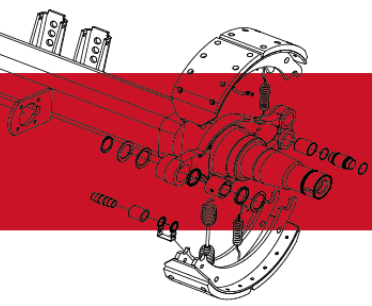


Steer Axle Spare Parts

- **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**
- **TIS Series Spare Parts**
- **Axle Brake Components**





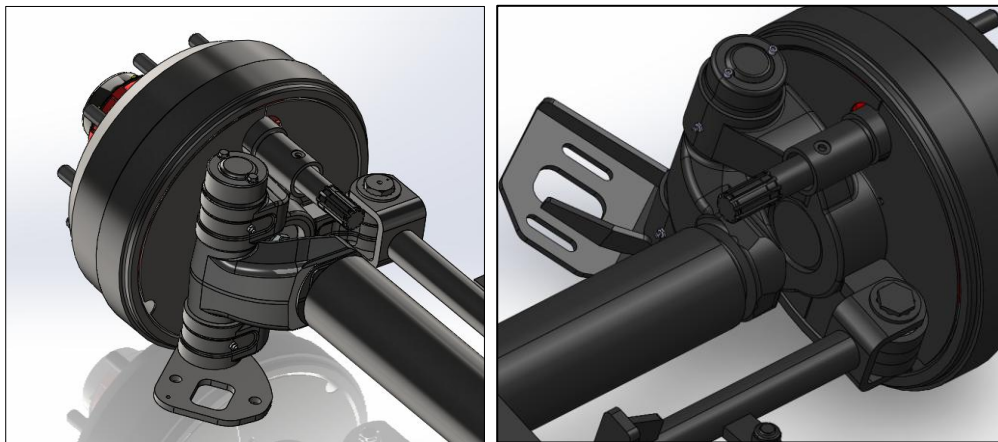
granning
axle and suspension solutions

STEER AXLE IDENTIFICATION

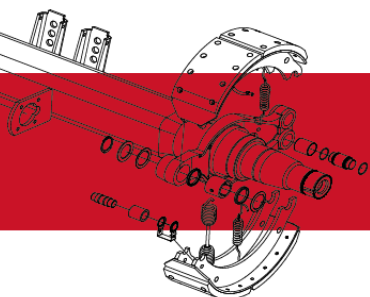
To identify a **860A** steer axle:

127mm round beam, 406x120 brake, 10 stud, 281 stud PCD

- The kingpin has no locating bolts.
- The top of the kingpin has a round cap.
- There is no ACB plate. The ACB is bolted to the bottom of the kingpin

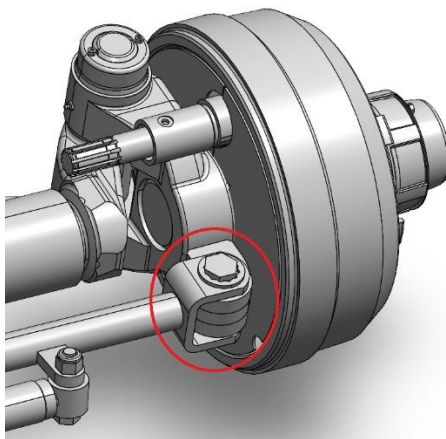


860A Series – No grease nipple in the track rod bolt



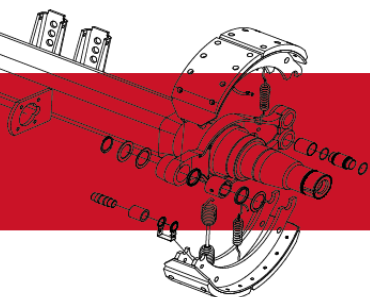
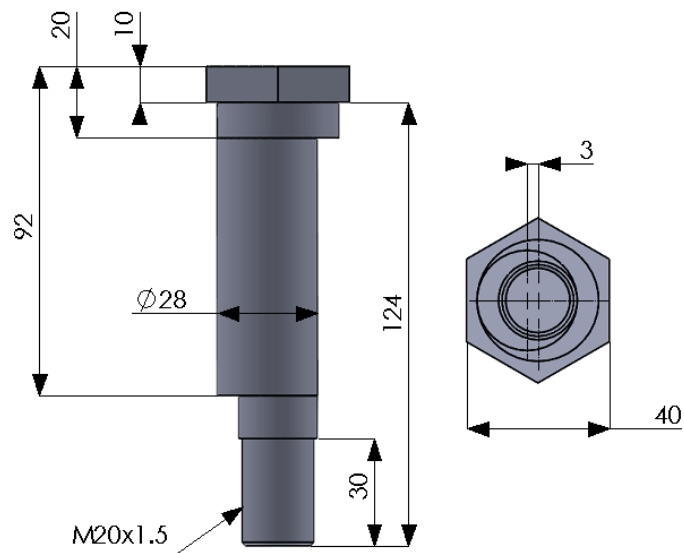
860A steer axle parts

Track Rod Bush Parts

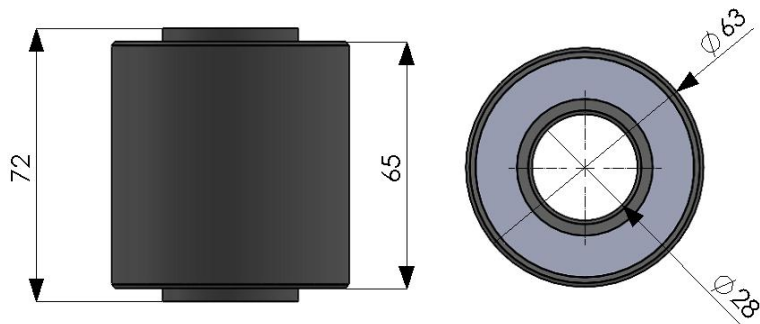


Part No.	Description	QTY per Steer Axle
37093	Eccentric Track Rod Bush Bolt M20x124x1.5	2
37097	Track Rod Concentric Bush	2
37095	Track Rod Bush Nut M20x1.5	2
SK201	Track Rod Bush Kit (includes all of the above)	1

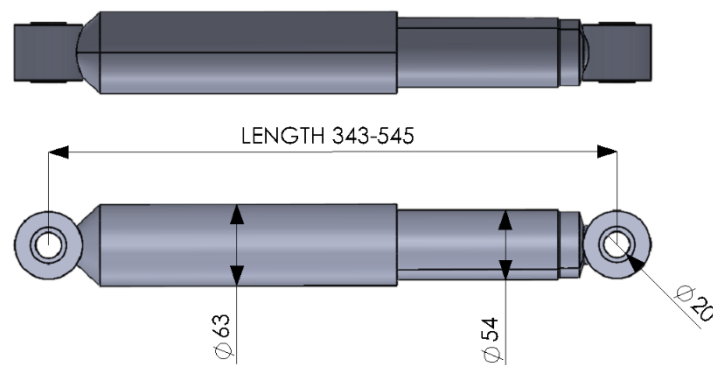
37093 – Eccentric Track Rod Bush Bolt



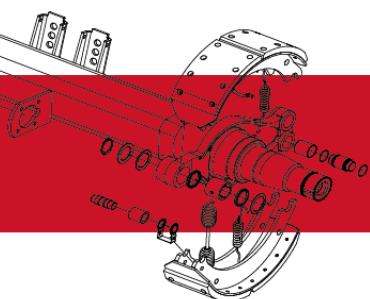
37097 – Concentric Track Rod Bush



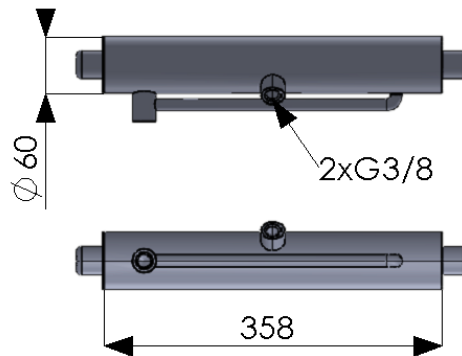
Shock Absorber Parts



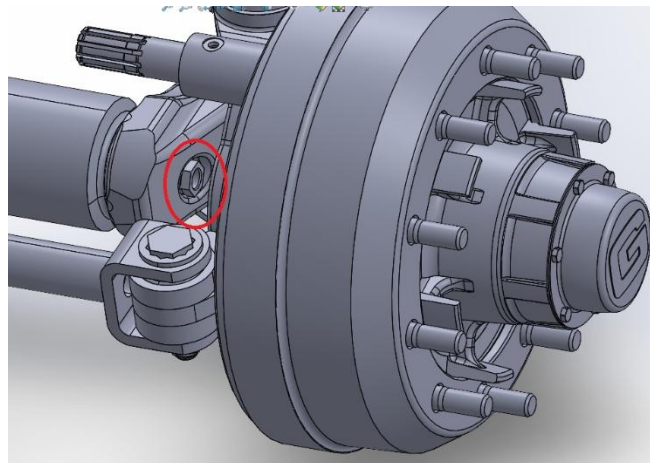
Part No.	Description	QTY per Steer Axle
37050	Shock Absorber	2
37100	Shock Absorber Bolt M20x90	4
37101	Shock Absorber Washer (21x37x3)	4
37102	Shock Absorber Locknut M20	4



Hydraulic Ram Parts

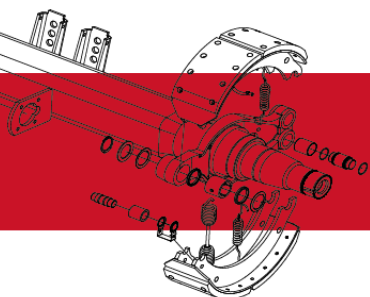


Part No.	Description	QTY per Steer Axle
37104	Hydraulic Ram (Self Steer)	1
37107	Hydraulic Ram Housing Bolt M14x100	2
37108	Hydraulic Ram Bolt Locknut M14	2
SK301	Hydraulic Ram Kit (Includes all of the above)	1

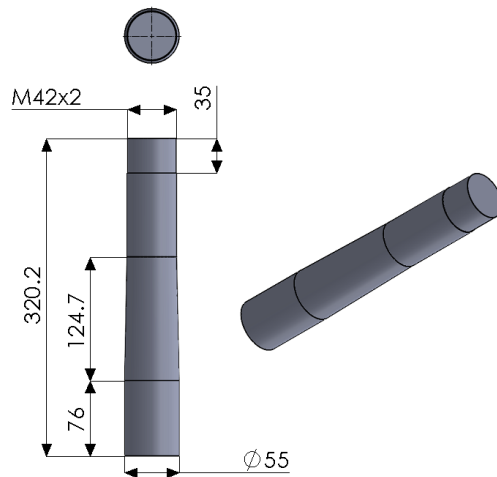
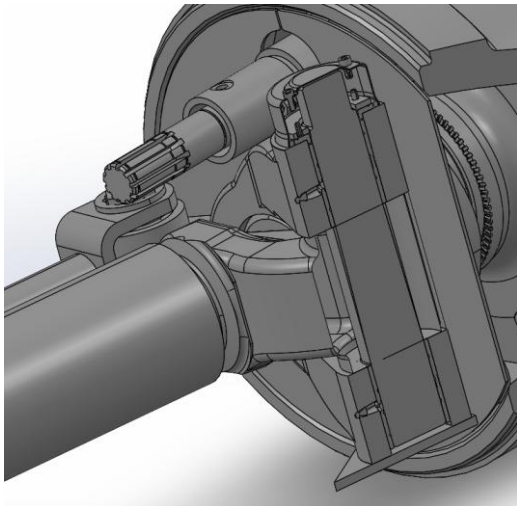


Steer Angle Adjusting bolts

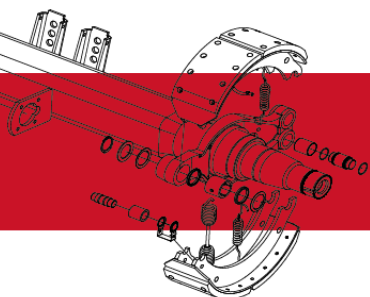
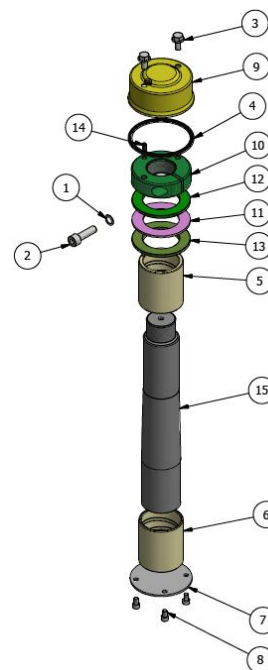
Part No.	Description	QTY per Steer Axle
37084	Steer Angle Limiting Bolt M20x40	2
37083	Steer Angle Limiting Nut M20	2



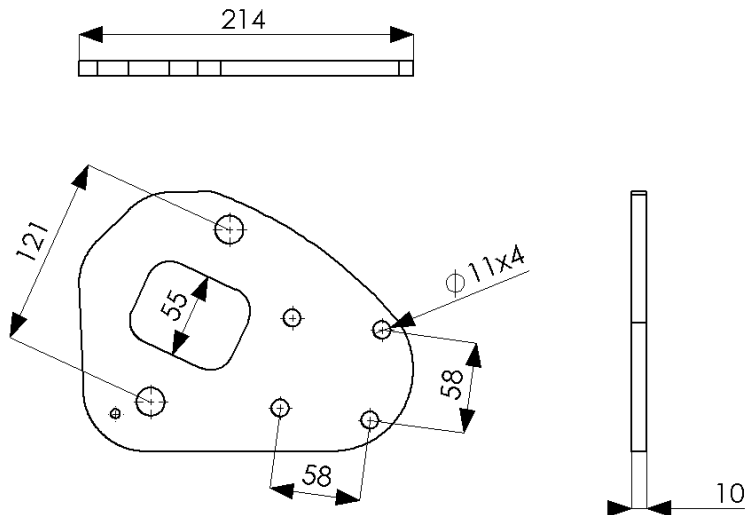
Kingpin Parts



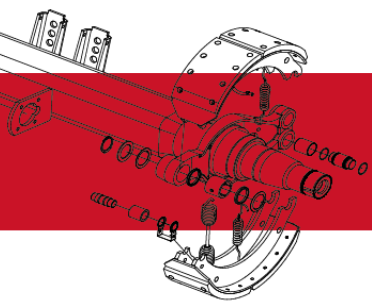
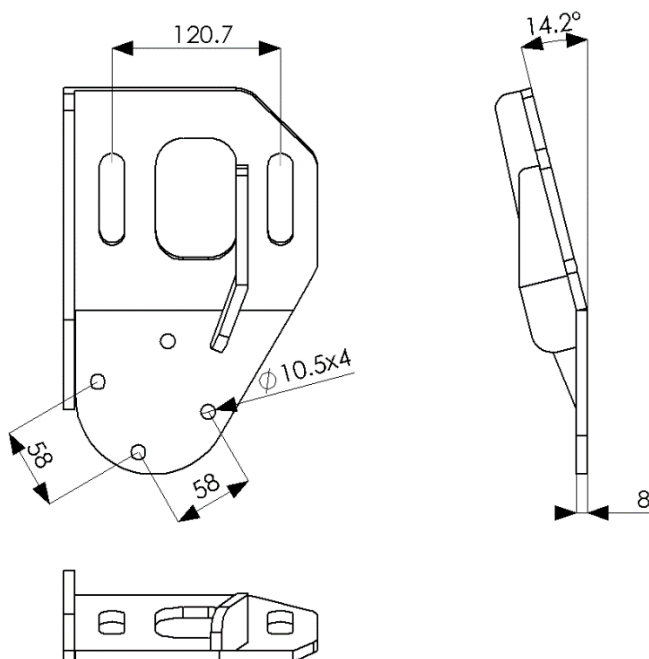
Item No.	Part No.	Description	QTY per Steer Axle
1	N/A	-----	-
2	37060	Kingpin Pinch Bolt M10x40	2
3	37053	Kingpin Cap Bolt M8x16	4
4	37057	Kingpin O-Ring	2
5	37068	Kingpin Bush Small – Nylon	2
6	37070	Kingpin Bush Large – Nylon	2
7	37074	Kingpin Bottom Cap	2
7a	37292	Round Cap Gasket	2
8	37075	Kingpin Bottom Cap Bolt M10x16	8
9	37055	Kingpin Cap	2
10	37059	Kingpin Clamp Ring	2
11	37066	Seal Washer	2
12	37064	Lock Washer	2
13	N/A	-----	-
14	37062	Lock Washer Pin	4
15	37072	Kingpin	2
	SK101	Kingpin Kit (Includes all of the above)	1



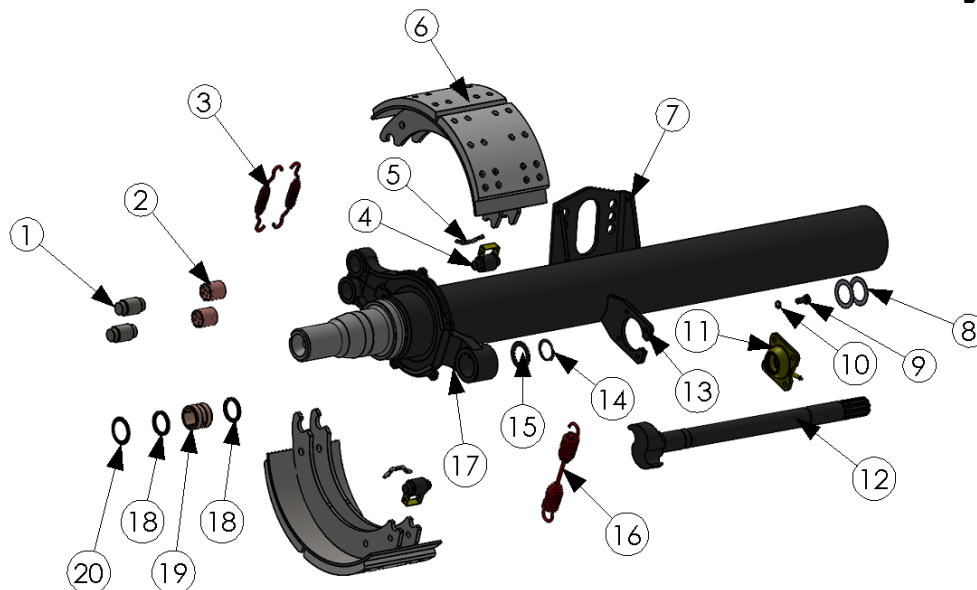
15308 860 Series ACB bottom 250mm camshaft



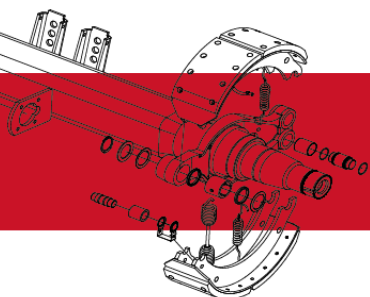
37087 Left shown below (37088 right) 860 Series ACB bottom



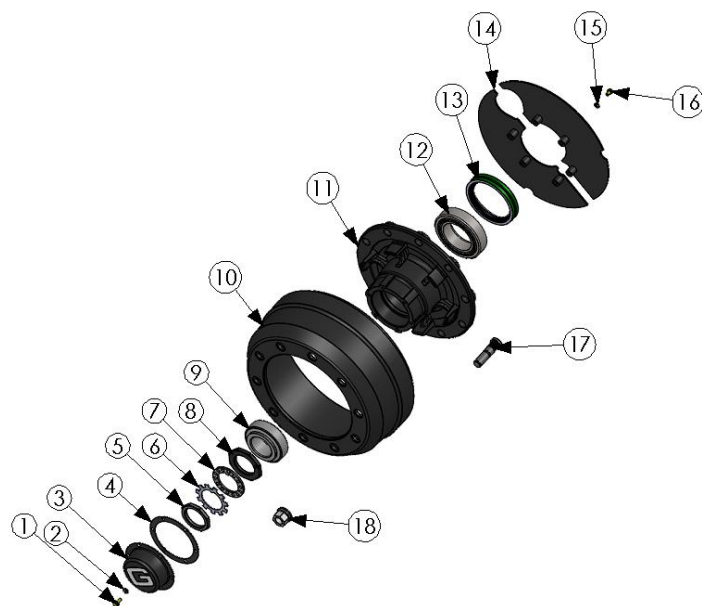
406 x 120 – 860 Series Quick Fit Brake Assembly



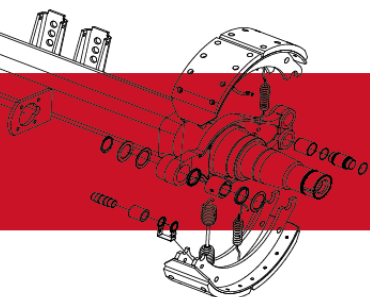
Item	Description	Part No.	QTY per Axle	Kit Name
1	Anchor Pin	61171	4	AK300
2	Bush Anchor Pin	61200B	4	AK300
3	Brake Shoe Retaining Spring	61141	4	AK300
	Brake Shoe Assembly	61159FA	4	
(4)	Retainer Cam Roller	61235	(4)	AK300
	Retainer Cam Roller Retainer	61220	(4)	AK300
(5)	Spring Anchor Bar	61150	(4)	AK300
(6)	Brake Shoe (FWE11)	61159F	(4)	
7	Air Chamber Bracket (Round Beam)	61041F	2	
	Air Chamber Bracket (120mm Square)	61047	2	
8	Camshaft Support Washer	96365F	4	AK200
9	M10 x 20 Screw	61359	8	AK200
10	Serrated Washer	96363F	8	AK200
	Spring Washer	96364F	8	AK200
11	Spherical Bearing	61080F	2	AK200
	Spherical Bearing Grease Nipple ¼" 28UNF	61107	2	AK200
12	Axle Camshaft		2	
13	Camshaft Support Bracket (Round Beam)	61050F	2	
	Camshaft Support Bracket (120mm Square)	61040	2	
14	Circlip	61120	2	AK200
15	Support Washer Camshaft	61058	2	AK200
16	Brake Return Spring	61140	2	AK300
17	Anchor Bracket Grease Nipple 1/8 NPT 45°	61110	2	
18	Camshaft Grease Seal	61056	4	AK200
19	Camshaft Sintered Bush	61055	2	AK200
20	Beveled Washer	61057	2	AK200



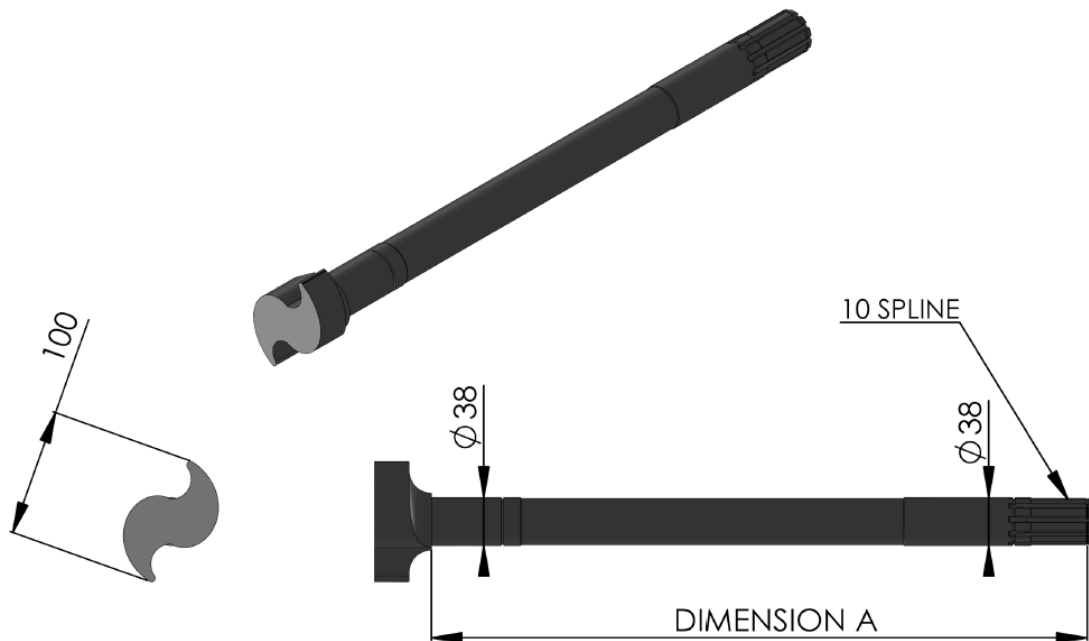
406 X 120 – 860 Series Hub/Drum Assembly



Item	Description	Part No.	QTY per Axle	Kit Name
1	Screw M8 x 16 Fl. Head	61358F	12	AK102
2	M8 Serrated Washer	96366F	12	AK102
3	Hub Cap Pressing "G"	61322	2	AK102
4	Gasket	61330F	2	AK102
5	Locknut	61310	2	AK100
6	Tab Washer	61311	2	AK100
7	Lock Washer	61300	2	AK100
8	Adjusting Nut	61290	2	AK100
9	Outer Bearing	61270F	2	61287/8F
10	Brake Drum 10 Stud	61550F	2	61287/8F
11	Hub Spigot 10 Stud	61253F	2	61287/8F
12	Inner Bearing	61260F	2	61287/8F
13	Unitised Grease Seal	61282F	2	61287/8F
14	Dust Cover (Round Beam)	61399	2	
	Dust Cover (Square Beam)	61396	2	
15	M8 Serrated Washer	96366F	12	
16	M8x16mm Bolt	61358F	12	
17	Wheel Bolt M22 ISO (Twin)	61386F	20	61288F
	Wheel Bolt M22 ISO (Single)	61388F	20	61287F
18	ISO Wheel Nut M22	61381Z	20	61287/8F
	DIN Wheel Nut M22	61383	20	
	DIN Wheel Nut M22	61411	20	
	DIN Nut Outer Washer	61372	20	
	DIN Nut Inner Washer	61371	20	



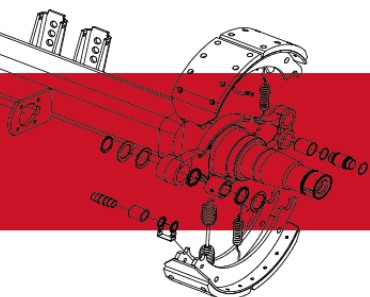
406 x 120 – 860 Series Camshaft Parts List



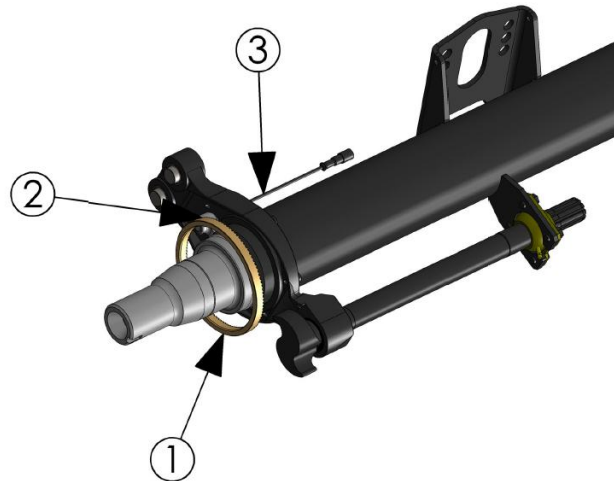
Item	Description (DIM A)	Part No.
1	Left Hand Large Head (189mm)	61127
2	Right Hand Large Head (189mm)	61147
3	Left Hand Large Head (212mm)	61061
4	Right Hand Large Head (212mm)	61071
5	Left Hand Large Head (250mm)	61138
6	Right Hand Large Head (250mm)	61148
7	Left Hand Large Head (519mm)	61065
8	Right Hand Large Head (519mm)	61075
9	Left Hand Large Head (618mm)	61067
10	Right Hand Large Head (618mm)	61077
11	Left Hand Large Head (680mm)	61151
12	Right Hand Large Head (680mm)	61152

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

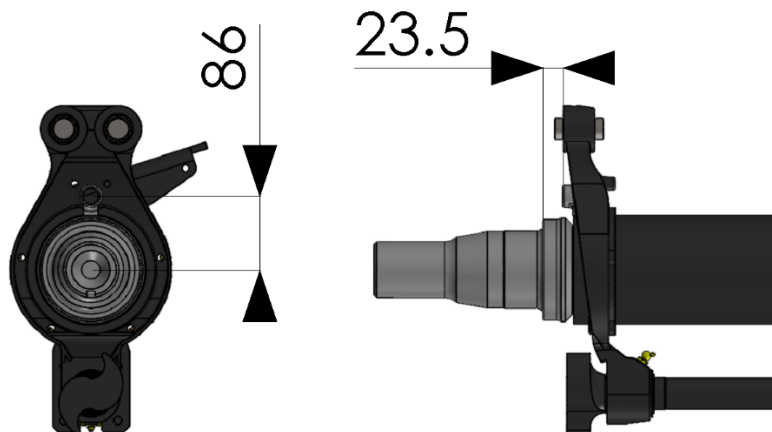
The illustrated camshaft is a right-hand camshaft. When looking at the head of the camshaft a right-hand cam is Z shaped and a left hand is S shaped



406 x 120 – 860 Series ABS/Anti-Lock Assembly



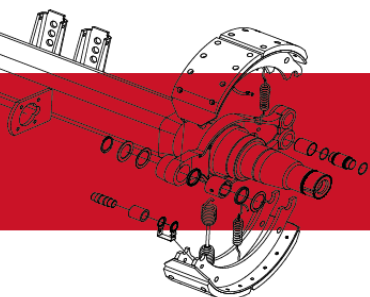
Item	Description	Part No.
1	Pole Wheel	61789
2	ABS Sensor Block	61781
3	ABS Sensor Bush	61792
4	Straight ABS Sensor Lead	61791



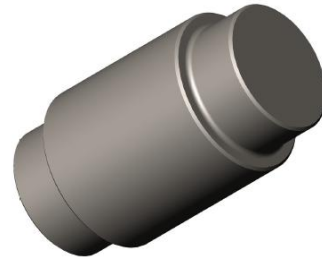
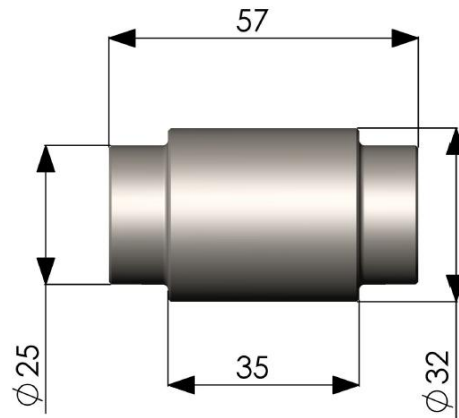
Pole wheel at 172mm PCD

Face of sensor block 23.5mm from large bearing shoulder

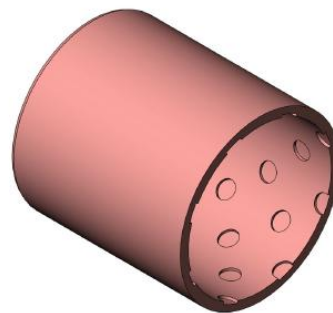
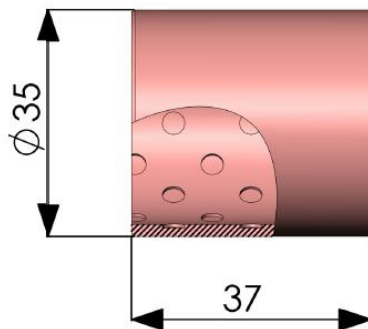
Weld on ABS block is 180 degrees to camshaft and is in line with hole in anchor bracket.



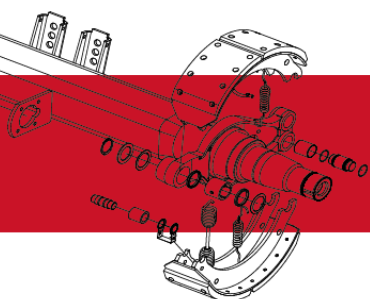
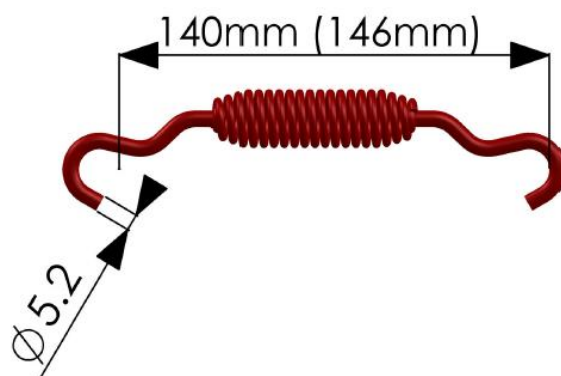
61171 – Anchor pin



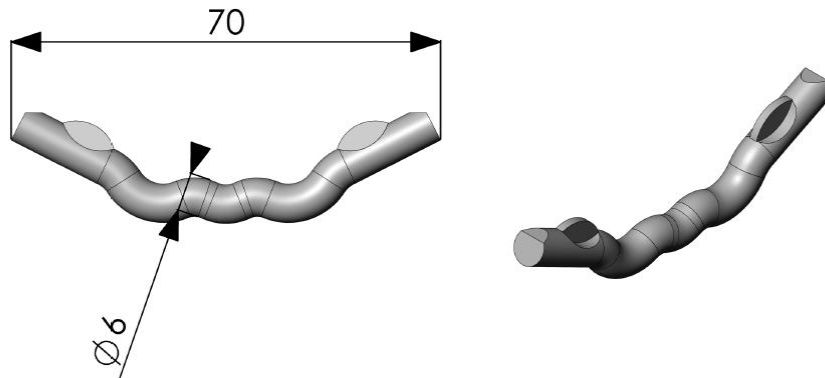
61200B – Bush Anchor Pin



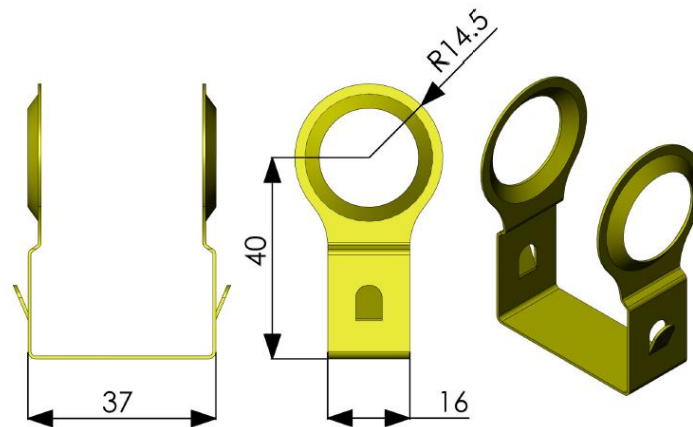
61141 – Brake Shoe Retaining Spring



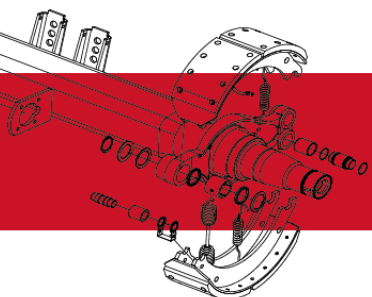
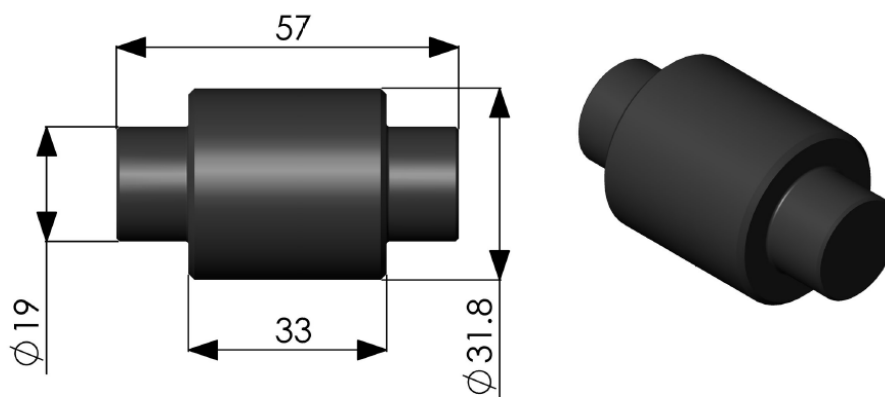
61150 – Spring Anchor Bar



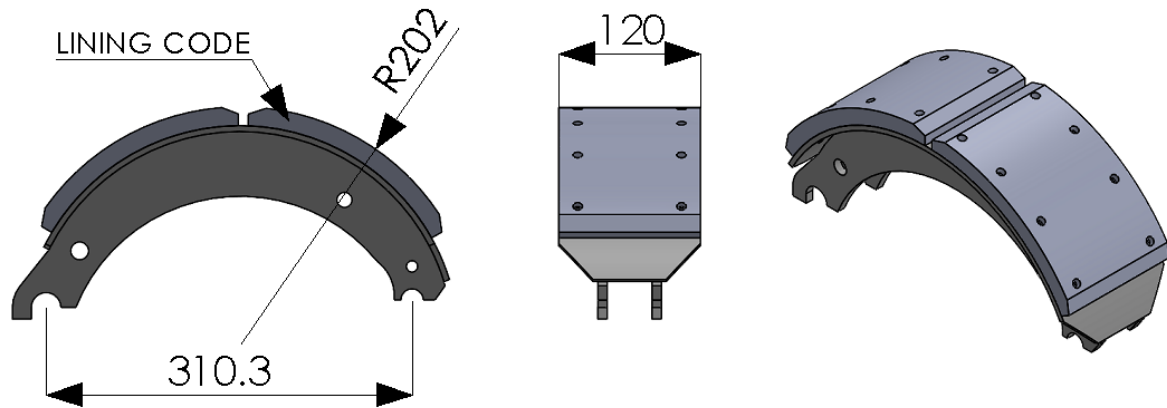
61220 – Retainer Cam Roller



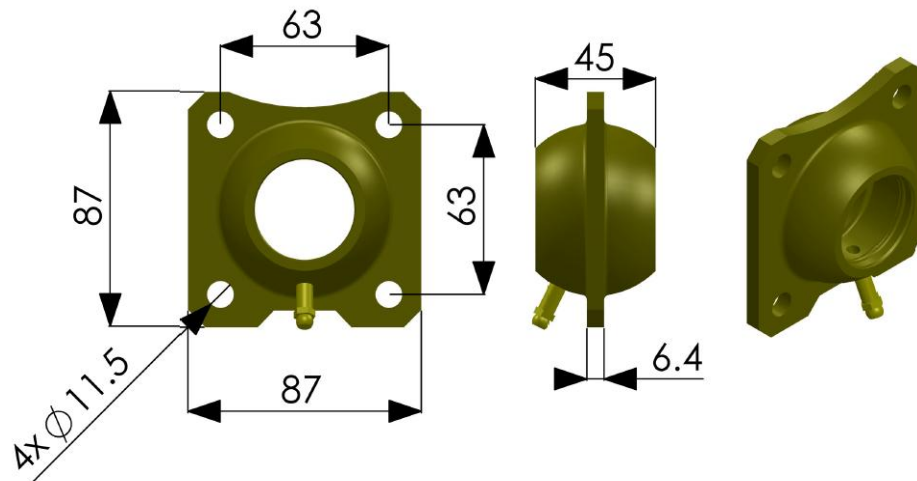
61235 – One Piece Cam Roller



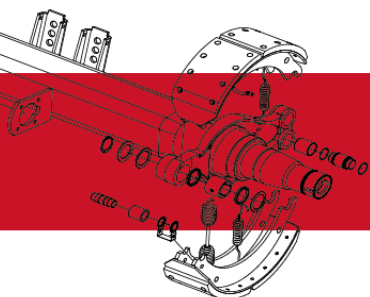
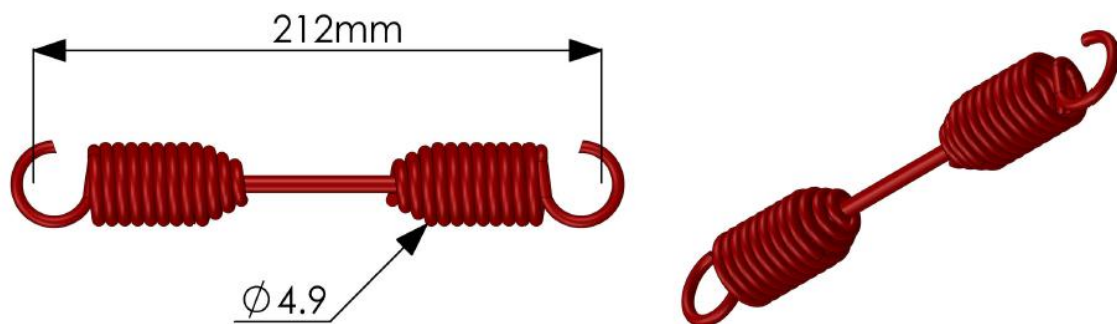
61159FA – Brake shoe with spring anchor bar and cam roller (FWE11)



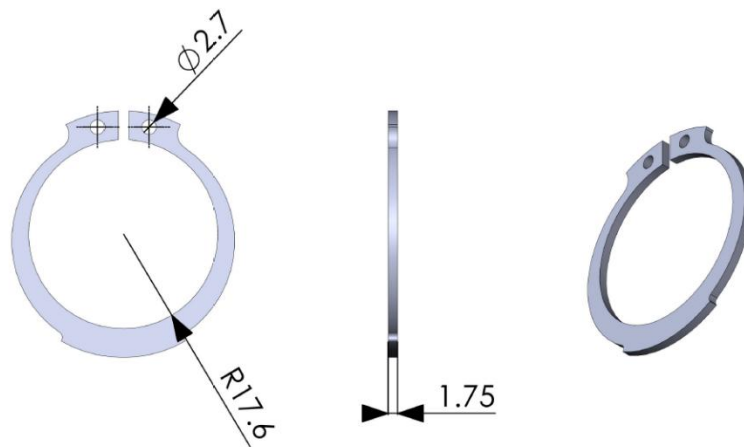
61080F – Camshaft Spherical Bearing



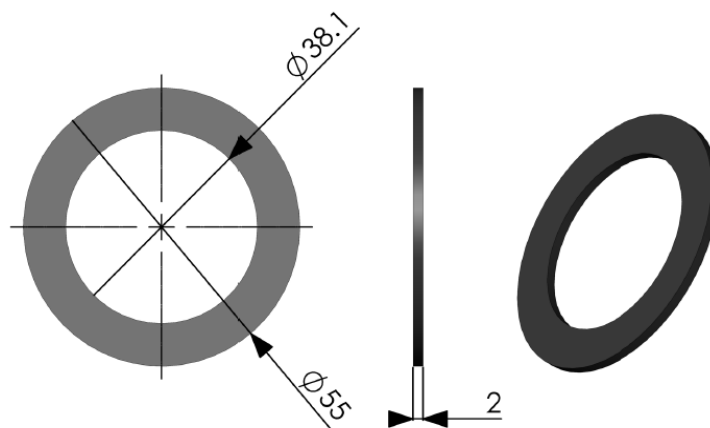
61140 – Spring Return



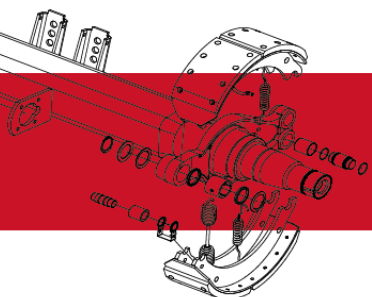
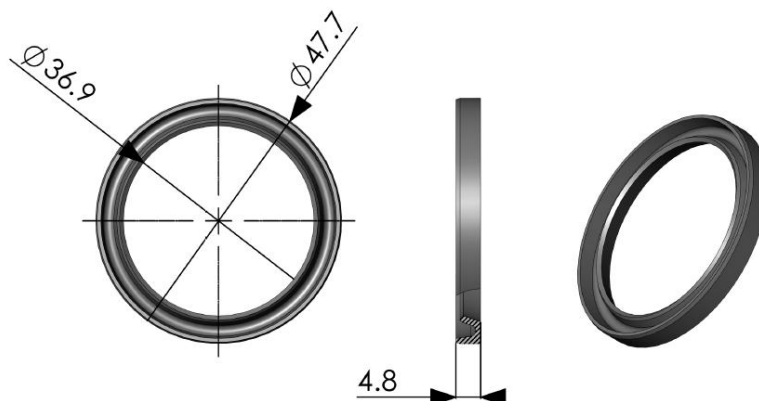
61120 – Circlip



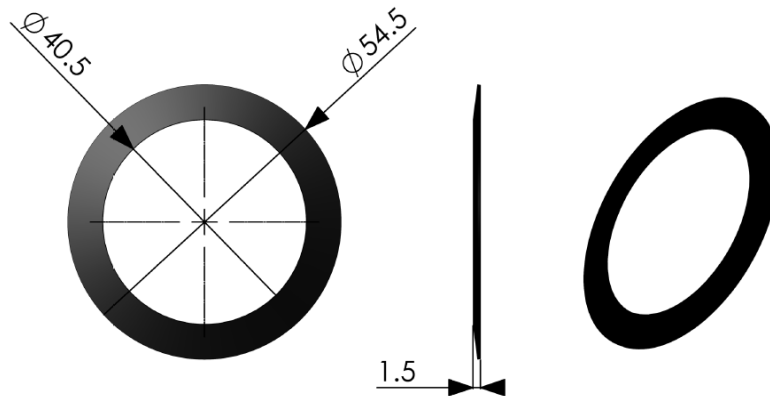
61058 – Camshaft Support Washer



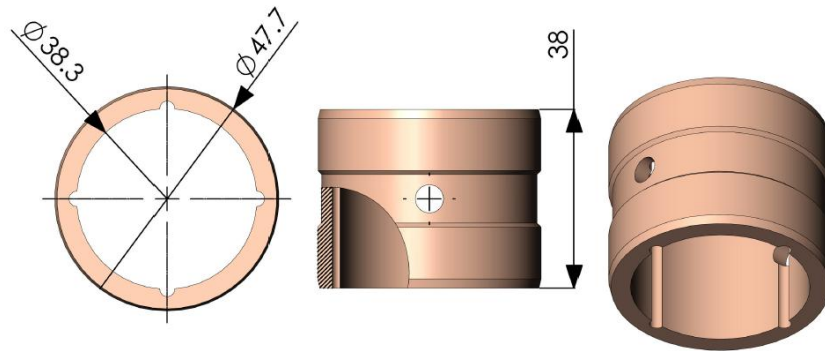
61056 – Camshaft Grease Seal



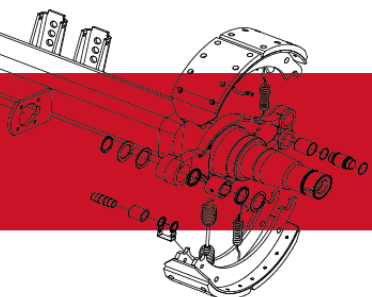
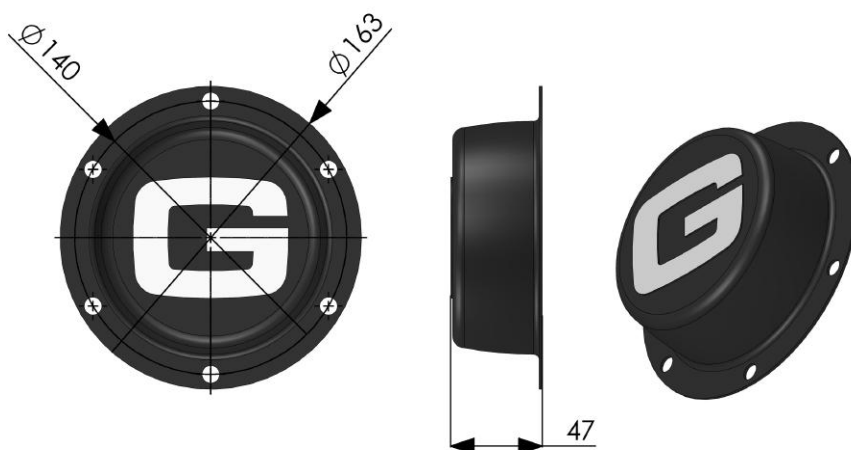
61057 – Camshaft Beveled Washer



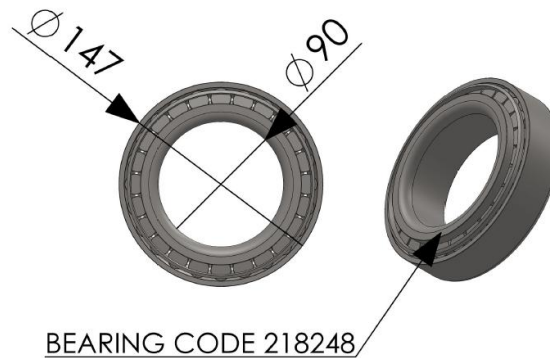
61055 – Camshaft Sintered Bush



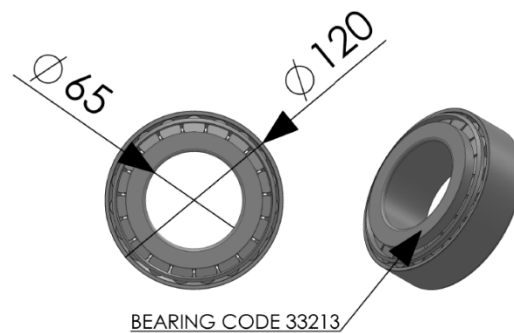
61322 – G Hub Cap Pressing



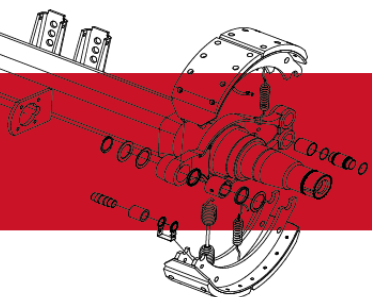
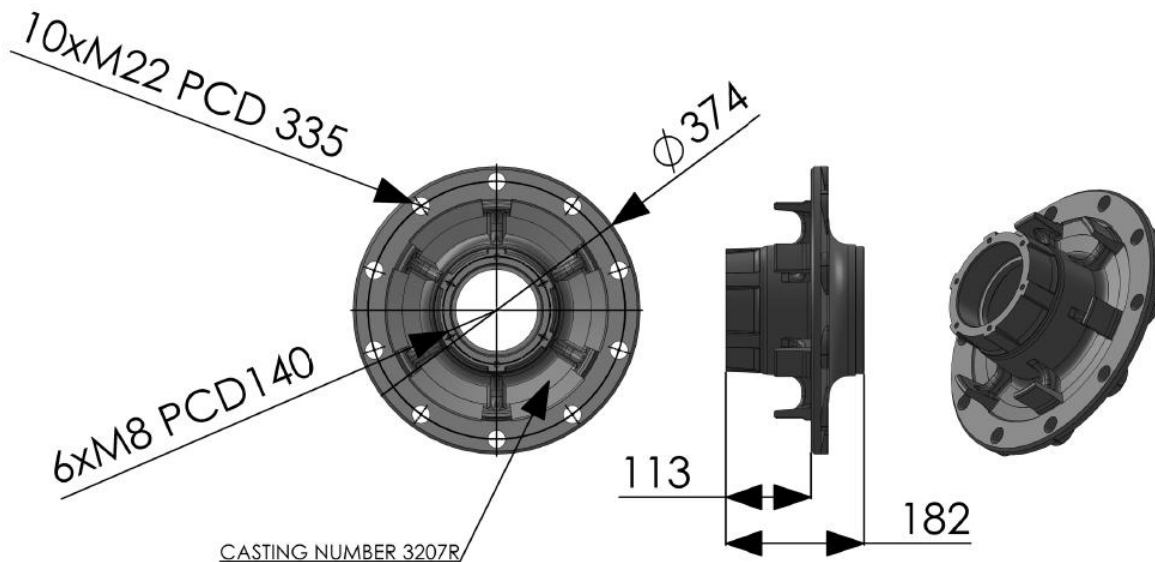
61260F – Inner bearing and cone



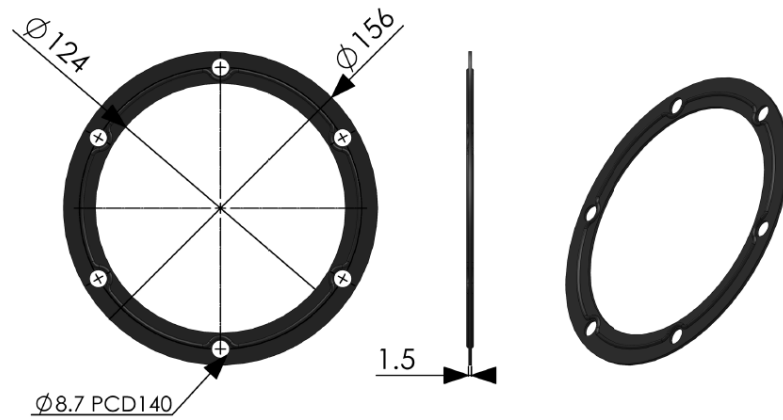
61270F – Outer bearing and cone



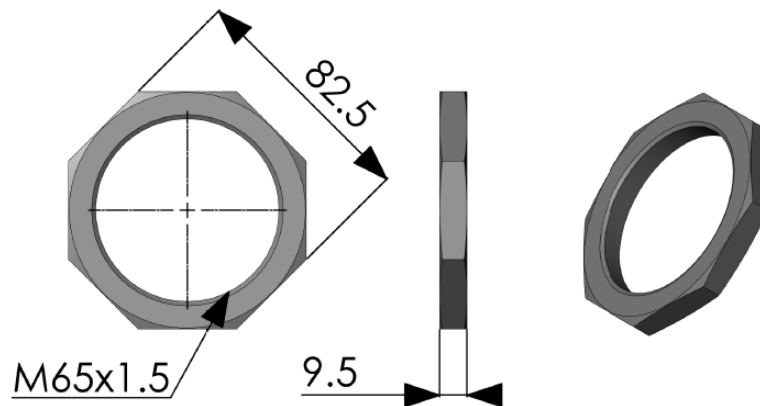
61253F – Hub



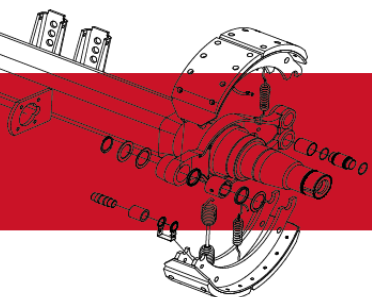
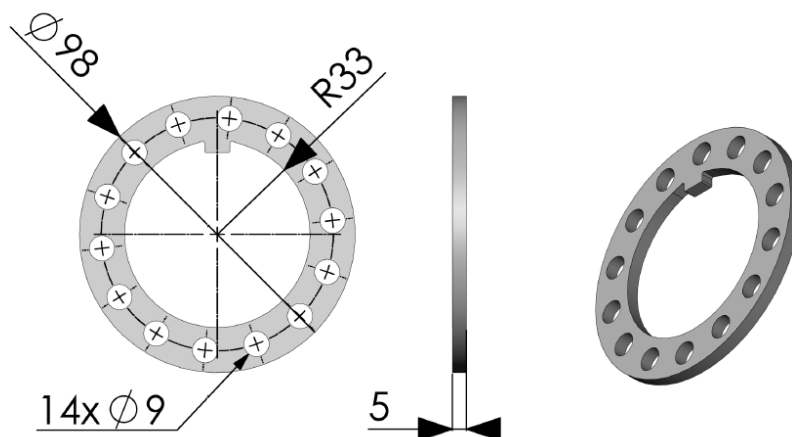
61330F – Gasket



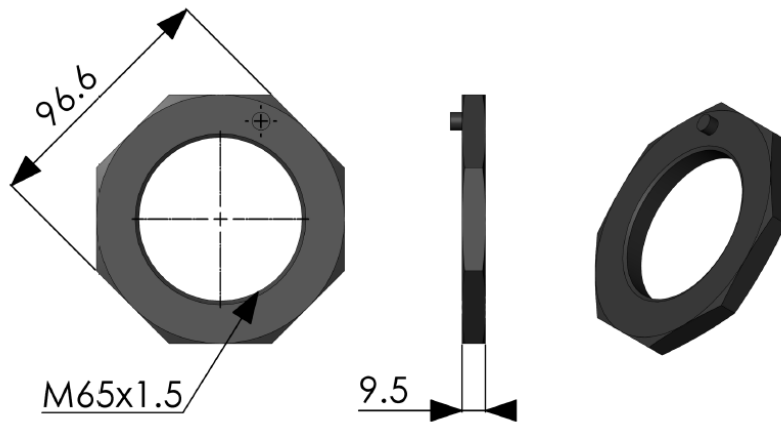
61310 – Locknut



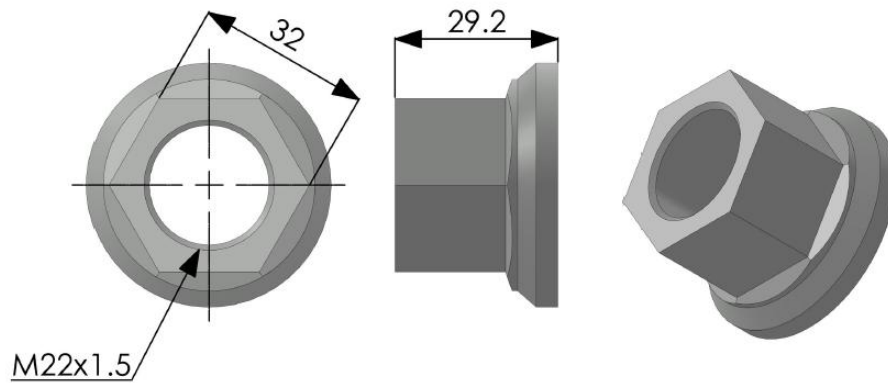
61300 – Lock Washer



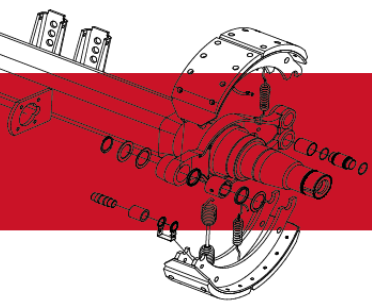
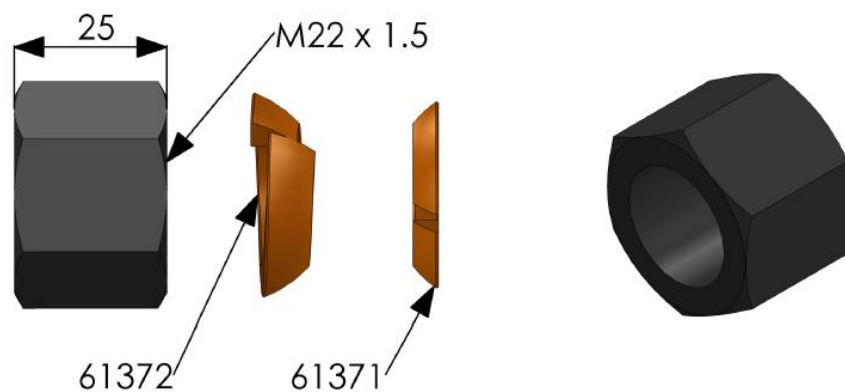
61290 – Adjusting Nut



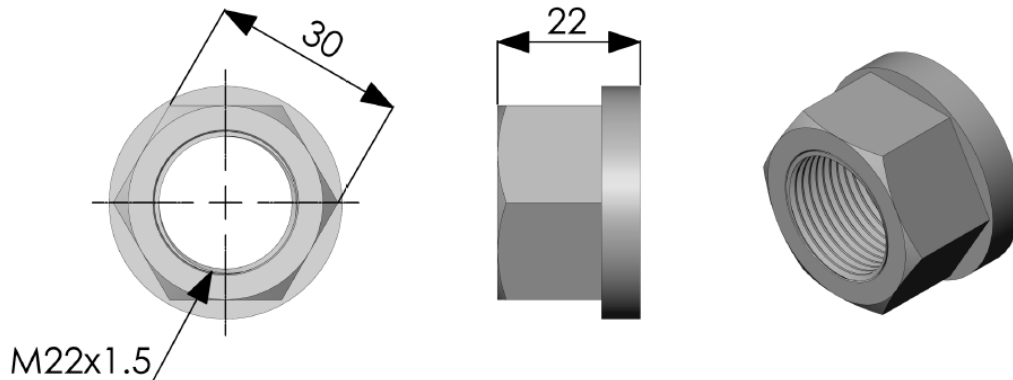
61381 – M22 ISO Wheel Nut



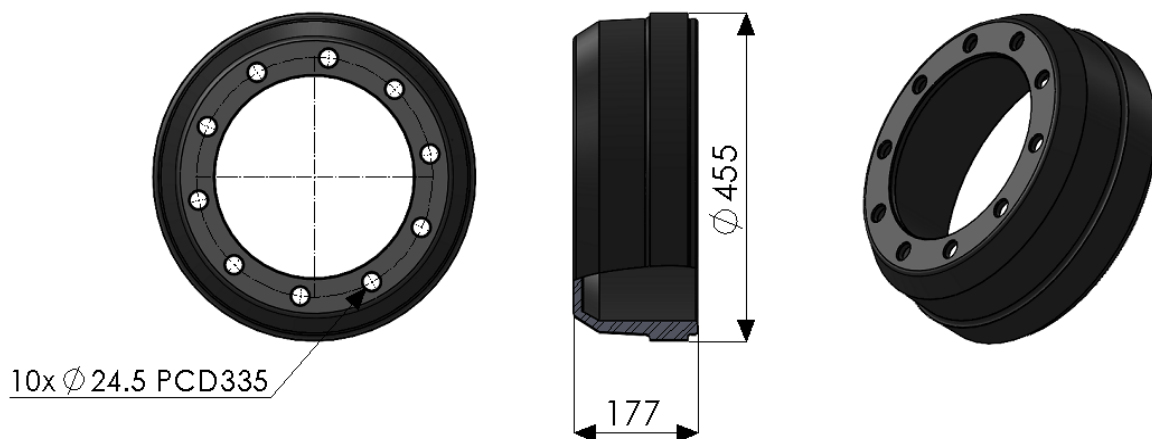
61383 – M22 DIN Wheel Nut + Washers (61372 & 61371)



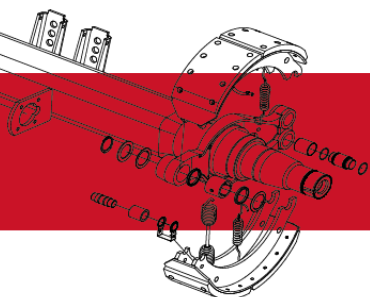
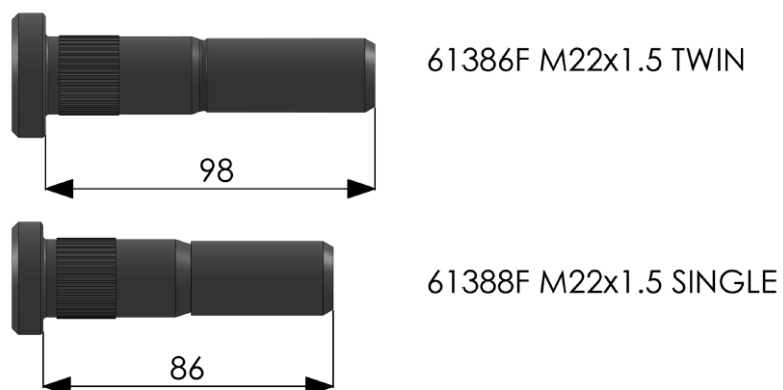
61411 – M22 DIN Wheel Nut



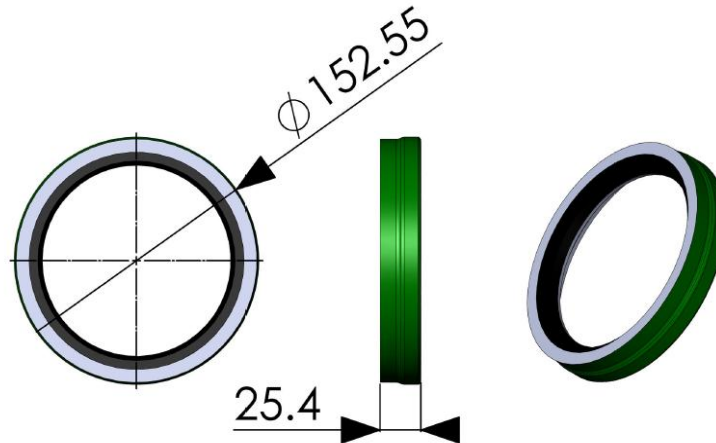
61550F – Brake Drum



Wheel Bolt

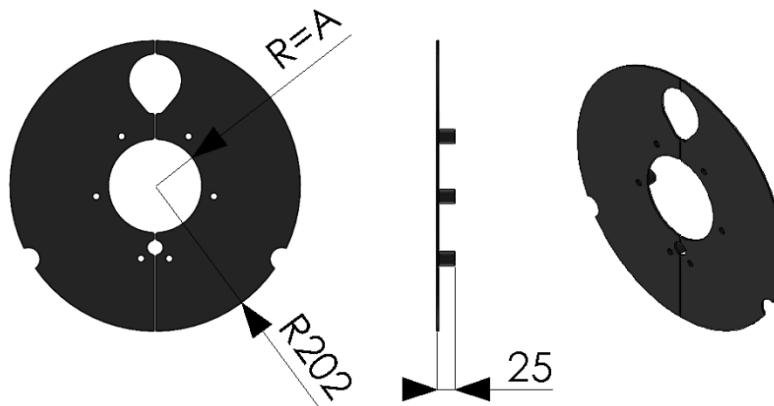


61282F – Unitised Grease Seal

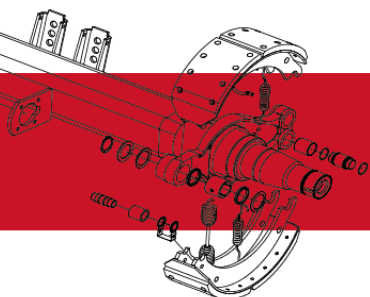
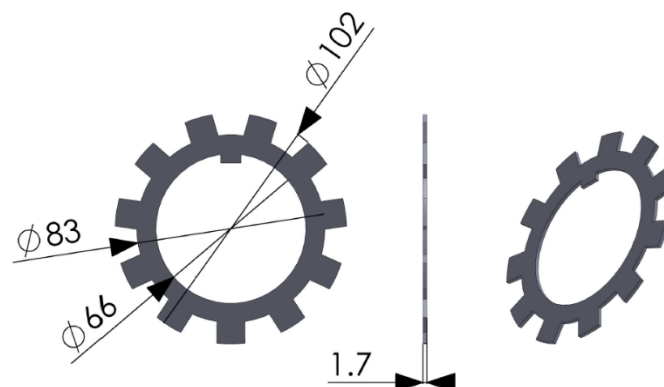


Dust Cover

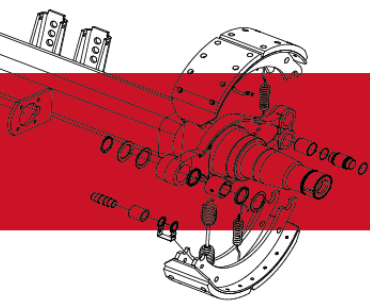
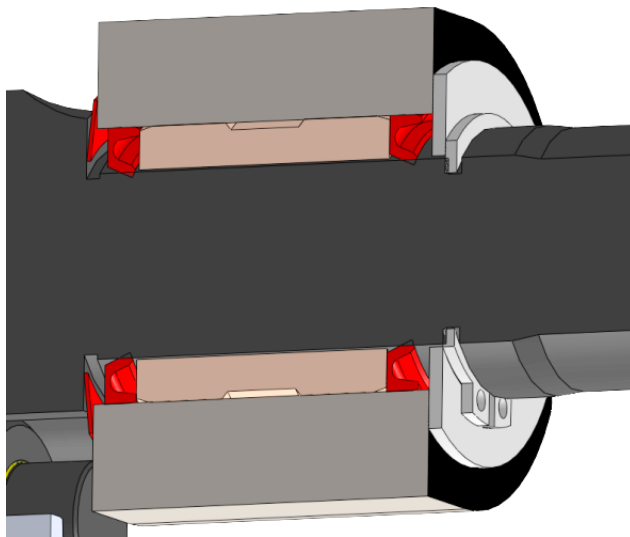
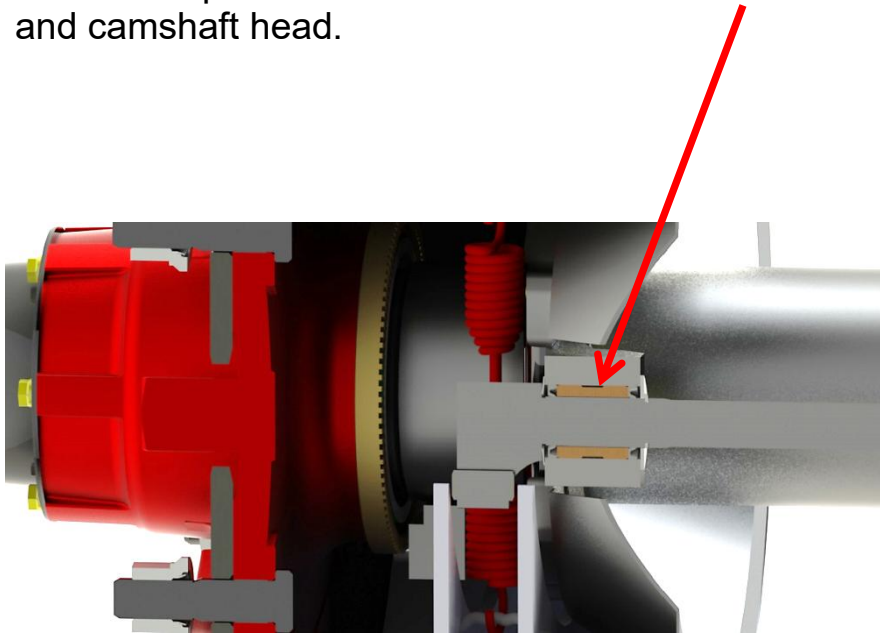
61399 A=65mm (Round Beam) 61396 A=62mm (Square Beam)



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.

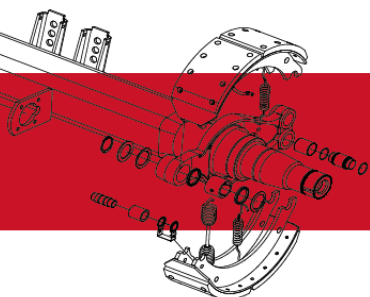


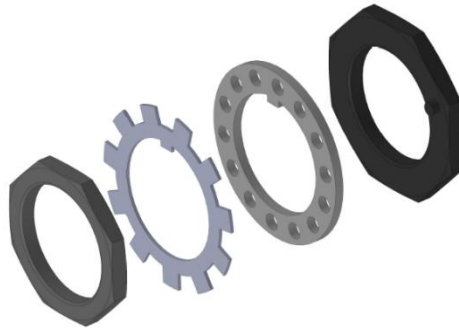
61287F – Single Wheel Stud Hub and Drum Assembly 61287FW – 61287 with 1 x 100 tooth pole wheel 61789

Part Number	Quantity	Description
61550F	1	Drum
61253F	1	Hub
61270F	1	Outer Bearing
61260F	1	Inner Bearing
61388F	10	Single wheel stud
61381Z	10	ISO wheel nut
61282F	1	Seal

61289F – Twin Wheel Stud Hub and Drum Assembly 61289FW – 61289 with 1 x 100 tooth pole wheel 61789

Part Number	Quantity	Description
61550F	1	Drum
61253F	1	Hub
61270F	1	Outer bearing
61260F	1	Inner bearing
61386F	10	Twin wheel stud
61381Z	10	ISO wheel nut
61282F	1	Seal





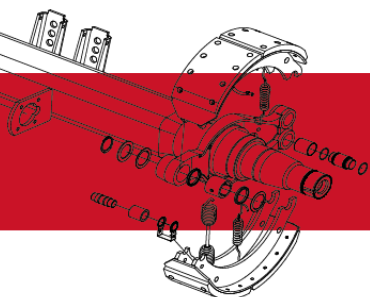
AK100 – Spindle Nut Kit

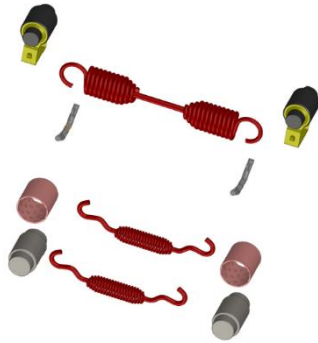
Part Number	Quantity	Description
61310	1	Locknut
61311	1	Tab Washer
61300	1	Lock Washer
61290	1	Adjusting Washer



AK102 – Hubcap Kit

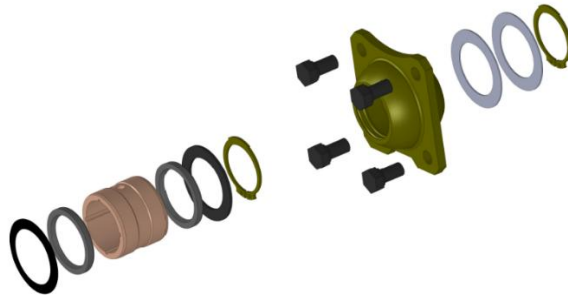
Part Number	Quantity	Description
61322F	1	Hubcap
61330F	1	Hubcap Gasket
96366F	12	M8 Serrated Washer
61358F	12	Screw M8x16 Fl. Head





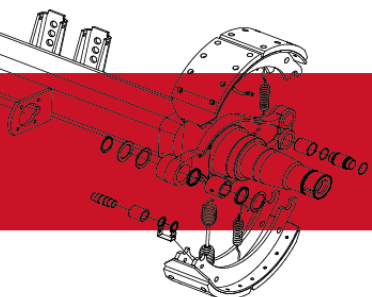
AK300 – Brake Shoe Kit (one side of axle)

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





AK401 – ABS Kit (one side of axle)

Part Number	Quantity	Description
61789	1	Pole Wheel (100 tooth)
61376F	1	Sensor Block
61786	1	90 Degree ABS Lead
61557	1	Dust Cover Grommet

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.

