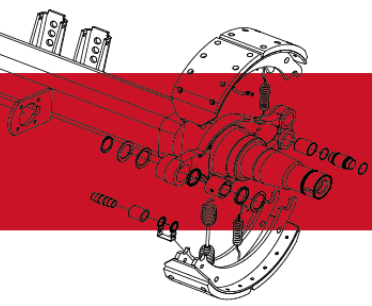


## Steer Axle Spare Parts

- **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**
- **Axle Brake Components**

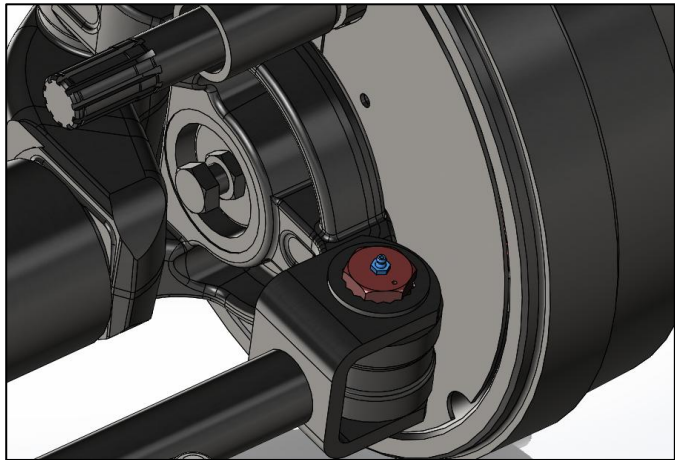
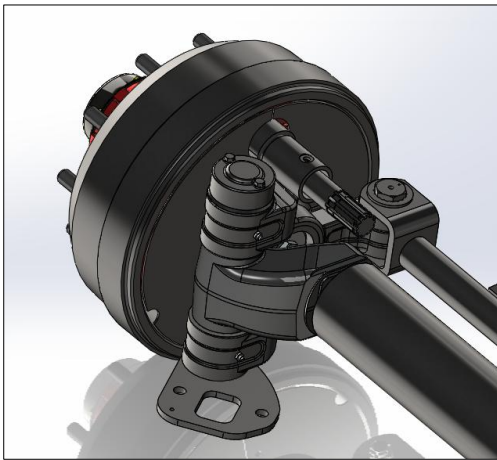


## STEER AXLE IDENTIFICATION

To identify a **860** 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.
- Grease nipple on the track rod bolt.

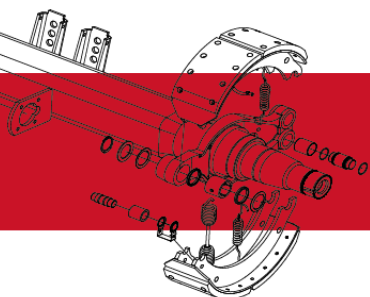


**860 Series** – Grease nipple shown in the track rod bolt

To identify a **980** steer axle:

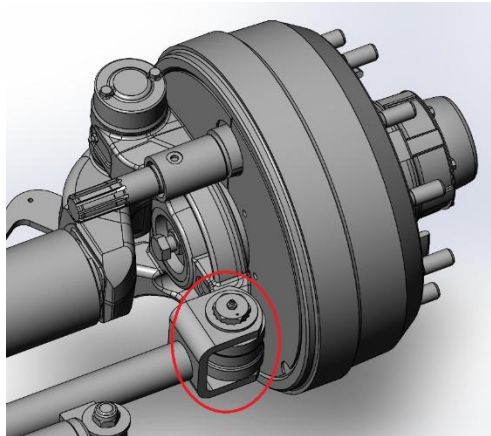
150mm square beam, 420x180 brake, 10 stud, 281 stud PCD

- The kingpin has 1 locating bolt in the front of the knuckle casting.
- The ACB is mounted to the kingpin



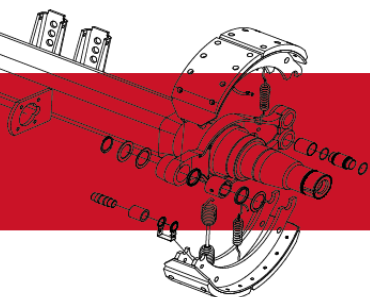
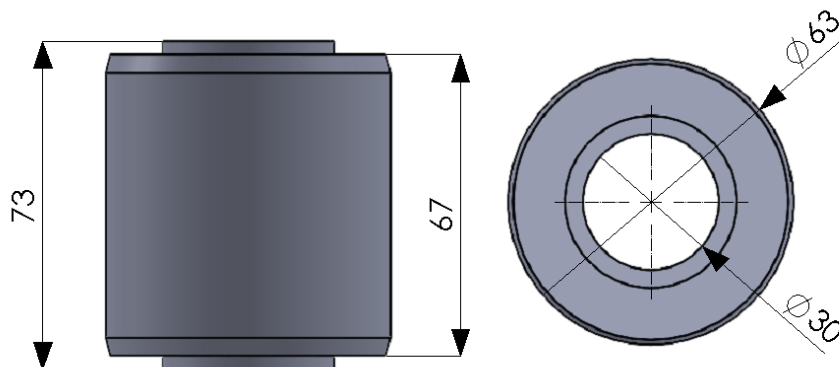
## 860 Steer Axle Parts

### Track Rod Bush Kits

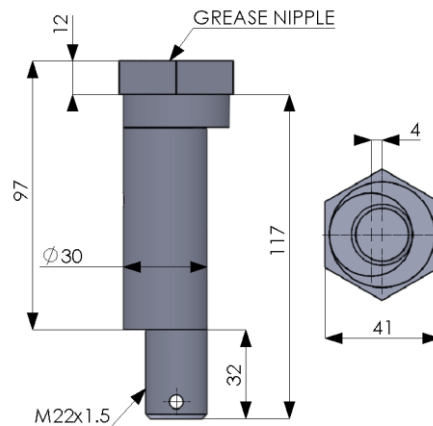


| Part No. | Description                       | QTY per Steer Axle |
|----------|-----------------------------------|--------------------|
| 37151    | Track Rod Concentric Bush         | 2                  |
| 37152    | Track Rod Bush Bolt M22x116x1.5   | 2                  |
| 37153    | Track Rod Bush Castle Nut M22x1.5 | 2                  |
| 37154    | Track Rod Bush Cotter Pin         | 2                  |

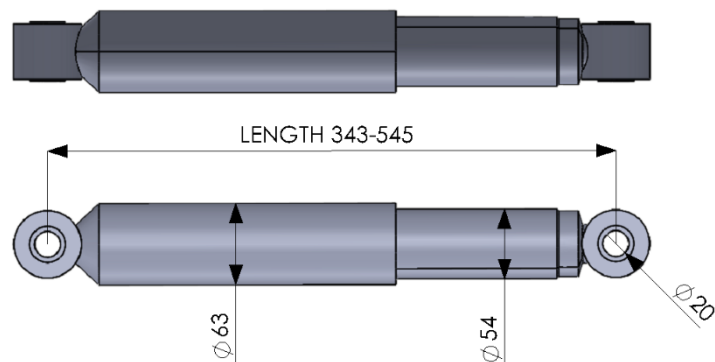
### 37151– Concentric Track Rod Bush



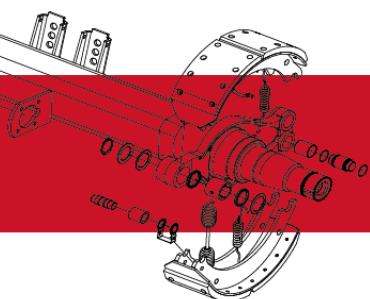
### 37152– Eccentric Track Rod Bolt



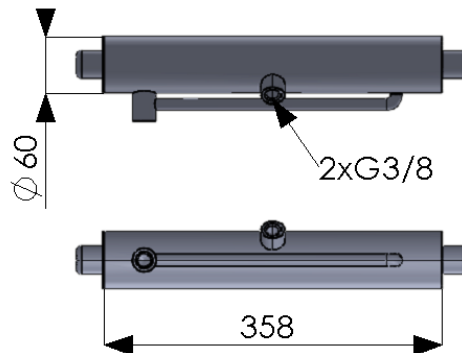
### Shock Absorber Parts



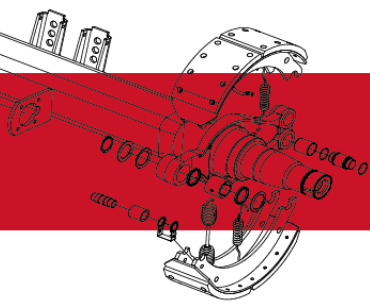
| Part No. | Description                     | QTY per Steer Axle |
|----------|---------------------------------|--------------------|
| 37050    | Shock Absorber                  | 2                  |
| 37100    | Shock Absorber Bolt M20x90      | 4                  |
| 37101    | Shock Absorber Washer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



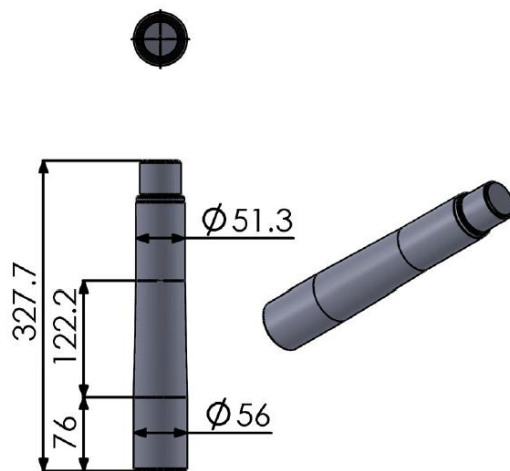
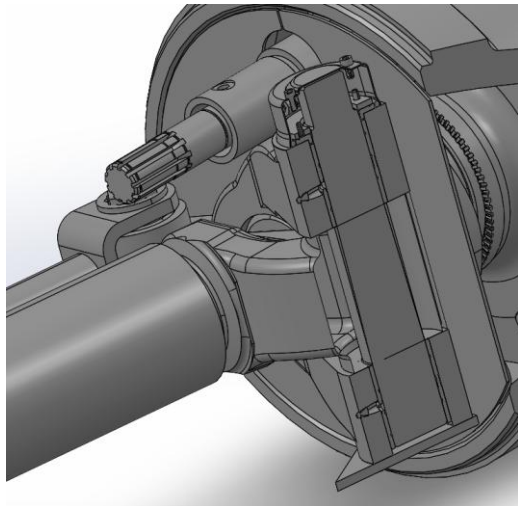
## Hydraulic Ram Parts



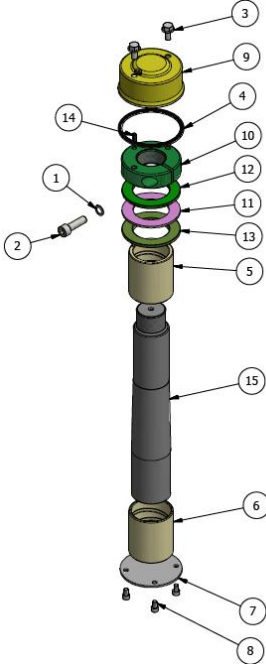
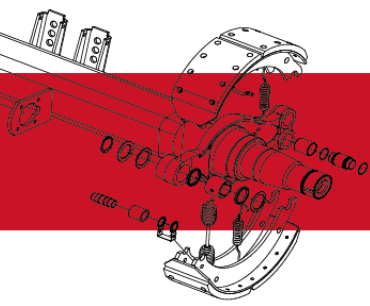
| Part No.     | Description                                          | QTY per Steer Axle |
|--------------|------------------------------------------------------|--------------------|
| 37104        | Hydraulic Ram (Self Steer)                           | 1                  |
| 37107        | Hydraulic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



## Kingpin Parts

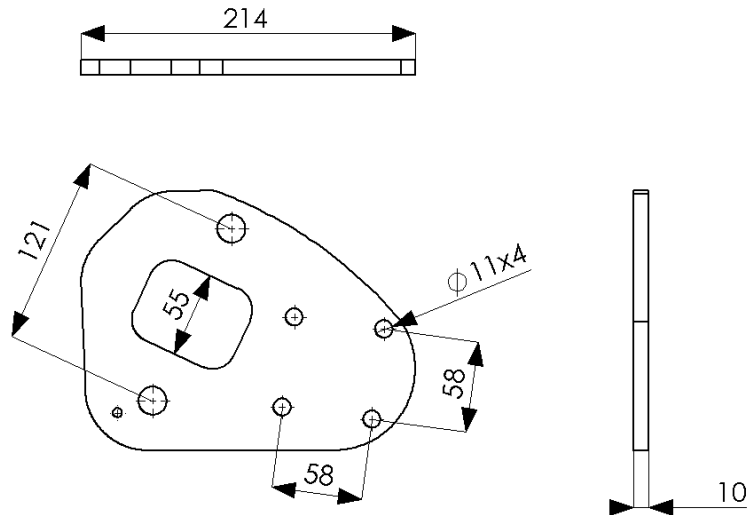


| Item No. | Part No.     | Description                                    | QTY per Steer Axle |
|----------|--------------|------------------------------------------------|--------------------|
| 1        | 72021        | Kingpin Pinch Bolt Washer M10                  | 2                  |
| 2        | 37138        | Kingpin Pinch Bolt M10x40                      | 2                  |
| 3        | 37140        | Kingpin Cap Bolt M8x16                         | 4                  |
| 4        | 37133        | Kingpin O-Ring                                 | 2                  |
| 5        | 37159        | Kingpin Bush Small – Nylon                     | 2                  |
| 6        | 37160        | Kingpin Bush Large – Nylon                     | 2                  |
| 7        | -            | Kingpin Bottom Cap/ACB                         | 2                  |
| 8        | 37141        | Kingpin Bottom Cap Bolt M8x20                  | 12                 |
| 9        | 37149        | Kingpin Cap                                    | 2                  |
| 10       | 37148        | Kingpin Clamp Ring                             | 2                  |
| 11       | 37145        | Seal Washer                                    | 2                  |
| 12       | 37146        | Lock Washer                                    | 2                  |
| 13       | N/A          | -----                                          | -                  |
| 14       | 37147        | Lock Washer Pin                                | 2                  |
| 15       | 37143        | Kingpin                                        | 2                  |
|          | <b>SK151</b> | <b>Kingpin Kit (Includes all of the above)</b> | <b>1</b>           |

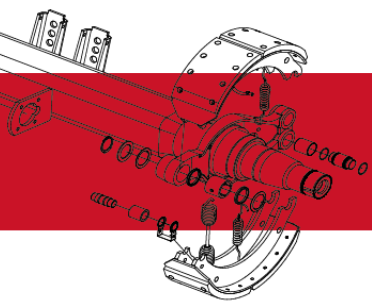
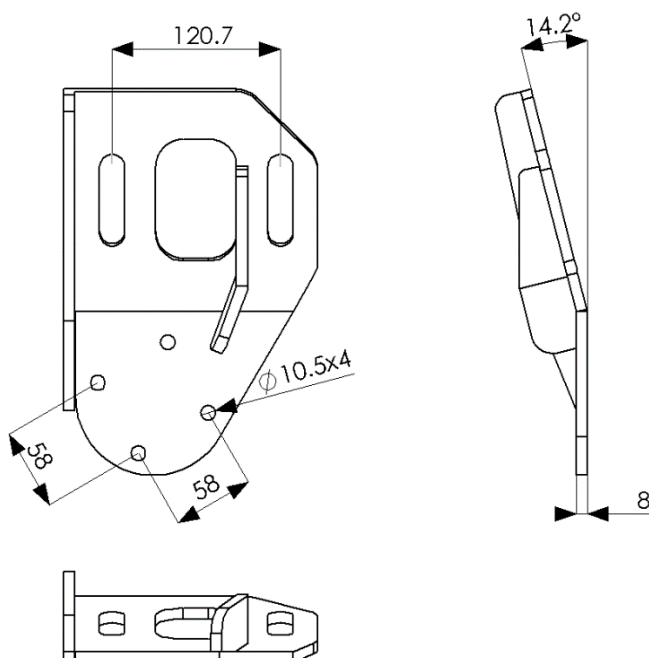



## ACB

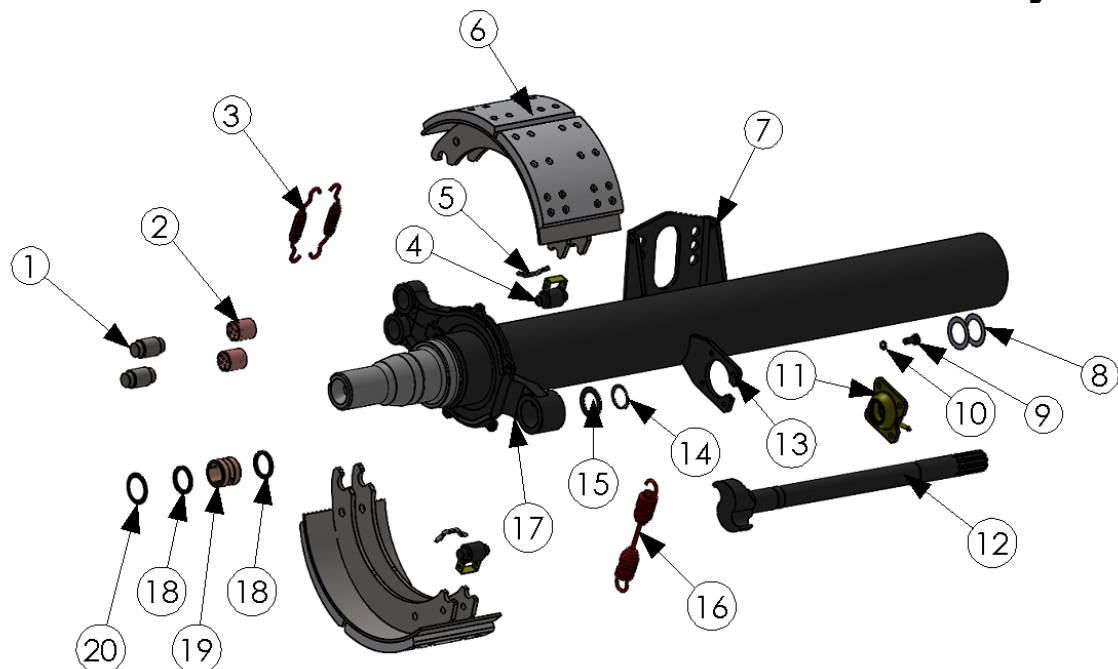
### 15308 860 Series ACB bottom 250mm camshaft



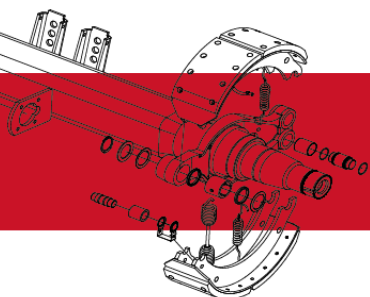
### 37087 Left shown below (37088 right) 860 Series ACB bottom



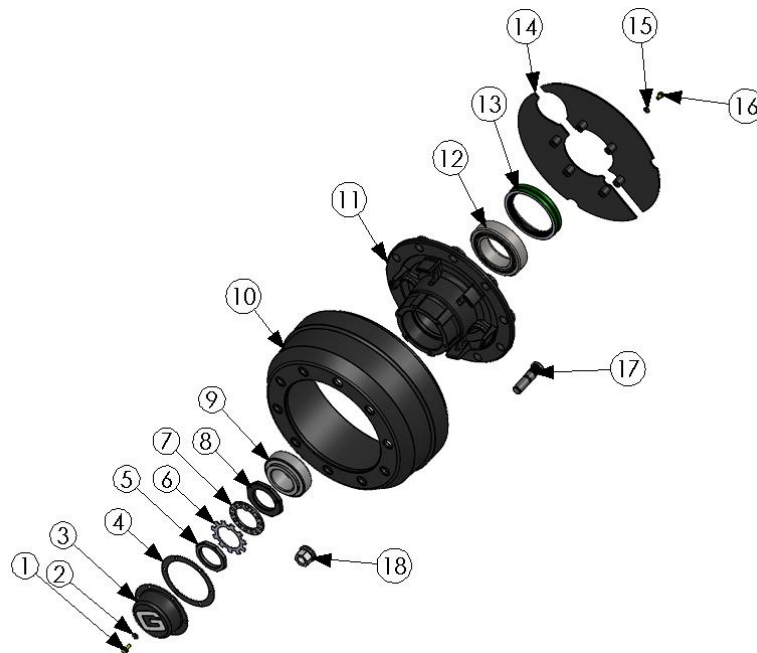
## 406 x 120 – 860 Series Quick Fit Brake Assembly



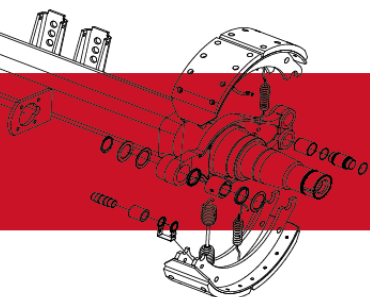
| Item | Description                              | Part No. | QTY per Axle | Kit Name |
|------|------------------------------------------|----------|--------------|----------|
| 1    | Anchor Pin                               | 61171    | 4            | AK300    |
| 2    | Bush Anchor Pin                          | 61200B   | 4            | AK300    |
| 3    | Brake Shoe Retaining Spring              | 61141    | 4            | AK300    |
|      | <b>Brake Shoe Assembly</b>               | 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    |



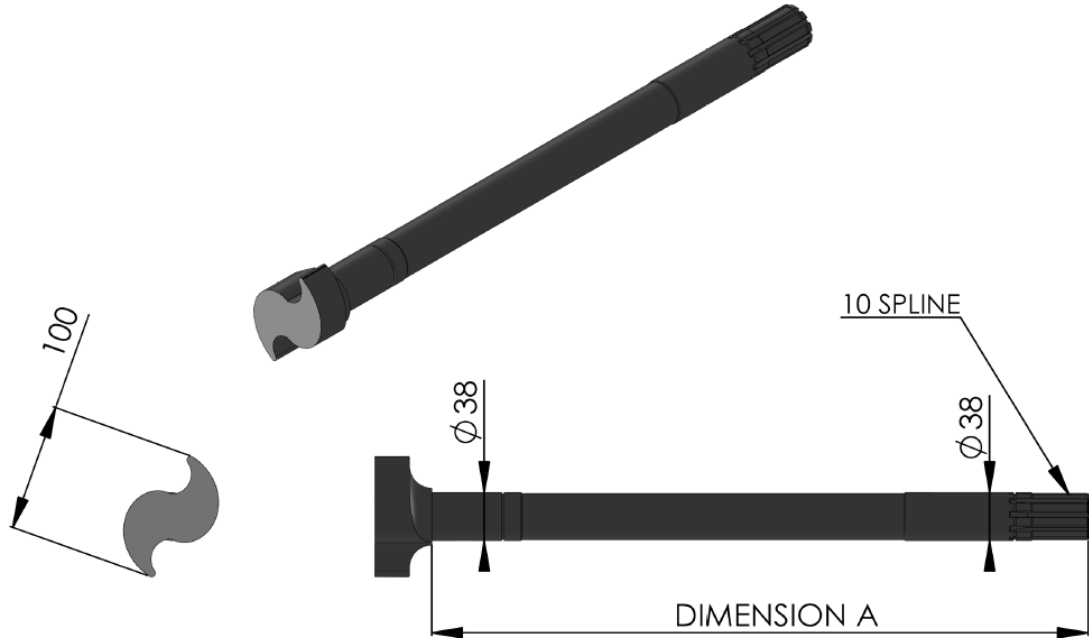
## 406 X 120 – 860 Series Hub/Drum Assembly



| 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           |          |



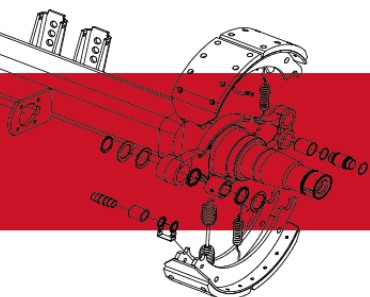
## 406 x 120 – 860 Series Camshaft Parts List



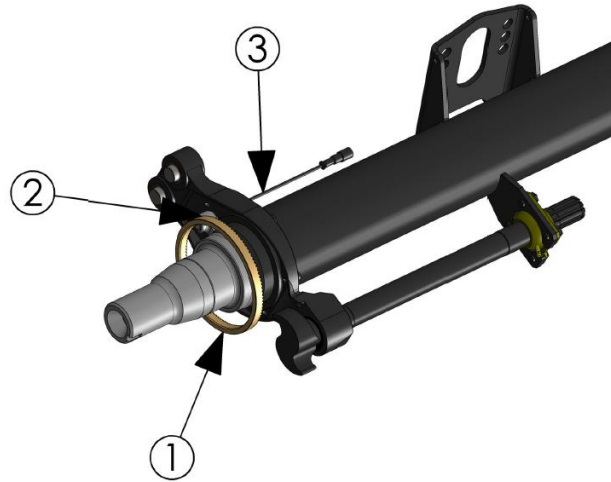
| Item | Description (DIM A)           | Part No. |
|------|-------------------------------|----------|
| 1    | Left Hand Large Head (189mm)  | 61127    |
| 2    | Right Hand Large Head (189mm) | 61147    |
| 3    | Left Hand Large Head (212mm)  | 61061    |
| 4    | Right Hand Large Head (212mm) | 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.

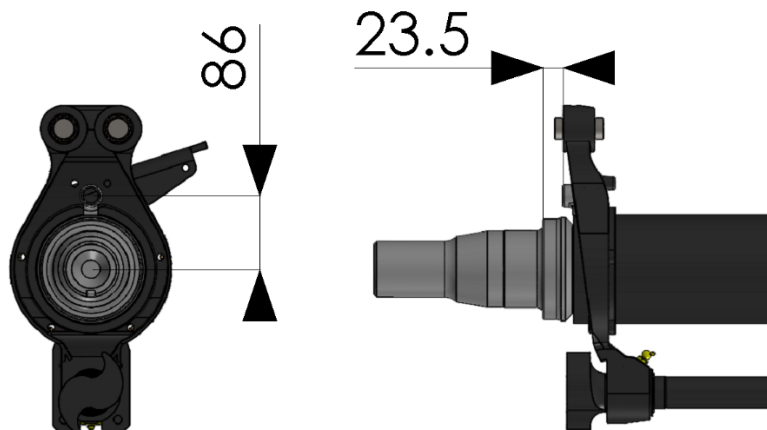
The illustrated camshaft is a right-hand camshaft. When looking at the head of the camshaft a right-hand cam is Z shaped and a left hand is S shaped



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



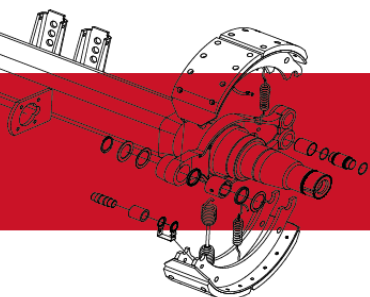
| Item | Description              | Part No. |
|------|--------------------------|----------|
| 1    | Pole Wheel               | 61789    |
| 2    | ABS Sensor Block         | 61781    |
| 3    | ABS Sensor Bush          | 61792    |
| 4    | Straight ABS Sensor Lead | 61791    |



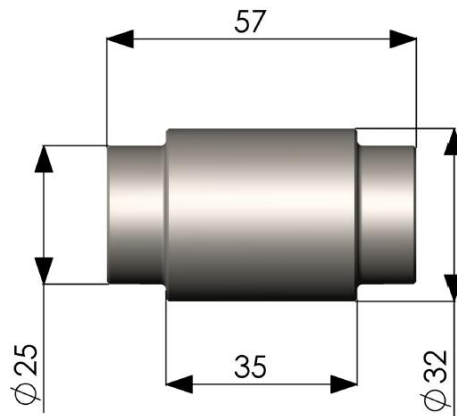
Pole wheel at 172mm PCD

Face of sensor block 23.5mm from large bearing shoulder

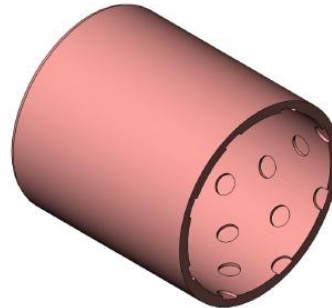
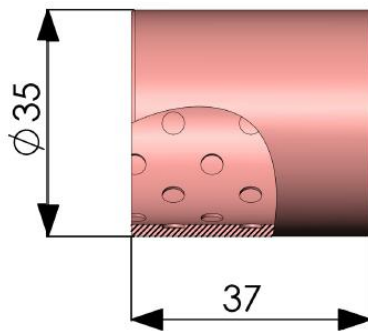
Weld on ABS block is 180 degrees to camshaft and is in line with hole in anchor bracket.



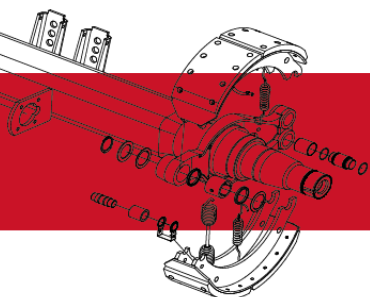
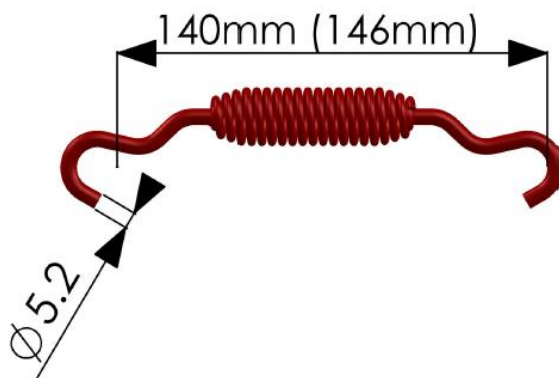
**61171 – Anchor pin**



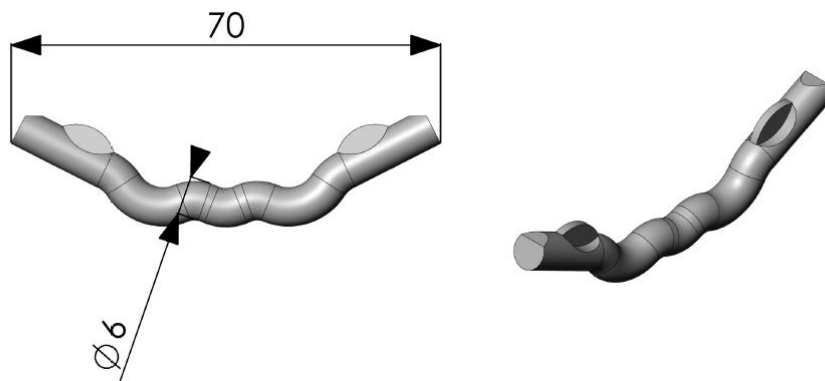
**61200B – Bush Anchor Pin**



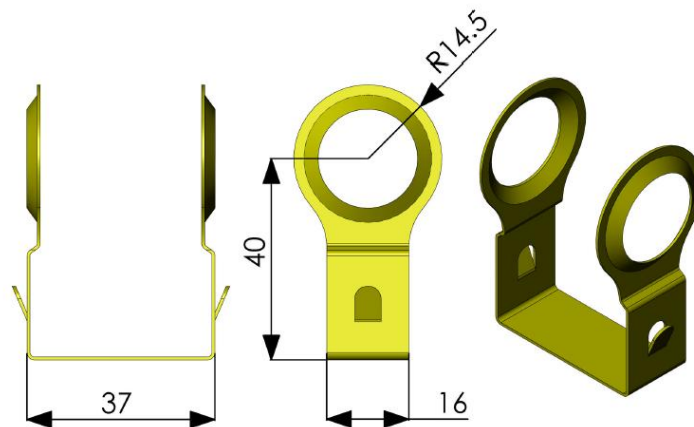
**61141 – Brake Shoe Retaining Spring**



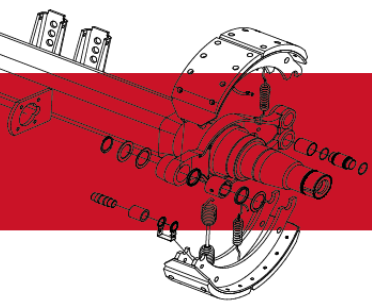
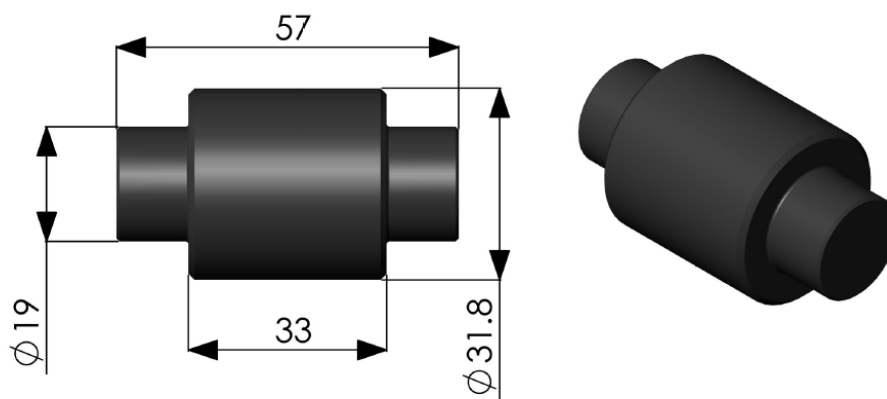
### 61150 – Spring Anchor Bar



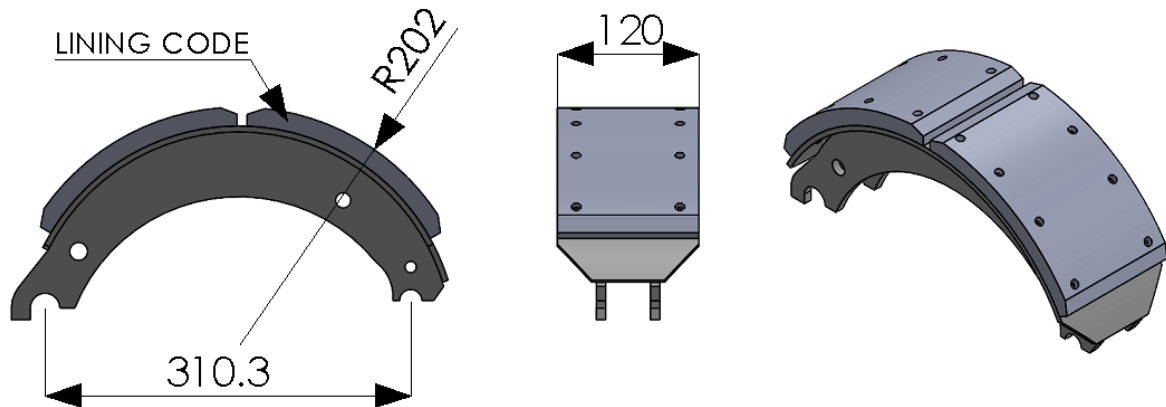
### 61220 – Retainer Cam Roller



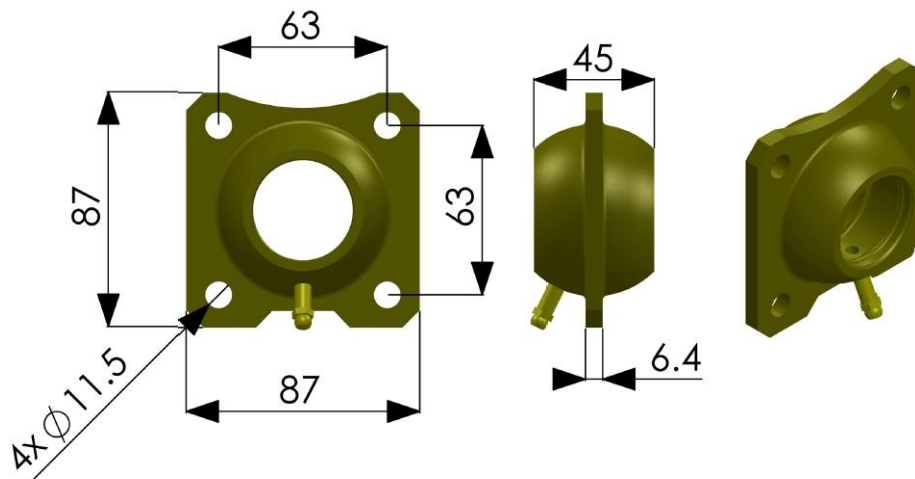
### 61235 – One Piece Cam Roller



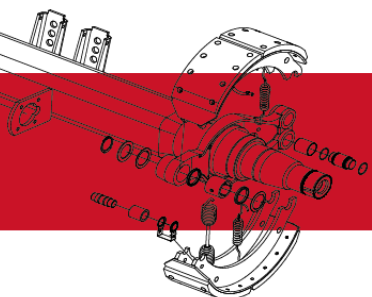
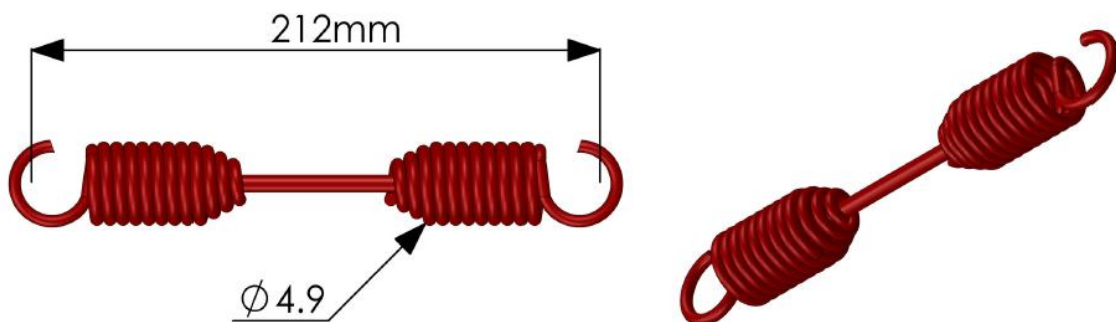
## 61159FA – Brake shoe with spring anchor bar and cam roller (FWE11)



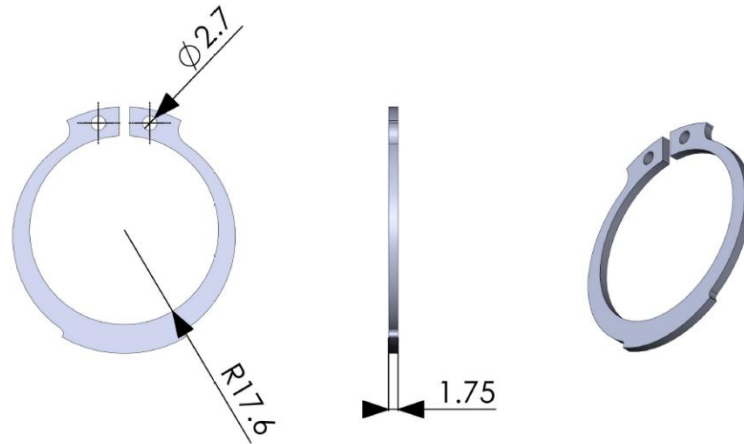
## 61080F – Camshaft Spherical Bearing



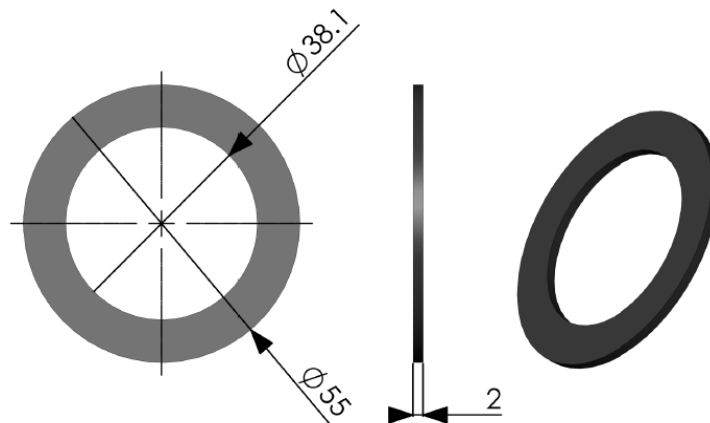
## 61140 – Spring Return



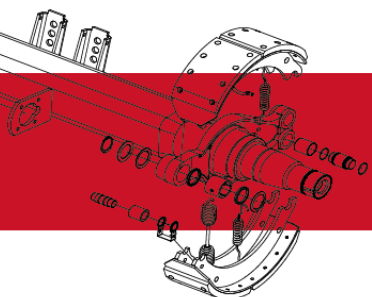
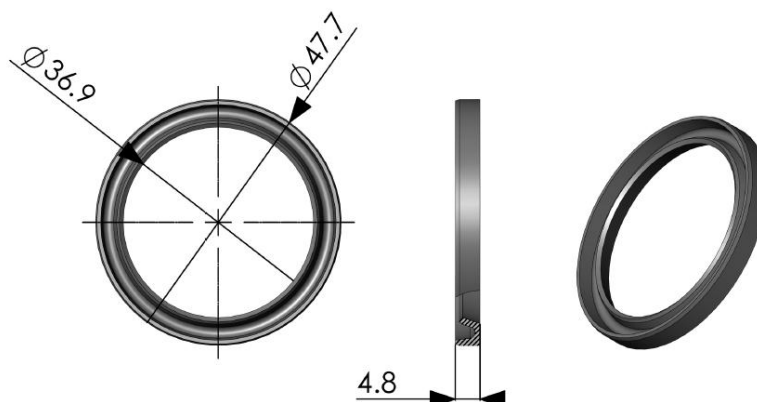
### 61120 – Circlip



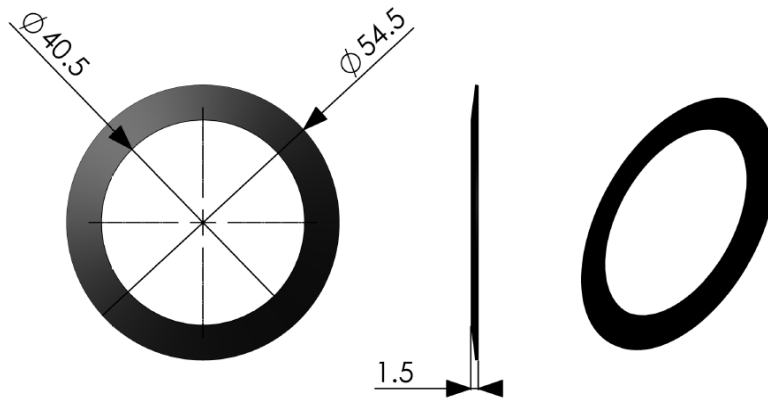
### 61058 – Camshaft Support Washer



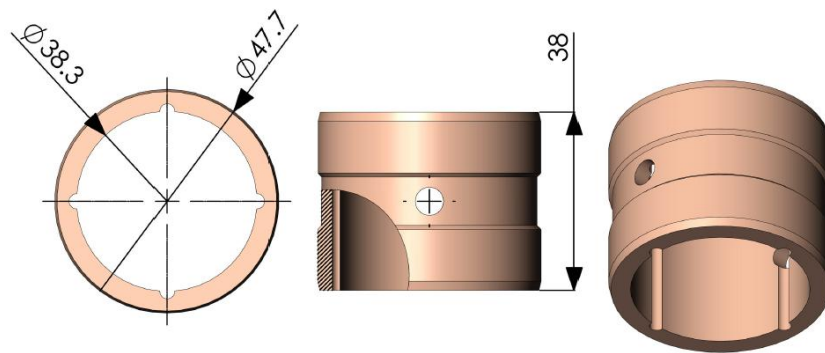
### 61056 – Camshaft Grease Seal



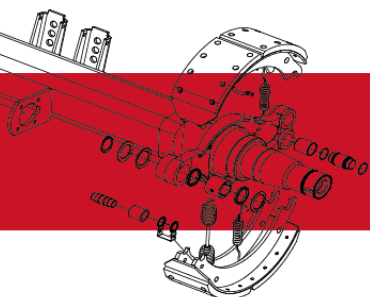
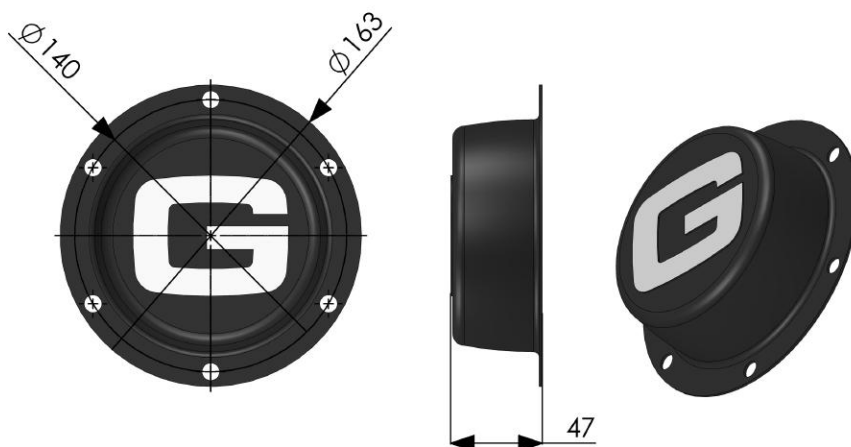
### 61057 – Camshaft Beveled Washer



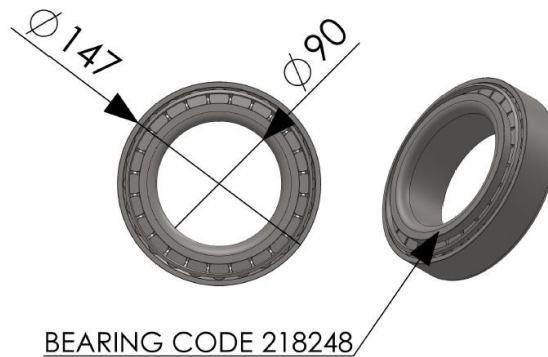
### 61055 – Camshaft Sintered Bush



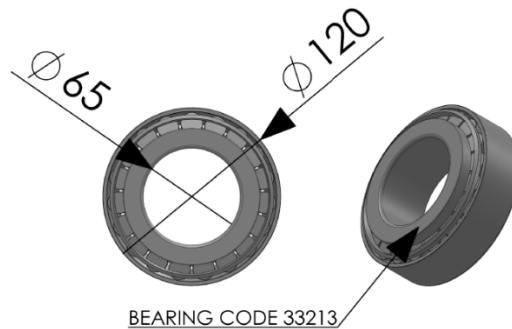
### 61322 – G Hub Cap Pressing



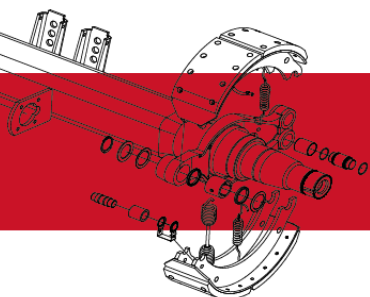
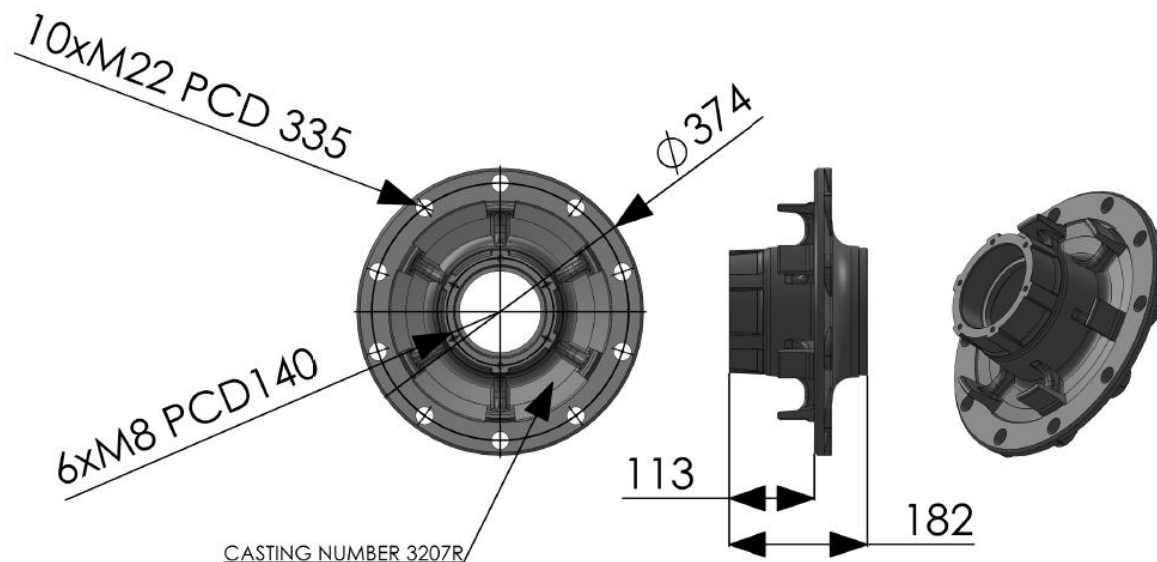
### 61260F – Inner bearing and cone



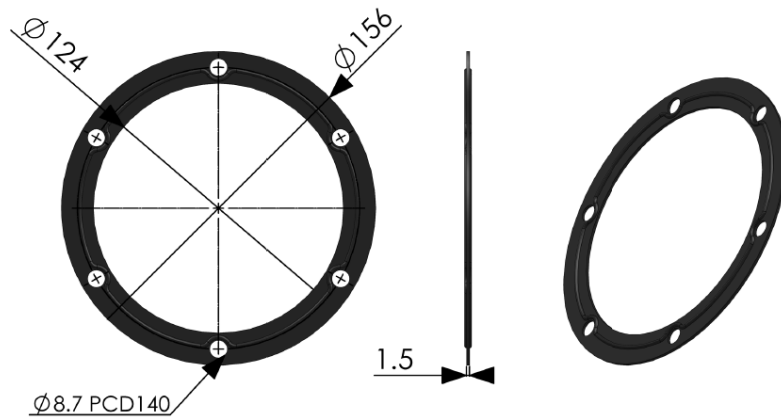
### 61270F – Outer bearing and cone



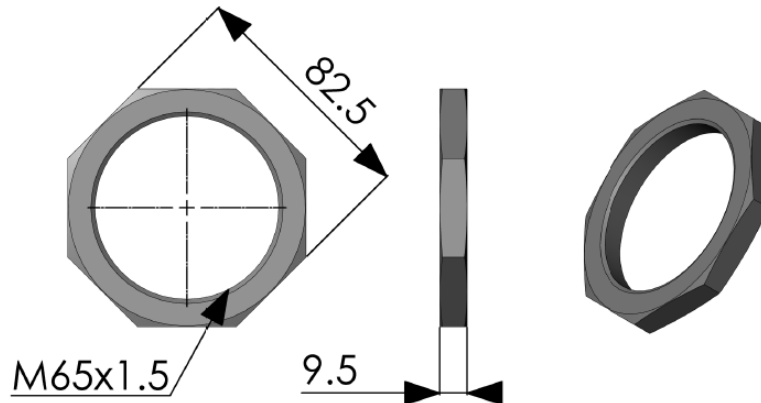
### 61253F – Hub



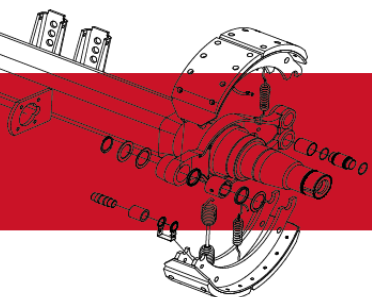
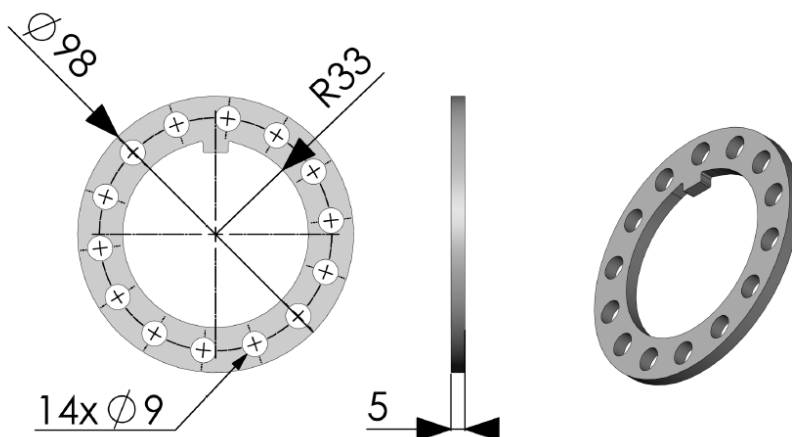
### 61330F – Gasket



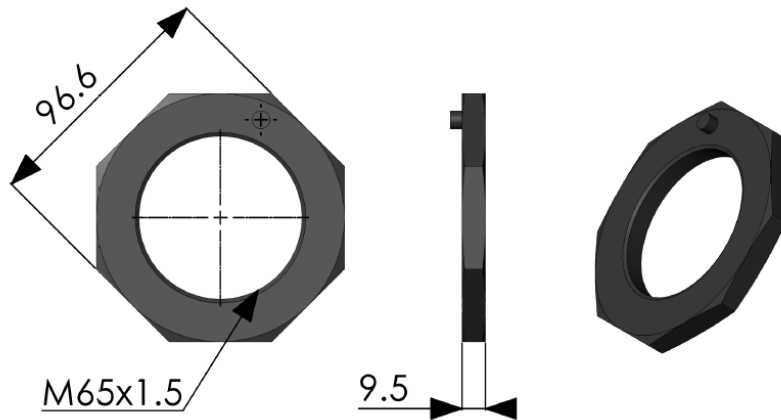
### 61310 – Locknut



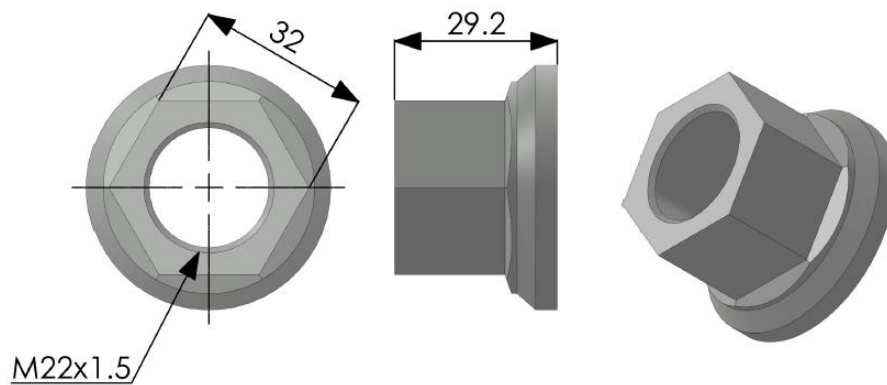
### 61300 – Lock Washer



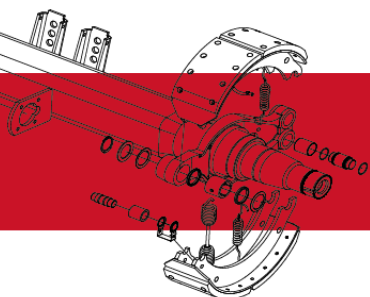
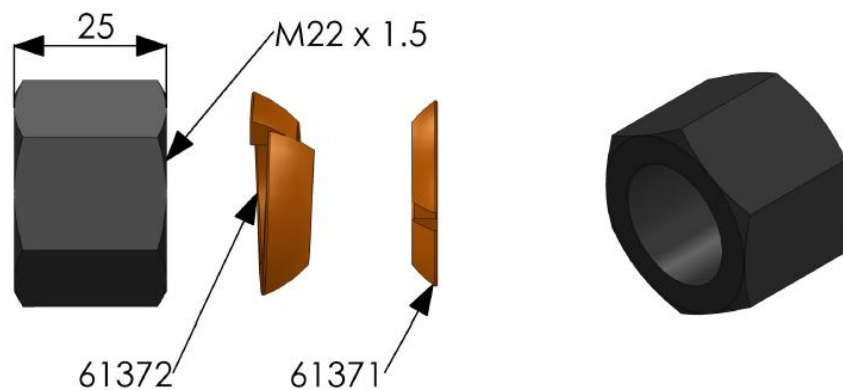
### 61290 – Adjusting Nut



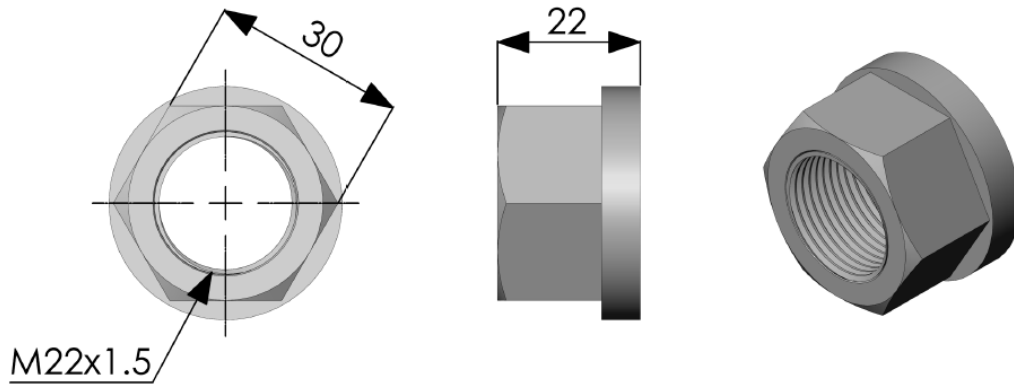
### 61381 – M22 ISO Wheel Nut



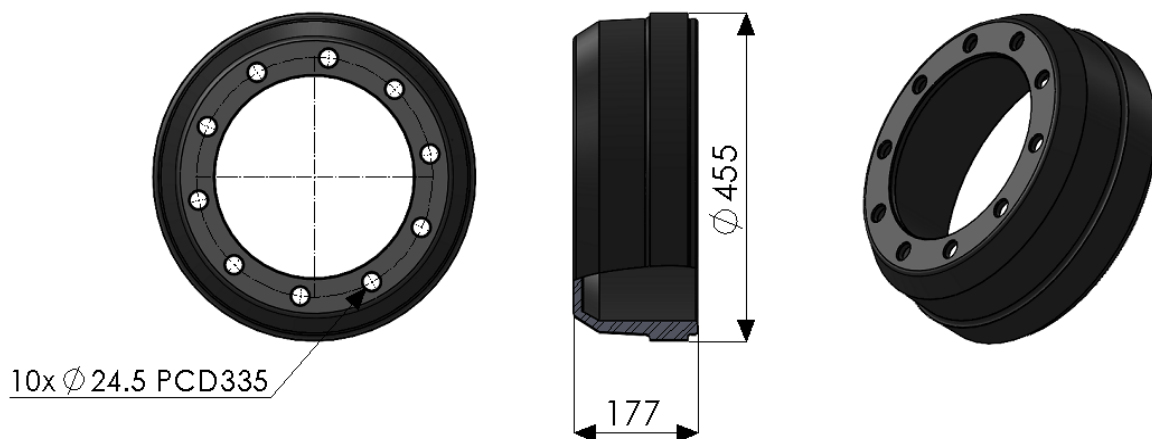
### 61383 – M22 DIN Wheel Nut + Washers (61372 & 61371)



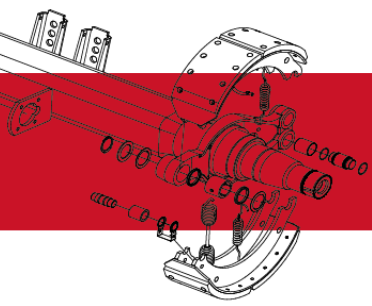
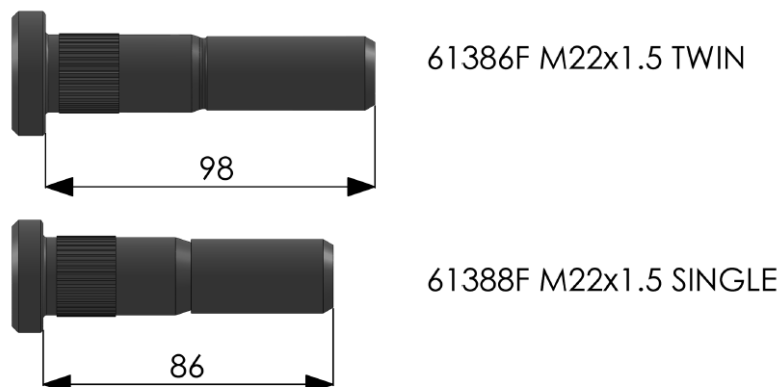
### 61411 – M22 DIN Wheel Nut



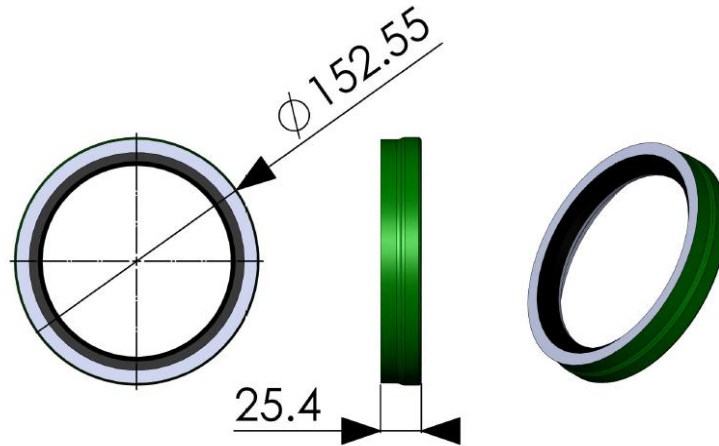
### 61550F – Brake Drum



### Wheel Bolt

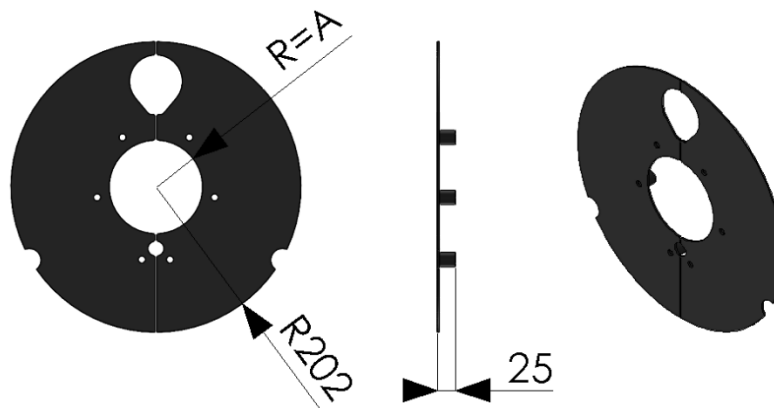


### 61282F – Unitised Grease Seal

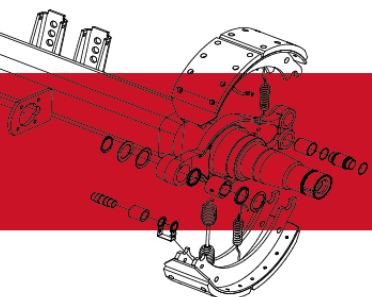
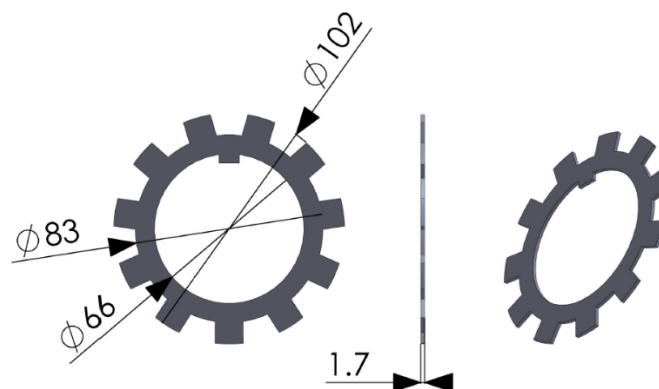


### Dust Cover

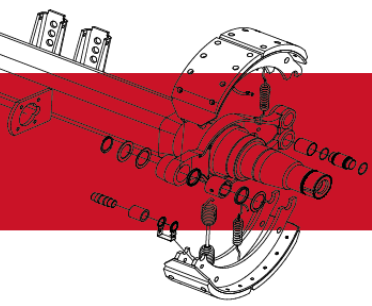
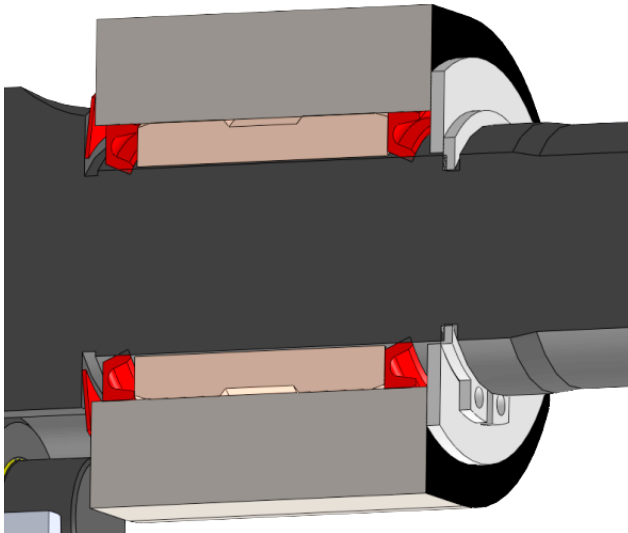
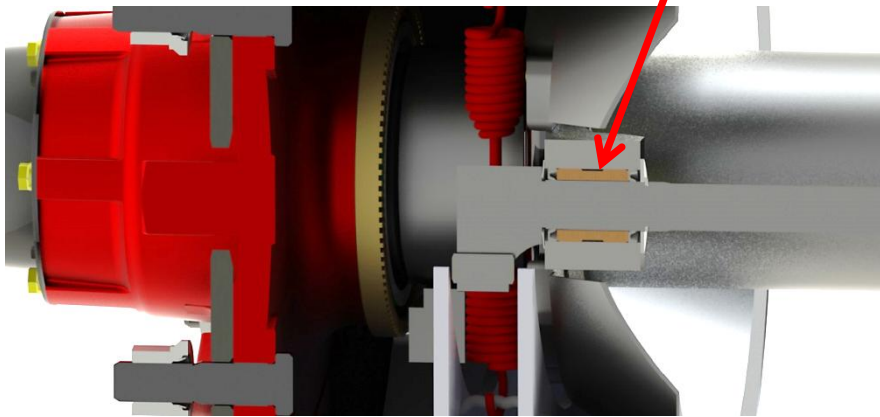
61399 A=65mm (Round Beam)    61396 A=62mm (Square Beam)



### 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.

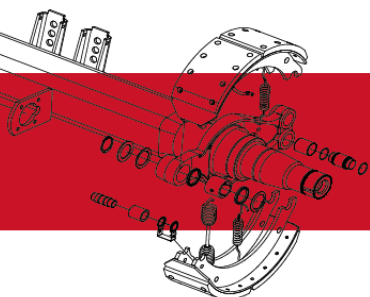


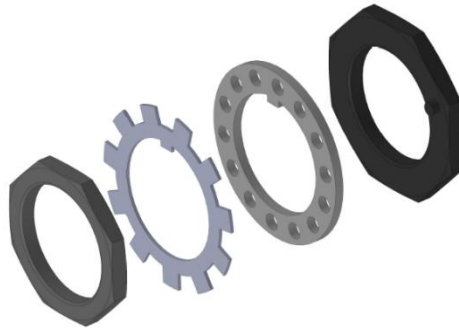
**61287F – Single Wheel Stud Hub and Drum Assembly**  
**61287FW – 61287 with 1 x 100 tooth pole wheel 61789**

| 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            |





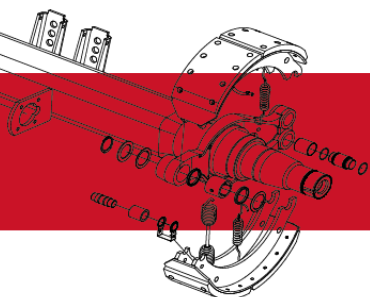
### AK100 – Spindle Nut Kit

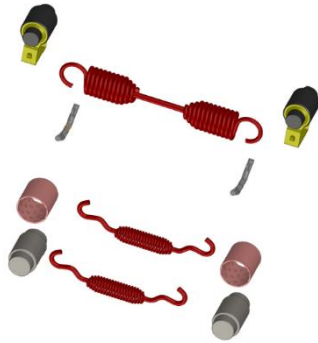
| Part Number | Quantity | Description      |
|-------------|----------|------------------|
| 61310       | 1        | Locknut          |
| 61311       | 1        | Tab Washer       |
| 61300       | 1        | Lock Washer      |
| 61290       | 1        | Adjusting Washer |



### AK102 – Hubcap Kit

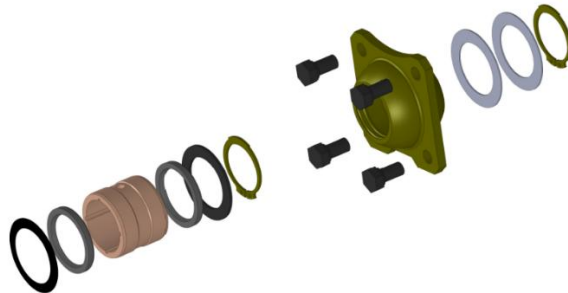
| Part Number | Quantity | Description          |
|-------------|----------|----------------------|
| 61322F      | 1        | Hubcap               |
| 61330F      | 1        | Hubcap Gasket        |
| 96366F      | 12       | M8 Serrated Washer   |
| 61358F      | 12       | Screw M8x16 Fl. Head |





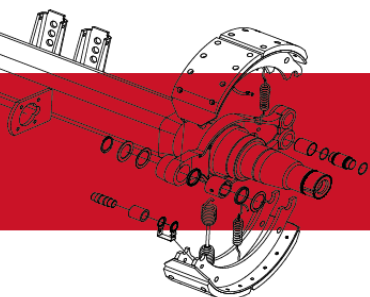
#### AK300 – Brake Shoe Kit (one side of axle)

| 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.

