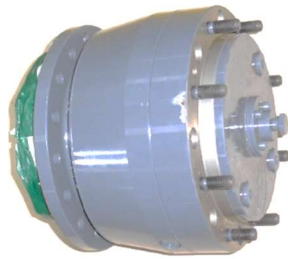




Crendon Nominees Pty Ltd A/T/F
the Fry Family Trust T/A: Crendon Machinery
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Manufacturers and Designers of Horticultural and Viticultural Equipment
* SQUIRREL self propelled elevating platforms * SADIE vineyard & orchard sweepers * NETWIZZ netting retriever

SQUIRREL Parts Catalogue # 3 Planetary Wheel Drive Parts



SQUIRREL Parts Catalogue # 3	Page
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<i>Planetary Wheel Hubs - <u>Renold (Oildrive)</u></i>	9
<i>Planetary Wheel Hubs - <u>Danfoss (Reggiana)</u></i>	10

Planetary Wheel Hubs
CRENDON IF 20

(8:1 - extremely heavy duty, 35mm wide planetary cogs, double brake piston seals, soft brake springs, big taper bearings, designed by Crendon)

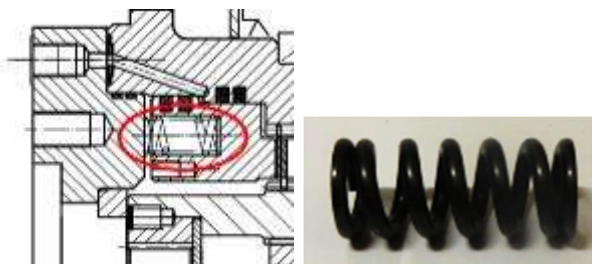
Planetary Wheel Hubs

This hub is interchangeable with all of Danfoss & Ever Power hubs.



Wheel hub planetary drive 8:1, free / wheeling, with brakes, very high radial load, 3,000 Nm max output torque (from 10-2020) – **IF20T003T1B008A** (This is what we are using now) \$1,860.27 + GST

Wheel hub planetary drive 8:1, free / wheeling, no brakes, very high radial load, 3,000 Nm max output torque (from 10-2020) – **IF20T003T1008A** (This is what we are using 2 off on 2 off Bogey drive now) \$1,766.10 + GST

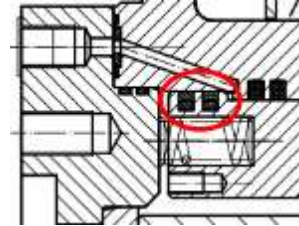


Brake Spring std (CM hub) 13.5 od x 2.5mm x 31mm
reference #39 – **IF20-BSS**

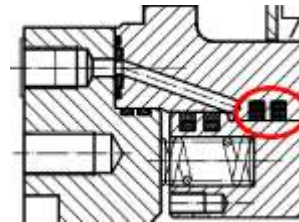


Brake release port O-ring set (outer #112) (inner #108)
reference #9, 43 – **IF20-BRPORS**

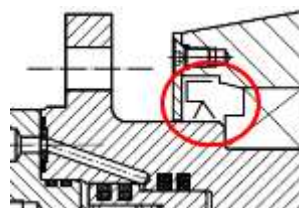
Planetary Wheel Hubs
CRENDON IF 20



Brake Piston Plunger seal, 2x bronze filled PTFE & 2 x O-ring, a set to replace both reference #37 – **IF20-BPPSBF**
\$74.39 + GST



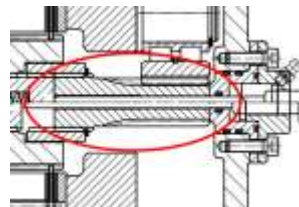
Brake piston housing seal, 2off bronze filled PTFE & 2x O-ring, a set to replace both, reference #40 – **IF20-BPHSBF**
74.39 + GST



Main rotating double lip seal reference #27 – **IF20-MRDLS**

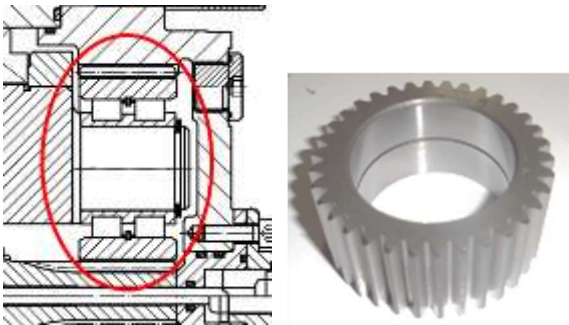


Main housing tapered roller bearing, 1 off *Timken USA* #T630349/10, 192.2 OD x 152.5 ID x 26.5 wide, 2 required
reference #24 – **IF20-MHTRB** \$178.92 + GST

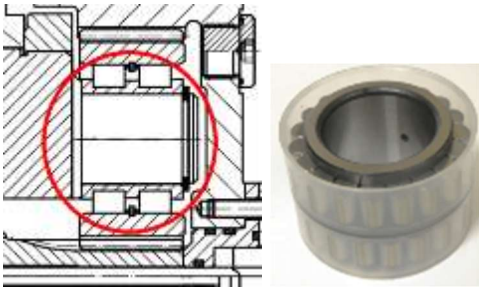


Centre sun gear drive shaft 9 teeth 25.7 od 80 long
reference #16 – **IF20-CSGDS9T**

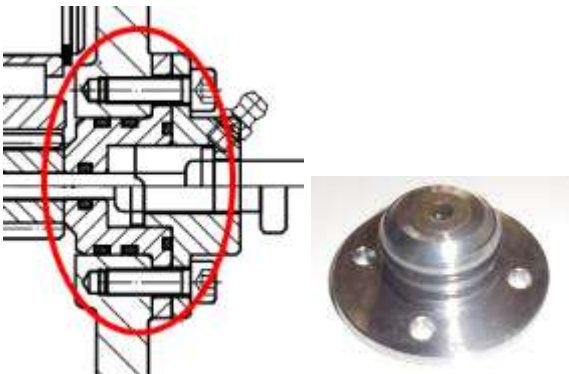
**Planetary Wheel Hubs
CRENDON IF 20**



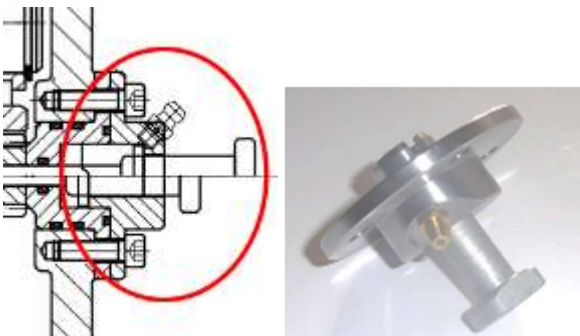
Planetary gear cog (34 tooth, OD 73mm, 35 wide)
reference #30 - **IF20-PGC34T**



Needle roller assembly for planetary gear cog
RSL185006 29.5 id x 35.3 wide
reference #29 - **IF20-NRAFPGC**

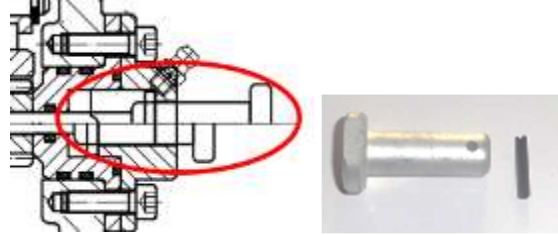


Freewheeling plunger inner housing with O-rings
reference # 9, 8, 7, 6 - **IF20-FWPIHWOR**
\$138.23 + GST

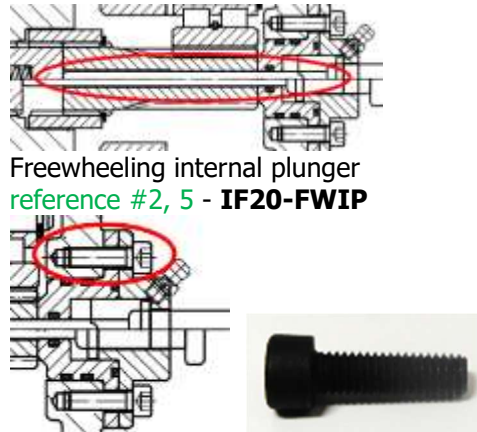


Freewheeling plunger outer housing with push knob
reference # 1,2,3,4,5 - **IF20-FWPOHWPK**
\$92.81 + GST

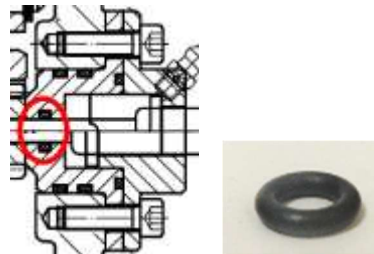
**Planetary Wheel Hubs
CRENDON IF 20**



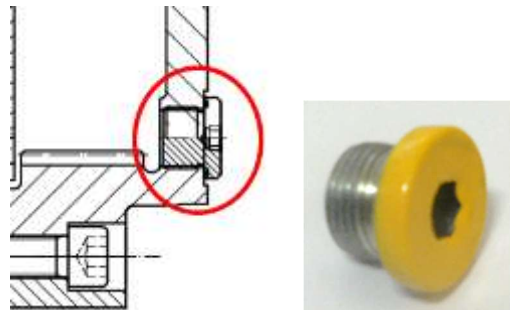
Freewheeling push knob with rolled pin
reference #40 - **IF20-FWPKWNRP**



Socket head cap screw for freewheeling plunger assembly
Ø6 x 20 long reference #1 - **IF20-SHCSFFWPA6X20**

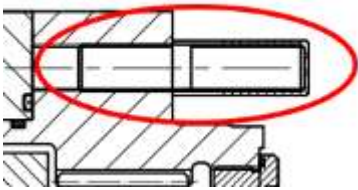


Freewheeling internal plunger O-ring 5.5 id x 2.5 cross section (#108) reference #9 - **IF20-FWIPOR** \$5.97 + GST

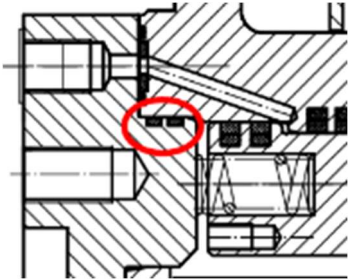


Oil drain plug reference #10 - **IF20-ODP**

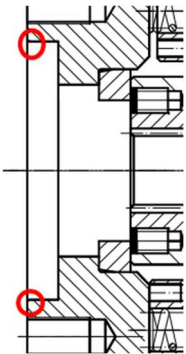
**Planetary Wheel Hubs
CRENDON IF 20**



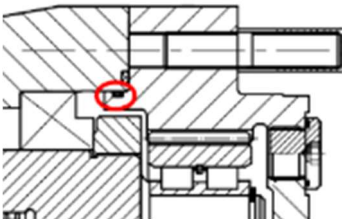
Wheel Stud 1/2" UNF 1 each, 8 required
reference #12 - **AHPWD716DES12** \$7.93 + GST



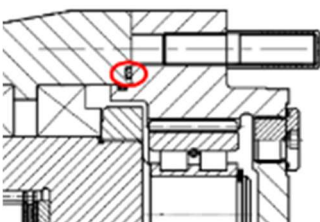
O-ring between backing flange to hub brakes 1 each, 2 required
reference #42 - **IF20-OBBFTHB** \$11.41 + GST



O-ring between Hys motor to backing flange 1 required
- **ORBS152N7** \$6.30 + GST

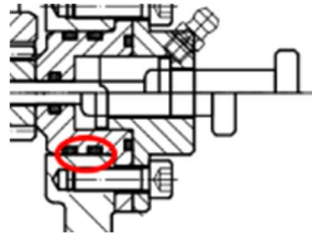


O-ring between front flange to inside of rotating hub 1 required
Ø187 id x 2.5 cross-section, reference #15 - **IF20-OBFFTIORH** \$7.46 + GST

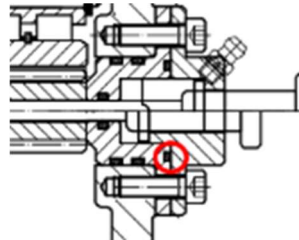


O-ring between front flange to front face of rotating hub
1 required, Ø200 id x 3 cross-section reference #21 - **IF20-OBFFTFRH**

**Planetary Wheel Hubs
CRENDON IF 20**



O-ring between free wheel housing & front cover plate, 1 each, 2 required
reference #8 - **IF20-OBFWHFCP** \$..... + GST



O-ring between free wheel plunger bracket & insert assembly, 1 each, 1 required
reference #6 - **IF20-OBFWPBIA** \$7.46 + GST



Wheel Nut 1/2" (Ford) - **AHWNF1/2**



Conical spring washer, 1/2" - **BWCS1/2** \$1.09 + GST



Wheel hub breather 18mm 25 psi - **VP18x1.5-20/25**

Planetary Wheel Hubs
CRENDON EP#3, CM#4, CM#5,
CM#6, CM#7, CM#8-947
(8:1 - Very heavy duty designed by Crendon)
Planetary Wheel Hubs CRENDON



W/hub Planetary drive 6.2:1, free / wheeling, with brakes #7-2 565CM#5. (For older squirrel's pre 2016) – **AHPWDB565CM5** not available any more up grade to 8:1

W/hub planetary drive 6.2:1, free / wheeling, NO brakes #7-2CH (For older squirrel's pre 2016)- **AHPWDN601L7-2NB**

W/hub planetary drive 8:1, free / wheeling, with brakes, very high radial load CM#8-947, 2,000 Nm max output torque (from 1-2019) – **AHPWD947B** \$1598.29 + GST

W/hub planetary drive 8:1, free / wheeling, No brakes, very high radial load CM#8-947 2,000 Nm max output torque (from 1-2019) – **AHPWD947NB** \$1402.42 + GST



Hub centre CM planetary hub to frame 10mm plate – **XHCMPH10MM***



Hub breather hub plug release at 25 psi, O-ring seat, stainless steel, 16x1.5mm thread – **VP16x1.5** \$14.52



Wheel studs 1/2" x 55mm long UNF – **AHWS12x55UNF*** \$7.93 + GST



Conical spring washer, 1/2" – **BWCS1/2** \$1.09 + GST

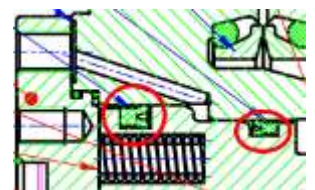
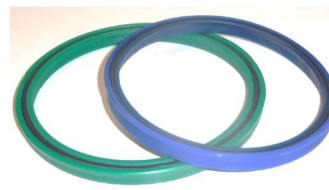
Planetary Wheel Hubs parts
CRENDON



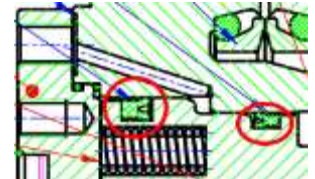
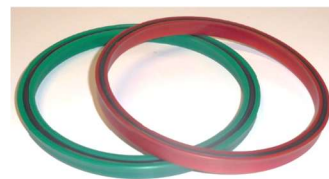
Ever Power Bearing and cone set gear box #7-2 (LL225749-LL225710) OD-165.9, ID-127, width-18.25 used in 6.2:1 & 8:1 hubs 2 required per hub, (up to 12-2018) – **AHPWD716CBS** \$124.00



Ever Power Bearing and cone set gear box CM#8-947 (LL225810) OD-170, ID-127, width-27 for 8:1 split hubs (from 1-2019) – **AHPWD947-B11** \$163.23



Ever Power Seal kit brakes with energiser O-ring, 120x105x8 green & 110x100x8 blue, 1 of each size, 6:1 ratio (up to 8-2015) – **AHPWDN601L72BSK** \$107.24 + GST



Ever Power Seal kit brakes with energiser O-ring, 120x105x8 green & 115x105x9 red, 1 of each size, 6:1 & 8:1ratio (after 8-2015) – **AHPWD777BSK** \$107.24 + GST



Piston N601L#7-2 (1 part) CH (up to 8-2015) – **AHPWDN601L7P**

**Planetary Wheel Hubs parts
CRENDON**



Ever Power Disengaging f/wheel assembly N601L#7-2 – flush face inside for rolled pin (up to 8-2015)

AHPWDN601L72DA \$54.00 + GST



Ever Power Disengaging f/wheel assembly – raised face inside for rolled pin (after 11-2015) **AHPWD777-**

25*26* \$60.50 + GST



Ever Power Disengaging f/wheel pin N601L#7-2 – flush face inside for rolled pin (up to 8-2015)

AHPWDN601L72HP \$54.89 + GST



Ever Power Disengaging f/wheel pin – raised face inside for rolled pin (after 11-2015) **AHPWD777-26*** \$54.85 + GST



Ever Power Rolled pin 4mm x 18mm long for Disengaging f/wheel pin (all) **AHPWD777-B08** \$0.51 + GST



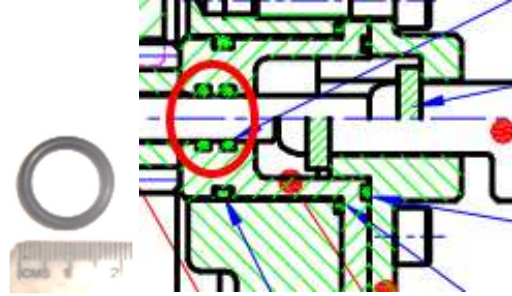
Ever Power Centre pin #24 CM hub, 8:1 hub, Ø 7.9mm x 94mm long– (after 11-2015) **AHPWD77724**



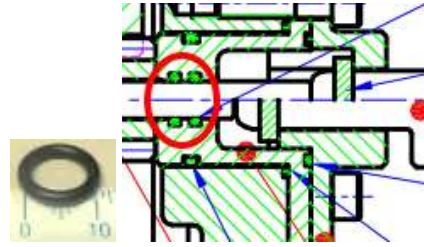
Ever Power Centre pin #24 CM#5 hub, 6:1 hub, Ø 12.5mm x 84mm long – (up to 8-2015)

AHPWD565CP24

**Planetary Wheel Hubs parts
CRENDON**

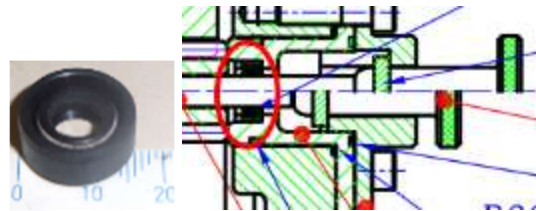


O ring for freewheeling plunger 6:1 reduction, 2 required (up to 8-2015) - **ORBS111** \$1.36 + GST



O ring for freewheeling plunger 8:1 reduction, 2 required (From 8-2015 - 2018)

- **ORBS011** \$1.84 + GST

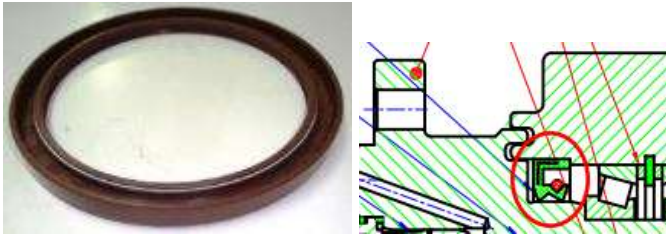


Ever Power Double lip shaft Seal for freewheeling plunger 8:1 reduction, 16 od x 8 id x 7 wide. (From 3-2019) – **OS8-16-7** \$12.88 + GST

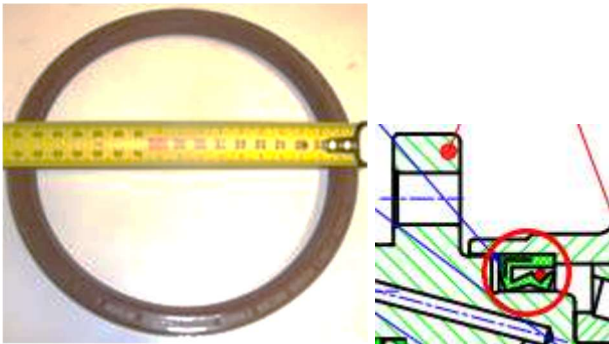


Ever Power Seal kit gearbox, 1 off N601L #7-2, 6:1 reduction, 2 required (up to 10-2014) – **AHPWD565GBS** \$197.79

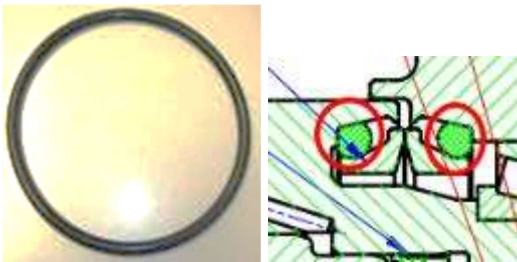
**Planetary Wheel Hubs parts
CRENDON**



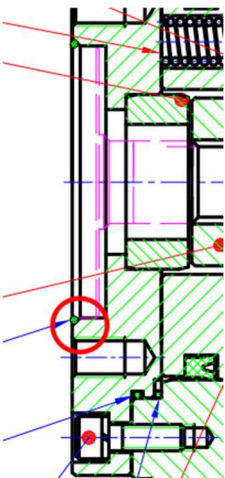
Ever Power Shaft Seal double lip OD-170 ID-140 width 12 (10-2014 – 12-2018) – **AHPWD716S140170**
\$87.92 + GST



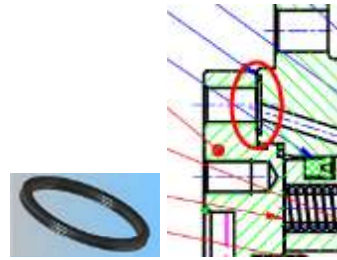
Ever Power Shaft Seal double lip OD-175, ID-155, width-15, (from 1-2019) – **AHPWD947-B09**
\$81.64 + GST



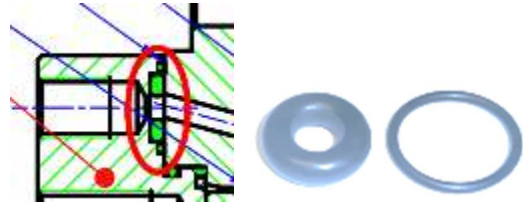
Ever Power O-Ring for Dyuro Cone, 1 off 155mmIDx9W NBR70, 2 required (up to 2014) - **ORM155X9-70**
\$25.70 + GST



Ever Power O-Ring for hyd motor to planetary wheel hub, 1 off 82mmIDx2.6W NBR70, 1 required – **ORBS152N7** \$6.30 + GST



Q-Ring for brake release 0.549 x 0.755" (up to 2017) – **QR113-90** \$3.69 + GST

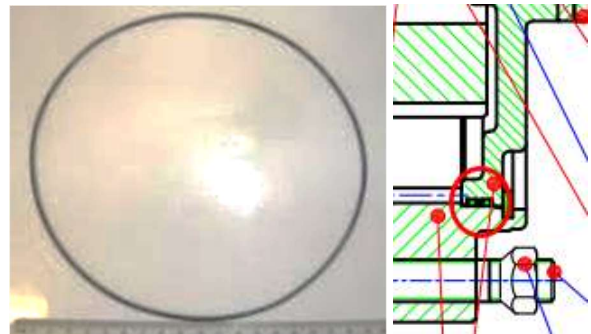


O-Ring for brake release 3/8" id x 1/8" section, inner big one, (from to 2018) – **ORBS204** \$2.00 + GST
O-Ring for brake release 0.644" id x .087", outer smaller one, (from to 2018) – **ORBS908** \$2.96 + GST

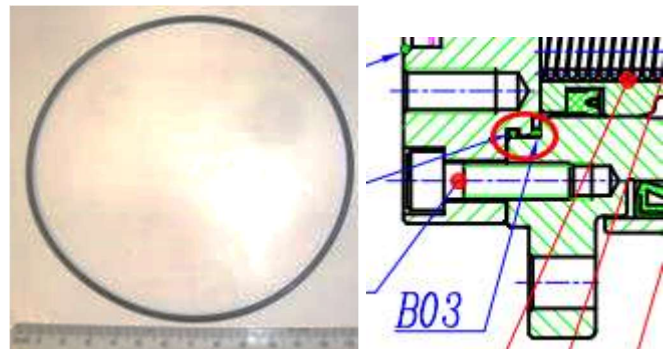
**Planetary Wheel Hubs parts
CRENDON**



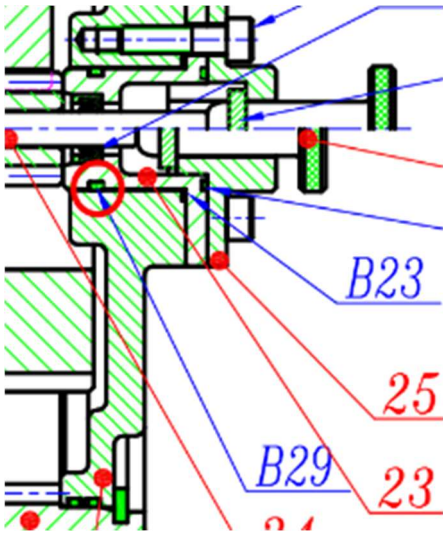
Cover plate all - **AHPWDN601L72FCP**



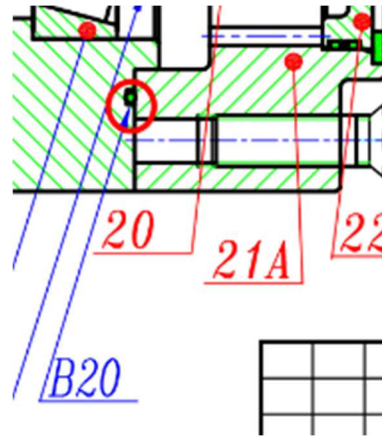
O ring for front cover plate, 1 off ID 6 1/2" x 3/32", 2 required – **ORBS 165** \$11.60 + GST



O ring for brake cover plate, 1 off OD 4 3/4" x 3/32", 2 required - **ORBS 159** \$5.87 + GST



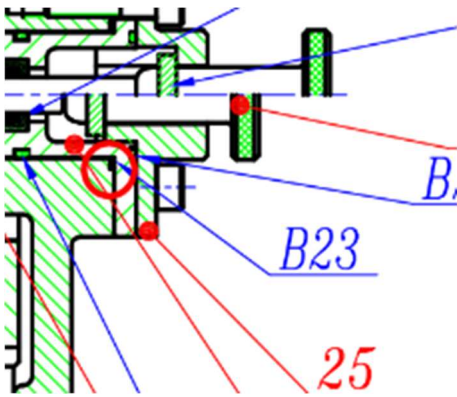
O ring, B29, for freewheeling Assy inside seal, 1 off 1 required - **ORBS119** 3.24 + GST



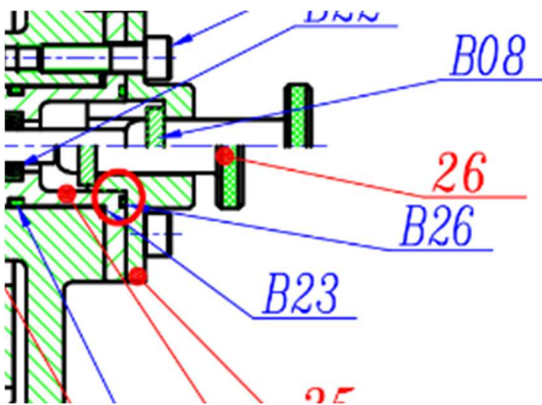
O ring, B20, for 8:1 split hub, 1 off 1 required - **ORBS** + GST



Internal C clip $\text{Ø}6\frac{3}{4}$ " for front cover plate, 1 off 1 required - **AHPWDICFC634** 12.30 + GST



O ring, B23, for freewheeling Assy outside seal, 1 off 1 required - **ORBS023** 2.72 + GST



O ring, B26, for freewheeling Assy outside seal, 1 off 1 required - **ORBS** + GST

**Planetary Wheel Hubs parts
CRENDON**



Screw plug, magnet & bonded washer set CM#6 hub – **AHPWD716SPMBWS***



Outer housing CM#6 hub, 6:1 reduction (up to 8-2015) – **AHPWD565OH-21** \$353.26 + GST

Outer housing CM#7 hub, 8:1 reduction (11-2015 to 12-2018)

– **AHPWD777-21** \$353.26 + GST



Outer housing CM#947 hub, 8:1 reduction (After 1-2019) – **AHPWD947-21** \$519.82 + GST



Inter housing CM#947 hub, 8:1 reduction (After 1-2019) – **AHPWD947-03** \$519.36 + GST



Sun gear cog CM#6 hub 6:1 reduction (up to 8-2015) – **AHPWD716SG** \$85.82 + GST

**Planetary Wheel Hubs parts
CRENDON**



Sun gear cog CM#7 hub 8:1 reduction (After 11-2015) – **AHPWD777-20** \$85.82 + GST



Spline drive sleeve #12 CM7 8:1hub, OD 36mm x 34mm long (after 11-2015) – **AHPWD777-12**



Spline drive sleeve #12 CM5 6:1 hub, OD 36mm x 34mm long (before 11-2015) – **AHPWD565SDS12**



Spline drive sleeve #12 CM7 8:1hub, OD 33.7mm x 45mm long, (after 11-2015) – **AHPWD777-12**



Sun gear drive spring CM#7 hub 6:1 reduction, Ø24.6 x 35 long x Ø2.2 wire (up to 8-2015) – **AHPWD565SGDS-09**



Gear cog 6:1 reduction (33 tooth, OD 73.9mm) (up to 8-2015) – **AHPWD565C17** \$64.69 + GST

Gear cog 8:1 reduction (34 tooth, OD 76.7mm) (after 11-2015) – **AHPWD777-17** \$64.69 + GST

**Planetary Wheel Hubs parts
CRENDON**



Needle roller bearing set (4.76x23.8) -
AHPWD565NRB



Planter cog-centre shaft #16, 6:1 reduction CM#5 hub
(up to 8-2015) - **AHPWD565CSC16**



Planter cog-centre shaft V565 #24, 8:1 reduction CM#7
hub, Ø21.2, ends Ø19 x 45 total length (after 11-2015)
- **AHPWD565SGCCS24**



Planter cog-centre shaft reduction hub, Ø20 x 49 total
length one end has machined flat spot 3.5 long -
AHPWD5x49-15Q93



Planetary gear spacing ring V565 (18) -
AHPWD565PGSR18 \$2.81 + GST



Block (1) - **AHPWD565B02**



Brake Spring Extra heavy (CM hub) 15odx3.5mmx40mm
(not recommended) - **AHPWD777-08XHBS**

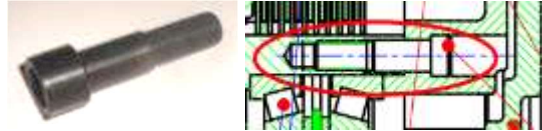
Brake Spring heavy (CM hub) 15odx3.15mmx40mm (14
in each hub) (all) - **AHPWD716BS** \$4.14 + GST

Brake Spring light (CM hub) 15odx2.5mmx40mm (14 in
each hub) (for light braking only) - **AHPWDN601L7-
2BS** \$2.68 + GST

**Planetary Wheel Hubs parts
CRENDON**



Socket head cap screw 8x25 for, 6:1 reduction hubs-
AHPWD716CSM8X25 \$1.84 + GST



Bearing holding shoulder bolt, 10mm thread, 11mm
shoulder, 40mm long - **AHPWD716SC** \$6.09 + GST



Hyd Motor to CM Hub 1/2" x 1 1/2" UNF socket head cap
screw (from 9-2015) - **BSHC1/2x1.2UNF** \$5.09 + GST



Hyd Motor to CM Hub 12mm x 35 socket head cap screw
(for up to 8-2015) - **BSHCM12x35** \$2.52 + GST



Friction plate set - **AHPWD565FPS**



Rear motor adaptor plate all 8:1 (after 11-2015) -
AHPWD947-01

Planetary Wheel Hubs

Renold (Oildrive)



Freewheeling, with brakes W/Hub GR211 (No motor)
1,500 Nm max output torque – **AHRGR21116FWBNM**
\$2,709.09 + GST



Drive motor 160cc W/Hub GR201 series –
AHRGR20116M

Renold parts



Drive motor seal kit, for the type that has 8 x socket
head cap screws in the shaft cover plate – **MHRMLRSK**



End cover plate ONLY GR211 W/Hub – **AHRGR211EPA**



Renold Brake release shuttle valve for GR201 –
AHRBRSV

Banjo bolt for Brake release shuttle valve (pictured on
right) – **AHRBRSVBB**



NOT AVAILABLE

Renold Freewheeling release pin (61) GR201 –
AHRGR200FWP

Planetary Wheel Hubs

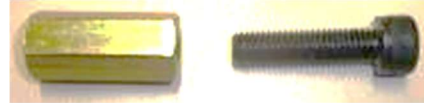
Renold (Oildrive)



Renold Freewheeling side release pin REN
(replaces AHRGR200FWP) – **AHRFWSRP***



Renold Belleville disc spr wsh 63x31x2.5 –
BWB31X63X2.5



Nut Rod coupler M10X40 ZP – **BNRC10X40**
Cap screw, socket head M10X40 – **BSHCM10X40**



Sun gear - 6mm bolt hole W/Hub renold
(recon) **NOT AVAILABLE** – **AHRGR211SG**



Sun gear/bolt/plunger **NOT AVAILABLE** –
AHRGR211SGP



Renold main bearing 2 required *Timken USA*, 160 od x 105
id x 18 wide – **B16021** \$143.10 + GST



Renold Main shaft seal 130 od x 160 id x 12mm GR201 –
OS13016012



Renold O-Ring Seal kit for GR200/201 –
AHRGR200/1ORK*



Danfoss Bearing 620d X 35id X 9mm (Ex-1733) – B16007

Planetary Wheel Hubs **Danfoss (Reggiana)**



WGF083/61-9 154B9642KM (early model EX-733) –
AHDFBFWNM

WGF083/61-9 154F383M359 (model EX-1465) –

RWD200B/6.1; 154F4224NH (late model EX-1733 with
12 springs) – **AHDFBFWNM12S**



Danfoss Brake Spring for 154B9642KM W/hub (early
model) –
AHDWBSWGF083



Danfoss Brake spring (Medium) 110Dx3x25
SBC1070x315x256 Not Available
Danfoss Brake spring (Heavy) 110Dx3.2x28
SBC11x3.2x28 Not Available

Planetary Wheel Hubs
Danfoss (Reggiana)



Danfoss Mechanical seal WGF0839 W/hub C138003 – **AHMSWGF0839**



Danfoss Socket head cap screw 6 x 30 to hold bearing cap plate in hub, 10 required to replace set, These can be stretched when hub is pressurised, – **BSHCM06X30**



Danfoss Wheel stud 1/2" x 40mm long UNF W/hub DF – **AHWS12x40UNF***



Conical spring washer – **BWCS1/2** \$1.09 + GST



Danfoss O Ring kit Danfoss wheel hub EX-1465/1733 - **AHDORK1465*** \$59.62 + GST



Danfoss Free-wheeling plunger Danfoss hub – **AHDFWP***



Danfoss Brake Sintered Disc Danfoss Hub – **AHDFSDWGWGF0839** \$72.20 + GST

Planetary Wheel Hubs
Danfoss (Reggiana)



Danfoss Shaft Seal double lip OD-170 ID-145 width 15 – **OS145x170x15** \$34.36 + GST



Danfoss rear tapered bearing, *Timken USA*, 120id x 165od x 29 wide – **B32924** \$124.00 + GST