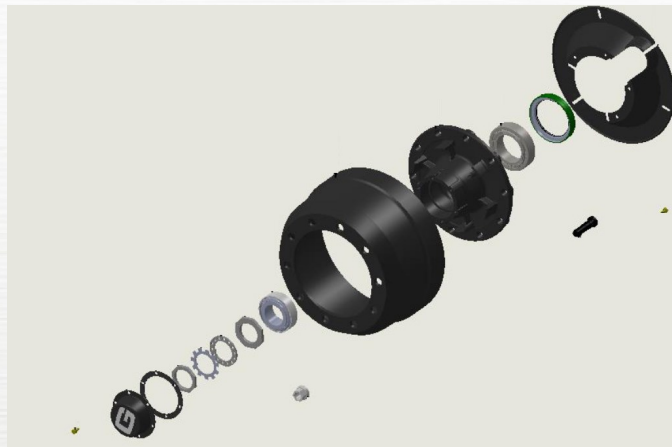


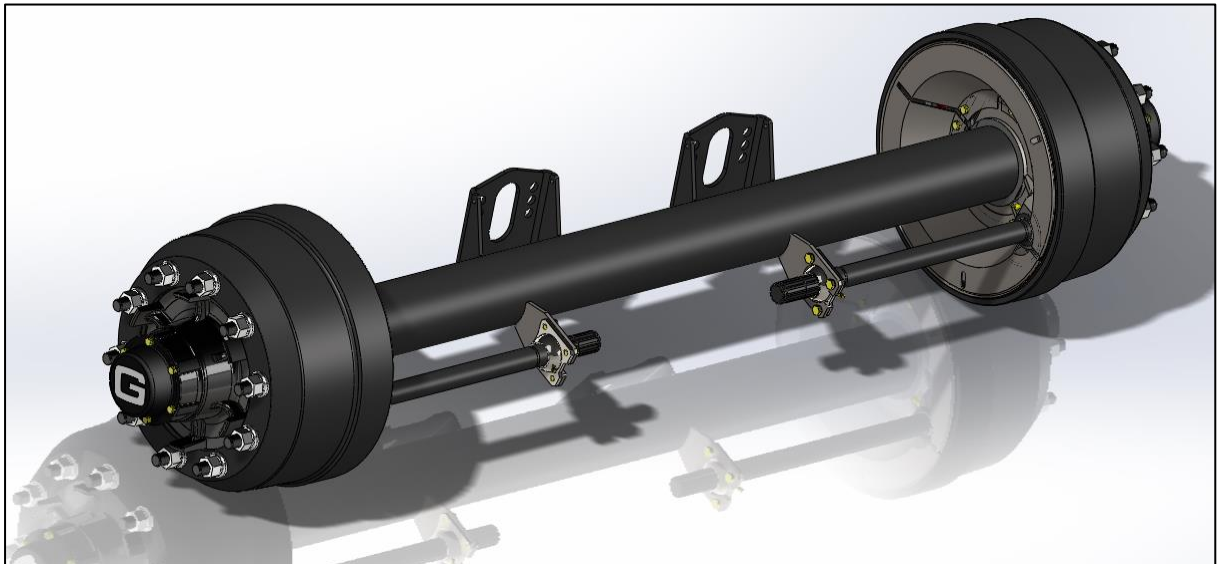


Axle Bill Of Materials

100 F Series 420x180

80282 Rev D November 2018

420 x 180 – 100 “F” SERIES AXLES



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

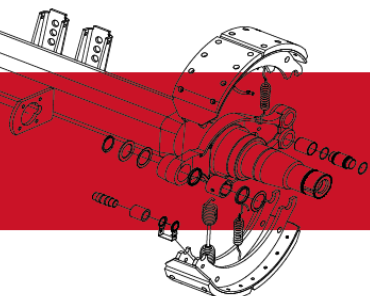
335mm PCD 10 stud M22 hub and drum. 280.8mm hub pilot.

Available in single and twin wheel stud.

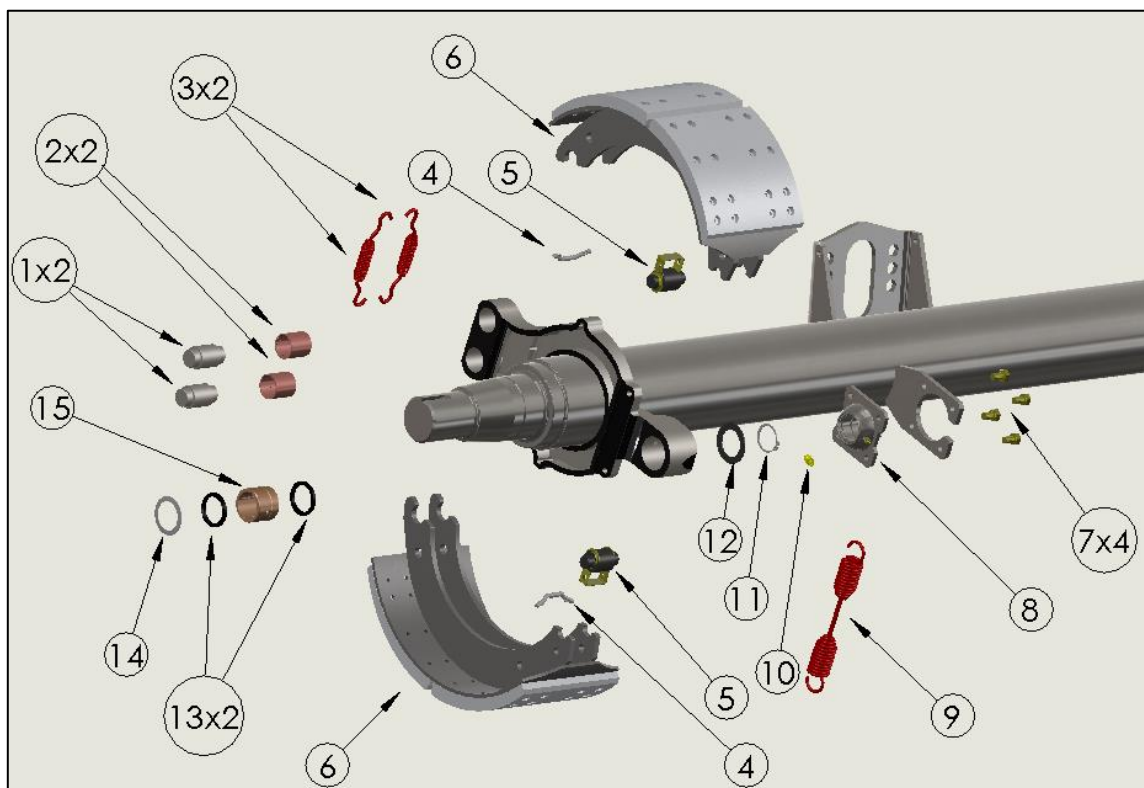
10 spline camshaft

Service manual available on website

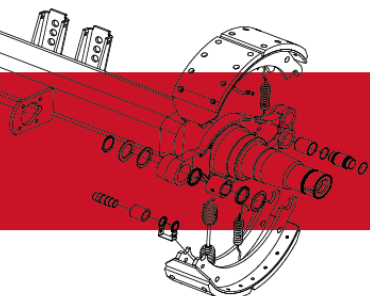
Please see following pages for part identification



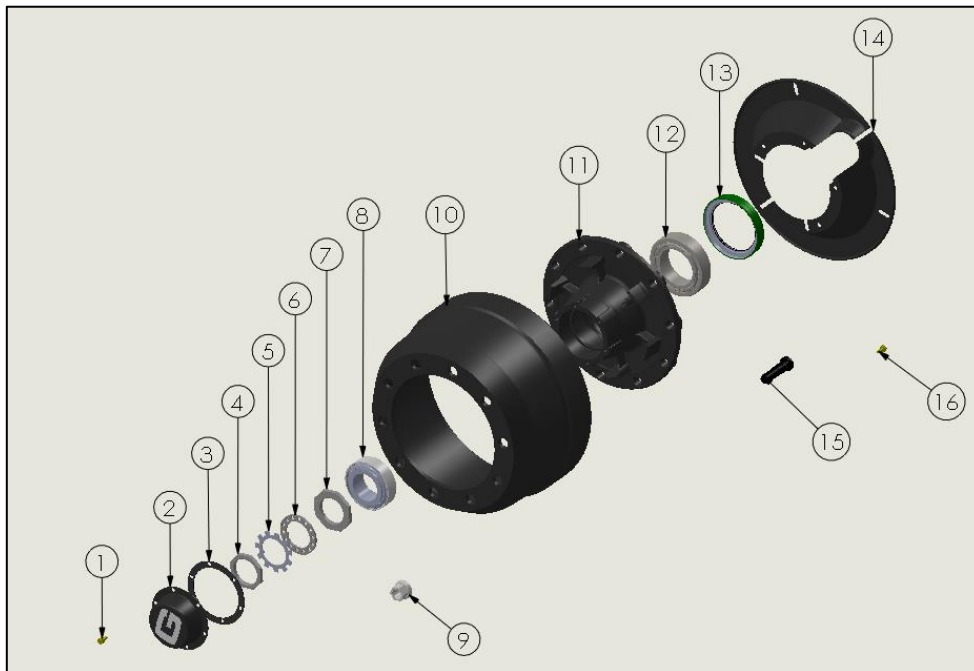
420 x 180 – 100 “F” Series Quick Fit Brake Assembly



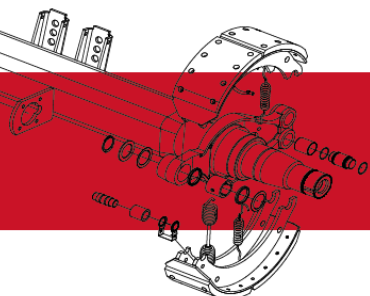
Item	Description	Part No.	QTY per Axle
1	Anchor Pin	61171	4
2	Bush Anchor Pin	61200B	4
3	Brake Shoe Retaining Spring	61141	4
	Brake Shoe Assembly	61157FA	4
(4)	Spring Anchor Bar	61150	(4)
(5)	Retainer Cam Roller	61220	(4)
	Cam Roller	61230	(4)
	Sleeve Cam Roller	61210	(4)
(6)	Brake Shoe (FWE11)	61157F	(4)
7	M10 x 20 Screw	61359	8
8	Camshaft Spherical Bearing	61080F	2
9	Spring Return	61140	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 Beveled Washer	61057	2
15	Camshaft Sintered Bush	61055	2



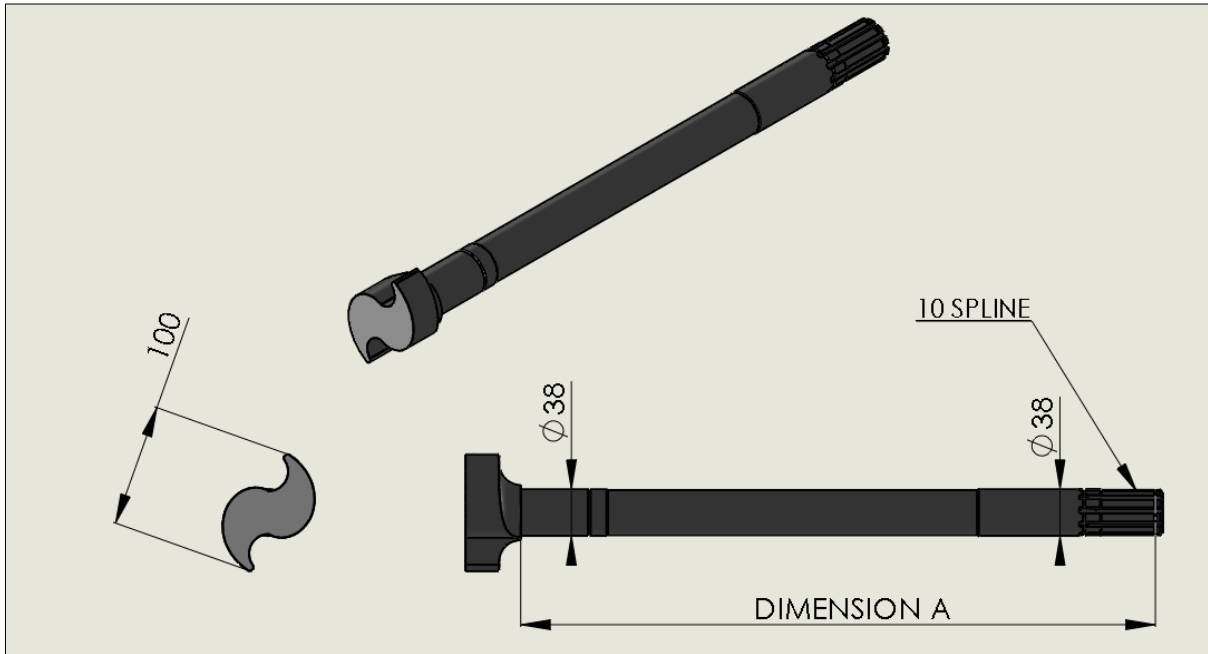
420 x 180 – 100 “F” Series Hub/Drum Assembly



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



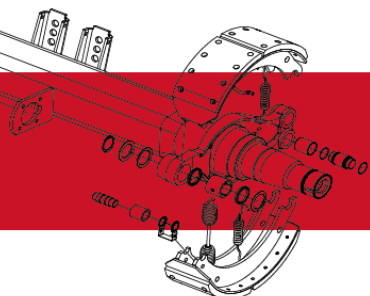
420 x 180 – 100 “F” Series Camshaft Parts List



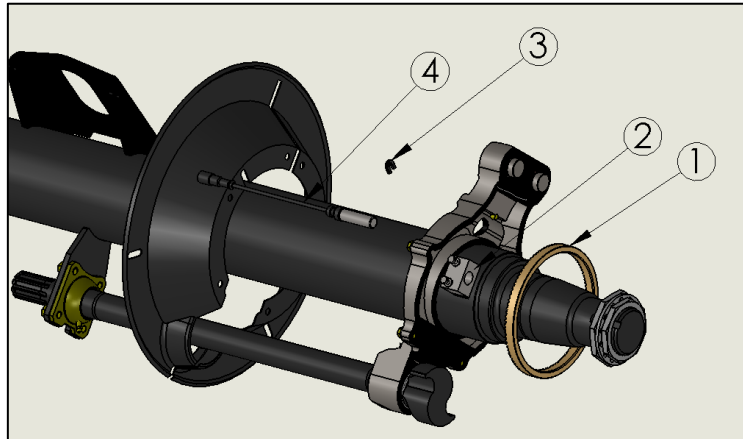
Item	Description (DIM A)	Part No.
1	Left Hand Large Head (519mm)	61065
2	Right Hand Large Head (519mm)	61075
3	Left Hand Large Head (618mm)	61067
4	Right Hand Large Head (618mm)	61077
5	Left Hand Large Head (189mm)	61127
6	Right Hand Large Head (189mm)	61147
7	Left Hand Large Head (212mm)	61061
8	Right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

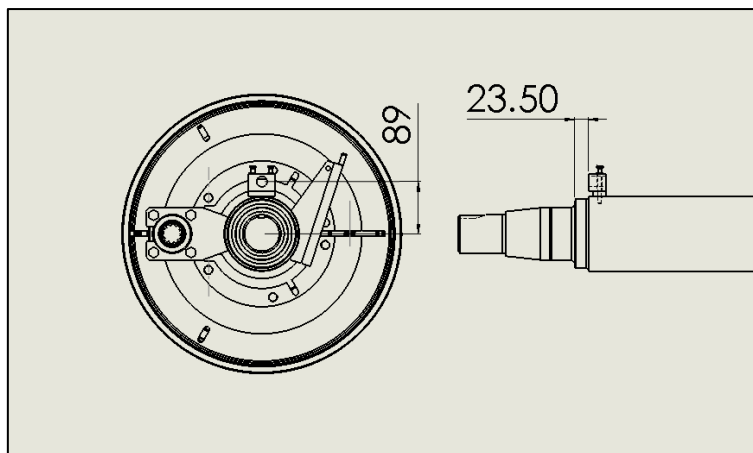
The illustrated camshaft is a right hand camshaft. When looking at the head of the camshaft a right hand cam is Z shaped and a left hand is S shaped



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



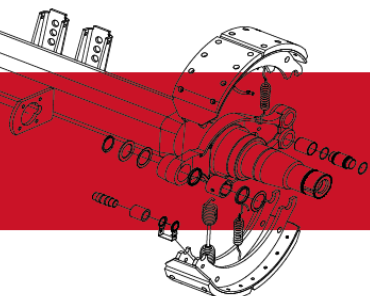
Item	Description	Part No.
1	Pole Wheel (100 tooth)	61789
2	Sensor Block	61781
3	Dust Cover Grommet	61557
4	Single Sensor Lead	61791



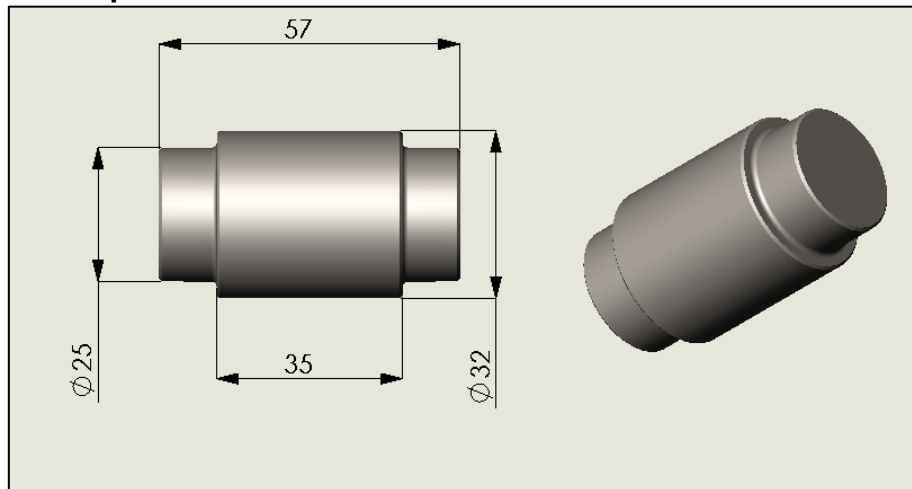
Pole wheel at 178mm PCD

Face of sensor block 23.5mm from large bearing shoulder

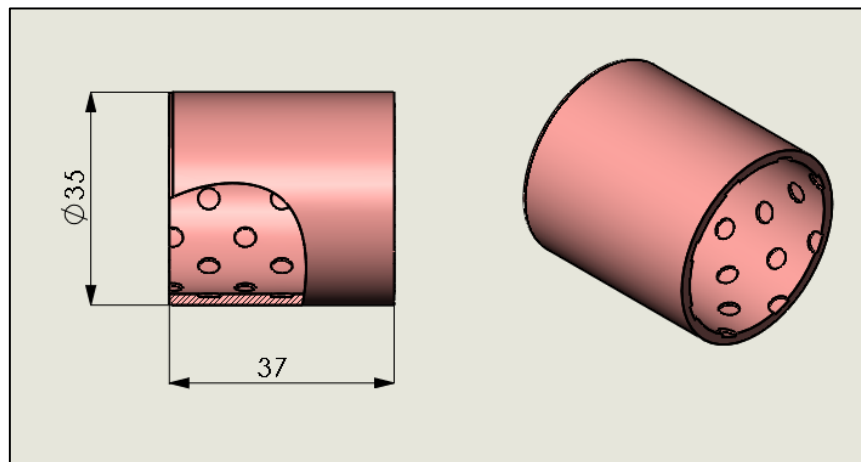
Bolt on ABS block (as shown above) is positioned 90 degrees to camshaft. Weld on style is 180 degrees to camshaft and is in line with hole in anchor bracket.



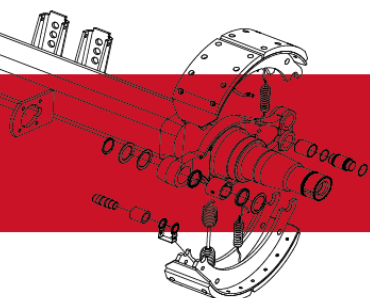
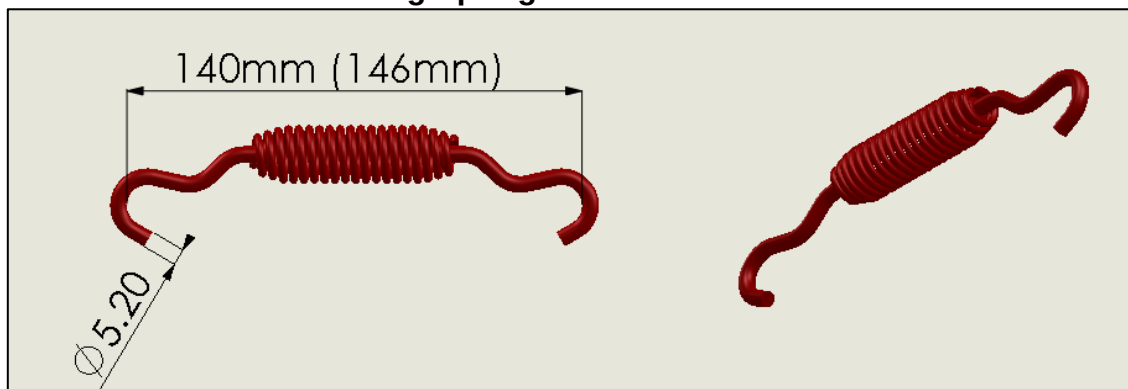
61171 – Anchor pin



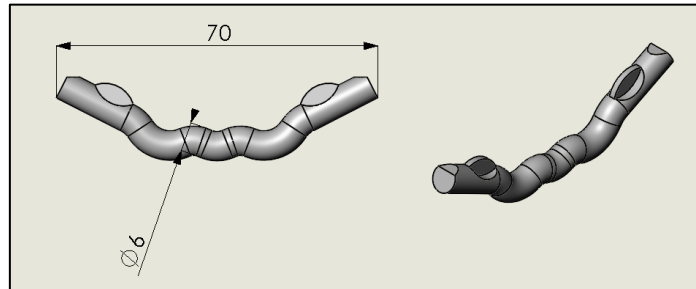
61200B – Bush Anchor Pin



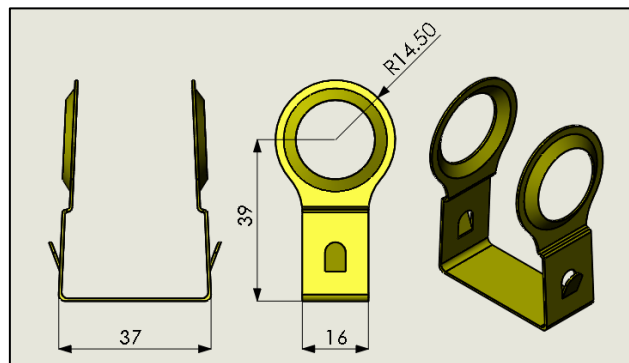
61141 – Brake Shoe Retaining Spring



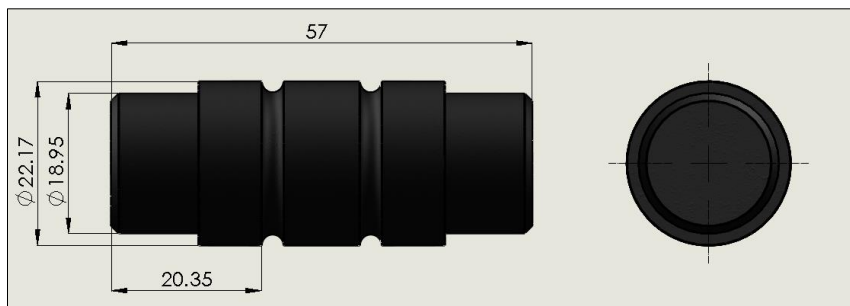
61150 – Spring Anchor Bar



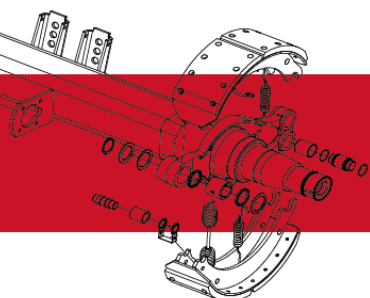
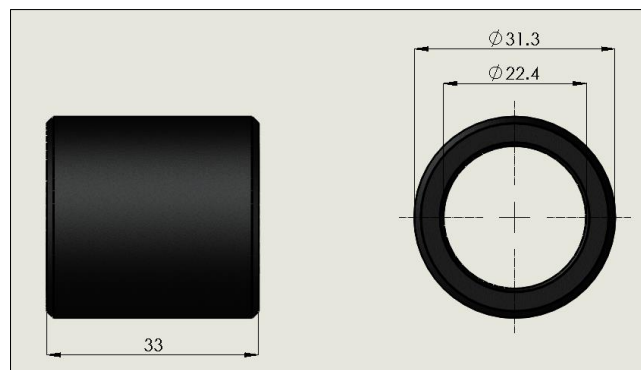
61220 – Retainer Cam Roller



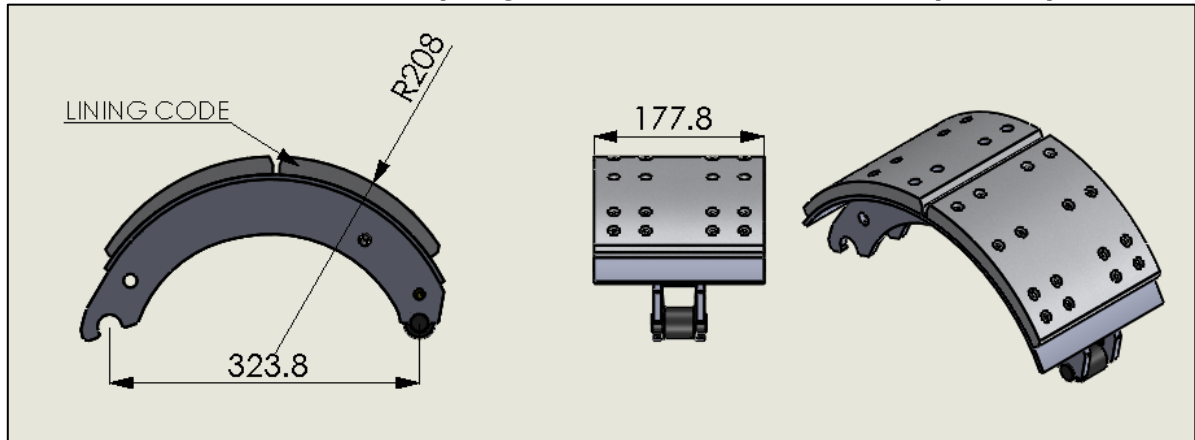
61230 – Cam Roller



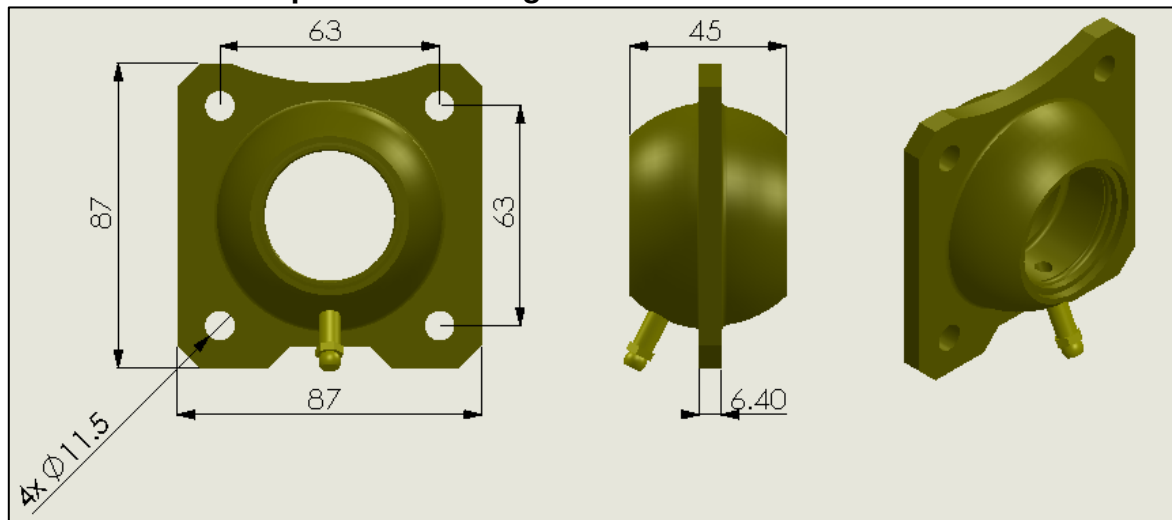
61210 – Sleeve Cam Roller



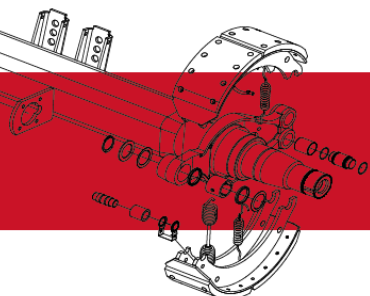
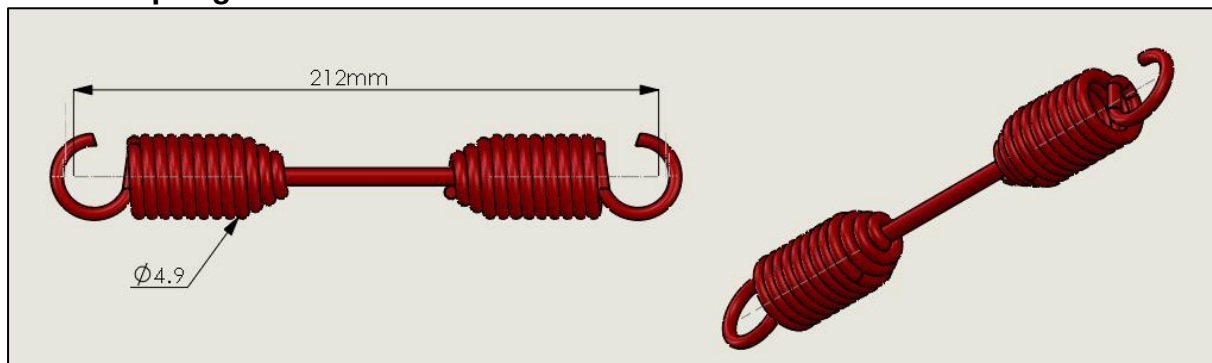
61157FA – Brake shoe with spring anchor bar and cam roller (FWE11)



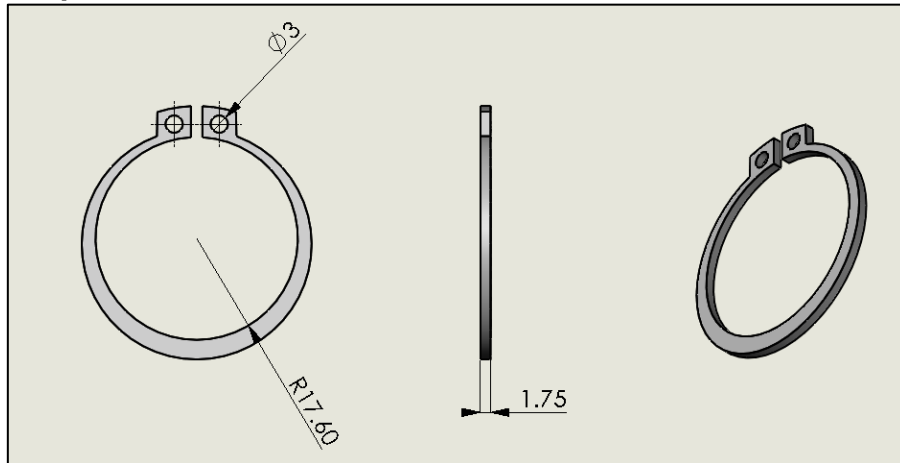
61080 – Camshaft Spherical Bearing



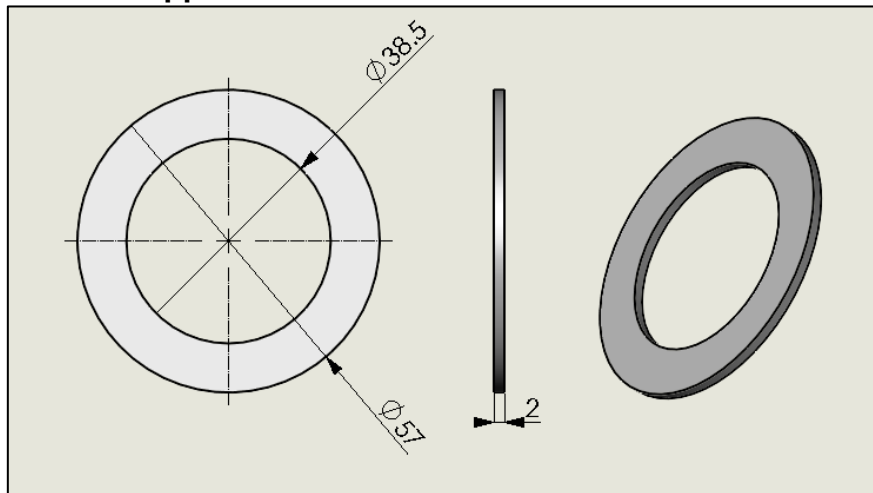
61140 – Spring Return



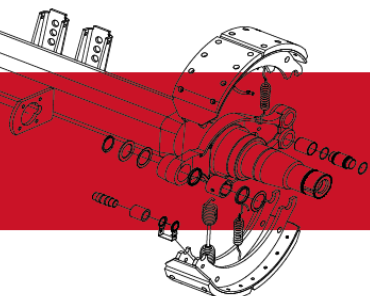
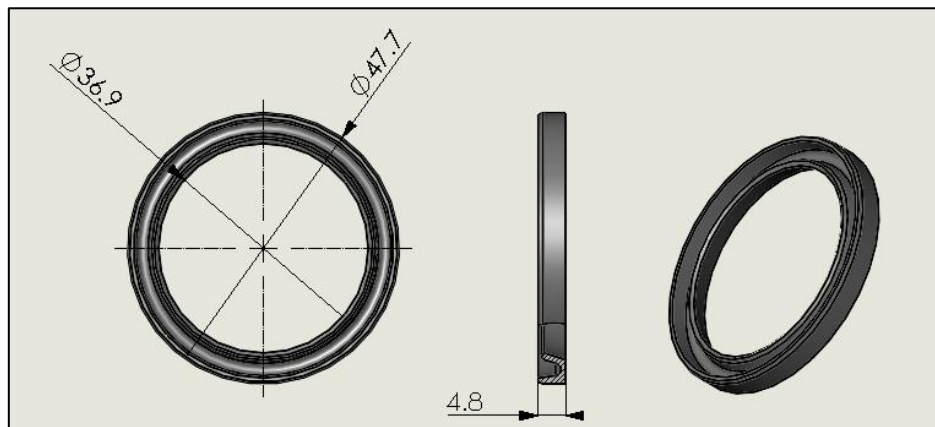
61120 – Circlip



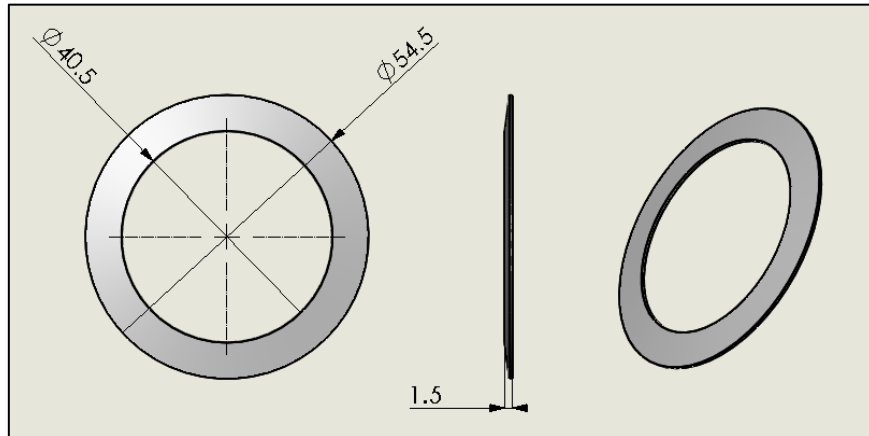
61058 – Camshaft Support Washer



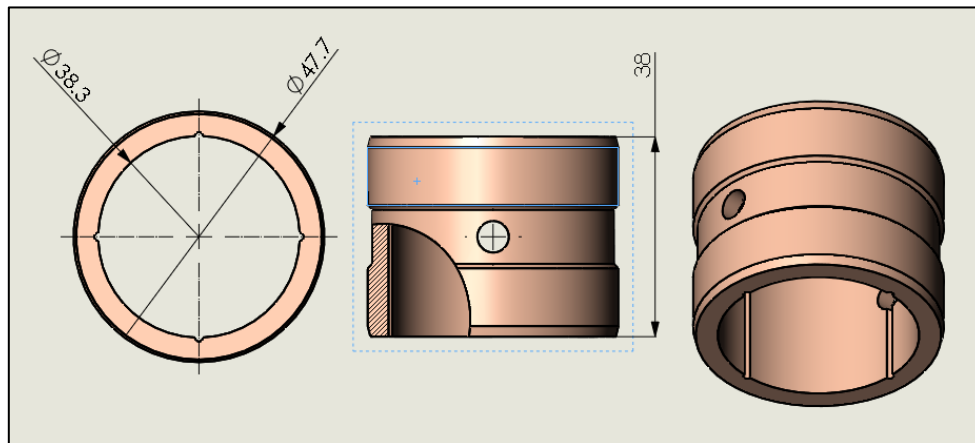
61056 – Camshaft Grease Seal



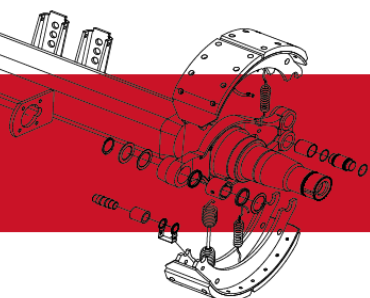
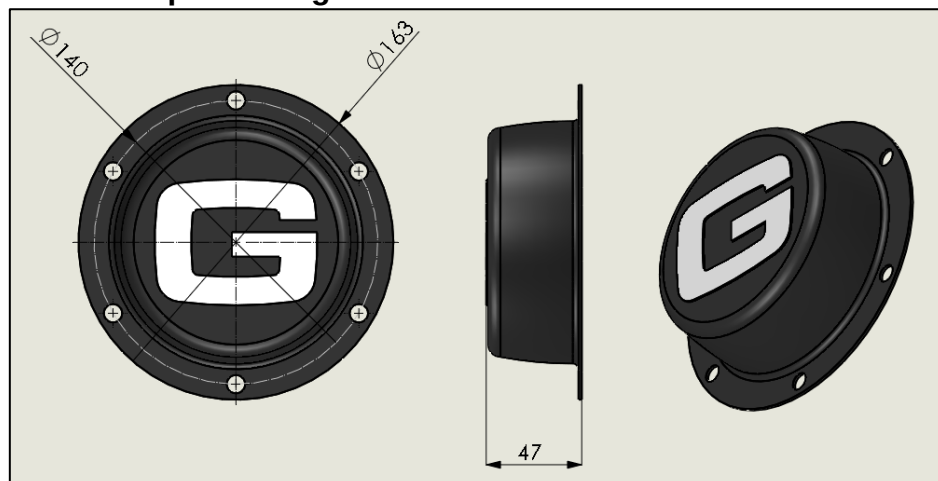
61057 – Camshaft Beveled Washer



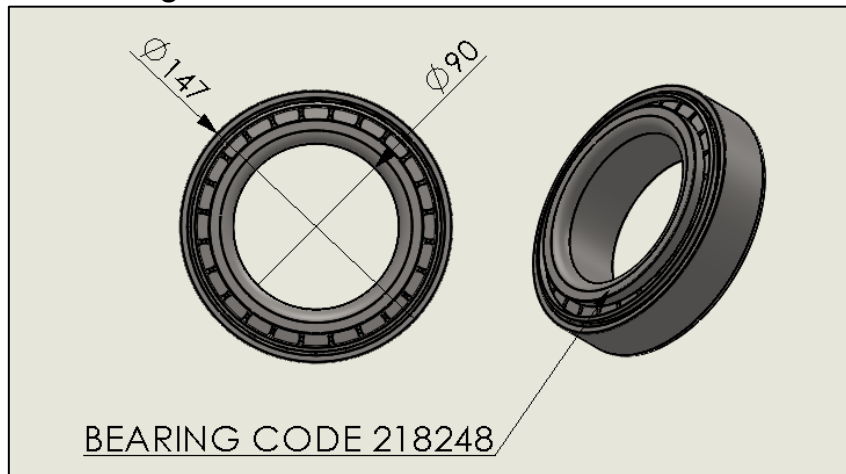
61055 – Camshaft Sintered Bush



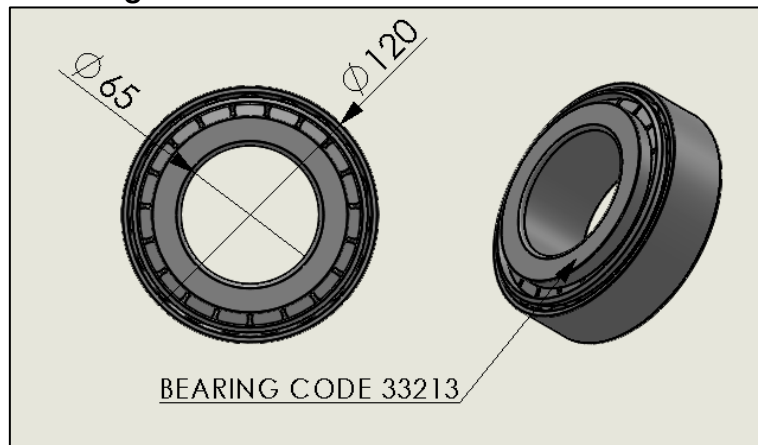
61322F – G Hub Cap Pressing



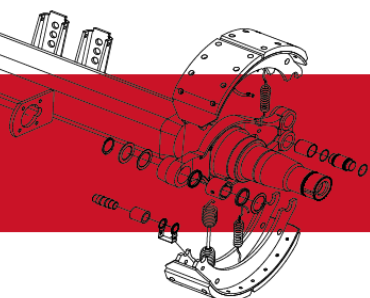
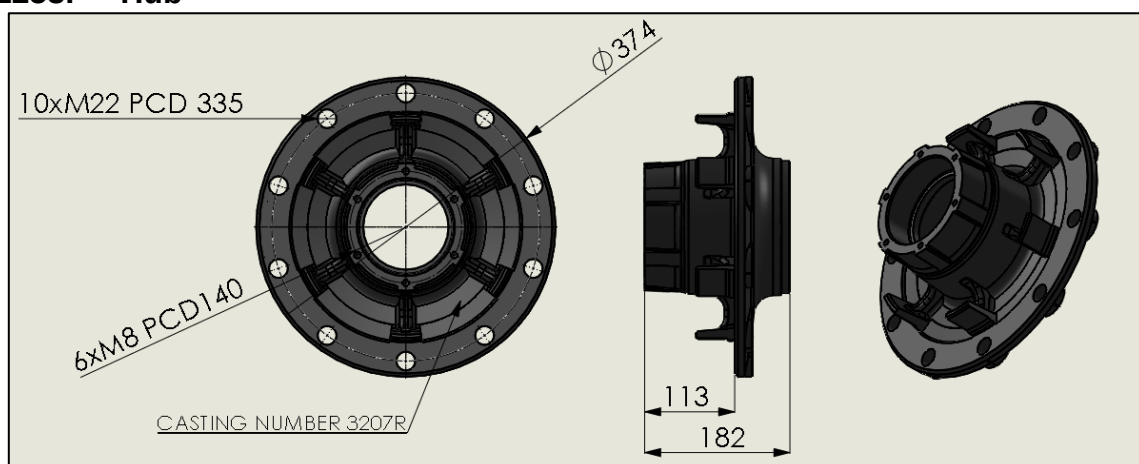
61260F – Inner bearing and cone



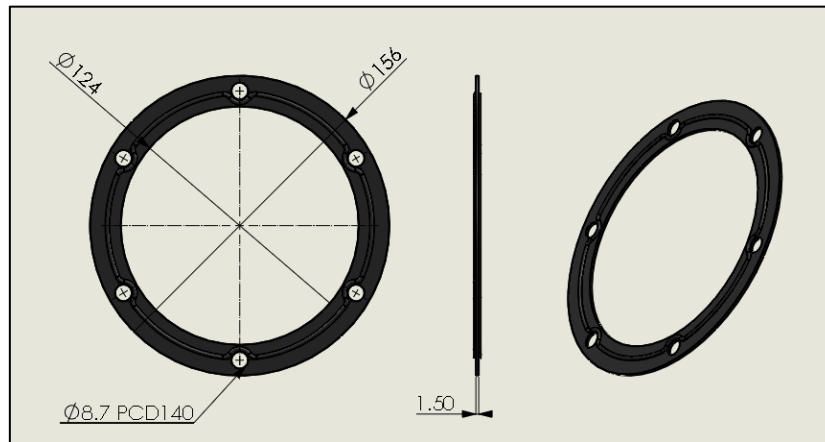
61270F – Outer bearing and cone



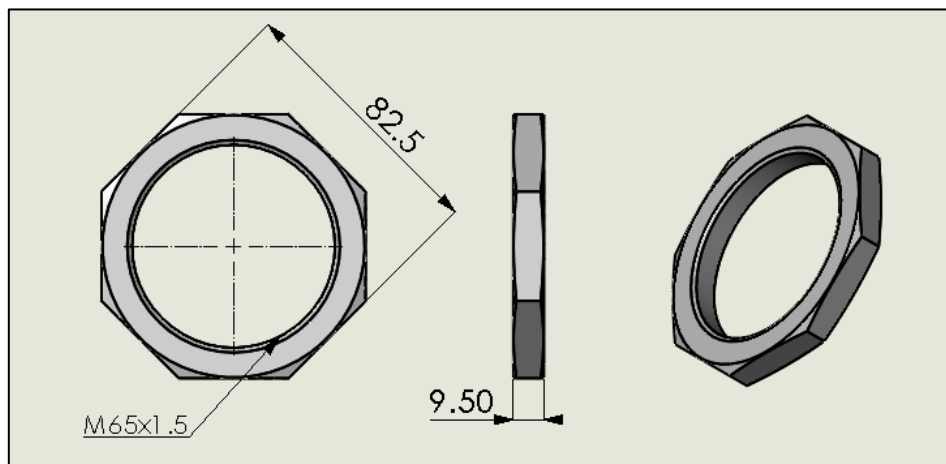
61253F – Hub



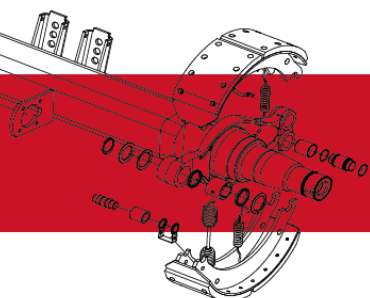
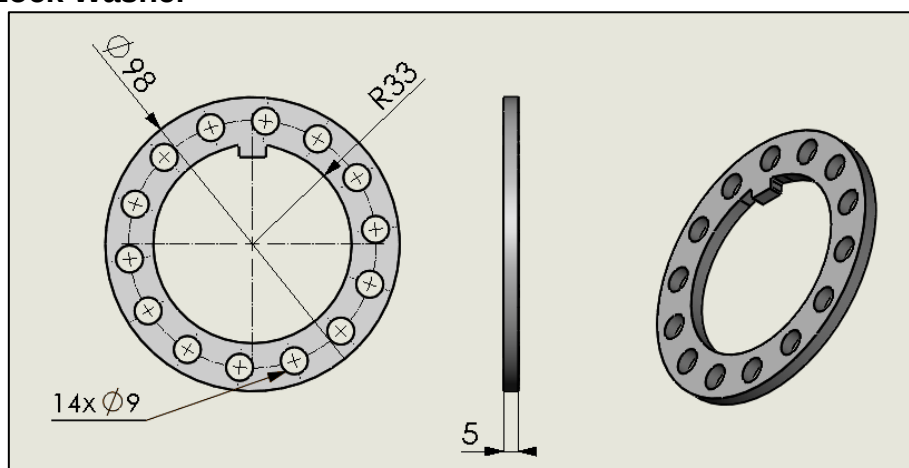
61330F – Gasket



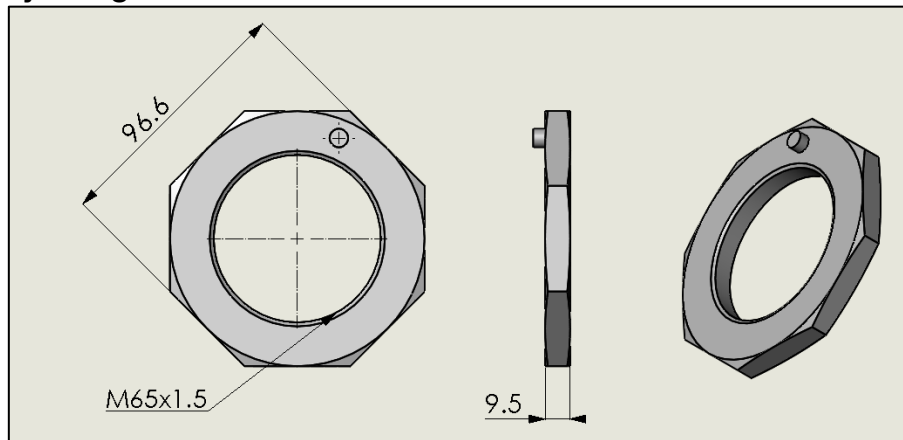
61310 – Locknut



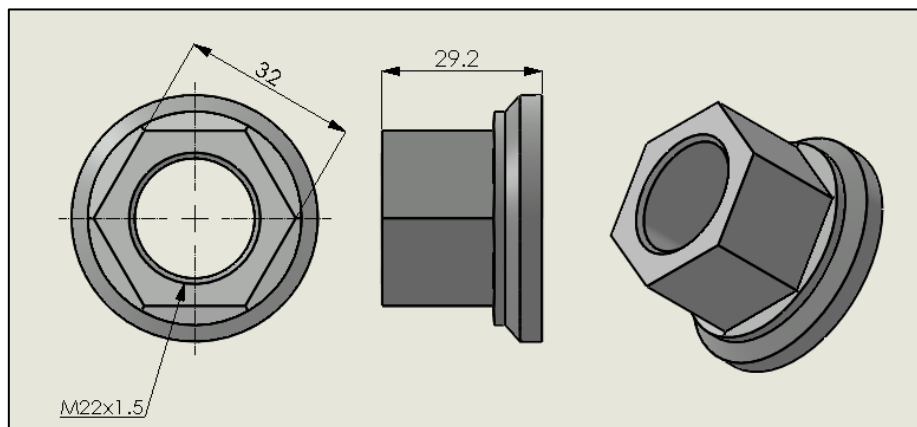
61300 – Lock Washer



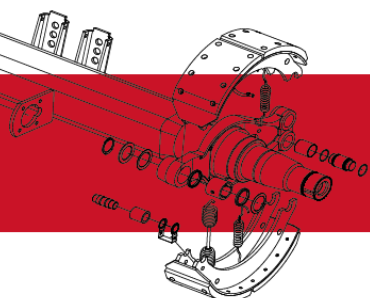
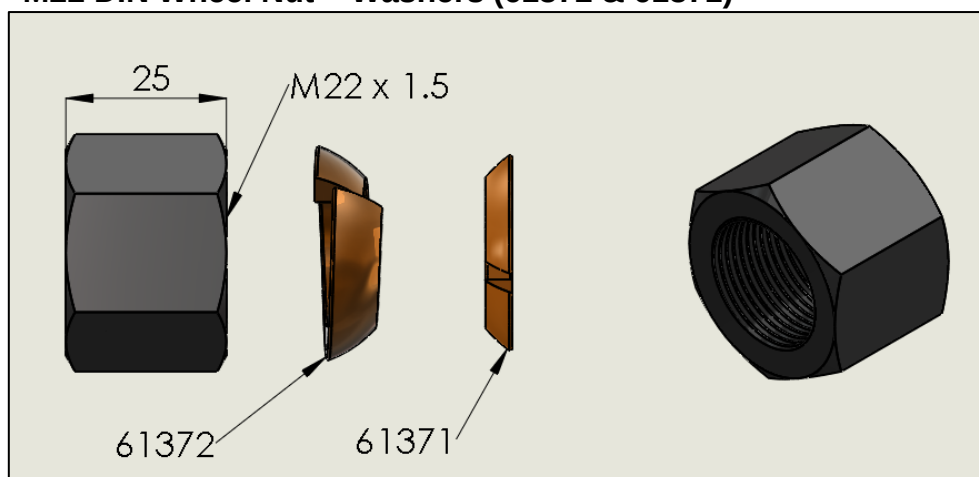
61290 – Adjusting Nut



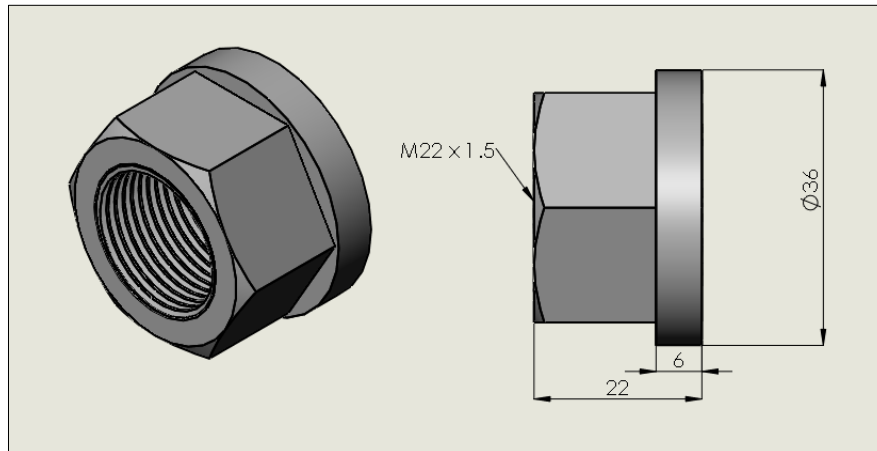
61381 – M22 ISO Wheel Nut



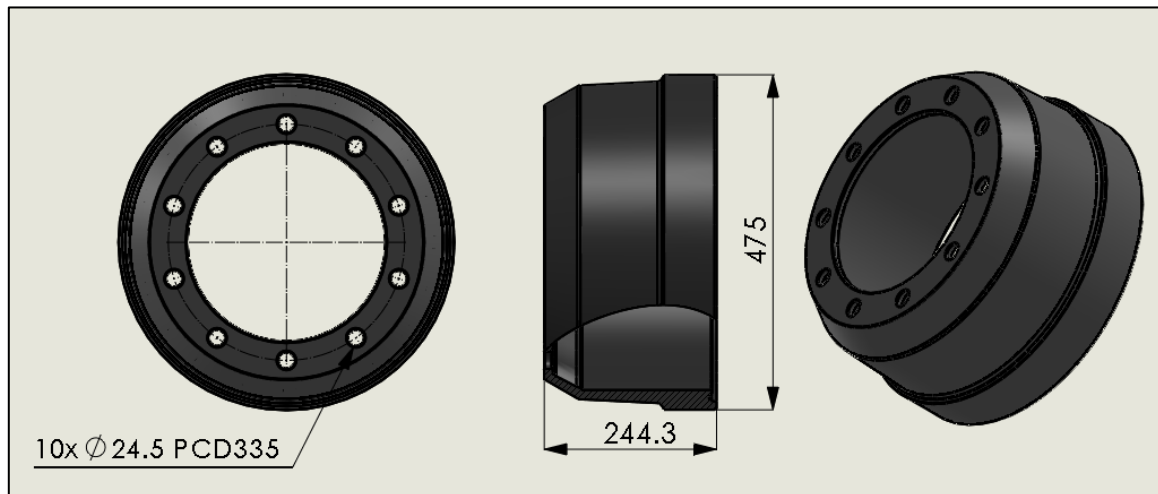
61383 – M22 DIN Wheel Nut + Washers (61372 & 61371)



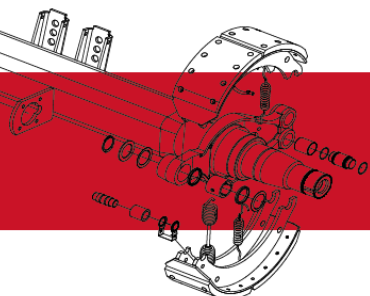
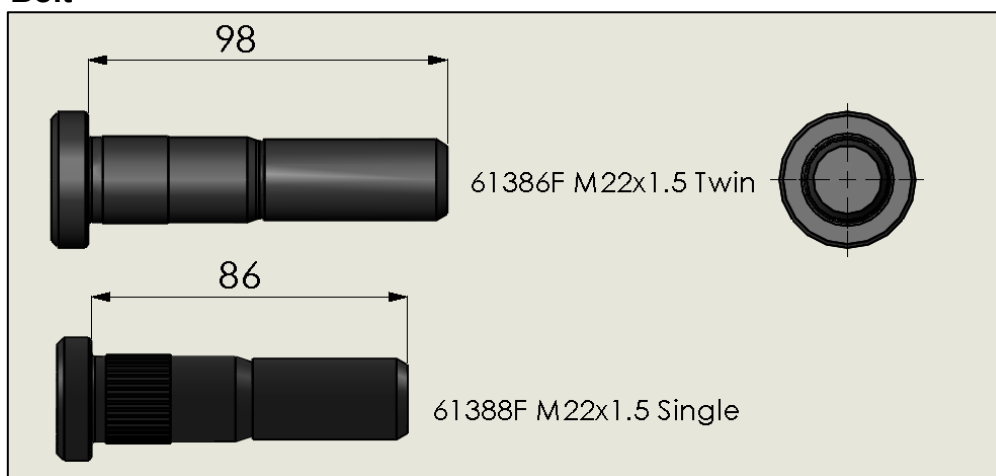
61411 – M22 DIN Wheel Nut



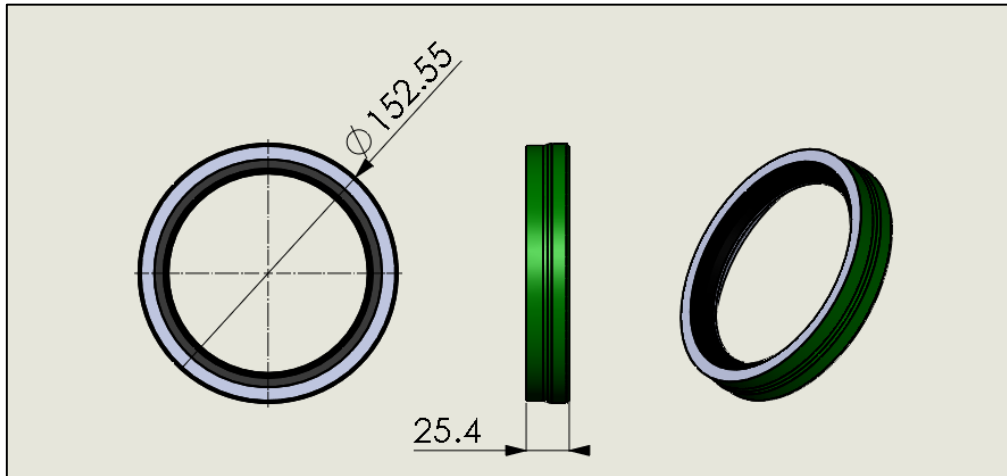
61243F – Brake Drum



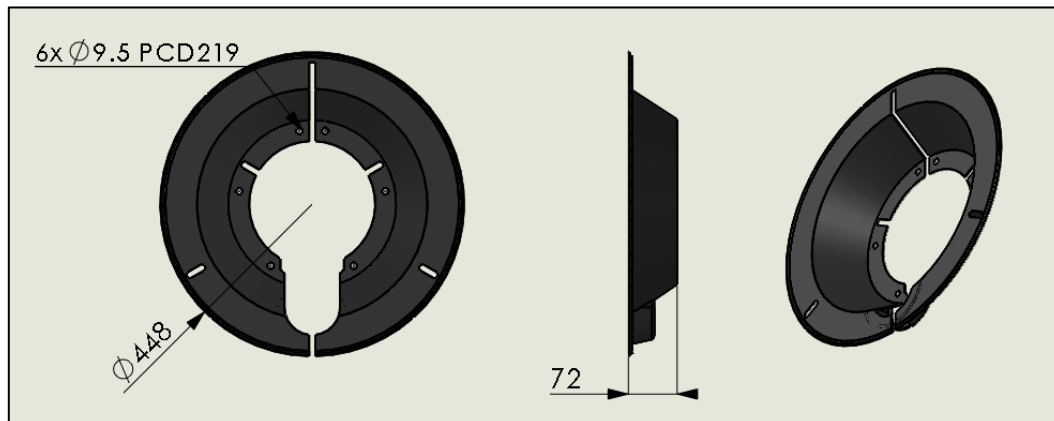
Wheel Bolt



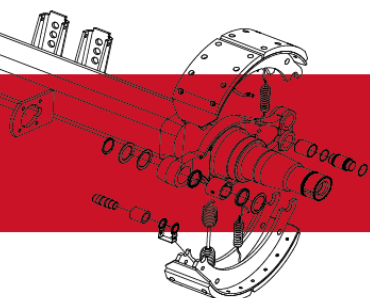
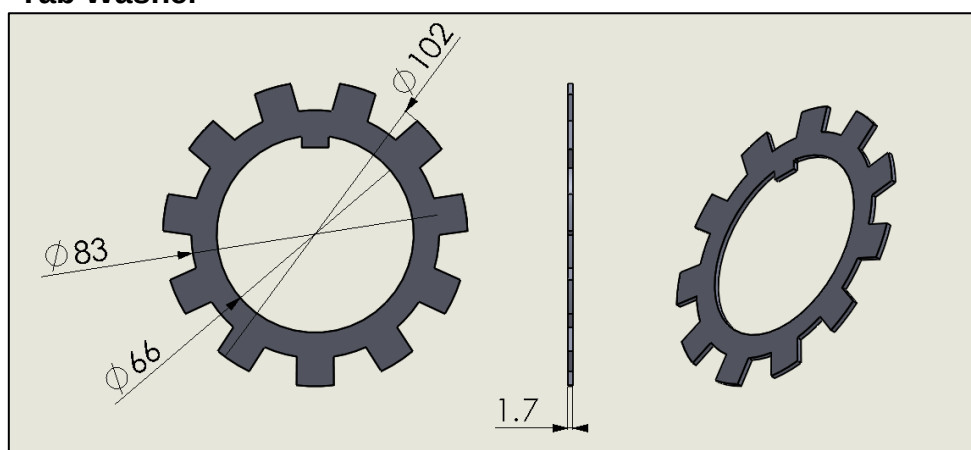
61282F – Unitised Grease Seal

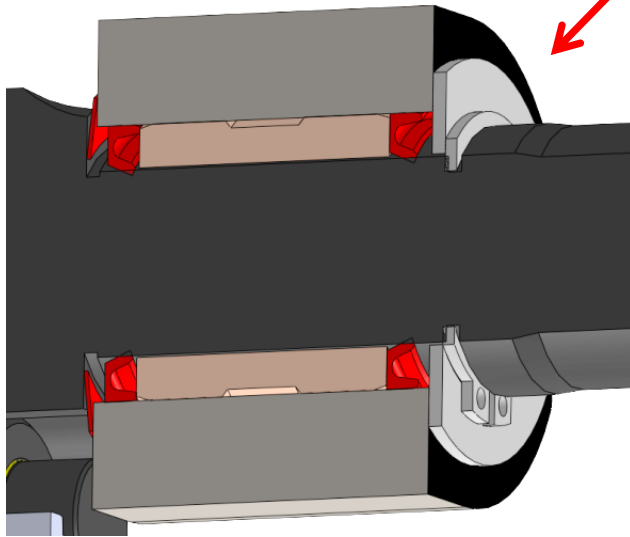
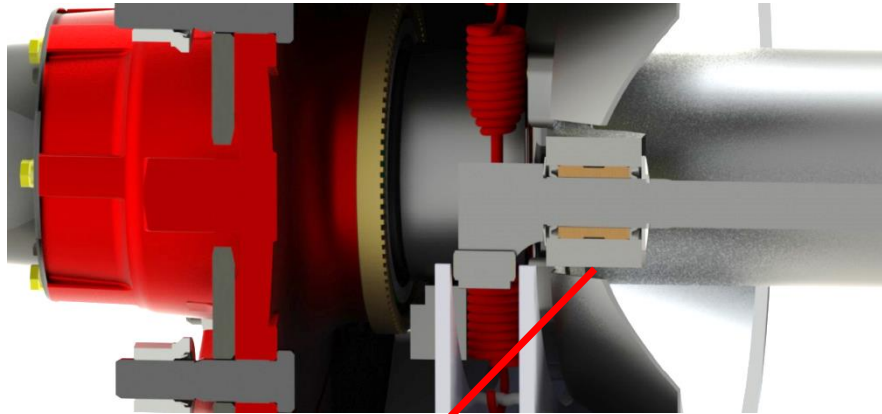


61390F – Dust Cover

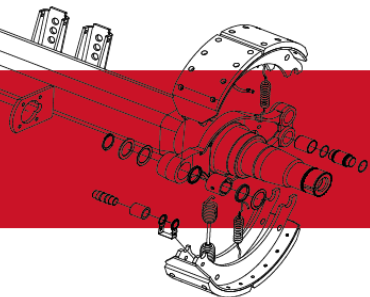


61311 – Tab Washer



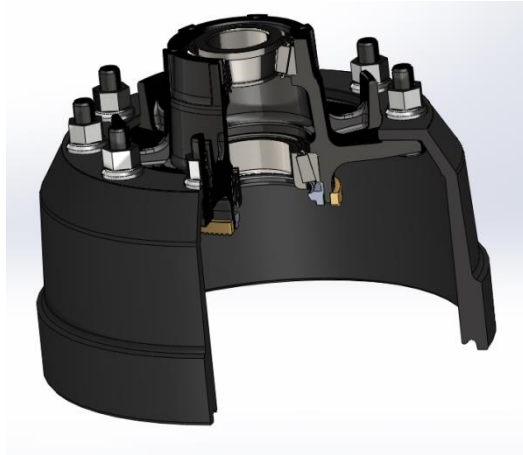


The direction of the grease seals in the anchor bracket is important as well as the position of the beveled washer between the anchor bracket and camshaft head.



Ordering Of Sub-Assemblies

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

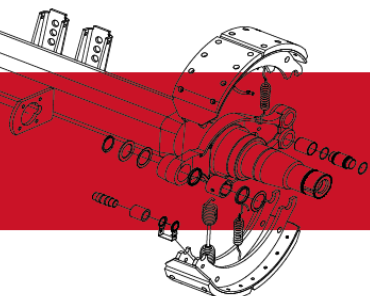


71001 – Single Wheel Stud Hub and Drum Assembly
71001W – 71001 with 1 x 100 tooth pole wheel 61789

Part Number	Quantity	Description
61243F	1	Drum
61253F	1	Hub
61270F	1	Outer Bearing
61260F	1	Inner Bearing
61388F	10	Single wheel stud
61381Z	10	ISO wheel nut

71004 – Twin Wheel Stud Hub and Drum Assembly
71004W – 71004 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 – 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

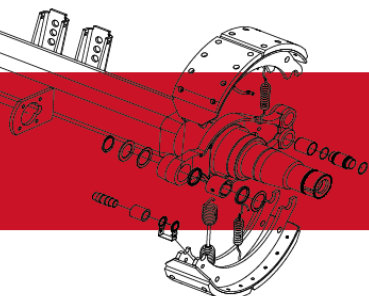
AK300 – Brake Shoe Kit (one side of axle)

Part Number	Quantity	Description
61140	1	Return spring
61141	2	Brake shoe retaining spring
61150	2	Spring anchor bar
61235	2	One Piece Cam roller
61220	2	Retainer cam roller
61200B	2	Bush anchor pin
61171	2	Anchor pin

AK200 – Camshaft Bush Kit (one side of axle)

Part Number	Quantity	Description
61080F	1	Spherical bearing
61055	1	Camshaft sintered bush
61056	2	Camshaft grease seal
61057	1	Beveled camshaft washer
61058	1	Camshaft washer
61120	2	Camshaft circlip
96365F	2	Camshaft support washer
61359	4	M8 Hex Bolt
96363F	4	Serrated Washer
96364F	4	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.





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