# th ISUE top gear - top value!

# March/April 2021 Issue 50



20V 400g Cordless

Adjustable delivery rates

of 100g/min or 140g/min

Industry leading pressures of up to 10,150psi/700bar

Backlit display with real time

and grease meter information

Supplied inclusive of 2 x 2.0Ah

batteries, battery recharger

AL430A • \$822.25 inc GST

battery level, grease level

Up to 14 cartridges

per battery charge

and carry case

**S** Series Air

Hose Reel

18m x 10mm ID

x 448mm (H)

x 228mm (W)

\$362.25 inc GST

\$385.25 inc GST

ALSA300N ·

hybrid polymer hose

3/8" BSP(f) inlet/outlet

Dimensions: 490mm (L).

ALSA400N \$335.00

15m x 12mm ID hybrid polymer hose

Grease Gun

### 20V 450g Cordless Grease Gun

- Adjustable delivery rates of 100g/min or 140g/min
- Pressures of up to 10,150psi/700bar
  Up to 12 cartridges per battery charge
- Backlit display with real time battery level,
- grease level and grease meter information
- Supplied inclusive of 2 x 2.0Ah batteries,
- battery recharger and carry caseOptional 4.0Ah battery capable
- Optional 4.0Ah battery capable \$479.00 of dispensing up to 35 cartridges
- AL630A \$550.85 inc GST

\$715<sup>.00</sup>

\$315.00

### Lever Action Grease Gun

- Grease pressures of up
- to 12,000psi (828bar) • Delivers up to 1.6g
- of grease per stroke • 450g capacity
- Suitable for all grease
- grades up to NLGI3
- Ever-Flow System enables
- the use of thick/tacky greases
- 4 jaw coupler and rigid extension
- Three way loading
- AL600A \$90.85 inc GST

### Quick Release Grease Gun Coupler

- Works with all grease gun types pneumatic, manual and battery
- 1/8" BSP(f) thread
- Maximum working pressure
- of 10,000psi (690bar)
- Fits all metric
- and SAE specification grease nipples
- 90mm in length

AL14512 • \$41.40 inc GST

\*Applies to the vast majority of Alemlube products unless indicated otherwise

### ENTER FOR YOUR CHANCE TO WIN A ZERO-X FORCE FULL HD DRONE

Purchase any Alemlube product from this issue and go into the draw to win a Zero-X Force Full HD Drone worth \$350.00.

One entry per invoice. Available at SAECOWilson stores from 1/3/21 to 30/4/21

### Trigger Action Grease Gun

\$**79**.00

\$**36**.00

- Grease pressures of up
- to 8,500psi (586bar)
- 450g capacityDelivers up to 1.1g
- of grease per stroke
- 4 jaw coupler and flexible
- 30cm long extension
- Ever-Flow System enables the gun to be used with thick

# tacky greases even in the coldest conditions

AL660A • \$128.80 inc GST

### Samoa 20kg Grease Kit

- Delivery rates of up to 0.9kg/min
  Grease pressures of up
- to 7,950psi (548bar)
- Will handle high density, tacky greases up to NLGI2
- 4m long hose assembly
   AL424170 \$943.00 inc GST

AL424150 \$959.00 Samoa 20kg Grease Kit with Trolley \$1,102.85 inc GST

# \$820-00

\$112<sup>.00</sup>



# WORDFIND COMPETITION

Find 11 letters scattered throughout the magazine which spell a common tool. All correct entries will go in the draw. Entries close 1/03/2021. See page 2 for more details.



# **SAEC** Wilson



Bearings | Power Transmission | Engineering Supplies



Scan for online store





**Wilson** Bearings | Power Transmission | Engineering Supplies



#### From the Desk of the Marketing Manager TH ISSUE

Welcome to 2021!

Everyone's back at work, the kids are back at school (sigh of relief) and things seem to be returning to fairly normal in our day-to-day lives.

We celebrate our 50th edition of NZworkbench with a collection of great products and some fantastic prizes up for grabs. Purchase any Alemlube product featured in this edition and you could win a super cool Zero-X Force full HD drone! Our wordfind prize is a Garmin Vivoactive smart watch sponsored by Gates. Also check out page 18 for

your chance to win a racing simulator worth \$5,500 with Gates!

We take a look at C&T's conveyor roller offering on page 14 and SAECOWilson's Engineering Services on pages 15-17. We also cover Gates belt technology on pages 18 and 19. Be sure to check out our Hot Specials on pages 24-27 and read about how our NZworkbench magazine came to fruition on page 28.

Remember, our sales and service staff are always ready to help you get the job done. Call on any one of our 22 branches nationwide - locations on the back page. Our experienced staff and specialist engineers are standing by to see to your engineering needs.

# WORDFIND COMPETITION

Find hidden in this issue 11 letters which make up the name of a common tool. Find all the letters (like this W) to spell the tool. Email your answer, name, company, address and phone by 1 April 2021. A correct entry will be randomly drawn and the winner will be notified. competition.nzworkbench@saecowilson.co.nz

WIN a Garmin Vivoactive smart watch supplied by Gates worth \$549 RRP

Winners of issue 48 Oct/Nov front page competition for the Tecmen ADF950S Helmet worth RRP\$659 each: Michael Jelley - MD Engineering, Dunedin and Gerald Lilley - BRJ Lilley Farms, Whangarei

LOCTITE<sup>®</sup> 243

Congratulations Amber Melville, of Tourism Holdings, Christchurch, our Wordfind winner of the Dec/Jan/Feb issue, who won a Gascraft 4-burner BBQ supplied by Dalton International worth \$549 RRP. The answer was PINPUNCH.

#### WORDFIND AND FRONT PAGE COMPETITION TERMS

One entry per person (Wordfind) or one entry per invoice (Cover Competition). NZWB reserves the right to publish the winner's name. Competition is not open for employees, advertisers or their families. Prizes are not transferable and cannot be redeemed for cash.

Any expenses incurred in claiming and using a prize are the sole responsibility of the prize winner. Competition is open to NZ residents only. The judge's decision will be final and no correspondence will be entered into. The winner will be contacted via phone number provided.

# LOCTITE

# **INTRODUCTORY OFFER**

Purchase \$250 worth of Loctite<sup>®</sup> threadlocker products and receive a FREE Pro Pump dispenser valued at \$65\*

Less mess. Less waste. More Precision \*While stocks last

### LOCTITE<sup>®</sup> 222





New Pro Pump Dispenser





# LOCTITE<sup>®</sup> 263 HIGH STRENGTH



\$ 39.90

**Oil Tolerant** 

# LOCTITE<sup>®</sup> 7649

#### PRIMER Surface preparation ensuring maximum performance of liquid



**1. BONDING INACTIVE METALS** 2. SPEEDS UP CURING TIME **3. CHALLENGING ASSEMBLIES** Cold Temperature, Large Gaps and Deep Threads

LOC7649 SIZE: 50ML \$ 25.90 \$ 29.79 INC GST

### www.saecowilson.co.nz

LOC263-50

SIZE: 50ML

\$ 45.89 INC GST

\$ 39.90

\$ 45.89 INC GST

\$ 45.89 INC GST

# **SAEC** Wilson Bearings | Power Transmission | Engineering Supplies

# ACIEIC A CONTRACT OF CONTRACT

### **EL Series 450g Trigger Action Grease Gun**

- Grease pressures of up to 4,000psi (276bar)
- Delivery rates of up to 1.15g per stroke
- Robust die cast aluminium head assembly
- Heavy duty 4 jaw coupler
- ALG10010 \$44.85 inc GST

### EL Series 450d Lever Action **Grease Gun**

\$**39**.00

- Grease pressures of up to 8,000psi (552bar) Delivery rates of up to 0.95g per stroke
- Robust die cast head assembly
- Heavy duty 4 jaw coupler ALG10020 ·

\$35.65 inc GST

# **Heavy Duty Hi-Flo Refuelling**

\$**31**.00

**Drum Pump** Delivers up to 110L/min Suitable for the transfer of diesel fuel, petrol, kerosene and light oils up to SAE30 from 60L and 205L drums and IBC's Supplied complete with

\$116<sup>.00</sup>

2.6m of UV and fuel resistant hose, spout, holster, 3-piece downtube and heavy duty bung adaptor AL5060A • \$378.35 inc GST

### Oil Transfer Drum Pump

Suitable for 60L and 205L drums Delivers approximately

\$**329**.00

- 0.45L per stroke Steel body and brass segmented piston makes the pump suitable for the transfer of kerosene,
- coolant and transmission fluids Includes a delivery hose and outlet spout facilitating quick, easy and contaminant free lubricant transfer
- Fully serviceable AL304600 • \$133.40 inc GST

#### 4m long hose assembly Maximum fluid pressure of 5,800psi (400bar)

**EL** Series

 All types of grease up to NLGI2 • Delivers up to 600g/min

20kg Grease Pump

- Air consumption of 3.6cfm at 150psi
- Air inlet pressure from 70psi (5bar) to 150psi (10bar)
- ALG100120 \$780.85 inc GST



### **1L Brake Cleaner Sprayer**

- Safety valve at 36psi (2.5bar) with
- depressurisation option
- Easy tool free maintenance
- Strong translucent bottle with level indicator

<sup>\$</sup>54<sup>.00</sup>

### **EL Series Oil Transfer Kit with Meter**

Flow rates of up to 10L/min

Large filling opening

Not suitable for use with acids

AL6603A • \$62.10 inc GST

- Includes a 3:1 ratio oil pump, 1/2" hydraulic hose, electronic oil
- meter and adjustable 2" bung adaptor
- Suits 205L drums and transfers engine, gear hydraulic oils up to SAE130 and ATF
- Air consumption of 3.6 cfm at 150psi Maximum operating pressure
- of 450psi (30bar)
- Oil control valve with meter ALO30050 • \$918.85 inc GST



Lockable Diesel Refuelling Storage and Dispensing Kits

\$**54**.00

• Dispensing kit consists of a 12V pump, 4m antistatic fuel delivery hose, 2m battery cables and automatic nozzle

CAPACITY

1001

1001

2001

Lockable lid aids diesel fuel security and protects dispensing kit components

PRODUCT NUMBER

110040PA

110040PAM

1 20040PA

- Flow rates of up to 50L/min
- Built in nozzle holster Heavy duty, robustly constructed
- polyethylene tanks Forklift lift points and tie
- down capability Suitable for storing
- and dispensing diesel fuel only



pplies to the vast majority of Alemlube	
oducte unless indicated otherwise	

			.,	1,1
L20040PAM	200L	Yes	\$1,355.00	\$1,558.25
L45040PA	450L		\$1,599.00	\$1,838.85
L45040PAM	450L	Yes	\$1,780.00	\$2,047.00
L60040PA	600L		\$1,740.00	\$2,001.00
L60040PAM	600L	Yes	\$1,930.00	\$2,219.50

WITH

Yes

PRICE

\$1.089.00

\$1,280.00

inc GST

\$1.252.35

\$1,472.00

\$1 169 00 \$1 344 35

AL501A · \$166.75 inc GST

• Length: 1.3m (4.3ft)

**Rotary Action** 

Suitable for the transfer

**Drum Pump** 

of diesel, petrols,

kerosene, lube oil

and bulk tanks

to 18L/min

and machine oil from

60L and 205L drums

2" BSP bung adaptor

Delivery rates of up

### **20L Gear Oil Drum Pump**

- Capable of delivering up to 110mL per stroke
- Suitable for use with a variety of 20L drums

\$145.00

- Ideal pump for the transfer of engine, gear, diff and hydraulic oils Drainback nozzle holster ensures that excess oil ends up back in the drum
- UV stabilised long life hose ensures a long service life

AL8828 • \$62.10 inc GST

### SAECC VIISON Bearings Power Transmission Engineering Supplies





M18FPP3B2-502B • \$1,470.85 inc gst

www.saecowilson.co.nz

M18FDG-0 • \$366.85 inc ast



### 0800 338 833

### SAECC Wilson Bearings | Power Transmission | Engineering Supplies





SCR102PGH • \$1,823.90 inc gst

RC53 • \$534.75 inc gst





# POWERBUILT®

3/8" Dr 39pc Socket Set

Sockets: 6mm to 22mm, 1/4" to 3/4" Assorted drive accessories KBT2760



\$148.35 inc gst

# **35pc Torx Socket Set**

Torx T-8 to T-60 Tamper Proof Torx T-7 to T-55 Female Torx E-4 to E-18 645020

\$102.35 inc ast





FREE 36PC BIT SET

Adjustab Wrenche		
MODEL	SIZE	Ex GST
944039HS	4"	\$10 <sup>.00</sup>
644040HS	6"	\$17 <sup>.00</sup>
644041HS	8"	\$20 <sup>.00</sup>
644042HS	10"	<b>\$26</b> .50
644043HS	12"	<b>\$34</b> <sup>.80</sup>
940208HS	15"	\$63 <sup>.50</sup>

18"

24"

WES5011

WES5012

### 248pc Complete Tool **Chest & Assorted Tools**

\$79.00

\$119.00

INCL GST

\$11.50

\$19.55

\$23.00

\$30.48

\$40.02

\$73.03

\$90.85

\$136.85

THE COMPLETE TOOL BOX SOLUTION Are you serious about tools? Powerbuilt's biggest set, in a 9 drawer chest. Everything you need for most jobs! This selection of tools will suit the kiwi enthusiast and professional with room to add more tools over time by adding on a Powerbuilt roller cabinet **CCT004F** 

<sup>\$</sup>1369 \$1,574.35 inc gst



### 2 Ton 3-in-1 Garage Jack

- Lifting range: 140mm 445mm
- Suitable for cars, trucks,
- motorcycles, ATVs
- Wide wheels and base improves stability for lifting loads safely
- Also suitable for removing/replacing
- transmissions and differentials
- 980223

\$378.35 inc gst



# 272kg Hydraulic Mower Jack

- Lifting range: up to 890mm (side lift)
- Effortless foot pedal hydraulic lifting
- Locking safety bar

<sup>\$</sup>329

\$378.35 inc qst

- Rubber pads for mower protection
- Replaces unsafe mower jack lifts 980220

EASY TRANS CONVENIENT EASY LIFT

0800 338 833

120

### **SAEC** Wilson Bearings | Power Transmission | Engineering Supplies



# **45A Inverter** Plasma Cutter

- Increased duty cycle and efficiency with active PFC technology
- Cuts 16mm carbon steel, severing up to 19mm
- Duty cycle 100% @ 30A, 44% @ 40A
- Requires 3.9cfm of compressed air @ 5bar to operate



#### ADVANCECUT45 • \$1,932.00 inc gst

# 315A Multi-Process \$2,825.00 **Compact MIG** Welder

- Adjustable pre-flow, post-flow, burn-back and soft start
- Adjustable wave form (inductance)
- Versatile machine with Lift-TIG function
- With Binzel style torch, stick lead set, gas regulator and CO<sup>2</sup> adaptor
- 4-roller drive system
- Duty cycle 100% @ 200A

### ADVANCEMIG315C • \$3,248.75 inc gst

# 4,600W Electric Start Generator

- Ideal for camping, on-site or household backup power
- Smart throttle for guiet operations and fuel savings
- Push button electric start with EZ recoil backup
- 4-stroke 272cc Powerdyne OHV engine
- 4,600W max, 4,200W rated
- 2x 15A 230V outlets + 2x USB outlets
- Low oil-shut down



**Fuel Mixer Set** 

### GT4800Ei • \$1,949.25 inc gst

# Carpet and **Upholstery Cleaner**

- Ideal for car cleaning, carpet cleaning and hospitality industries
- Includes durable tools and a drain hose for easy emptying of the waste tank
- Heavy-duty 27L stainless-steel tank •
- On board 25L external detergent tank
- Two powerful extraction motors for superior suction
- Push trolley for great manoeuvrability





POWER

DURY

# 200A Multi-Process \$2,410.00 AC/DC Pulse **TIG Welder**

- Reliable and designed tough with IP23 and high quality, over specified components
- Increased duty cycle with active PFC technology
- Multi voltage input, safe for use with long extension leads
- Microprocessor control system
- Lift TIG or HF TIG arc ignition system, with low EMF interference
- TIG duty cycle 100% @ 155A

ADVANCETIG205ACDC • \$2,771.50 inc gst

# 9cfm Direct Drive Compressor

- Powerful 2.5hp motor
- 50L receiver
- Large direct drive pump
- Adjustable pressure
- regulator Air delivery 165L/min
- @ 90psi
- Max pressure 125psi

BONUS

**16pc Pneumatic Accessory Kit** AC10i • \$598.00 inc gst

# 3,300psi 9.5L/min Petrol Waterblaster

- SH265 6.5hp Kohler engine
- AAA Cougar<sup>®</sup> Series triplex pump
- with pressure adjuster
- Pro-style spray gun and wand with OC nozzles





PS3395 • \$1,592.75 inc gst

# **Steam Cleaner**

- Stainless steel boiler provides saturated steam at 9bar up to 175°C
- Mixes chemicals and detergents with the steam, perfect for high level sanitisation
- Simple and intuitive control panel
- No-stop refilling with external
- tank supplied Wheels suitable for food and processing areas
- Discharge valve for complete emptying of the boiler
- Ideal for cleaning conveyors



















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# workbench March/April 2021



NOEB7000 • \$73.03 inc gst





18V 13mm Hammer

Drill LiHD Kit

BONUS

**Coffee Mug** 

Kit includes 120Nm brushless

hammer drill, ACS 55 charger and 1x 5.5Ah LiHD battery (80A)

SB18LTXBLI1HD5.5 • \$504.85 inc gst

Made from drop-forged high tensile

HNBC0300H 300mm • \$60.95 inc gst

HNBC0350H 350mm • \$63.25 inc gst

HNBC0450H 450mm • \$77.05 inc gst

HNBC0600H 600mm • \$97.75 inc gst

HNBC0750H 750mm • \$143.75 inc gst

HNBC0900H 900mm • \$194.35 inc gst

alloy tool steel with specially heat-treated

Suitable for cutting materials up to HRC48

precision cutting edges for longer life

**High Tensile** 

Precision cutting edges

Bolt Cutters



meiabo

MADE

00

from \$

\$53.00

\$55.00

\$67.00

\$85.00

\$125.00

\$167.00

BONUS

### 18V 125mm Angle Grinder LiHD Kit Kit includes angle grinder, ACS 55 charger, 1x 5.5Ah LiHD battery (80A), clip-on guard, 10x cutting discs and carry bag W125B1HD5.5GD • \$435.85 inc gst **3**M from \$ 🔁 Cubitron<sup>™</sup> II Fibre Disc 982C • 982C range is engineered to cut faster, cooler with less grinding pressure than conventional abrasives • Long-lasting for increased productivity in mild steel applications 3M982C11536+ 115mm 36+ • \$5.06 inc gst \$4.40 3M982C11560+ 115mm 60+ • \$4.49 inc gst \$3.90 3M982C11580+ 115mm 80+ • \$4.26 inc gst \$3.70 3M982C12536+ 125mm 36+ • \$5.18 inc qst \$4.50 3M982C12560+ 125mm 60+ • \$4.60 inc gst \$4.00 3M982C12580+ 125mm 80+ • \$4.49 inc gst \$3.90 3M982C18036+ 180mm 36+ • \$10.01 inc gst \$8.70 3M982C18060+ 180mm 60+ • \$7.82 inc gst \$6.80 \$**1,169**.00 Weldarc 200i DC TIG Welder 200A single phase Stick and TIG welder For professionals wanting to DC TIG weld steel, copper and titanium Welds up to 8mm steel Portable at just 9.4kg For on-site maintenance, food and • wine, rural workshops, motorsport fabrication and welding contractors YEAR 1977 **Blue Helmet and WIA Duffle Bag** BONUS MC109-4 • \$1,344.35 inc gst

### Weldmatic 500i **Multi-Process** YEAR Welder

- 500A three phase multi-process suits MIG, Stick, arc air gouging and Lift-Arc TIG welding
- Ideal for medium to heavy industrial fabrication
- Full user control of the arc: infinite voltage control and arc control to adjust arc harshness, and arc start to control the wire starting speed

BONUS

• Digital volt and amp meters retain last weld information and allow precise setup

#### **Miller Digital Elite Helmet** and WIA Duffle Bag WIA500iPKG • \$5,347.50 inc gst

**0**.00 metabo



**Blue Helmet and WIA Duffle Bag** WIA250iPKG • \$2,126.35 inc gst

# Weldarc 200i AC/DC TIG Welder

- Suits 2.0-4.0mm electrodes
- 15A 240V supply •
- Industrial quality 8m TIG torch

# BONUS

**Blue Helmet and WIA Duffle Bag** WIA200ACDCPKG • \$2,137.85 inc gst



www.saecowilson.co.nz

10

Weldmatic 250i **Multi-Process** Welder 250A, single phase, multi-process inverter capable of MIG, Stick and TIG welding Suitable for rural applications, construction sites, automotive panel repair and exhaust repair

HNBC1050H 1050mm • \$286.35 inc gst \$249.00

- Suits 5kg and 15kg spools
- Two year unlimited warranty for the power source

200A AC or DC TIG • 170A Stick welder • Pulse TIG • HF pulse start or Lift-Arc start





\$**269**.00

Contraction of the local data

Kokon

KOKEN4012M/10

KOKEN4012A/10

**A**.00

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THE OWNER OF

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workbench March/April 2021

# THERE IS NO EQUAL

# 3/8dr Socket Set 29pc

- Supplied with ratchet, powerbar, 125mm extension and sockets
- Covers sizes 8-21mm in both standard and deep sockets
- Sturdy metal case with plastic insert





### 1/2dr Inhex Kok Socket Sets

- For hand use only, not suitable for impact wrenches
- High quality, single-piece sockets • Sturdy metal case
- Available 10pc 5-19mm KOKEN4012M10 or 10pc 3/16-3/4" KOKEN4012A10





KOKEN4012M/10 10pc Met • \$148.35 inc gst KOKEN4012A/10 10pc Imp • \$171.35 inc gst

# 1/2dr Deep Impact Socket Set 13pc

Covers sizes 10-27mm Heavy-duty 6pt deep reach • impact sockets





Travel Bag



# 3/8dr Socket Set 35pc

- 12pt sockets, sizes 5/16"-7/8" and 9-22mm
- Includes 16mm and 20.8mm sparkplug sockets, ratchet, hinge bar, socket driver, universal, sliding T bar, and three extensions



**Bluetooth Headphones** KOKEN3279AM • \$378.35 inc gst

# 1/2dr Impact Socket Sets

- Heavy-duty 6pt sockets
- for impact use Supplied in a steel case
- Available in 13pc 10-27mm KOKEN14241M or 12pc 3/8-1.1/8" KOKEN14241A

# BONUS

### **Drink Bottle**

KOKEN14241M 13pc Met • \$194.35 inc gst KOKEN14241A 12pc Imp • \$205.85 inc gst

# 3/4dr Impact Socket Sets

- Heavy-duty 6pt sockets for impact use
- Supplied in a sturdy steel case
- Available in 13pc 19-41mm KOKEN16201M or 11pc
- 3/4-1.1/2" KOKEN16201A



**Bluetooth Headphones** 

KOKEN16201M 13pc Met • \$389.85 inc gst KOKEN16201A 11pc Imp • \$389.85 inc gst



ADEM

APA

Kokan

KOKEN14241M

orkom





KOKEN14208M • \$309.35 inc gst

### SAECOVISON Bearings | Power Transmission | Engineering Supplies

ASIA PACIFIC





# ASIA PACIFIC

# workbench March/April 2021



KD82220 • \$125.35 inc gst



KD3887 • \$274.85 inc qst

SAECOVIISON Bearings | Power Transmission | Engineering Supplies



# CONVEYOR Rollers

C&T

# TROUGH AND RETURN ROLLERS

Available in 114mm and 127mm diameter, to suit belt widths from 450mm to 1400mm wide.

- Steel, plastic and impact rollers available
- Heavy-duty double-sealed bearings
- Grease-packed triple labyrinth seals
- Recessed end caps for safety





(07) 847 7889 | sales@contrans.co.nz | www.contrans.co.nz

# SAECOWilson ENGINEERING SERVICES

SAECOWilson utilises a team of qualified and experienced engineers to add value to our wide range of Bearing and Power Transmission products in both pre and post sale activities. Applying solution engineering practices to select best products for applications in both new designs and machine upgrades. Partnering with our customers to maximise asset value and providing significant engineered cost savings through both on and offsite services. A team that includes engineers with factory training, decades of New Zealand industry experience and new graduates.

### APPLICATION ENGINEERING – PRODUCT SELECTION

Product selection supported by factory software and calculations for new applications. Solution engineering for both new and existing applications to determine best product fit to meet application requirements.

#### DESIGN

Application upgrades for increased performance and reliability. New product design for OEM requirements. System design for multiple product integration.

#### ROOT CAUSE FAILURE ANALYSIS

**SAEC** Wilson

Bearings | Power Transmission | Engineering Supplies

In depth component failure examination and reporting. Problem solving, application, product and process improvement recommendations.

#### ON-SITE TRAINING

Theoretical and practical course modules covering product knowledge, fitting and maintenance practices to maximise performance, reliability and asset value.

#### ON-SITE FITTING SUPERVISION

Includes supervision of bearing fitting, belt fitting and belt alignment on critical plant machinery following industry best practice to maximise performance, reliability and asset value.

#### CONDITION MONITORING

For sites that qualify we can provide condition monitoring using equipment and services provided by our partner Symphony Azima AI. Supply and support to customer owned VA systems.

### **CAD** design project



Long linear bearing rail install supervision



Product selection using factory software



### Factory training – THK Japan





Large replacement bearing housing

### Inspection and long term storage re-wrap 2.5 tonne bearing



### 0800 338 833





# **HIGH TECH – HEAVY INDUSTRY – OEM**



### **HEAVY ENGINEERING**

SAECOWILSON have a heavy presence in Steel Mill, Smelter, Pulp & Paper, Forestry, Energy and Mining industries. Supply and aftersales support for Large Bearing and Gearbox components. Where necessary additional support provided by factory engineers.





### OEM

Partnering with our suppliers, SAECOWilson has a long successful history of providing uniquely engineered Bearing and Power Transmission components for OEM applications. Meeting the requirements of performance, cost and supply chain integration. From concept to design, prototyping and testing through to production and supply.





# **CONDITION MONITORING**

SAECOWilson has partnered with SYMPHONY AI (Azima) to provide a unique vibration analysis service. For qualifying customers (greater Auckland and Christchurch regions at this stage) a program can be offered which provides the most comprehensive reporting on machine condition available. Sites with a sufficient number of machines can be set up for data collection which is sent via a portal to Azima analysists in USA for expert reporting. Azima's large team of highly trained analysts unfold the data and provide a comprehensive evaluation of the machines operating condition along with recommendations on any remedial actions and urgency.

# 



### **Typical report summary**

SAECOWIISON Bearings | Power Transmission | Engineering Supplies



15

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Report Synopsis				
Test Dates Through: 9/17/	2020			
Total Number of Machines Covered in Report:	86			
Number of Machines Tested:	65			
Number of Machines Overdue	21			
Total Number of Machines Classified in Each State:				
Extreme	1			
Serious	0			
Moderate	44			

Never tested

No Faults Detected

Slight

We provide top level condition monitoring to several sites across NZ using the equipment and services provided by Symphony Azima AI. For customer owned and operated CM programs we offer the latest equipment and technologies from Schaeffler-FAG, SPM etc









# **INNOVATION AND EXCELLENCE**

Gates Rubber Company has played a lead role in the development of engineered rubber products. In 1917 John Gates invented the V-belt, which revolutionised the methods of power transmission in industrial and automotive machinery. Gates has introduced numerous innovative products including Predator<sup>™</sup> and Poly Chain<sup>°</sup> GT Carbon<sup>™</sup>.

# **V-BELTS**

Gates invented the V-belt in 1917 and since then have taken a lead role in developing innovative products that minimise maintenance downtime. From the space saving Super HC<sup>™</sup> and Quad-Power<sup>™</sup> 4 to the downtime killing Predator<sup>™</sup>, Gates have a premium construction v-belt for every application.

# SYNCHRONOUS BELTS

Since the invention of the trapezoidal synchronous belt in 1946 for the Singer<sup>™</sup> sewing machine, Gates have developed their products to be unrivalled in performance and power capacity. Whether it is for high-precision or high-torque, Gates have a synchronous belt to suit.

(Fates)



# WIN BIG WITH

### 

# WIN a Garmin Vivoactive Smart Watch

See page 2 for Wordfind details and Ts&Cs.

Worth \$549

# WIN Gates Bar Stools

AND SAEC Wilson

Purchase over \$150 of Gates products to go in the draw to WIN a pair Gates bar stools - drawn fortnightly from 1 March to 30 June 2021, sixteen to giveaway.



# **PUT YOURSELF IN** THE HOTSEAT!

# Your chance to WIN a Custom built Racing Simulator by Kelly Grove Racing featuring Andre Heimgartner current livery, including:

- Selby SIM1 Racing Simulator Cockpit, Monitor and Gear Shifter Mount
- G29 Driving Force Steering Wheel & Pedals
- LG UHD 43" Gaming Screen
- PlayStation<sup>•</sup> Console and Game (subject to availability)

For every \$500 spent on Gates products at any SAECOWilson store during 1 March until 30 June 2021, will be one entry in the draw. Winner drawn on 7 July 2021. See Terms & Conditions at www.saecowilson.co.nz/termsandconditions-gates-promotion Worth \$5,500!







**DRIVEN BY POSSIBILITY** 

### **POWERGRIP™ GT4™ BELTS:**

# THE LATEST IN SYNCHRONOUS BELT TECHNOLOGY

**AVAILABLE MID 2021** 



### INTRODUCING A NEWLY DESIGNED ETHYLENE ELASTOMER HIGH-TORQUE SYNCHRONOUS BELT.

Discover the superior performance, uptime, reliability and total cost of ownership with Gates PowerGrip<sup>®</sup> GT4<sup>®</sup> belts. Combining advanced materials science and process engineering, Gates introduces a new belt-driven solution for narrower drives utilizing all new materials offering larger temperature range capability, improved chemical resistance and higher power capacity.

The NEW GT4<sup>™</sup> belt delivers improved performance over a wide range of industrial applications. The 8MGT and 14MGT pitches are the optimum choice for high performance drives in the machine tool, paper and textile industries where durability and low maintenance are required.

INDUSTRIES + END MARKETS	APPLICATIONS
Construction + Mining	Heavy-Duty Equipment
Forestry + Agriculture	Fans + Pumps
Textile + Laundry	Conveyor Systems
Stationary Machinery + Tools	Industrial Machines
Pulp + Paper	Compressors
Food Processing	Centrifuges
Packaging + Automation	Horizontal + Vertical Positioning

### **FEATURES + BENEFITS**

# The most advanced combination of materials and technology enable:

- Higher power-carrying capacity giving you the option to use a narrow belt
- No lubrication and no retensioning eliminates maintenance costs throughout the life of the belt
- Larger temperature range capability
- Improved ergonomics less weight reduces fatigue and strain during installation
- Environmentally friendly made without harmful chlorinated compounds

### WHY POWERGRIP<sup>™</sup> GT4<sup>™</sup>?

- Larger temperature range (up to 140°C)
- Higher power capacity for optimum performance
- Improved chemical resistance
- Increased uptime
- Suitable replacement for HTD and GT3 belts (\*width may be reduced)
- Improved ergonomics
- Rust-Ffee + safe for use in food handling spaces
- Reduced environmental risk
- No lubrication + no stretching
- High tooth jump resistance

### **PRODUCT SPECIFICATIONS**

- Standard widths of 20,30, 50, 85mm (8MGT); 40, 55, 85, 115, 170mm (14MGT)
- Fully operational in a wide range of temperatures: -40°F to +284°F (-40°C to +140°C)
- Static conductive (IS09563) and for conditions described in the Directive 2014/34/EU-ATEX

# 0800 338 833

### SAECOVIISON Bearings | Power Transmission | Engineering Supplies



# INDUSTRIAL BELT DRIVE GUIDE

# V-Belts Hi-Power<sup>®</sup> II

 Concave sidewalls, and arched top to prevent dishing, and rounded bottom corners relieve internal stress and help make Hi-Power<sup>®</sup> II the best performing classical section, heavy-duty V-belt on the market



# V-Belts Quad-Power<sup>®</sup> 4

- High temperature raw-edge, notched, narrow section V-belt
- Applications with extreme heat (up to +130°C)
- Need to reduce your
- Pulleys too small for your
- wrapped V-belts?

#### PATENTED CONSTRUCTION

# V-Belts Tri-Power®

NEW

- Gates Tri-Power<sup>®</sup> is a raw edge, moulded notch, classical section V-belt suitable for very high temperatures
- Patiented EPDM Construction
   Some sizes available as Powerbands



XPZ/3VX, XPA, XPB/5VX, XPC

#### Super HC belts feature a narrow cross section construction that can transmit up to 3x the power of a classical belt

**V-Belts** 

Super HC<sup>®</sup>

Pioneered by Gates,

 Suitable for all heavy-duty industrial applications, particularly where space, weight and power capacity are critical

# V-Belts Predator®

- Designed for the toughest, dirtiest and most aggressive applications with unparalleled shock and stretch resistance
- Designed to withstand debris, punctures and slippage
- No stronger V-belt available anywhere!



SPZ/3V, SPA, SPB/5V, SPC, 8V

# V-Belts PowerBand<sup>®</sup>

- PowerBand<sup>®</sup> belts consist of several belts joined together by a tie band running across the back of the belts
- The solution for drives where single belts vibrate, turnover or jump out of the pulley
- Available in all sections including Predator<sup>®</sup>



# V-Belts Micro-V<sup>®</sup>

- Outstanding performance at higher speeds on small diameter pulleys
- Micro-V<sup>®</sup> offers extremely smooth running in a compact drive package





AX, BX, CX



- Ideal for use on machine tools requiring high performance and smooth operation in limited space
- Suitable for high speeds and extremely small pulley diameters



3M, 5M, 7M, 11M





# Synchronous Belts **PowerGrip**<sup>®</sup>

**SAEC** Wilson

Bearings | Power Transmission | Engineering Supplies

Classical synchronous belt, often referred to as a trapezoidal belt due to the tooth profile, offers a maintenance free and economical alternative to conventional drives like chain and gears



# **Synchronous Belts PowerGrip**® GT4<sup>®</sup>

- Larger temperature range capability
- Higher power-carrying capacity giving you the option to use a narrow belt

See page 19 for more information



# Synchronous Belts Poly Chain<sup>®</sup> Carbon<sup>™</sup> VOLT®

- Poly Chain<sup>®</sup> Carbon<sup>™</sup> Volt<sup>®</sup> belts deliver unmatched antistatic performance
- Flex fatigue life of carbon is exceptional, and its high impact strength withstands shocks and surge loading

NEW

•



# Synchronous Belts Long Length

PATENTED

CONSTRUCTION

- Open end synchronous belting especially suitable for linear movement
- Available in rubber and polyurethane and with glass and steel tensile cords
- Special tooth coatings and backings are also available from Gates Mectrol





# **INDUSTRIAL BELT DRIVE GUIDE**



Three kit versions are available with slightly different components included to suit your requirements and budget



# 0800 338 833

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# TECMEN

# FreFlow <sup>™</sup> V3 Respirator Welding Helmet

### Easy Assembly / Different Filter Options

Humanization design, user can change different filters freely.

# Two Airflow Levels Setting / Filter Indicator

Short press the button to switch the airflow between 170L/min and 210L/min. Real-time monitoring filter status and battery capacity.

PART No: AWHTECPAPRV3MB

# **Product Features**

### Flip-up design

Easy lift-up design, ideal for switching between welding and cutting/ grinding mode.

# Large view for grinding

20x12cm area, large and curved transparent grinding anti-fog lens.

### Rechargable Li-ion battery

Rechargeable battery for longer lifetime. Fastcharging options makes charging only 1 hour.



### **Respiratory protection**

Filter efficiency  $\geq$  99.97%, preventing inhalation of dust, pollutants, fine particles as well as other contaminants.

### Intelligent air supply

Respirator will self-adjust the flow rate according to the blockage of the filter automatically.

### **Real-time display indicator**

Filter status / airflow rate / battery capacity indicator for real-time monitoring.

### Auto-alarm system

Flashing indicator, bleeping sound, together with vibrating blower to ensure safety.







# FreFlow V3

**Respiratory Welding Helmet** 

# Flip Up Design With Large View

Easy lift up for grinding function, with 20x12cm large viewing area and curved transparent anti-fog lens.

# **Pivoting Headgear Design**

Adjustable pivoting headgear, with a well-balanced design to provide maximum comfort.

### Side Lens

Shade 5 lens on both sides enables peripheral vision, enhancing operator safety.



Airflow Rate State HIGHSPEED 210lpm

Power ON/OFF

Airflow Rate State LOW SPEED 170lpm

# Filter Efficiency ≥ 99.97%

# ALL IN ONE SYSTEM ALL FOR YOUR SAFETY

PAPR respirator pack purifies airborne contaminants including dust, pollutants, fine particles, welding fumes and metal dust, supplying clean air to the user's facial space.

PART No: V1BM TM3 00 - Respirator Body PART No: V1HO TM3 00 - Hose (including O-ring)



Exclusive FreFlow<sup>™</sup> PAPR respirator system provides eye / face / respiratory protection, meeting requirements for various industrial applications.

# 0800 338 833

# SUPER HOT SPECIALS SAEC Wilson

Bearings | Power Transmission | Engineering Supplies



# SUPER HOT SPECIALS Workbench March/April 2021



# SUPER HOT SPECIALS SAECOWIIson

### Bearings | Power Transmission | Engineering Supplies



# SUPER HOT SPECIALS Workbench March/April 2021



# Celebrating Our 50th Edition of NZworkbench

February 2011 was a time of change for Wilson Bros Ltd and SAECOPRECISION as we had merged our two businesses to form a national company. The bones of our company were solid across our product lines, however one product area was identified as a key area to progress and expand from the bottom of the South Island to the top of the North Island.

Engineering Tools and Consumables was a growing area of interest from our customers and we took steps to expand our range across all branches. To help this process and ensure we were bringing our message of expansion to our customers we quickly realised we needed a platform to showcase our offerings and make new and innovative products more visible.

This lead to Paul Connolly, Steve Thorpe and myself meeting at the SAECOWilson Dunedin branch in February 2011 where we drafted the beginnings of our magazine "NZworkbench". This first edition was 16 pages developed and designed in-conjunction with a local Dunedin

business Cre8ive Marketing and featured Powerbuilt products from Alltrade Tools NZ on the front cover. Our brief was simple: a quality magazine, featuring new products, technical updates and great product specials.

Today NZworkbench is still going from strength to strength and has doubled in size thanks to our loyal suppliers and hugely supportive customers, we thank you for this as we continue forward.

We invite our customers to provide feedback on what you enjoy seeing featured or would like to see more of, by emailing nzworkbench@saecowilson.co.nz

Thank you for helping us reach this significant milestone - 50 issues in ten years, Gregg Blomfield



















kbench

SAECOWI





# Bucket'O'Thins **Cutting Discs 100pc**

- Kronenflex A60TZ Special cut off discs deliver • high aggressiveness and long service life
- Suitable for cutting stainless steel, steel and non-ferrous metals
- A highly effective wheel that truly shines when used for cutting metal sheets, thin pipes or profiles

BUCKET1251 125x1mm • \$228.85 inc gst

# Non-Woven Hand Pads

surface refinement

.50



\$**5.8**0

#### Can be used wet or dry and has a multitude of applications

PADGREEN 150x200x10mm • \$1.73 inc gst

Perfectly suited for deburring, cleaning and

# Zirconia Linishing Belts

- Long-life, high stock removal sanding belts
- Self-sharpening zirconia grain for maximum performance
- Suitable for all metals including stainless steel

LB50X915X40GZ 915x50mm 40g • \$6.67 inc gst LB50X915X60GZ 915x50mm 60g • \$6.67 inc gst LB50X915X80GZ 915x50mm 80g • \$6.67 inc gst LB50X915X120GZ 915x50mm 120g • \$6.67 inc gst

# Metal Cut Off Discs 350mm

- Low speed metal cutting discs, rated to 4,400rpm and suitable for most bench machines
- Special thin disc for universal use
- Suitable for cutting steel, stainless steel, aluminium and castings

KSCO350LS 350x3x25.4mm • \$12.65 inc gst

# Wire Cup **Brushes M14x2**

- Quality Italian made
- Performance and safety tested Twist knot for tough,
- aggressive applications or crimped for lighter deburring, rust removal and surface preparation

MADE IN ITALY

TWIST31420 70mm Twist Knot • \$21.05 inc gst CRIMP31420 80mm Crimped • \$13.80 inc gst



# Longer. Stronger. Yellow.

# **General Purpose Grinding Discs**

- Standard disc with excellent price performance ratio
- For universal use in metal working
- Excellent results on all standard angle grinders

KSGD100 100x16mm • \$2.19 inc gst \$1.90 KSGD115 115x22mm • \$2.42 inc gst \$2.10 KSGD125 125x22mm • \$2.99 inc gst \$2.60

# Zirconia Flap Discs

- Zirconia grit, suitable for stainless steel and aluminium
- Multi-purpose grinding and blending discs
- Convex design with 12° angled backing plate

FD4SMT6 100x16mm 40-120g • \$6.79 inc gst FD4-1/2SMT6 115x22mm 40-120g • \$7.13 inc gst FD5SMT6 125x22mm 40-120g • \$8.40 inc qst

\$5.90 \$6.20 \$7.30

.00

# Nylon Clean and **Strip Discs**

- Special nylon non-woven web, ٠ impregnated with SiC abrasive grain
- Perfect for the removal of heat tinting or blueing, paint and rust
- No clogging due to its open structure

NCD200100 100x16mm • \$21.85 inc gst \$19.00 NCD200115 115x22mm • \$22.43 inc gst \$19.50 NCD200125 125x22mm • \$24.15 inc gst \$21.00 NCD200180 180x22mm • \$39.10 inc gst \$34.00

# Wire Bevel Brushes M14x2

- Conical shape brushes suitable for sideways work on irregular surfaces, edges, profiles and cracks
- Select the twisted wire brushes for tough aggressive applications, or crimped wire for lighter deburring and surface prepration

CRIMPHSD090 90mm Crimped • \$15.99 inc gst CRIMPHSD120 120mm Crimped • \$29.21 inc gst CRIMPHSD150 150mm Crimped • \$30.25 inc gst CRIMPHSD175HD 175mm HD Crimped • \$50.14 inc gst TWISTHSD095 95mm Twist Knot • \$24.15 inc gst TWISTHSD120 120mm Twist Knot • \$35.65 inc gst TWISTHSD150 150mm Twist Knot • \$47.15 inc gst







\$41.00



from Ś 🗲.90

from \$

.90





from \$



**Q.30** 

TWIST31420

CRIMP31420

00



### SAECOVISON Bearings | Power Transmission | Engineering Supplies







- Patented low micron (3µ) 5% MoS2 additive pack ensures compatibility for use in equipment from Caterpillar, Komatsu, Terex, Scania etc
- Prevents scuffing and reduces wear under high load and shock load conditions
- Excellent resistance to high temperatures and water wash-out
- Base oil viscosity 320cSt @ 40°C and a weld load of 600kg/f

 VGLSBT Blue Tack GP EP2 • \$20.13 inc gst
 \$17.50

 VGLSRT Red Tack HD EP2 • \$24.50 inc gst
 \$21.30

 VGLSSM5 Super Moly5 EP2 • \$24.50 inc gst
 \$21.30

GZ42791 Lever Action 150mm Steel Extension • \$44.85 inc gst GZ43160 Pistol Grip 100mm Steel Extension • \$44.85 inc gst GZ42797 Lever Action 300mm Flexi Extension • \$51.75 inc gst GZ42798 Pistol Grip 300mm Flexi Extension • \$51.75 inc gst

cast head

technology - eliminates priming issues

Robust, high tolerance, aluminium die

Minimal wearing parts and non-slip

textured, powdercoated finish for

extended service life

and partially emptied cartridges

Fast and easy reloading without

unscrewing the head - no mess

# 0800 338 833

**11.11E** 

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Moly5

EPZ

RED

Tack

EP2





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\$69.00

\$89.00

\$97.00

**0**.90

\$110.00 \$175.00









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### SAECCVIISON Bearings | Power Transmission | Engineering Supplies







0800 338 833

### **SAEC** Wilson Bearings | Power Transmission | Engineering Supplies

0.50

16

# \$12.80

### Food Grade Silicone Lubricant 284g

- Multi-purpose dry film silicone for food processing and handling applications
- Colourless, odourless, tasteless film Does not attract dust and product debris
- Excellent release and parting agent
- Temperature range -40°C to +200°C
- MPI C15 and NZ AsureQuality
- approved incidental contact

CRC3043 • \$14.72 inc gst



### Food Grade Heavy Chain and Meat Rail Lube 500ml

- Odourless and clear gel, no drip, with high resistance to fling-off at high speeds and temperatures
- Waterproof, splash proof, salt water proof
- Wide temperature range from -35°C to +300°C
- Will not attract dust
- Resistant to non-concentrated acids and alkalis
- Free from silicones, resins and acids
- Will not damage rubber, o-rings and painted surfaces
  - MPI C15 and NZ AsureQuality approved incidental contact



CRC1752351 • \$17.14 inc gst

SPANHAKE ENGINEERING SUPPLIES, KAITAIA 36 Matthews Ave kaitaia@saecowilson.co.nz Ph: (09) 408 0960

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PENROSE 131 Station Road, Auckland penrose@saecowilson.co.nz Ph: (09) 579 3199

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#### Ph: (07) 575 6179 HAMILTON 24 Lincoln Street, Frankton frankton@saecowilson.co.nz

# Ph: (07) 847 8773

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napier@saecowilson.co.nz Ph: (06) 843 0027

#### HASTINGS Unit 1,822 Omahu Road hastings@saecowilson.co.nz

Ph: (06) 876 0345 **NEW PLYMOUTH** 161 Gill Street newplymouth@saecowilson.co.nz Ph: (06) 758 5326

PALMERSTON NORTH 639 Tremaine Ave palmerstonnorth@saecowilson.co.nz

Ph: (06) 356 9561 PETONE 122 Hutt Rd, Petone, Wellington

wellington@saecowilson.co.nz Ph: (04) 568 3189

# Food Grade Chain Lube 340g

- Foaming action for outstanding penetration
- Special blend of mineral oil and synthetic additives Non-drying film penetrates, lubricates and protects
- chain and conveyor systems
- Resists wash-off and sling-off • For use in food and other clean environments where incidental food contact may occur
- Temperature range -20°C to +170°C
- MPI C15 and NZ AsureQuality approved incidental contact
- NSF H1 registered for incidental food contact

CRC3091 • \$22.43 inc gst

# Food Grade CO Contact Cleaner 400ml

#1###5C672391#3###

- Specially formulated, plastic safe, food grade evaporating precision cleaner for use in food manufacturing and processing industries
- Removes light contaminants from electrical and electronic equipment
- Non-conductive, non-corrosive and non-staining
- Highly flammable - use on de-energised equipment
- MPI C22 NZ and AsureQuality assessment for food/beverage including dairy factories with incidental contact

Kaitaia

Auckland

Pukekohe

Hamilton

CRC3102 • \$21.62 inc gst

\$ **1 8**.80

Whangarei

Tauranga

NELSON 79 Quarantine Road, Annesbrook nelson@saecowilson.co.nz Ph: (03) 547 4888

HORNBY

CR®

172 Waterloo Rd, Christchurch hornby@saecowilson.co.nz Ph: (03) 348 7171

### **SYDENHAM**

39B Gasson Street, Christchurch sydenham@saecowilson.co.nz Ph: (03) 379 3732

#### CHRISTCHURCH 227 Annex Road, Middleton christchurch@saecowilson.co.nz Ph: (03) 338 8533

DUNEDIN **15 Thomas Burns Street** dunedin@saecowilson.co.nz Ph: (03) 477 8565

### INVERCARGILL

55 Leet Street invercargill@saecowilson.co.nz Ph: (03) 211 8111

Invercargill





### Dunedin 0800 338 833 www.saecowilson.co.nz

Prices are current for promotional period only and all goods are subject to availability. Where promotional goods are sold out, we will endeavour to locate goods of equivalent value where possible. Prices are subject to change without notice. We have been as accurate as reasonably possible while providing product descriptions and pricings. However, we do not warrant that descriptions or prices are complete, reliable or error-free. Non-stocked promotional goods may be subject to additional freight charges.

CAPRIC SRN



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