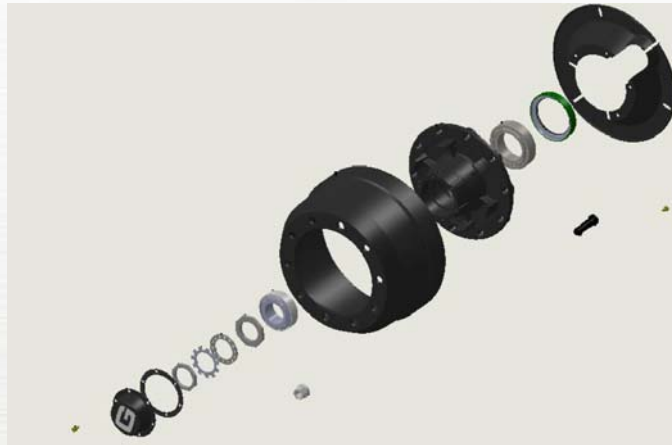




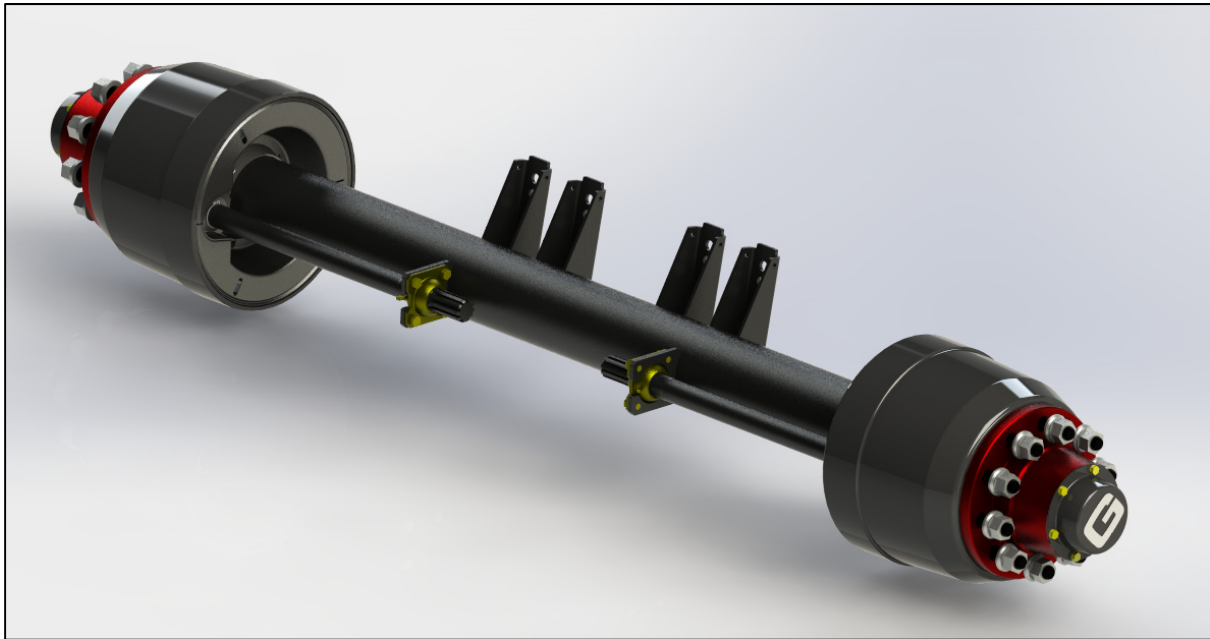
Axle Bill Of Materials

300F Series Drum Brake

External Drum, 310mm x 190mm

*Updated: November 2018
80283 REV C*

310 x 190 – 300 “F” SERIES AXLE



300 series axle is TUV tested to 11000Kg, please see website for test report.

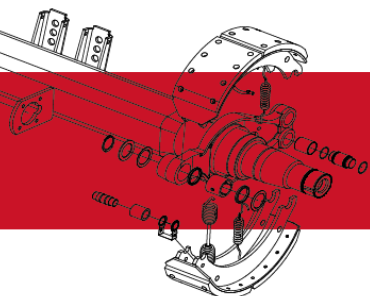
225mm PCD 10 stud M22 hub and drum. 173mm hub pilot.

Available in single and twin wheel stud.

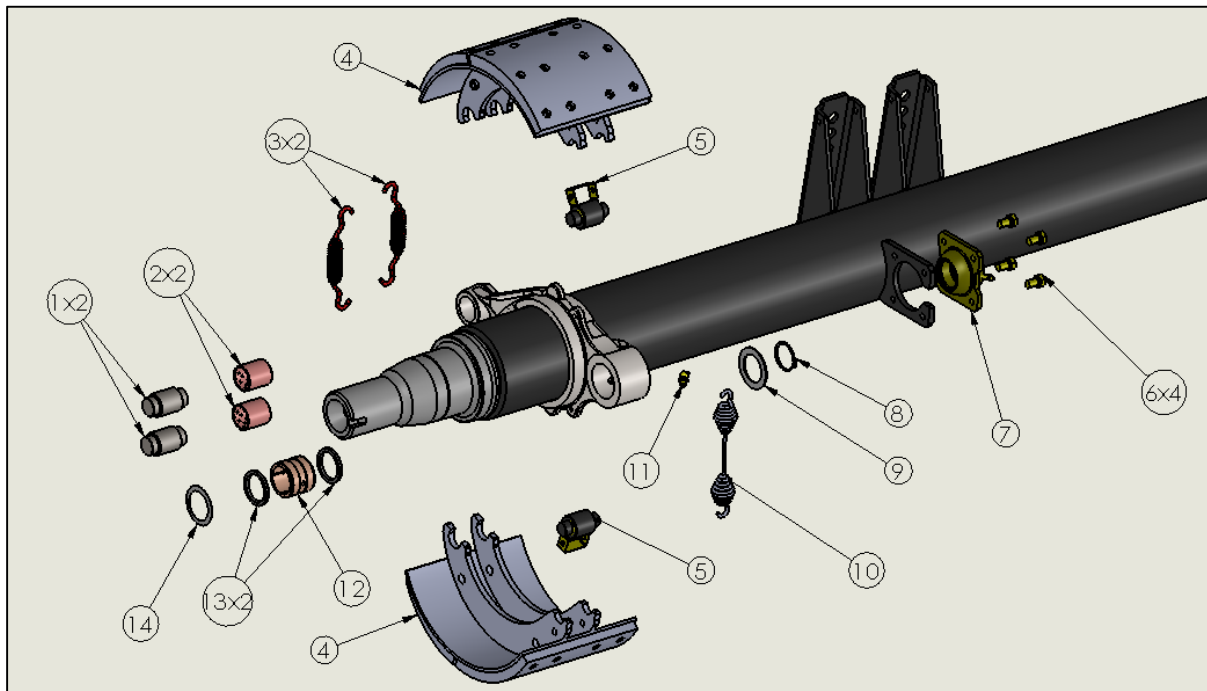
10 spline camshaft

Service manual available on website

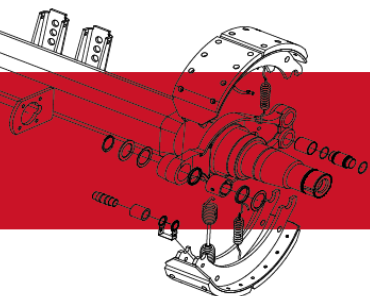
Please see following pages for part identification



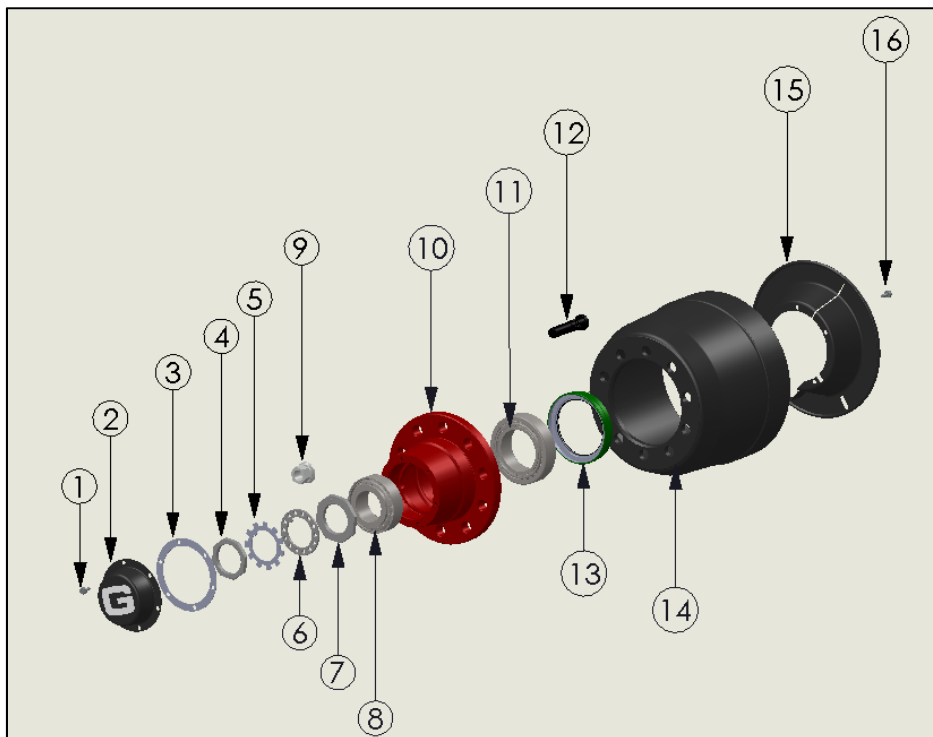
310 x 190 – 300 “F” Series Quick Fit Brake Assembly



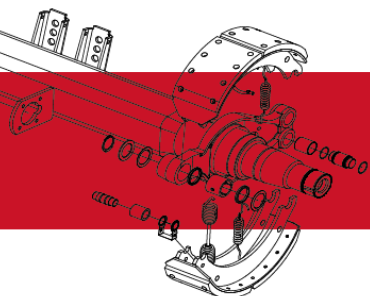
Item	Description	Part No.	QTY per Axle
1	Anchor Pin	61171	4
2	Bush Anchor Pin	61200B	4
3	Brake Shoe Retaining Spring	61141	4
4	Brake Shoe Assembly (FWE11)	61542FA	4
(5)	Retainer Cam Roller	61220	(4)
	One Piece Cam Roller	61235	(4)
6	M10 x 20 Screw	61359	8
7	Camshaft Spherical Bearing	61080	2
8	Circlip	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



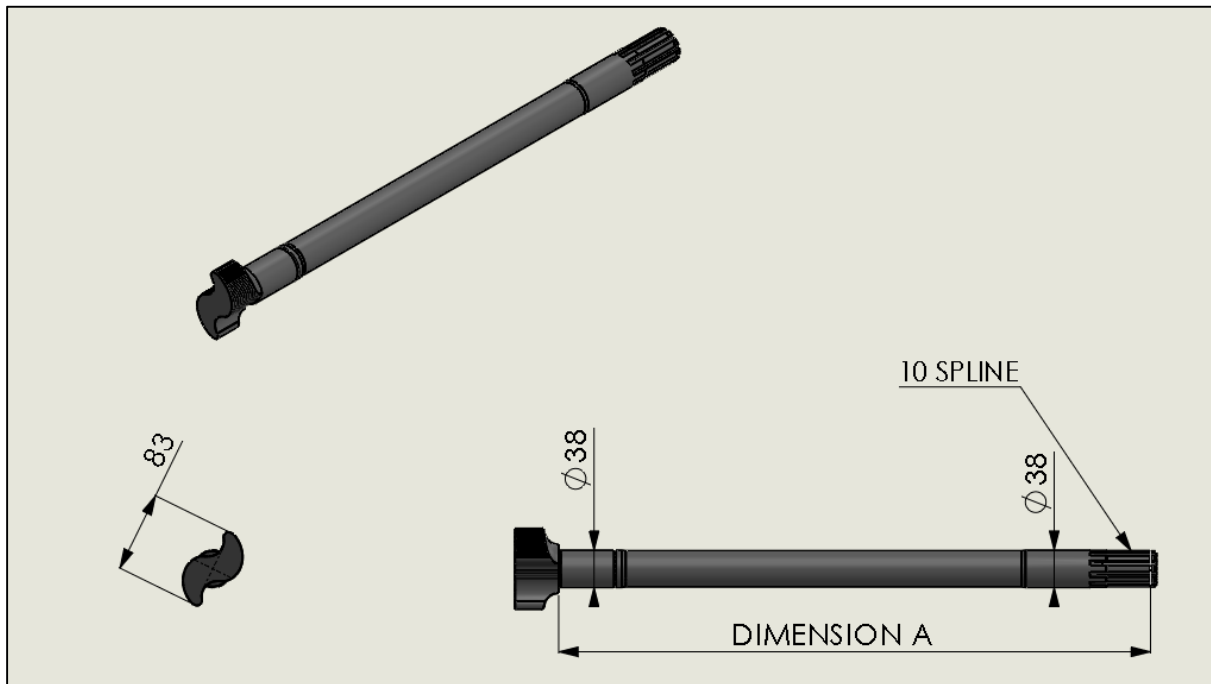
310 x 190 – 300 “F” Series Hub/Drum Assembly



Item	Description	Part No.	QTY per AXLE
1	Screw M8 x 16 Fl. Head	61358	12
2	Hub Cap Pressing "G"	61322F	2
3	Gasket	61330F	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	61520F	2
11	Inner Bearing	61260F	2
12	Wheel Bolt M22 ISO (Twin)	61363F	20
	Wheel Bolt M22 ISO (Single)	61361	20
13	Unitised Grease Seal	61282F	2
14	Brake Drum 10 Stud	61530F	2
15	Dust Cover	61620F	2
16	Screw M8 x 16 Fl. Head	61358F	12



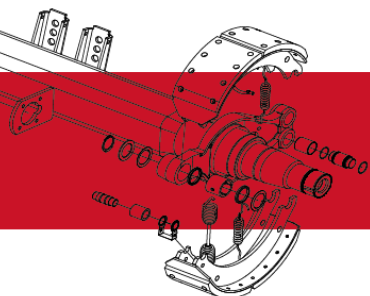
310 x 190 – 300 “F” Series Camshaft Parts List



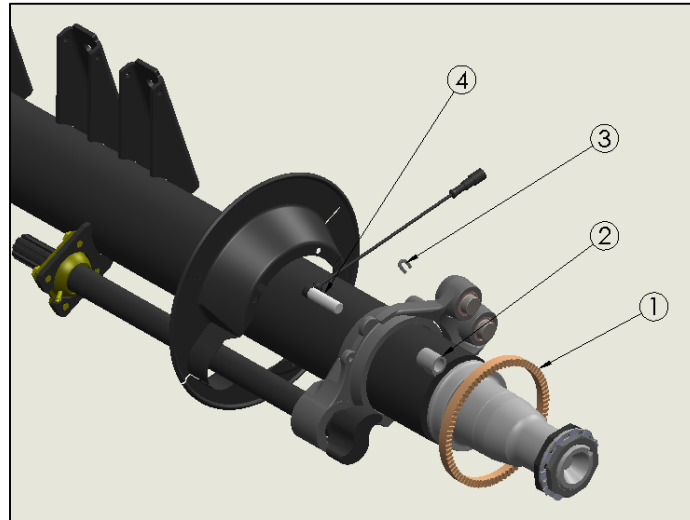
Item	Description (DIM A)	Part No.
1	Left Hand Small Head (175mm)	61154
2	Right Hand Small Head (175mm)	61153
3	Left Hand Small Head (212mm)	61591
4	Right Hand Small Head (212mm)	61601
5	Left Hand Small Head (519mm)	61595
6	Right Hand Small Head (519mm)	61605
7	Left Hand Small Head (610mm)	61596
8	Right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

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

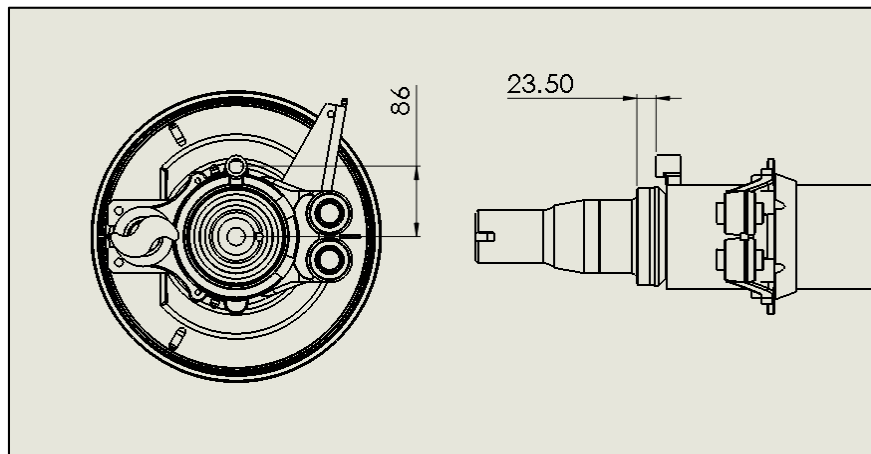
The illustrated camshaft is a right hand camshaft. When looking at the head of the camshaft a right hand cam is Z shaped and a left hand is S shaped



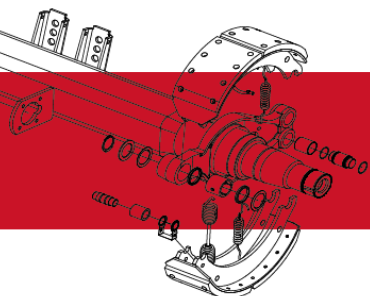
310 x 190 – 300 “F” Series ABS/Anti-Lock Assembly



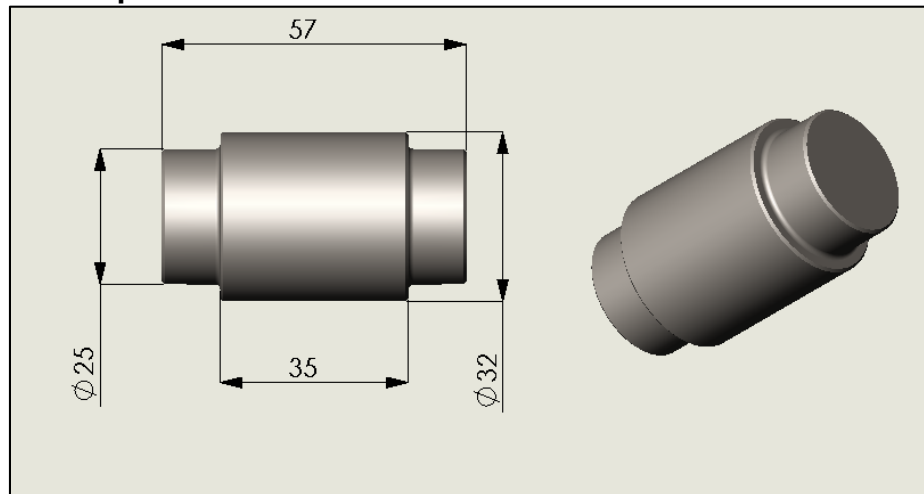
Item	Description (DIM A)	Part No.
1	Pole Wheel (80 tooth)	61787
2	Sensor Block	61781
3	Dust Cover Grommet	61557
4	90° Sensor Lead & Bush	61790



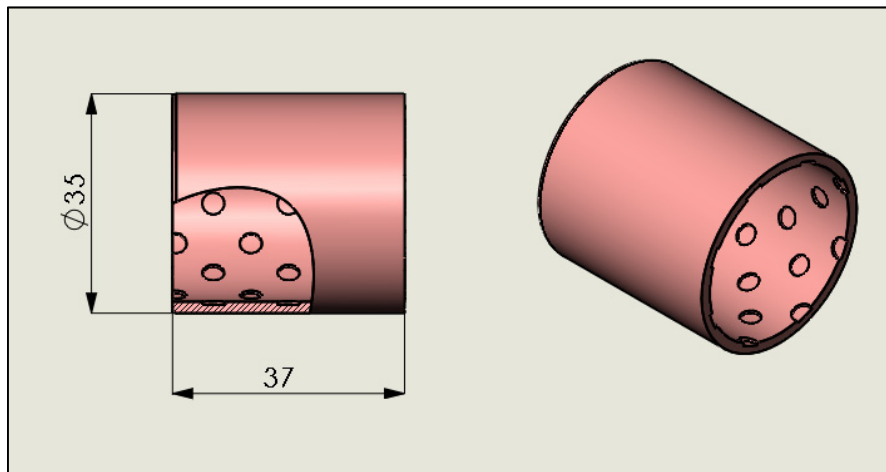
Centre of the ABS sensor is 86mm from centre of the axle
 Face of sensor block 23.5mm from large bearing shoulder
 Weld on ABS block (as shown above) is positioned 90 degrees to camshaft.



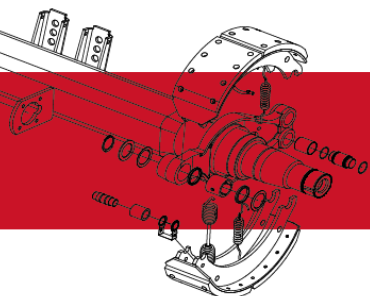
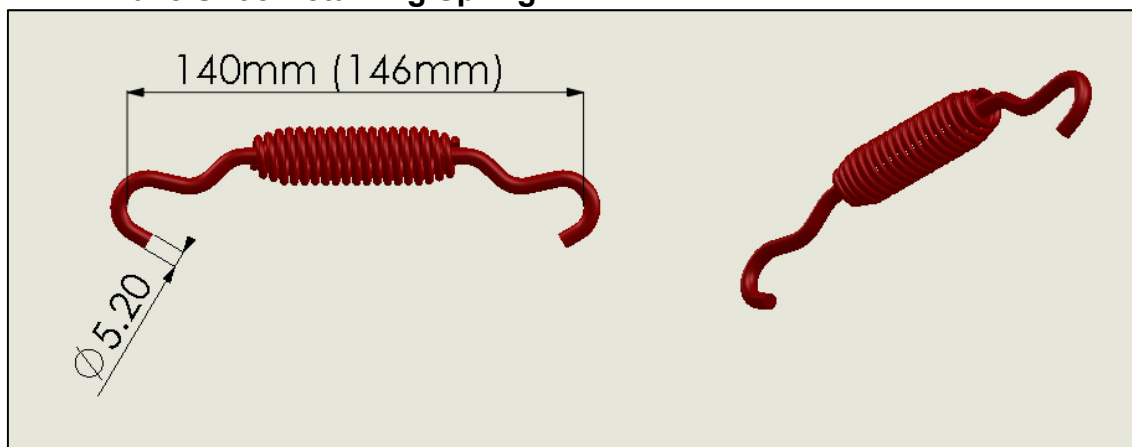
61171 – Anchor pin



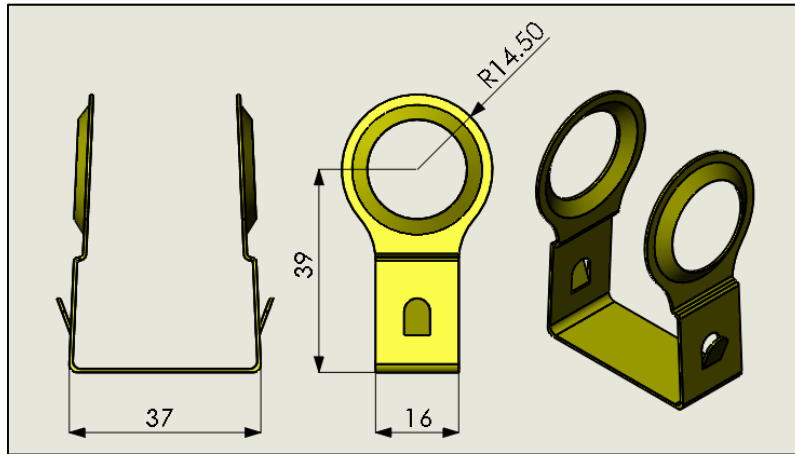
61200B – Bush Anchor Pin



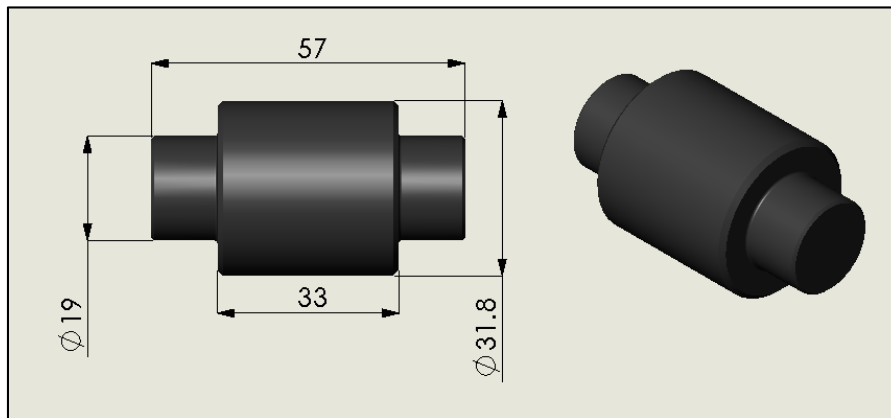
61141 – Brake Shoe Retaining Spring



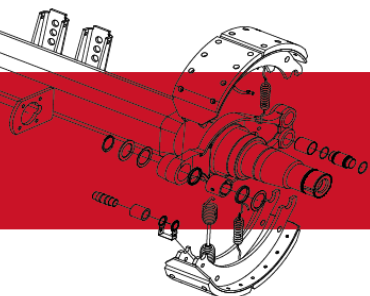
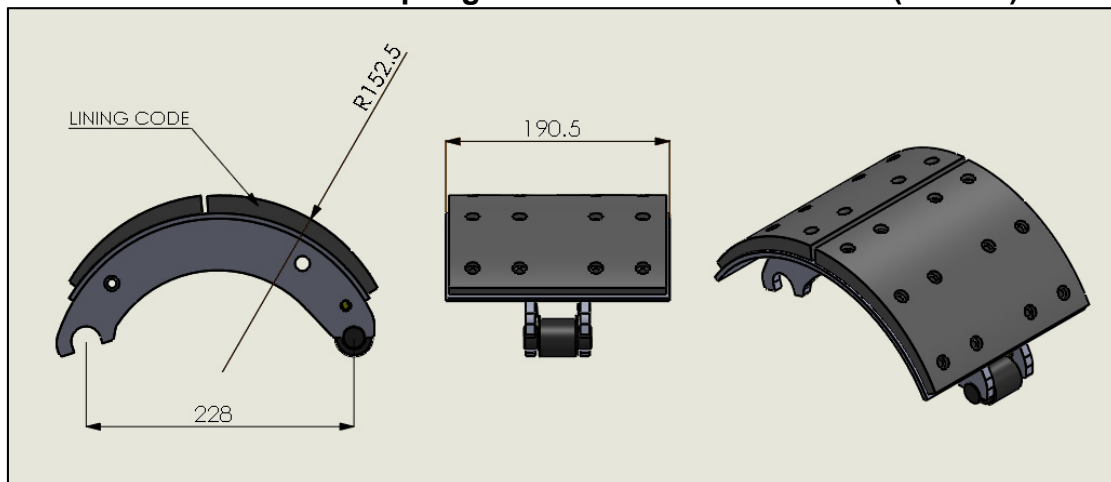
61220 – Retainer Cam Roller



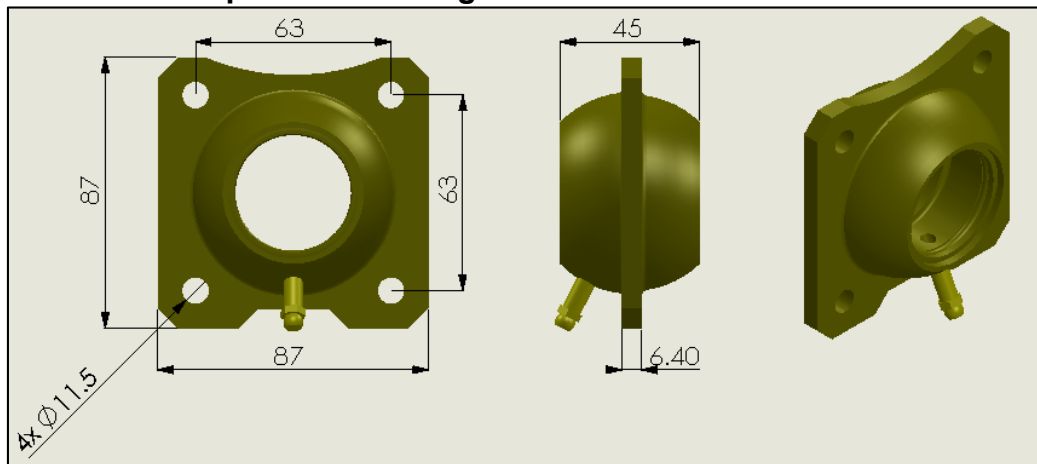
61235 – One Piece Cam Roller



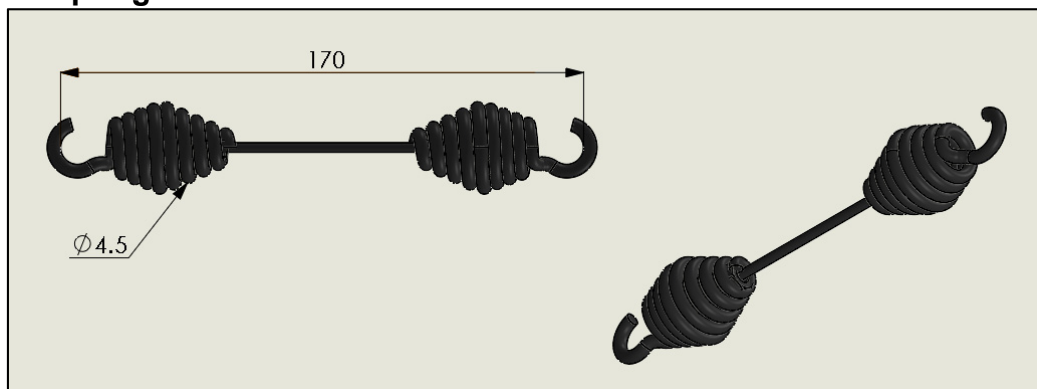
61542FA – Brake shoe with spring anchor bar and cam roller (FWE11)



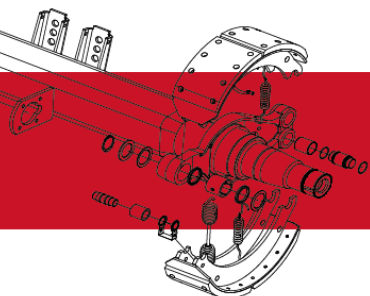
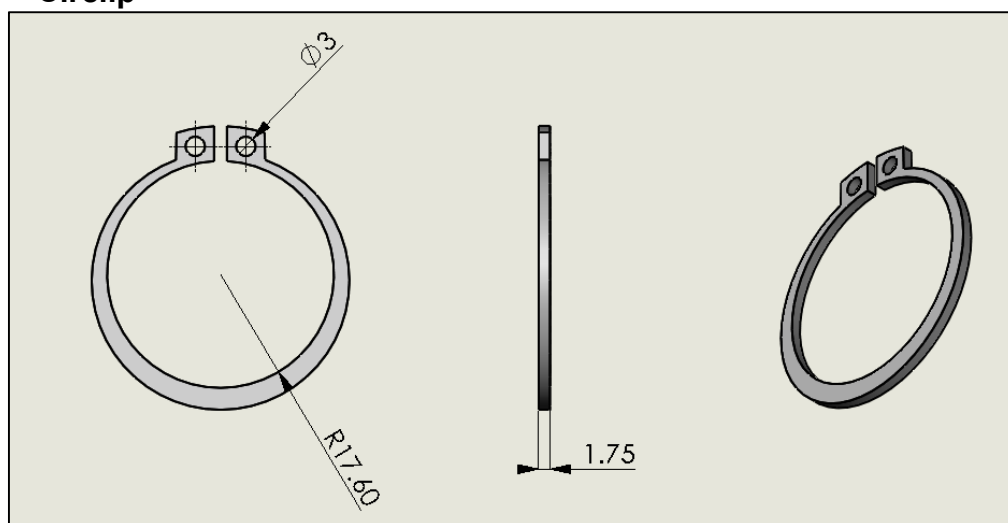
61080 – Camshaft Spherical Bearing



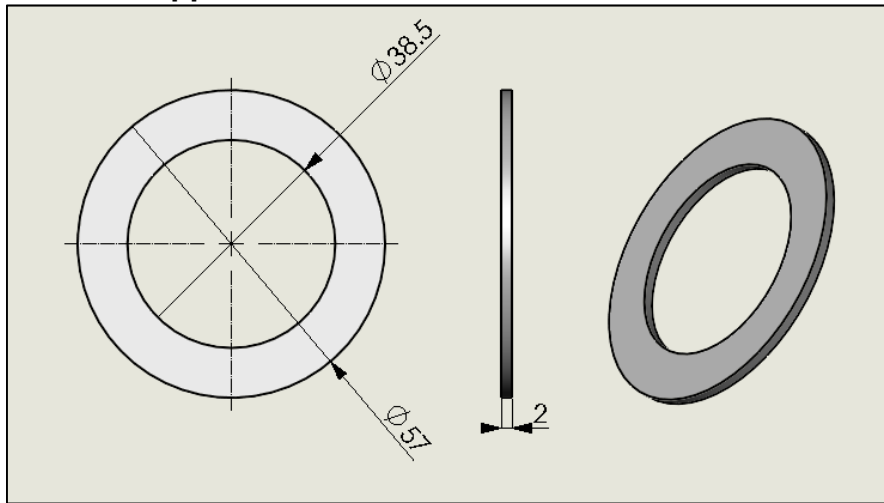
61660 – Spring Return



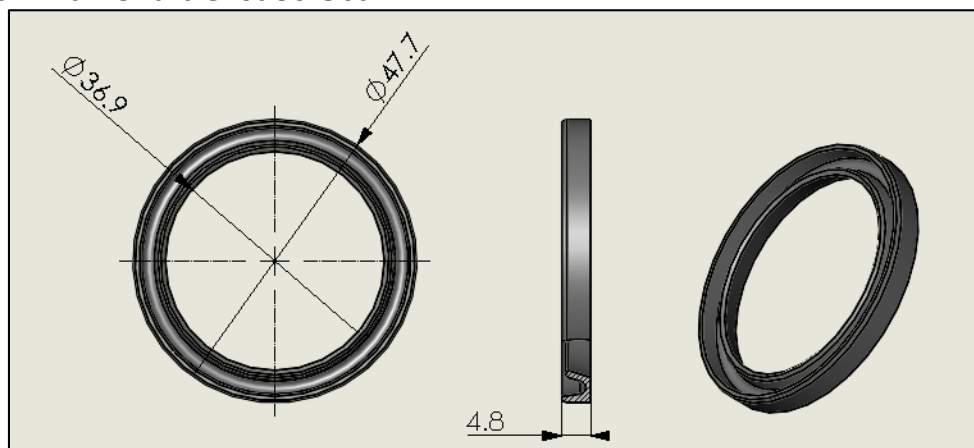
61120 – Circlip



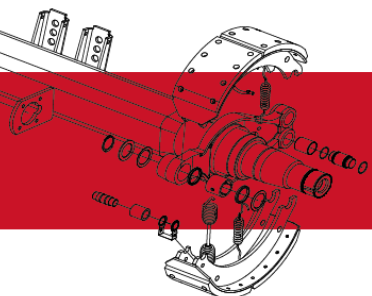
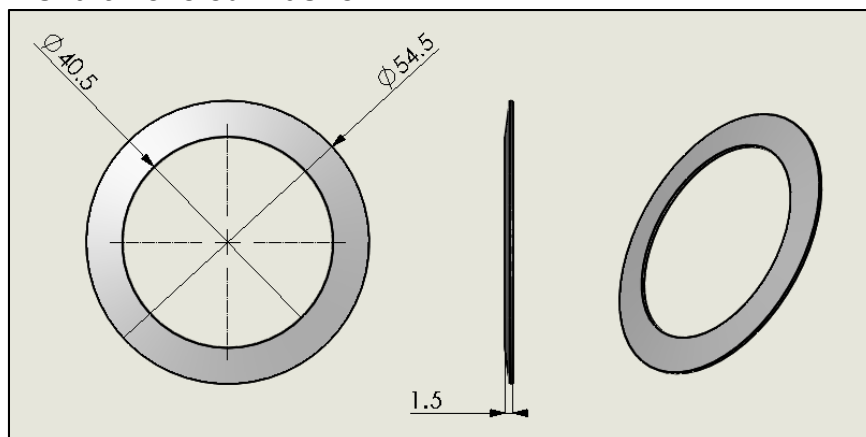
61058 – Camshaft Support Washer



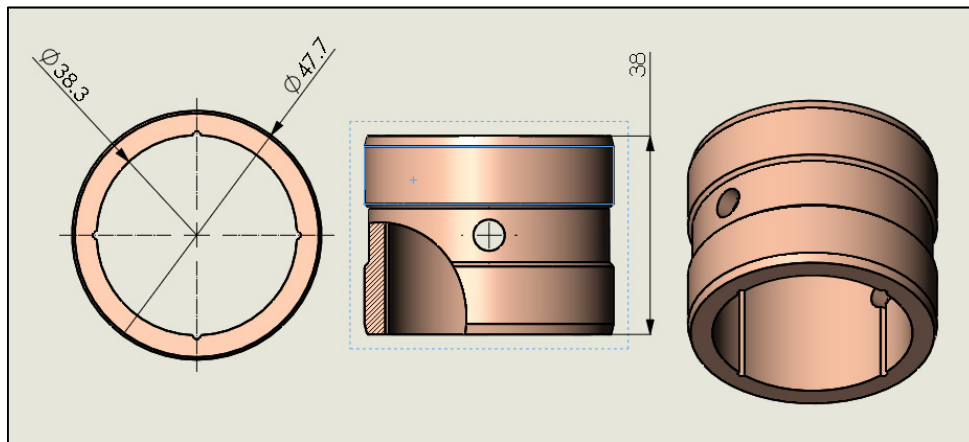
61056 – Camshaft Grease Seal



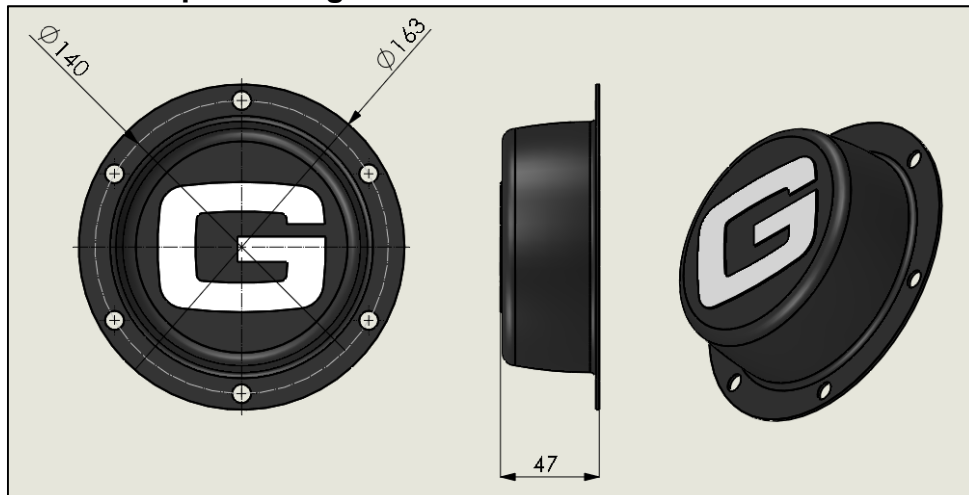
61057 – Camshaft Beveled Washer



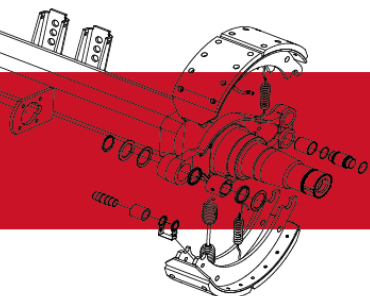
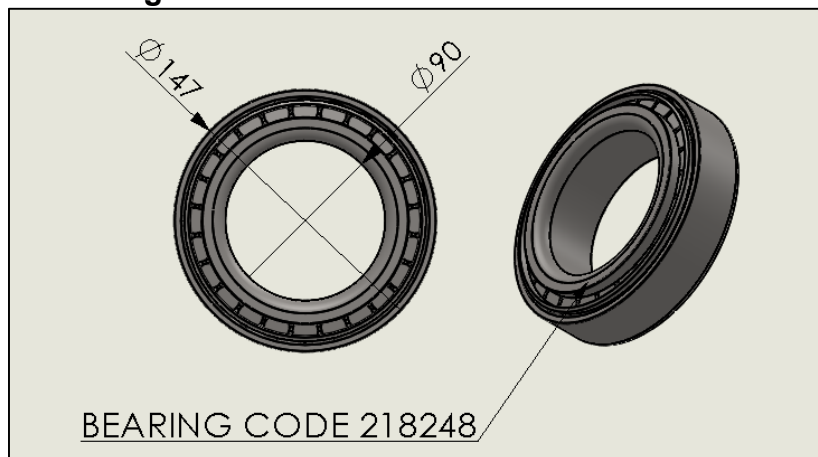
61055 – Camshaft Sintered Bush



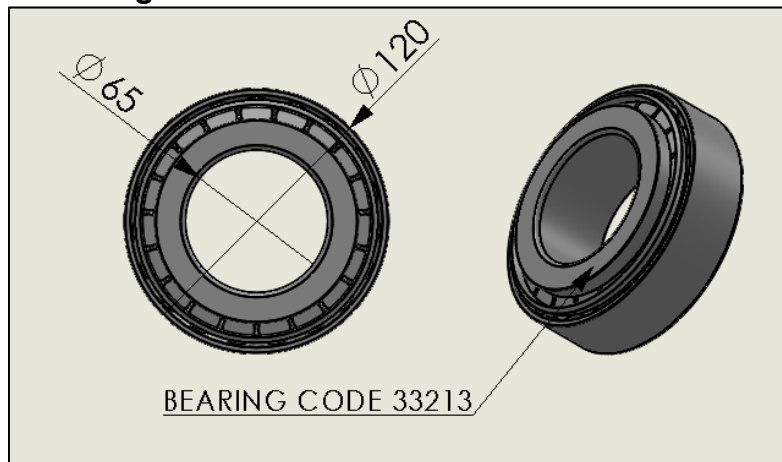
61322F – G Hub Cap Pressing



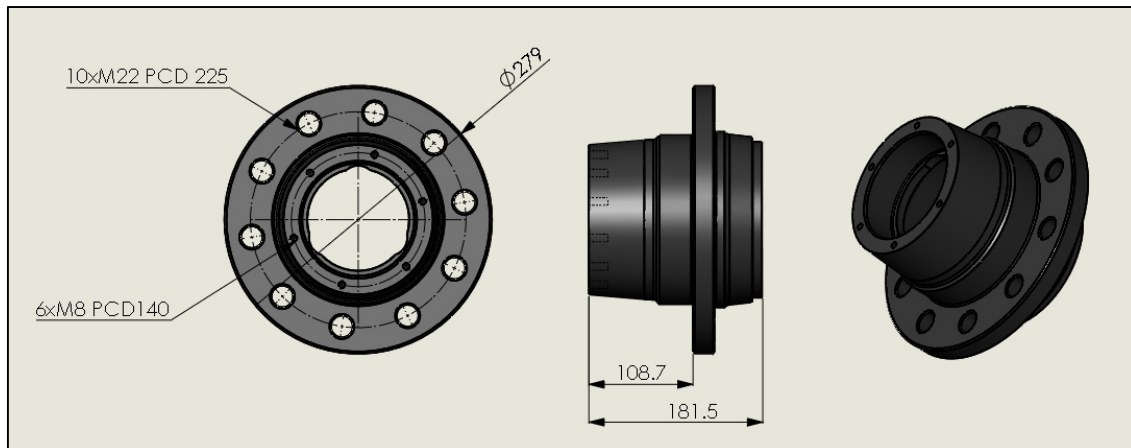
61260F – Inner bearing and cone



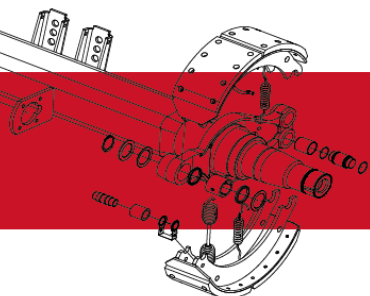
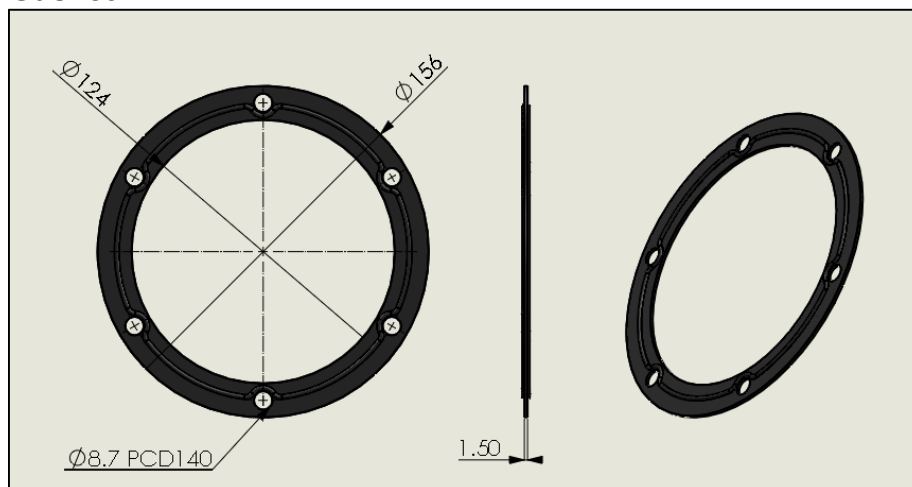
61270F – Outer bearing and cone



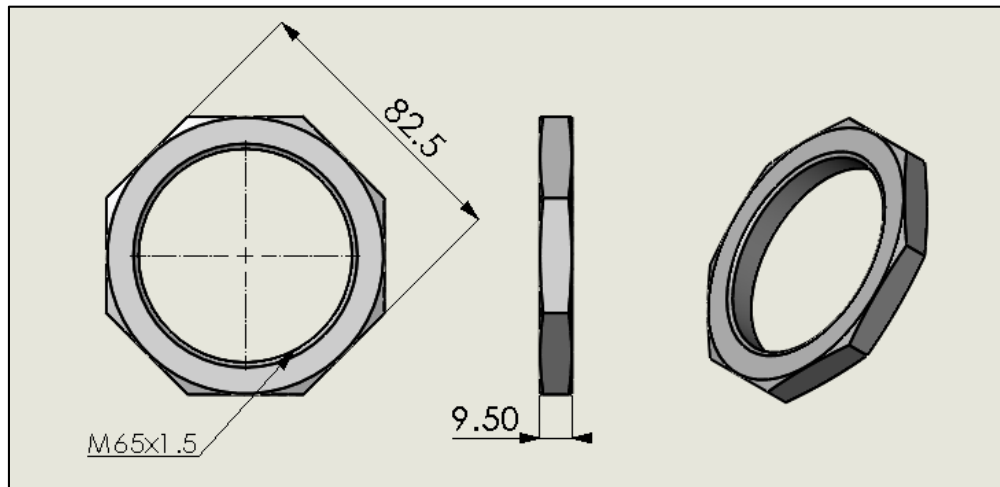
61520F – Hub



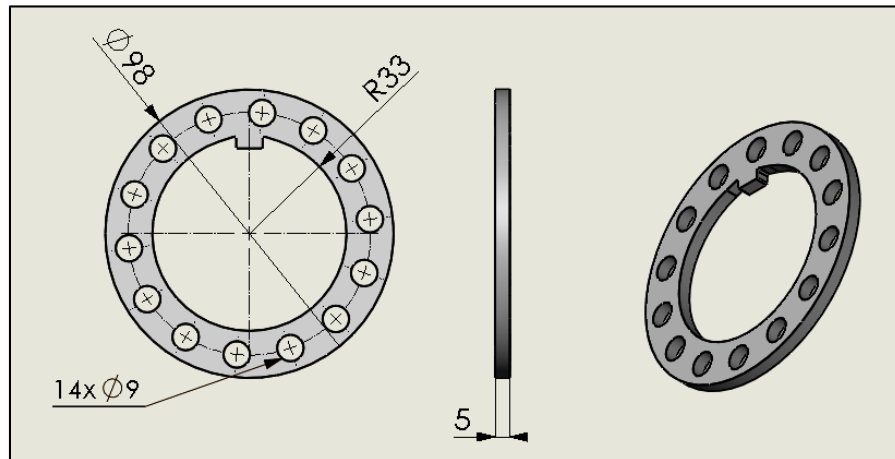
61330F – Gasket



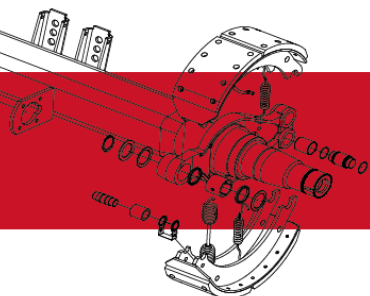
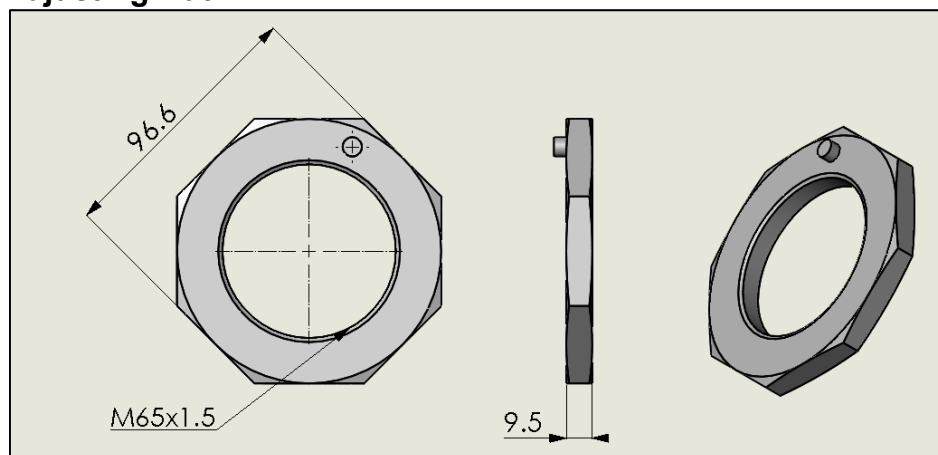
61310 – Locknut



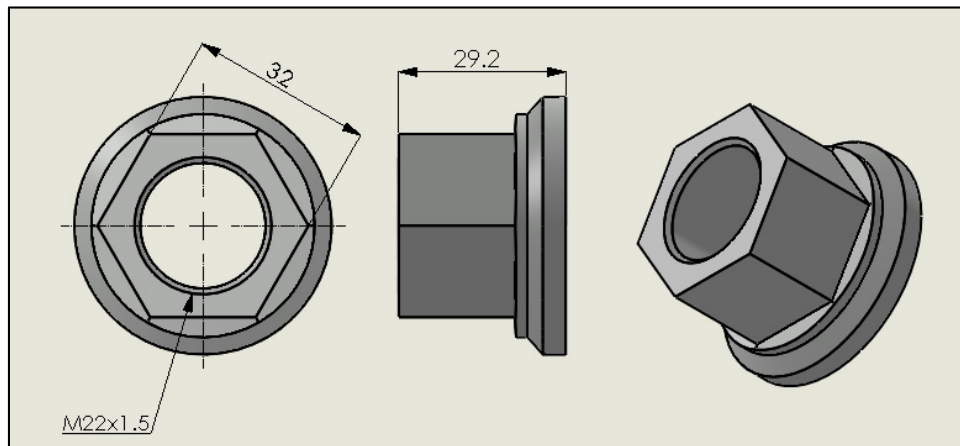
61300 – Lock Washer



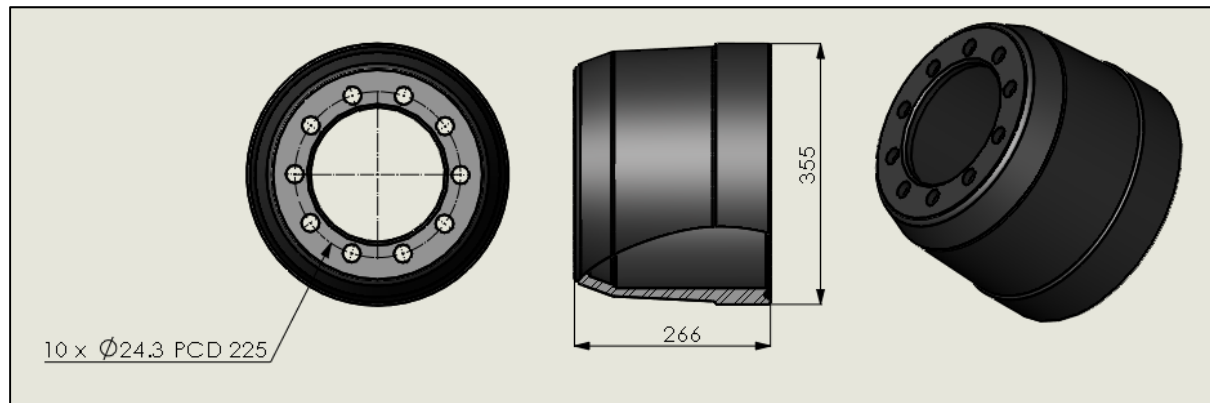
61290 – Adjusting Nut



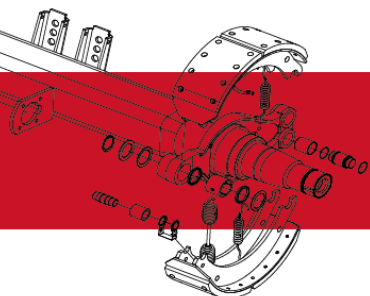
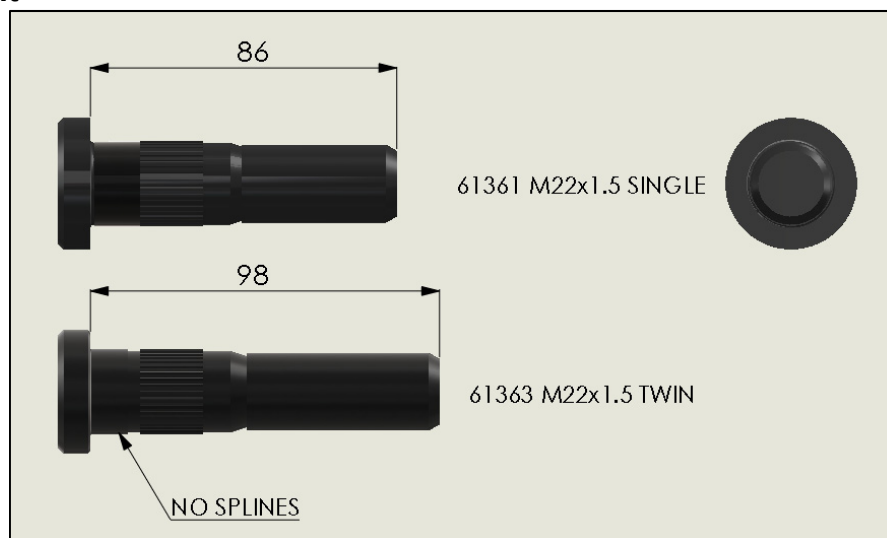
61381Z – ISO Wheel Nut M22



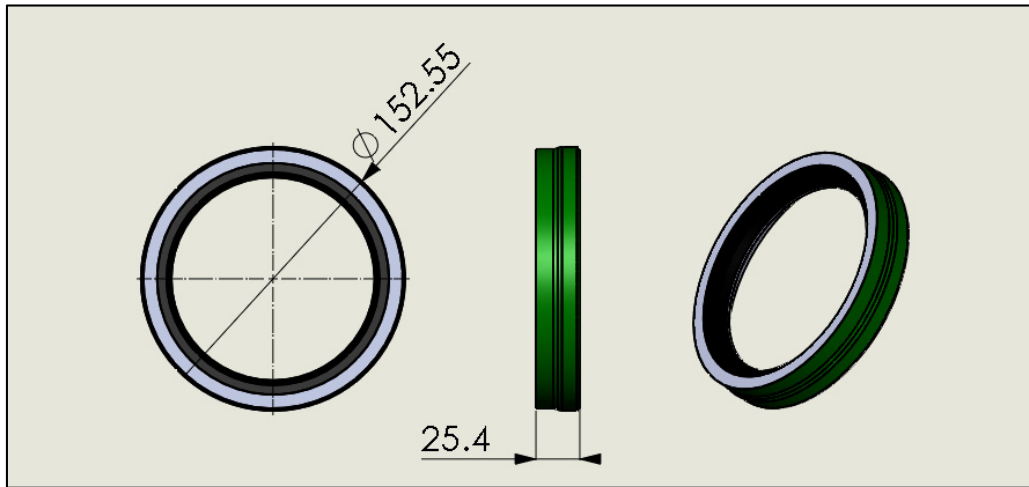
61530F – Brake Drum



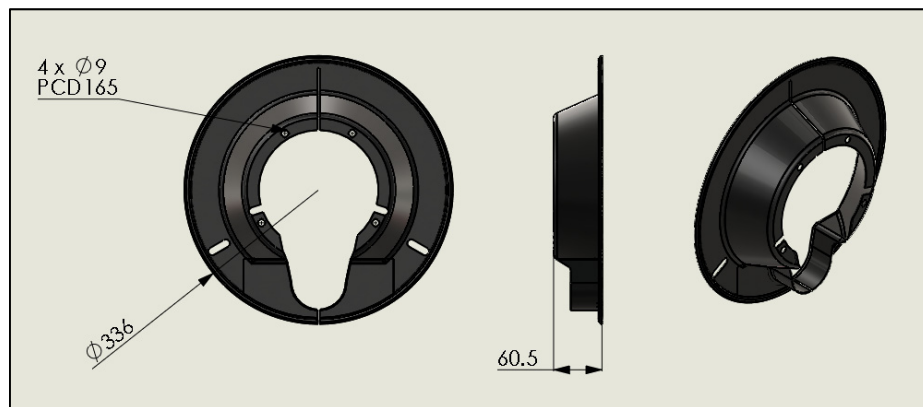
Wheel Bolt



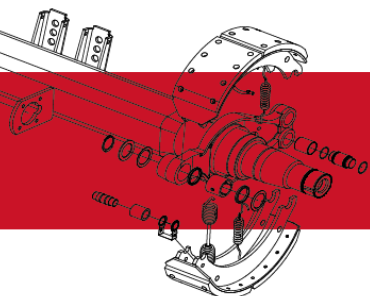
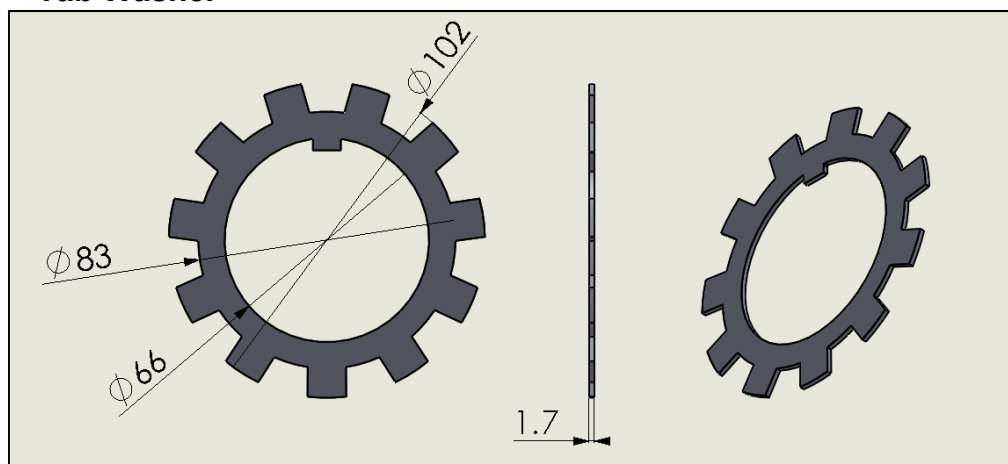
61282F – Unitised Grease Seal

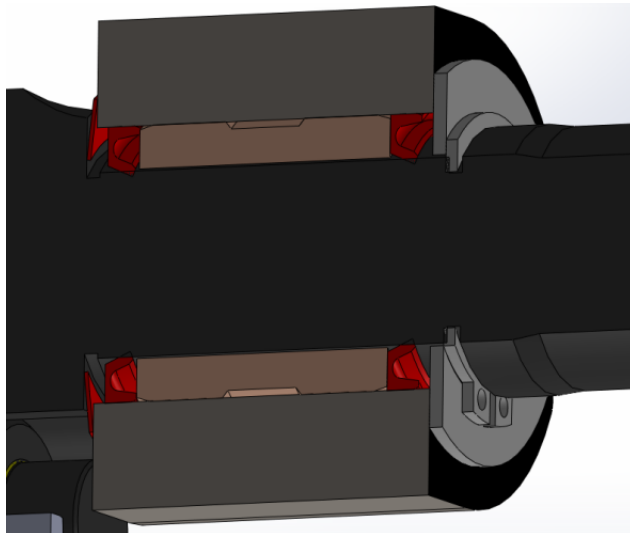
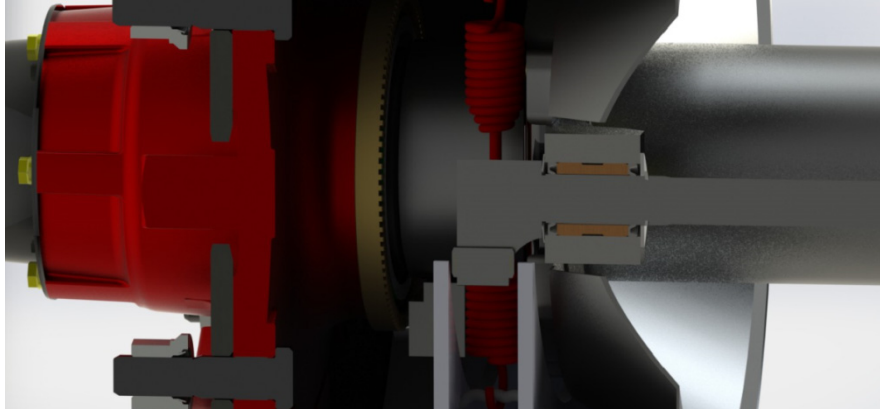


61620F – Dust Cover

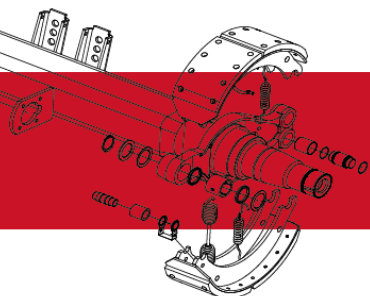


61311 – Tab Washer





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.

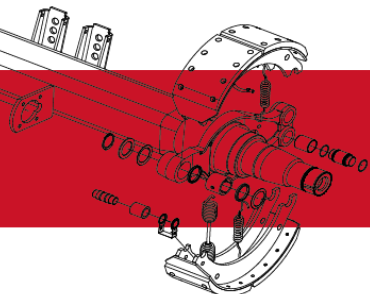


71003 – Single Wheel Stud Hub and Drum Assembly
71003W – 71003 with 1 x 80 tooth pole wheel 61787

Part Number	Quantity	Description
61530F	1	Drum
61520F	1	Hub
61270F	1	Outer Bearing
61260F	1	Inner Bearing
61361	10	Single wheel stud
61381Z	10	ISO wheel nut

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

Part Number	Quantity	Description
61530F	1	Drum
61520F	1	Hub
61270F	1	Outer bearing
61260F	1	Inner bearing
61383F	10	Twin wheel stud
61381Z	10	ISO wheel nut



HCL – Hub Cap and spindle nut assembly

Part Number	Quantity	Description
61330F	2	Gasket
61322F	2	Hub cap
61358F	12	M8 bolts
61310	2	Lock nut
61300	2	Lock washer
61311	2	Tab washer
61290	2	Adjusting nut
96366F	12	M8 serrated washer

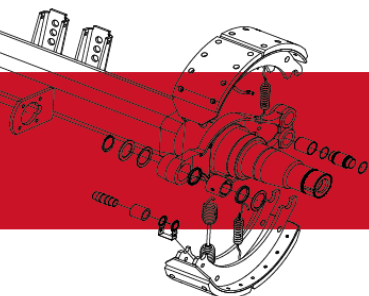
61083 – Brake Shoe Kit (one side of axle)

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 (one side of axle)

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.





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