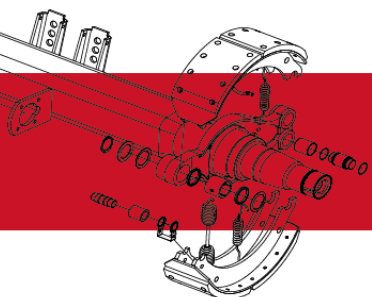
37096 – Track Rod Eccentric Bush



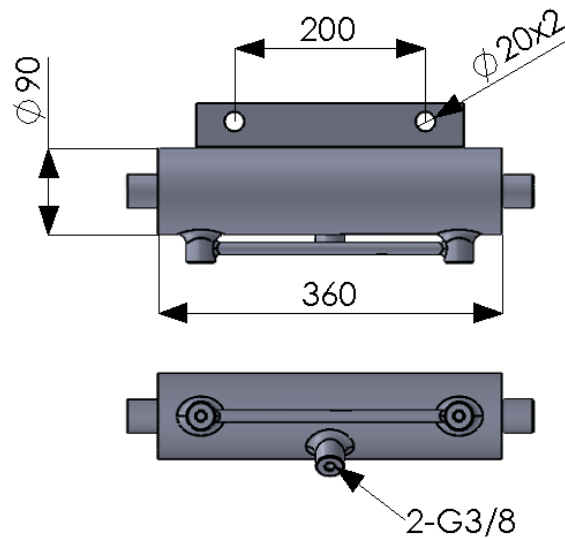
Shock Absorber Parts



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



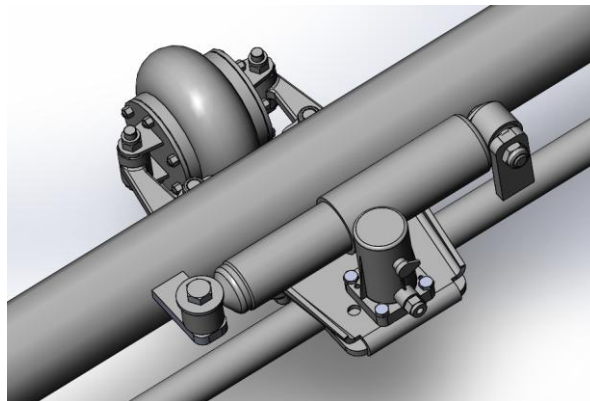
Hydraulic Ram Parts



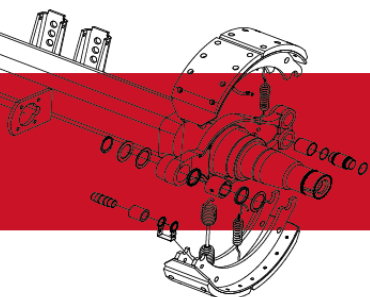
Part No.	Description	QTY per Steer Axle
37179	Hydraulic Ram (Self Steer)	1
37105	Hydraulic Ram Mounting Bolt M20x1.5x60	2
37102	Hydraulic Ram Bolt Locknut M20	2
SK300	Hydraulic Ram Kit (Includes all of the above)	1

(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

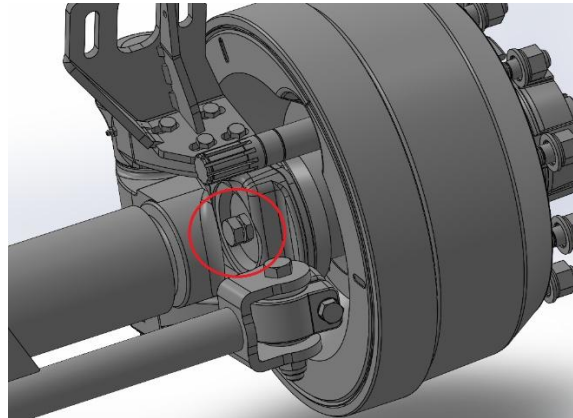


Part No.	Description	QTY per Steer Axle
37110	Torpress Bag	1
37007	Torpress Bag Kit	1
37111	Air-To-Unlock Cylinder	1
40059	Air-To-Lock Cylinder	1
37090	Air-To-Unlock/Lock Cylinder Bolts M10x25	4

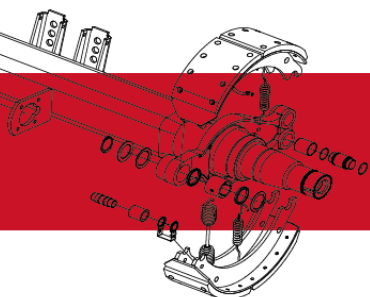
(40058 is alternative to 37111)

(37109 is alternative to 37007)

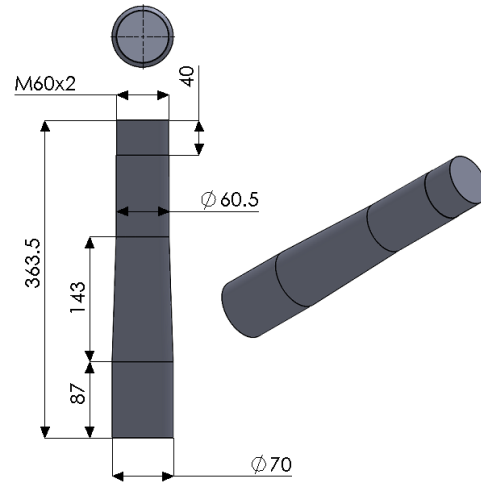
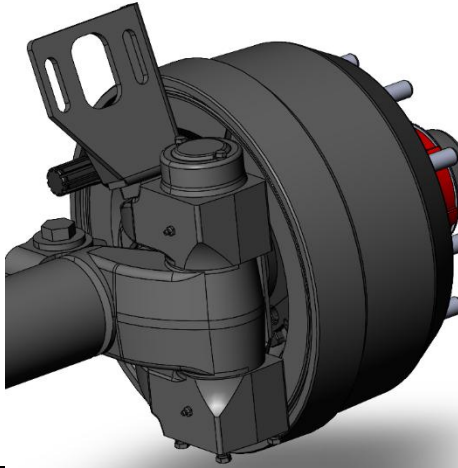
Steer Angle Adjusting bolts



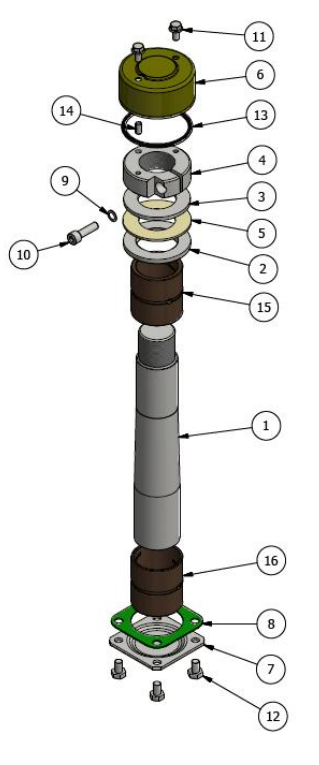
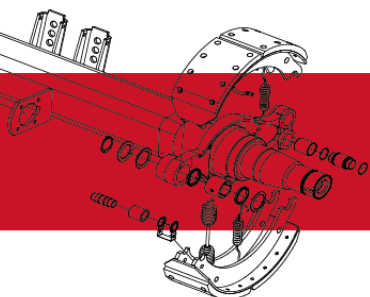
Part No.	Description	QTY per Steer Axle
37084	Steer Angle Limiting Bolt M20x40	2
37083	Steer Angle Limiting Nut M20	2



Kingpin Parts

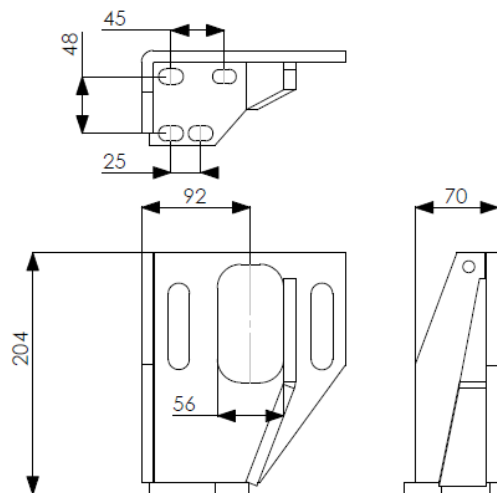


Item No.	Part No.	Description	QTY per Steer Axle
1	37071	Kingpin	2
2	37065	Seal Washer	2
3	37063	Lock Washer	2
4	37058	Kingpin Clamp Ring	2
5	N/A	-----	-
6	37054	Kingpin Cap	2
7	37073	Kingpin Bottom Cap	2
8	37291	Square Cap Gasket	2
9	N/A	-----	-
10	37060	Kingpin Pinch Bolt M10x35	2
11	37052	Kingpin 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

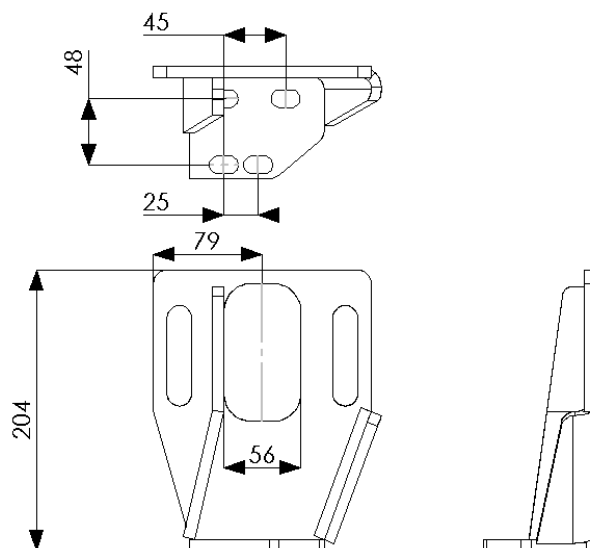



Air Chamber Bracket

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



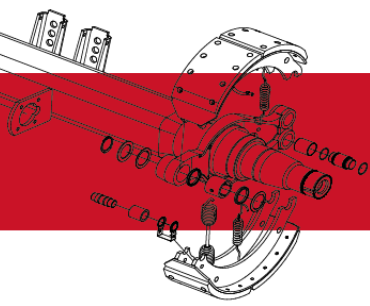
37249L Left shown below (37249R right) – Straight slack A ACB



ACB bolts

M12x25x1.75 Cap Bolts 37089

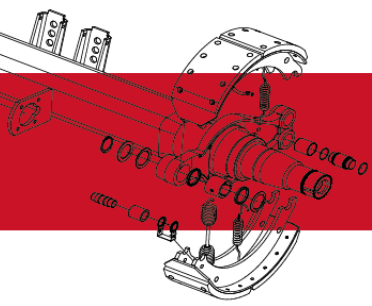
M12 Washer 37387



37158 – Hydraulic ram (37103) replacement seals

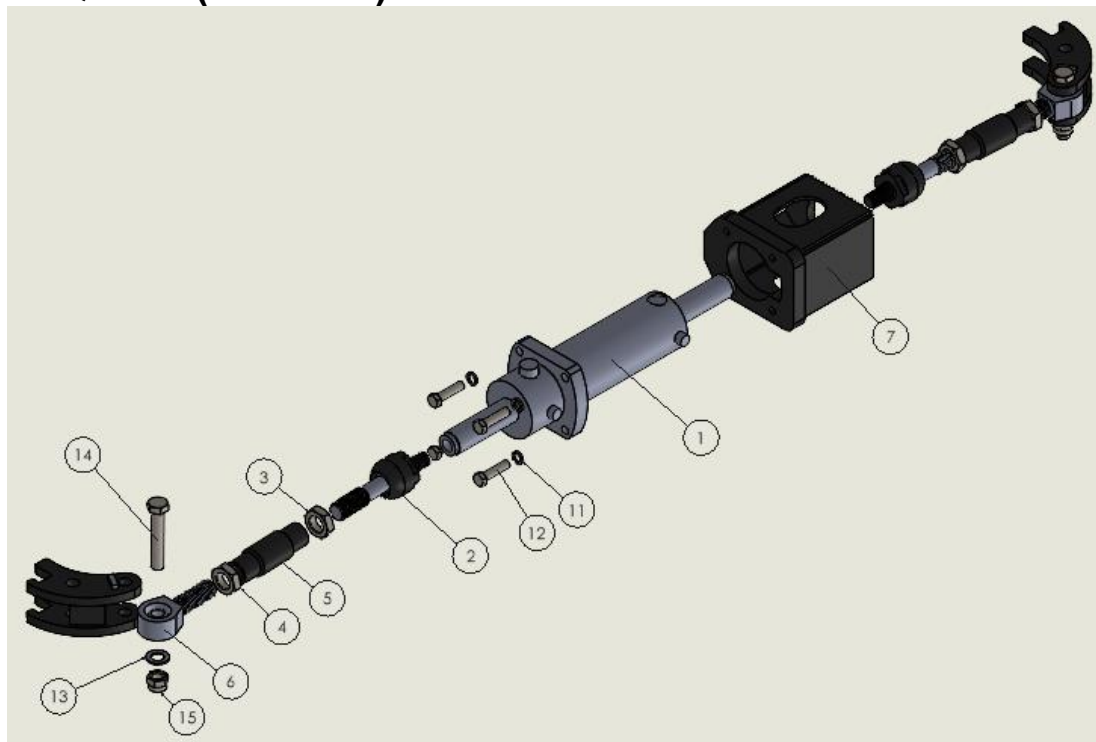


37217 – Hydraulic ram (37179) replacement seals

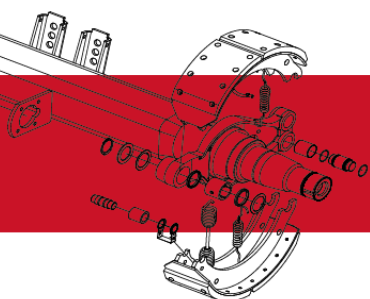


TIS Series Spare parts

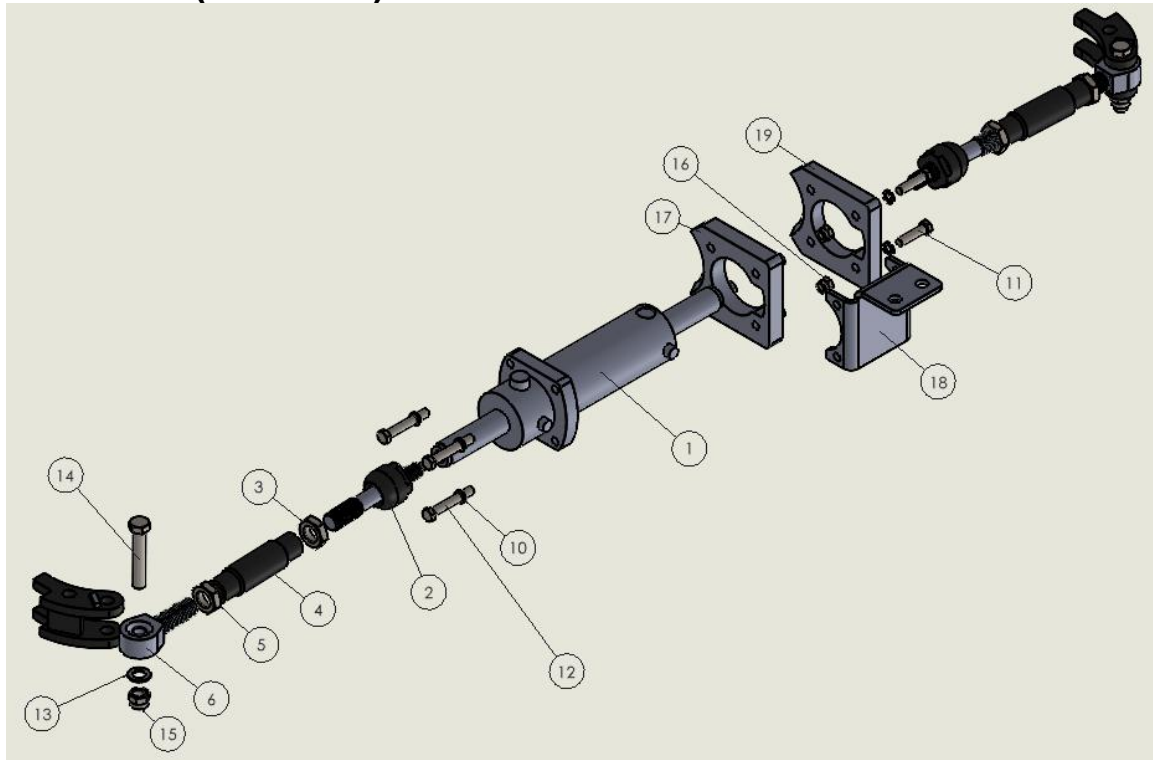
150SQ axle (420x180)



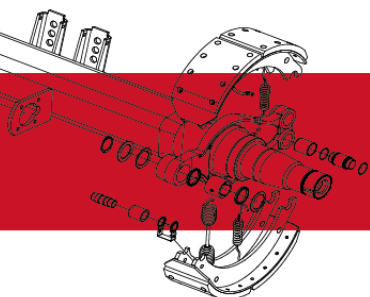
Item No.	Part No.	Description	QTY per Steer Axle
1	37253	HYD. STEER CYLINDER (100mm)	1
2	37254	BALL JOINT	2
3	37275	THIN NUT M30X2 LH	2
4	37276	THIN NUT M30X2	2
5	37282	CONNECTING ROD (110mm)	2
	37255	CONNECTING ROD (145mm)	
	37266	CONNECTING ROD (180mm)	2
6	37256	ROD END BEARING	2
7	37264	CYLINDER BRACKET 150SQ AXLES	1
11	61349	WASHER - M14	4
12	37274	BOLT M14x55	4
13	37277	WASHER - 21x37x3	2
14	37273	BOLT - M20 x110	2
15	37278	LOCK NUT - M20	2



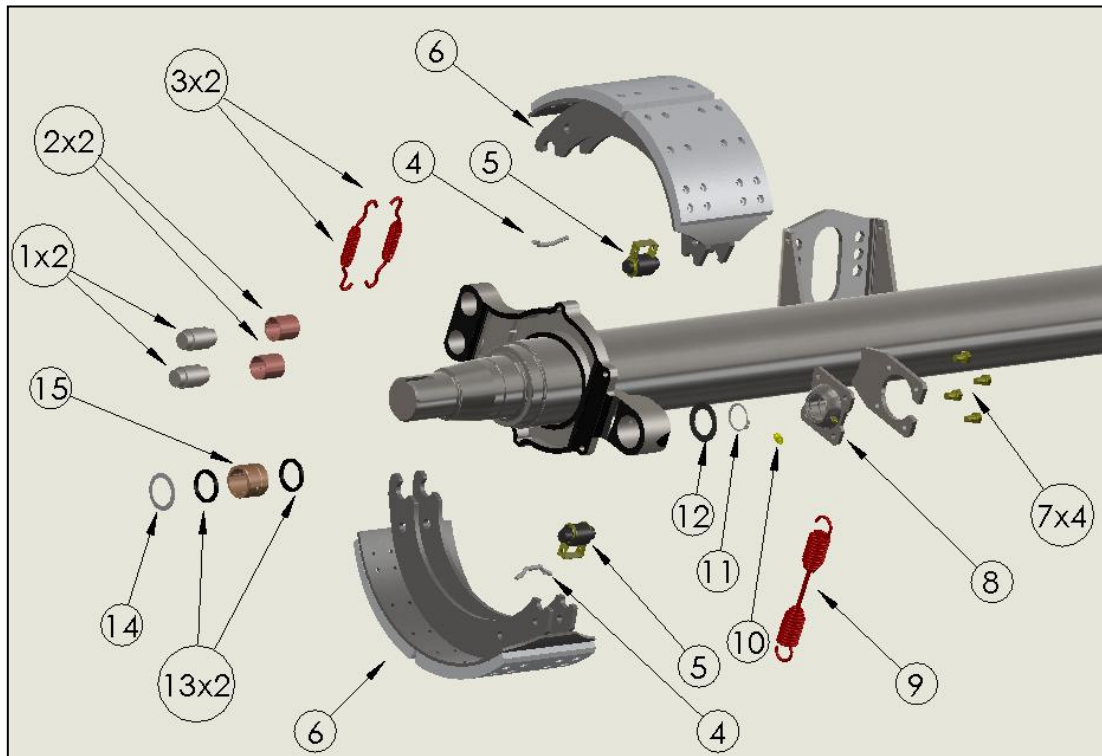
Ø127 axle (420x180)



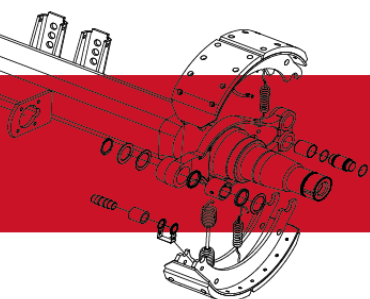
Item No.	Part No.	Description	QTY per Steer Axle
1	37253	HYD. STEER CYLINDER (100mm)	1
2	37254	BALL JOINT	2
3	37275	THIN NUT M30X2 LH	2
4	37282	CONNECTING ROD (110mm)	2
	37255	CONNECTING ROD (145mm)	2
	37266	CONNECTING ROD (180mm)	2
5	37276	THIN NUT M30X2	2
6	37256	ROD END BEARING	2
10	61349	WASHER - M14	6
11	37274	BOLT M14x55	2
12	37289	BOLT M14x90	4
13	37277	WASHER - 21x37x3	2
14	37273	BOLT - M20 x110	2
15	37278	LOCK NUT - M20	2
16	71668	LOCK NUT - M14	6
17	37268	CYLINDER BRACKET (30mm)	1
18	37283	SUPPORT BRACKET	1
19	37267	CYLINDER BRACKET (25mm)	1



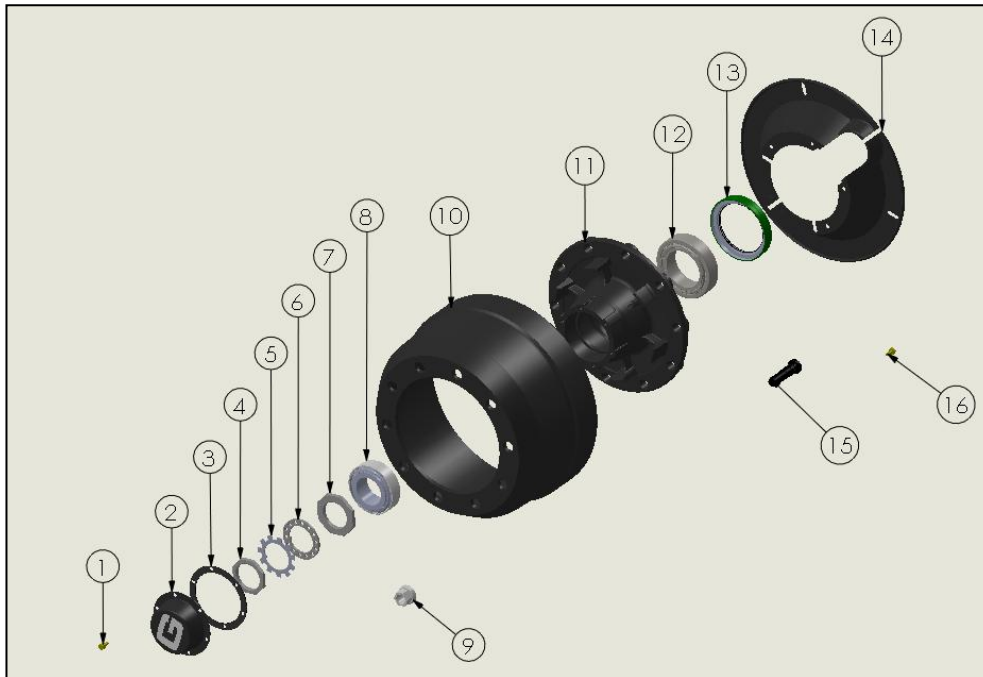
420 x 180 – 100 “A” Series Quick Fit Brake Assembly



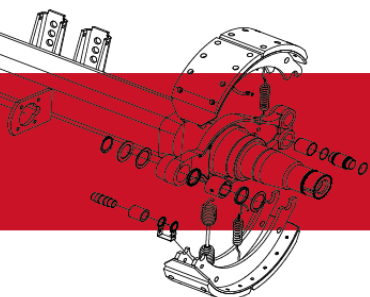
Item	Description	Part No.	QTY per Axle
1	Anchor Pin	61171	4
2	Bush Anchor Pin	61200B	4
3	Brake Shoe Retaining Spring	61141	4
	Brake Shoe Assembly	61157GA	4
(4)	Spring Anchor Bar	61150	(4)
(5)	Retainer Cam Roller	61220	(4)
	Cam Roller	61230	(4)
	Sleeve Cam Roller	61210	(4)
(6)	Brake Shoe (GLAT26-29)	61157G	(4)
7	M10x 20 Screw	61359	8
8	Camshaft Spherical Bearing	61080	2
9	Spring Return	61140A	2
10	Greaser 1/8 NPT 45°	61110	2
11	Circlip	61120	2
12	Support Washer Camshaft	61058	2
13	Camshaft Grease Seal	61056	4
14	Camshaft Flat Washer	61060	2
15	Camshaft Sintered Bush	61055	2



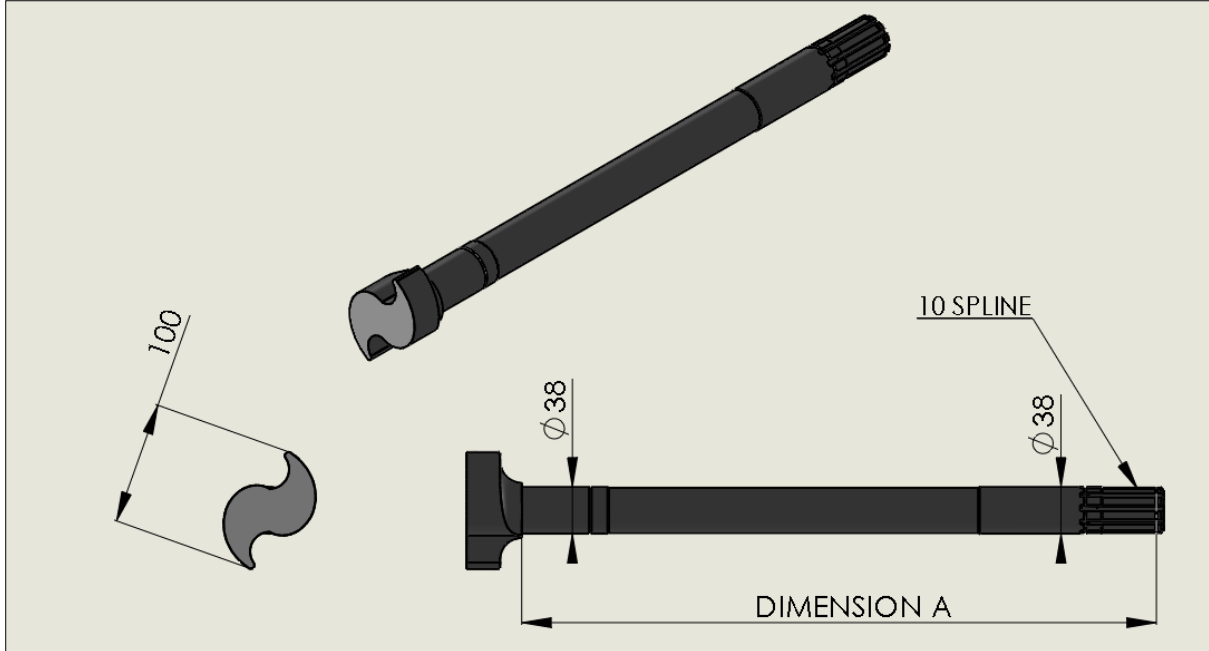
420 x 180 – 100 “A” Series Hub/Drum Assembly



Item	Description	Part No.	QTY per Axle
1	Screw M8 x 16 Fl. Head	61358	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
	DIN Wheel Nut M22	61383	20
	DIN Wheel Nut M22	61411	20
	DIN Nut Outer Cone Washer	61372	20
	DIN Nut Inner Cone Washer	61371	20
10	Brake Drum 10 Stud	61243F	2
11	Hub Spigot 10 Stud	61253	2
12	Inner Bearing	61260F	2
13	Unitised Grease Seal	61282A	2
14	Dust Cover	61390F	2
12	Wheel Bolt M22 ISO (Twin)	61386F	20
	Wheel Bolt M22 ISO (Single)	61388	20
16	Screw M8 x 16 Fl.Head	61358	12



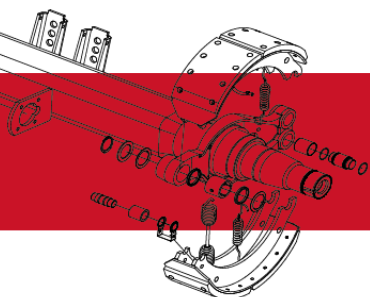
420 x 180 – 100 “A” Series Camshaft Parts List



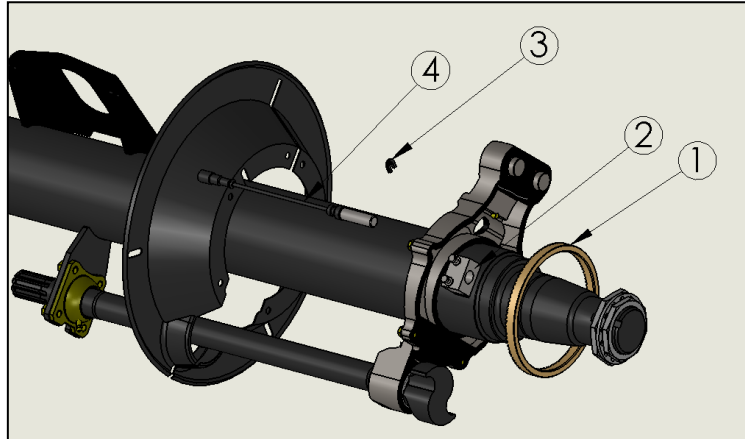
Item	Description (DIM A)	Part No.
1	Left Hand Large Head (519mm)	61065
2	Right Hand Large Head (519mm)	61075
3	Left Hand Large Head (618mm)	61067
4	Right Hand Large Head (618mm)	61077
5	Left Hand Large Head (189mm)	61127
6	Right Hand Large Head (189mm)	61147
7	Left Hand Large Head (212mm)	61061
8	Right Hand Large Head (212mm)	61071
9	Left Hand Large Head (250mm)	61138
10	Right Hand Large Head (250mm)	61148

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

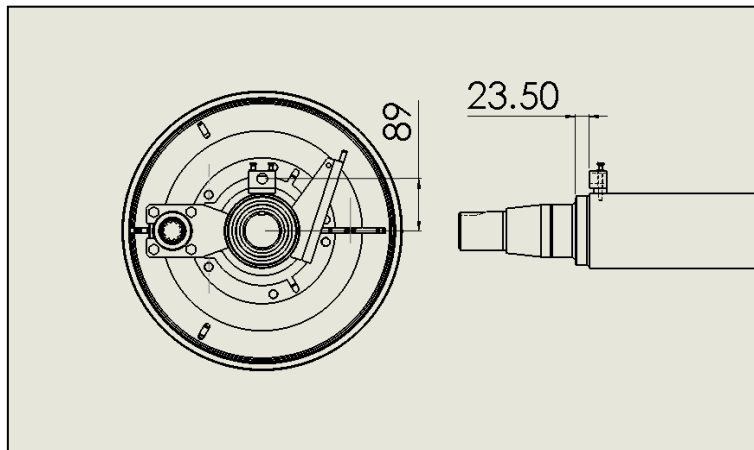
The illustrated camshaft is a right hand camshaft. When looking at the head of the camshaft a right hand cam is Z shaped and a left hand is S shaped.



420 x 180 – 100 “A” Series ABS/Anti-Lock Assembly



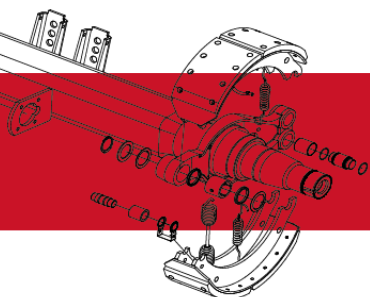
Item	Description	Part No.
1	Pole Wheel	61789
2	Sensor Block	61781
3	Dust Cover Grommet	61557
4	Straight Sensor Lead & Bush	61791



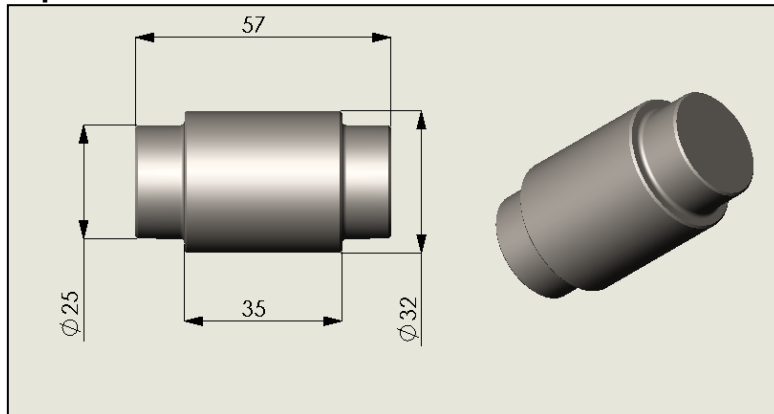
Pole wheel at 178mm PCD

Face of sensor block 23.5mm from large bearing shoulder

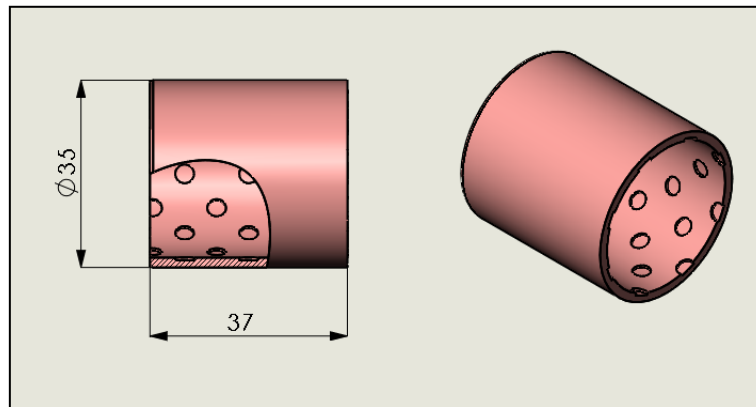
Bolt on ABS block (as shown above) is positioned 90 degrees to camshaft. Weld on style is 180 degrees to camshaft and is in line with hole in anchor bracket.



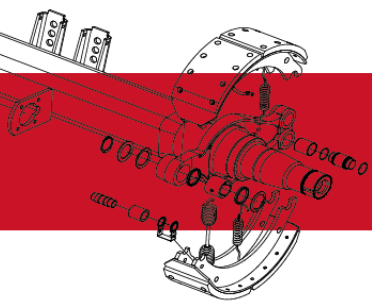
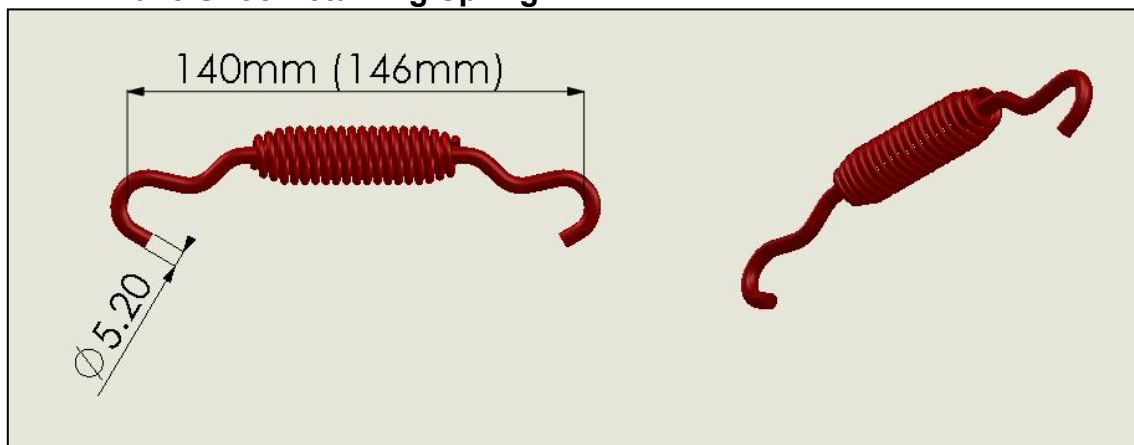
61171 – Anchor pin



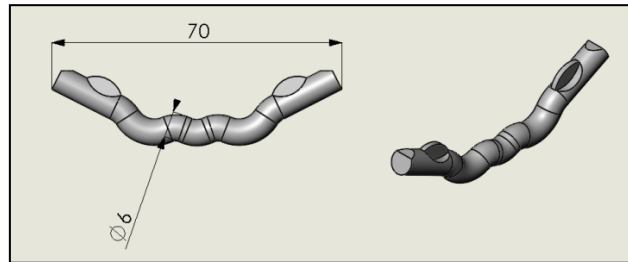
61200B – Bush Anchor Pin



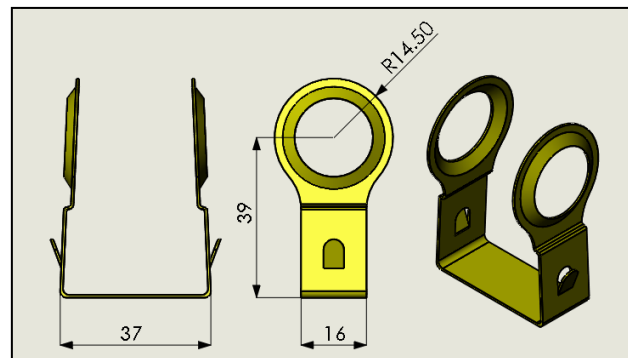
61141 – Brake Shoe Retaining Spring



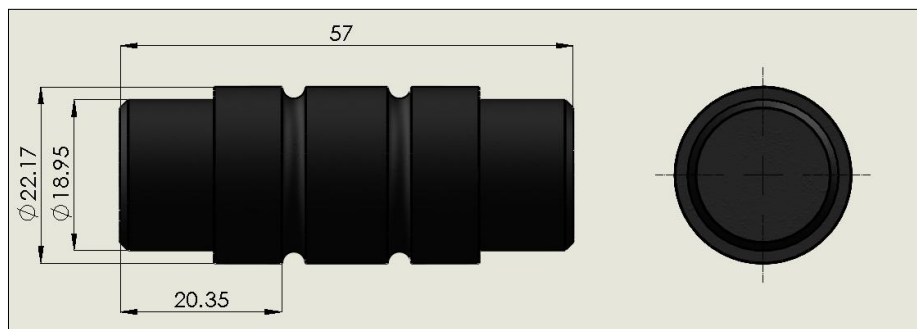
61150 – Spring Anchor Bar



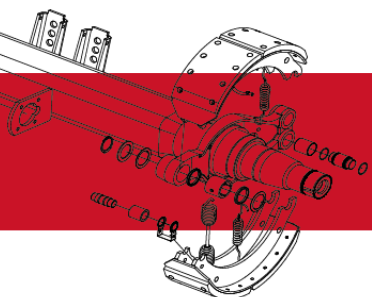
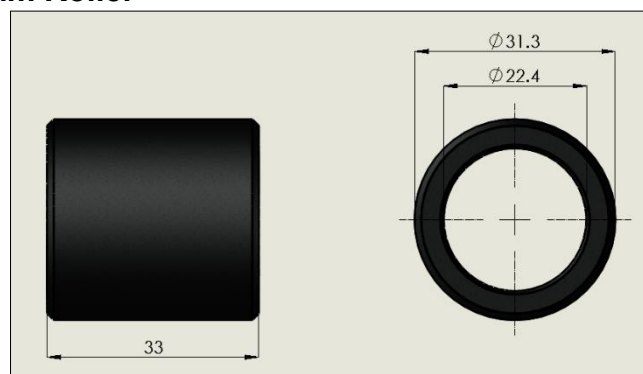
61220 – Retainer Cam Roller



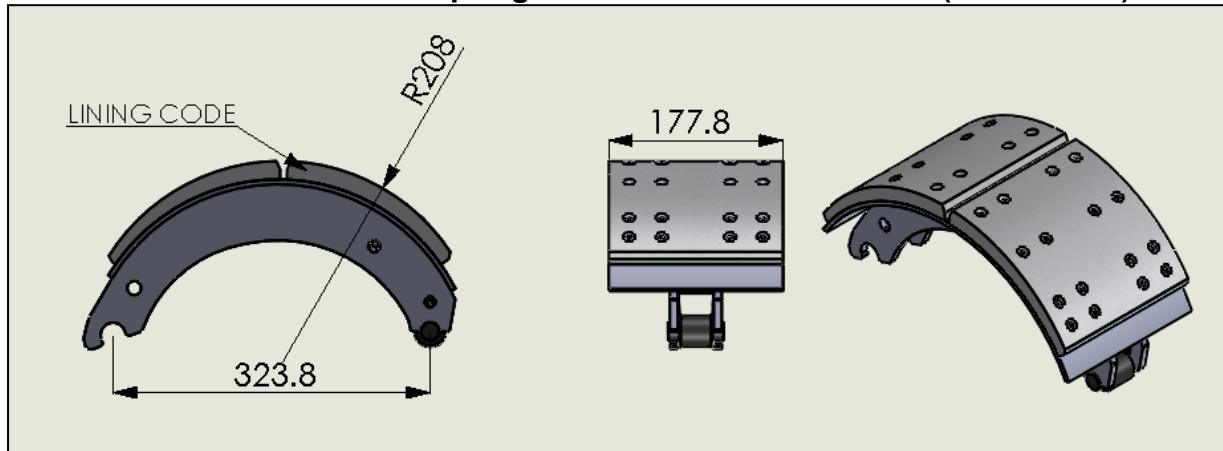
61230 – Cam Roller



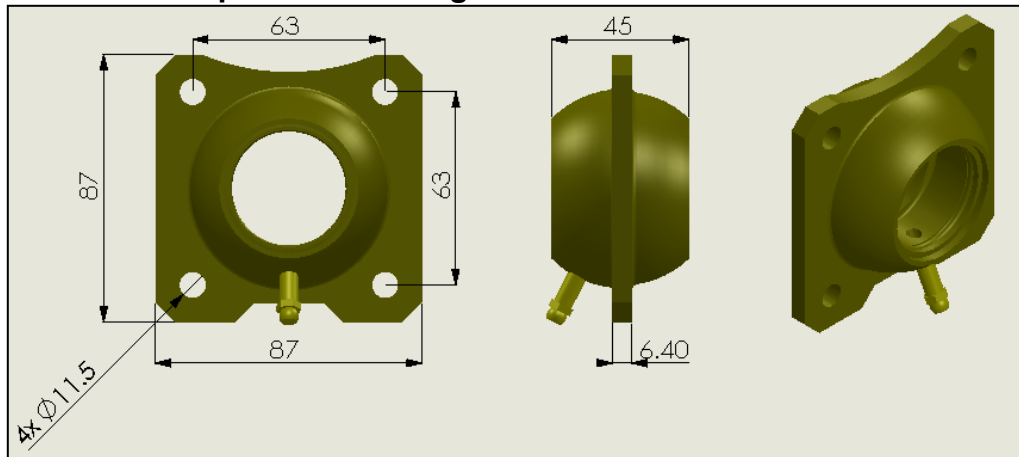
61210 – Sleeve Cam Roller



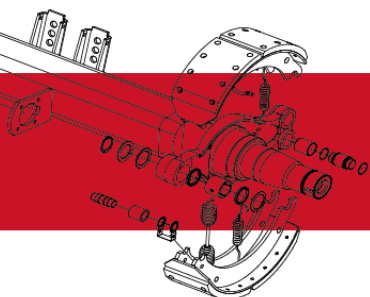
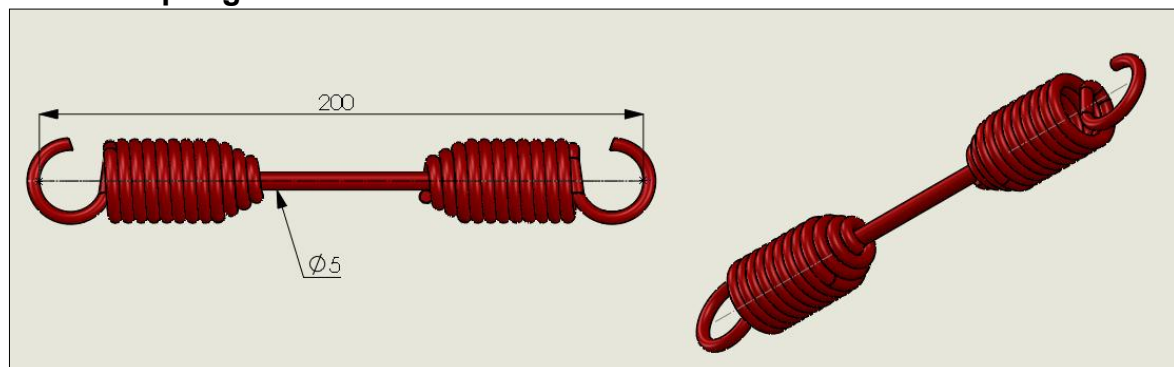
61157GA – Brake shoe with spring anchor bar and cam roller (GLAT26-29)



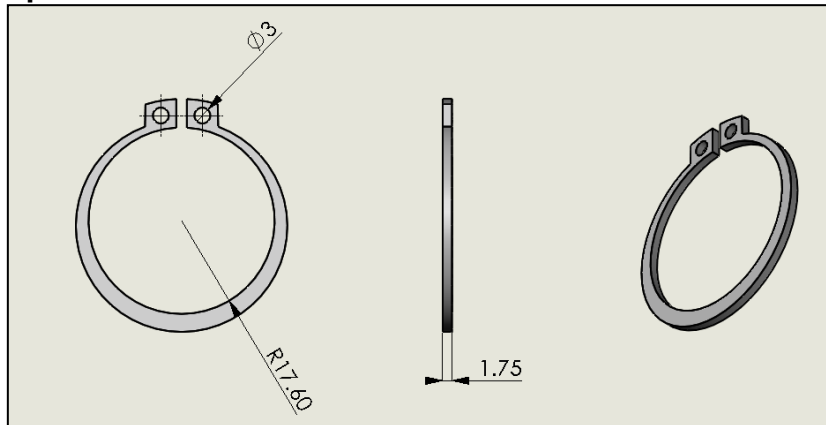
61080 – Camshaft Spherical Bearing



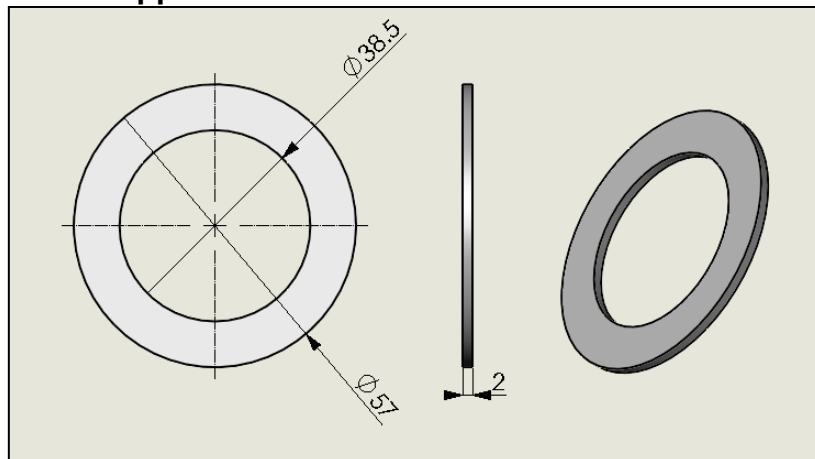
61140A – Spring Return



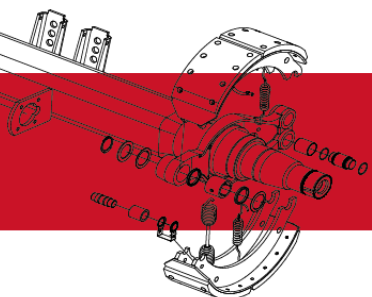
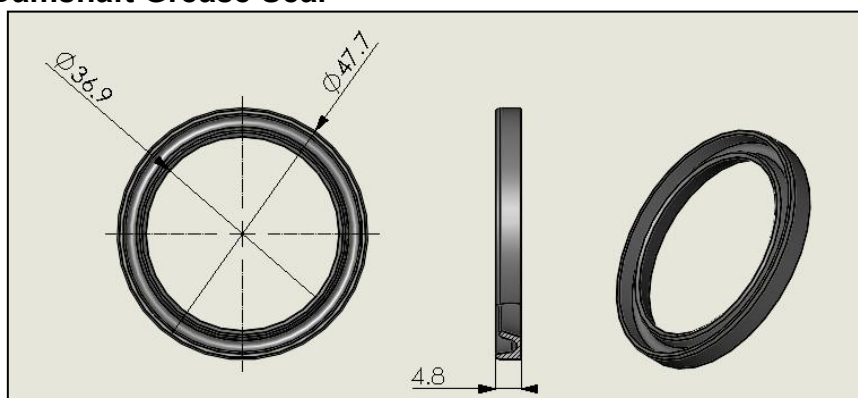
61120 – Circlip



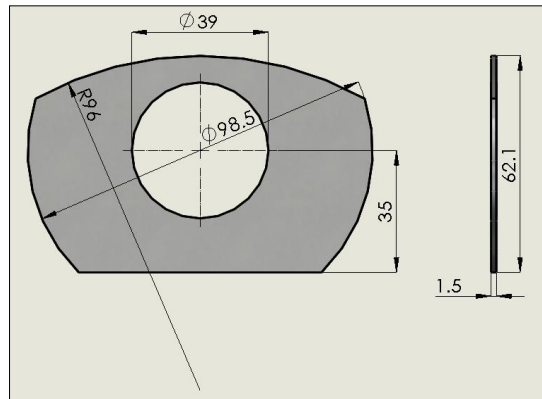
61058 – Camshaft Support Washer



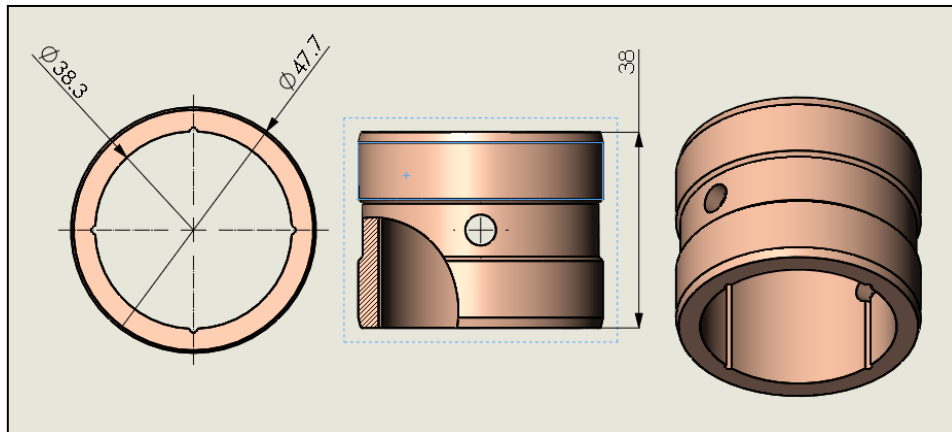
61056 – Camshaft Grease Seal



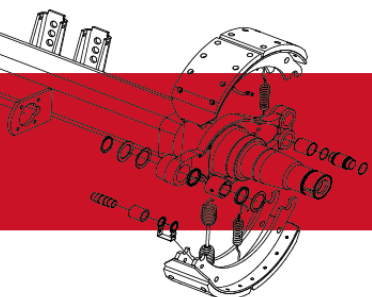
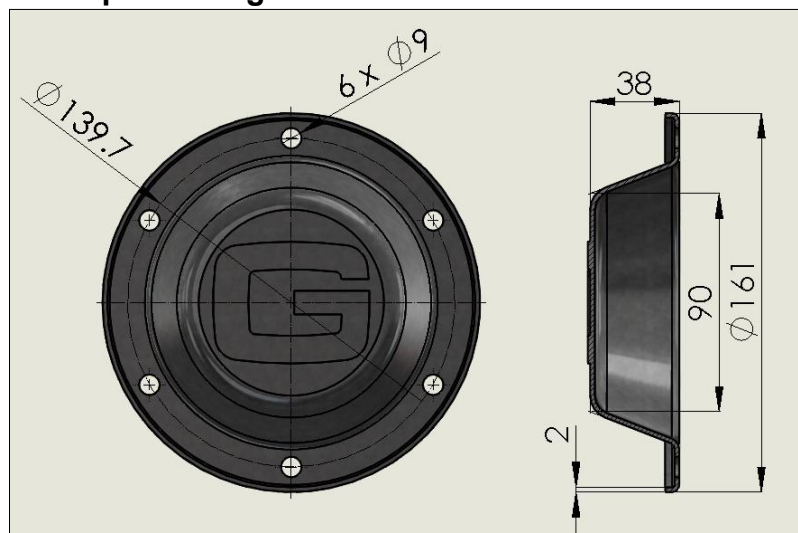
61060 - Camshaft Flat Washer



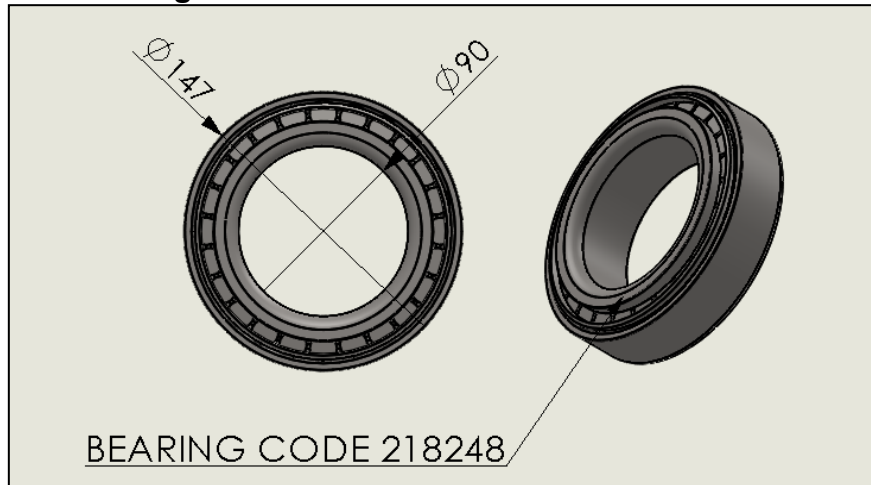
61055 – Camshaft Sintered Bush



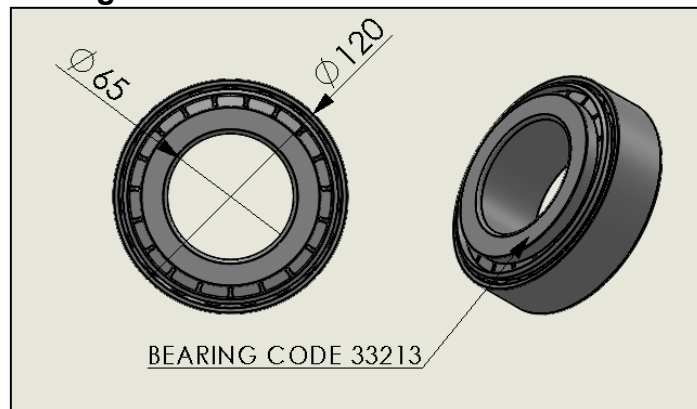
61322A – G Hub Cap Pressing



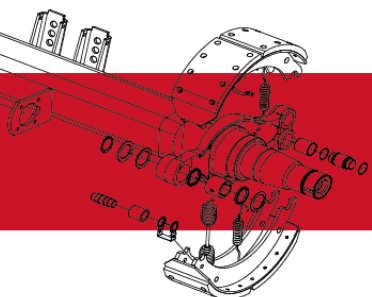
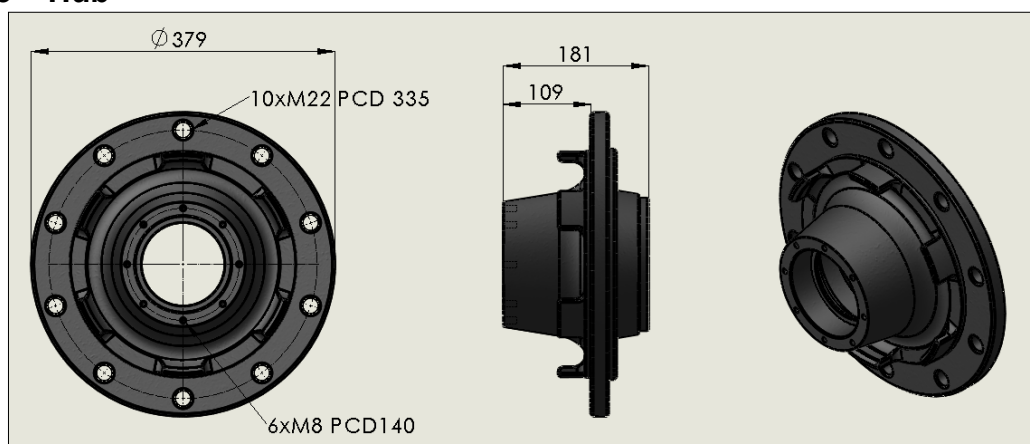
61260F – Inner Bearing and Cone



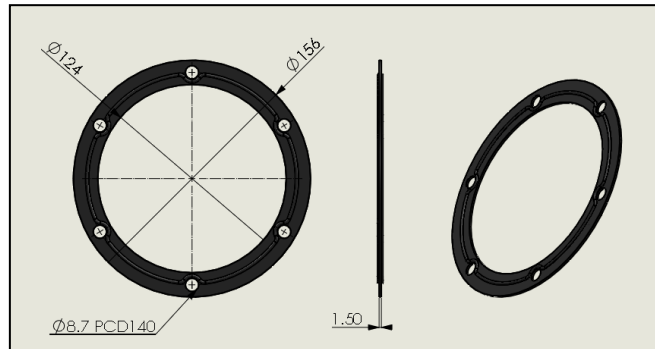
61270F – Outer Bearing and Cone



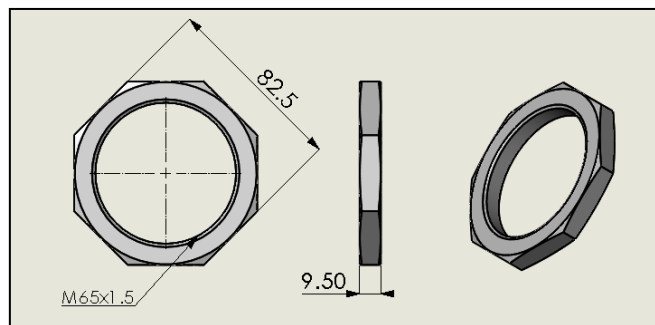
61253 – Hub



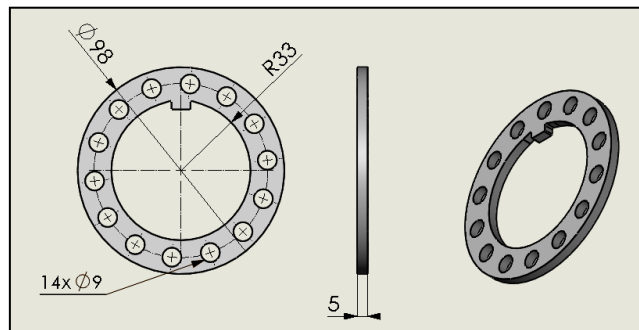
61330A – Gasket



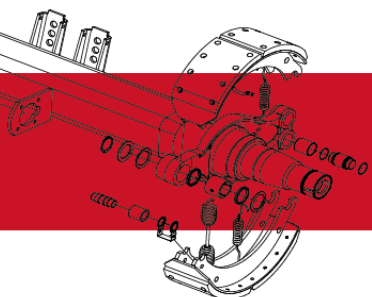
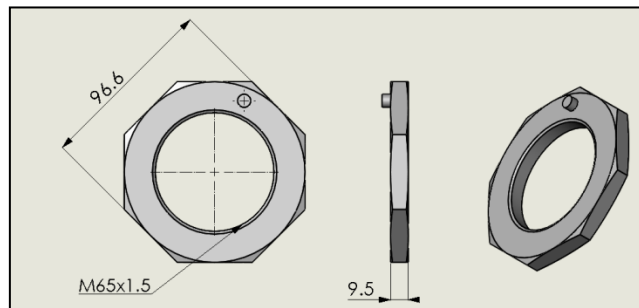
61310 – Locknut



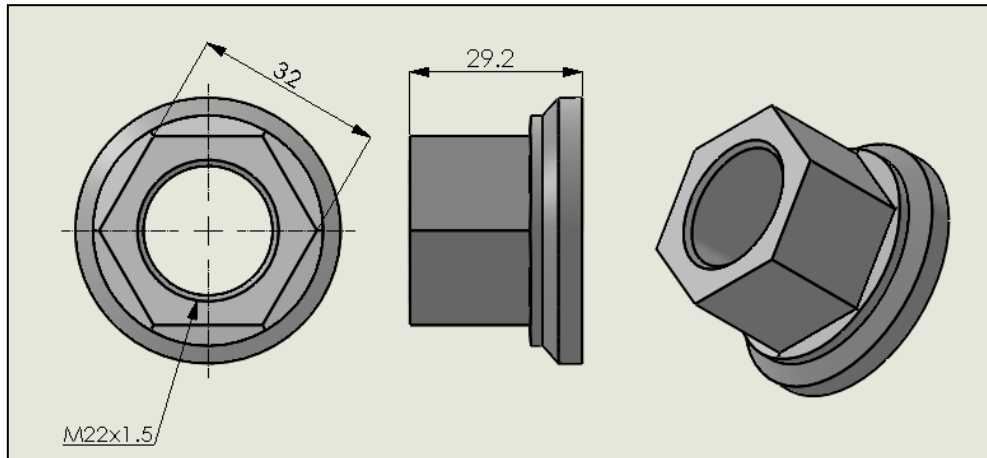
61300 – Lock Washer



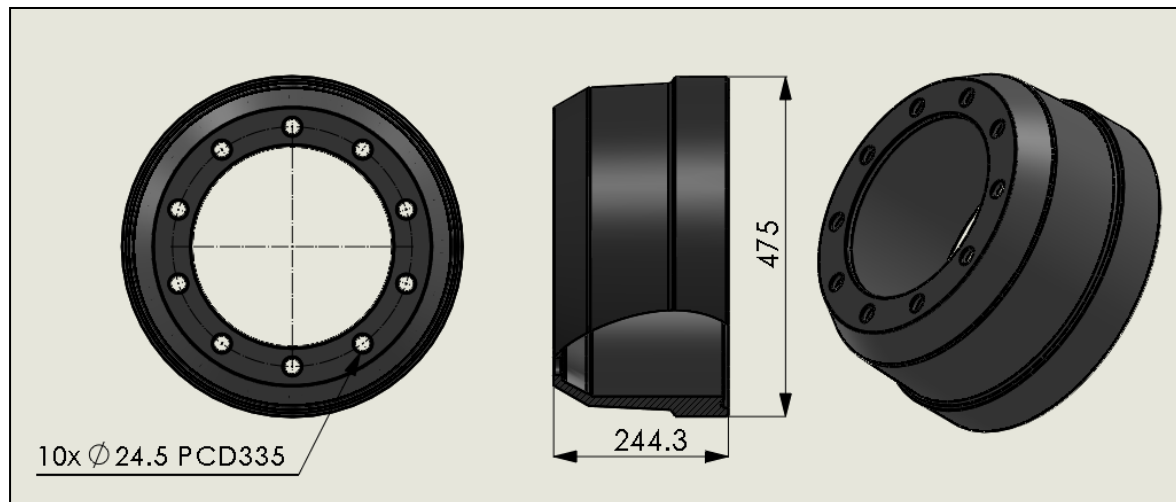
61290 – Adjusting Nut



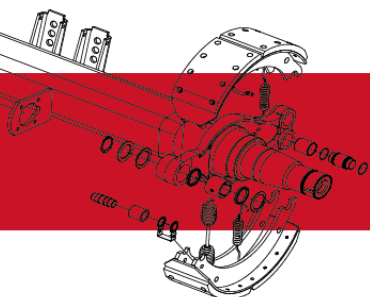
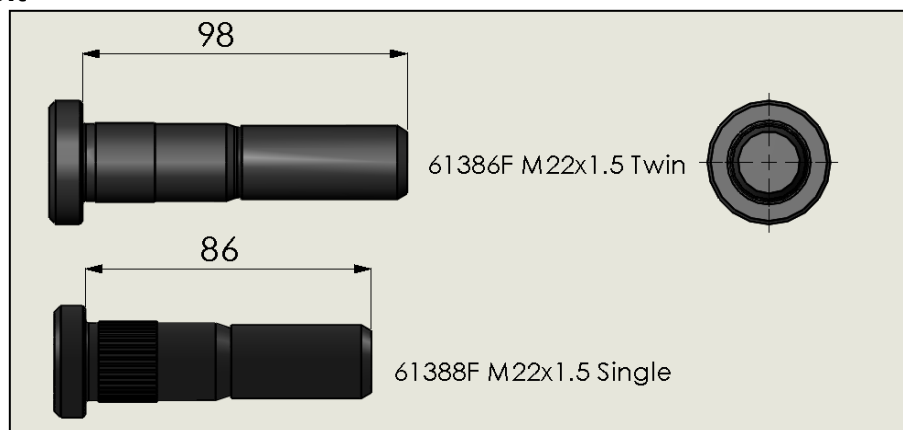
61381Z – ISO Wheel Nut M22



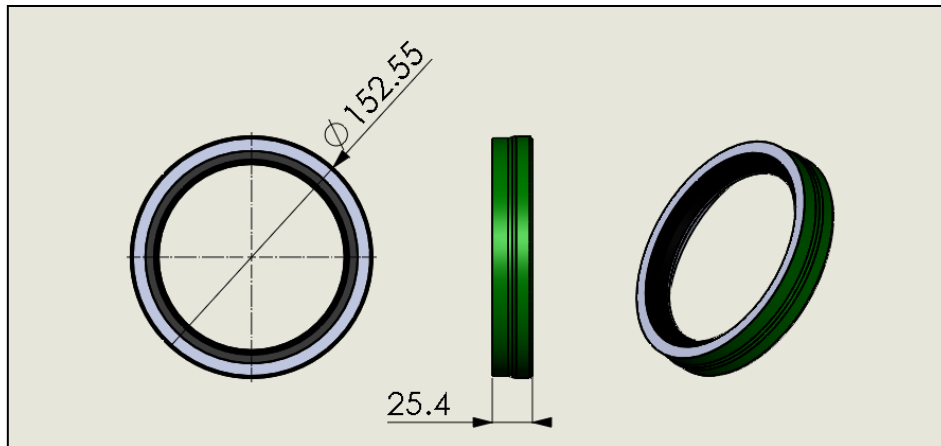
61243F – Brake Drum



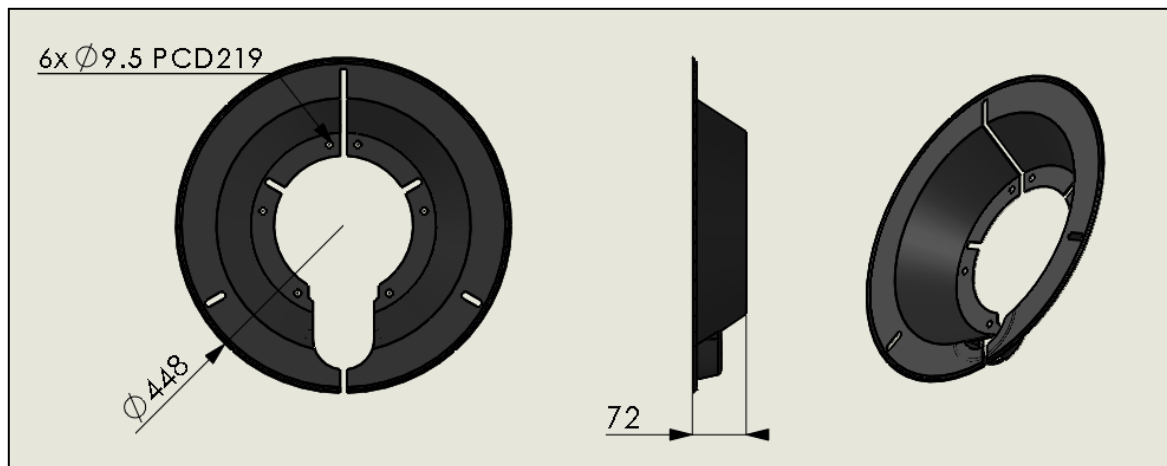
Wheel Bolt



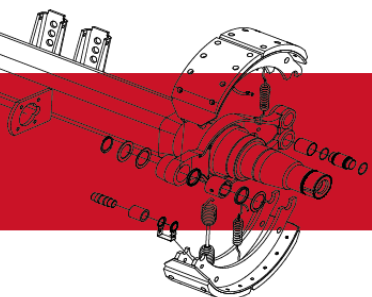
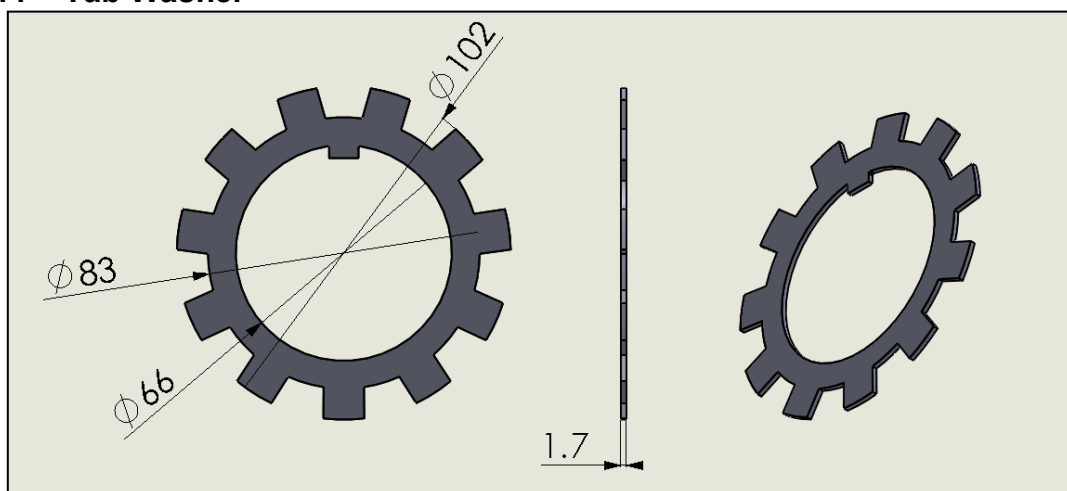
61282F – Unitised Grease Seal

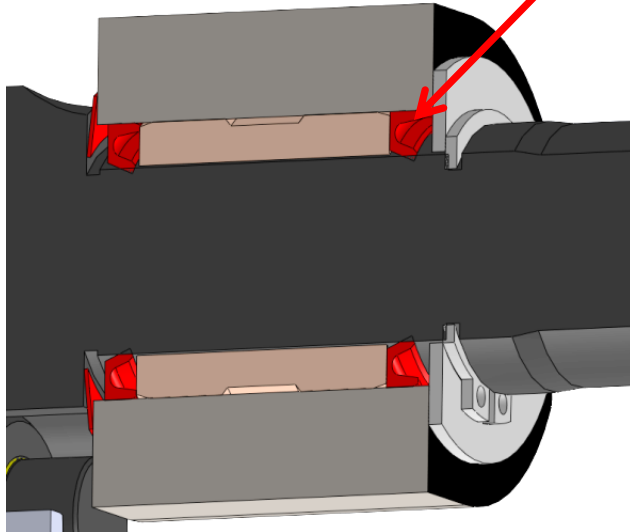
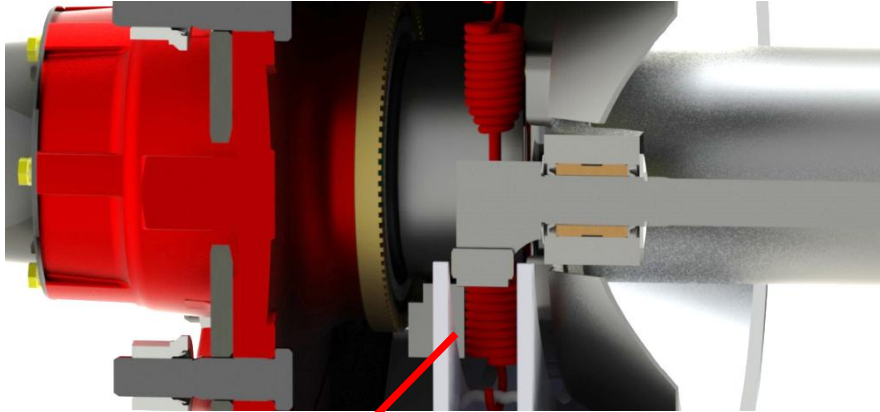


61390F – Dust Cover

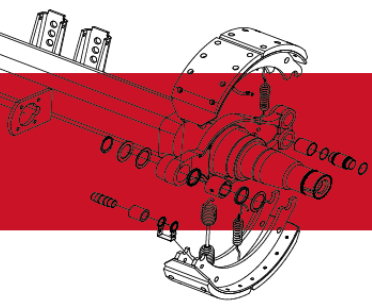


61311 – Tab Washer



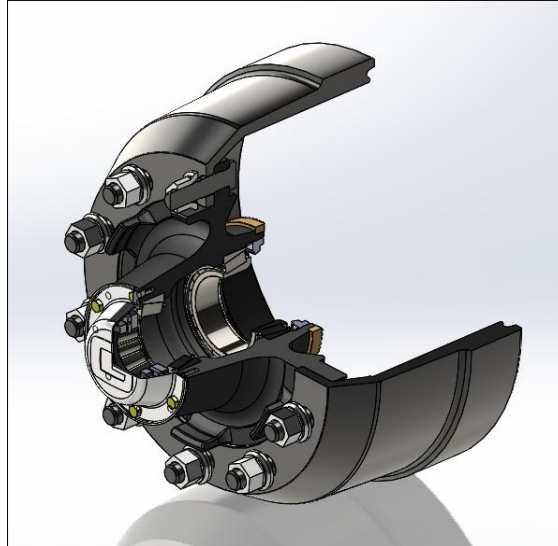


The direction of the grease seals in the anchor bracket is important as well as the position of the beveled washer between the anchor bracket and camshaft head.



Ordering Of Sub-Assemblies

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



71001A – Single Wheel Stud Hub and Drum Assembly

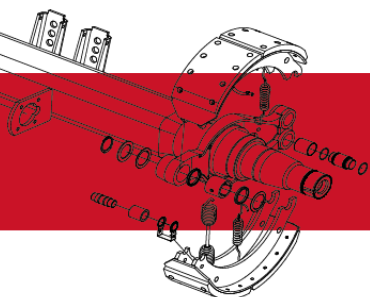
71001AW – 71001A with 1 x 100 tooth pole wheel 61789

Part Number	Quantity	Description
61243F	1	Drum
61253F	1	Hub
61270F	1	Outer Bearing
61260F	1	Inner Bearing
61375	10	Single wheel stud (Dacromat)
61381Z	10	ISO wheel nut

71004A – Twin Wheel Stud Hub and Drum Assembly

71004AW – 71004A with 1 x 100 tooth pole wheel 61789

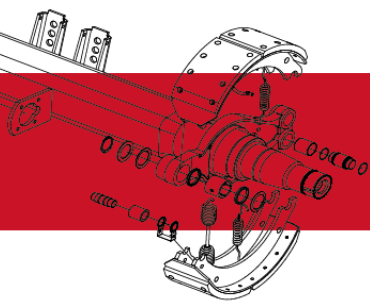
Part Number	Quantity	Description
61243F	1	Drum
61253F	1	Hub
61270F	1	Outer bearing
61260F	1	Inner bearing
61386F	10	Twin wheel stud
61381Z	10	ISO wheel nut

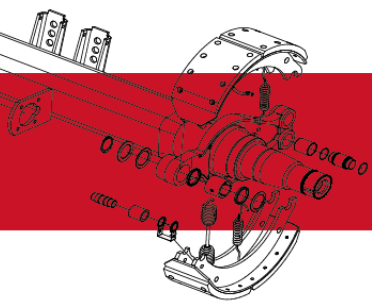


HCL-A – Hub Cap and spindle nut assembly

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

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.





www.granningaxles.ie

Revision Date: September 2026
Part No. 80212 REV A