

2024/2025 ONE SOURCE CATALOGUE EMEA



Scan the QR code to
access a digital version
of this catalogue.

oneTM
source
LIFT TRUCK PARTS

oneTM source

LIFT TRUCK PARTS

Crown's One Source Lift Truck Parts programme offers high-quality spare parts and accessories for industrial lift trucks.

We carefully select items based on the same quality standards that we set as the standard for manufacturing our own parts.

If you have any questions or problems, please contact eu.parts@crown.com.

Items can be ordered via the Crown Partner Extranet or BaaN.

Please contact your local Crown dealer for more information.

For any questions regarding the warranty, please contact eu.warranty@crown.com.

Since our product portfolio is continuously being optimised and expanded, we reserve the right to make changes at any time without notice. The current version is available on our Partner Extranet.

Please note:

Not all products are available in all published countries. Products may differ from the images.

For vehicle-specific spare parts, please refer to the corresponding parts manuals.

Anything missing?

Please contact eu.parts@crown.com

ONE SOURCE CROWN EMEA

CONTENTS

Service supplies 5

Safety equipment 23

Warehouse 31

Work Assist 49

InfoLink..... 73

Battery and charger 77

Tools..... 109

SERVICE SUPPLIES

CONTENTS

Cleaning	6
Skin protection	8
Maintenance items	8
Tape	9
Cable ties	9
Oils and fluids	10
Accessories for oils and fluids	13
Greases and lubricants	14
Paint	16
Chemicals Retaining compounds	17
Chemicals Lubricants	18
Chemicals Insulators	18
Chemicals Heat sink compounds	18
Chemicals Sealant RTV	18
Chemicals Sealants	19
Gloves	20
Floor mats	21



Cleaning Paper Towels *

#TA0029-BOX

- KIMBERLY-CLARK
- 1 layer
- 42 cm x 24.5 cm
- 150 sheets, perforated, embossed cardboard



2-Ply Cleaning Cloth Roll

#TA0029-022

- 2-ply
- Perforated, 36 cm x 22 cm
- 500 sheets/roll
- For all of your cleaning and wiping needs, cellulose, good grip, very absorbent, fast absorption
- Strong. Increased absorbency due to special embossing and full adhesion of all of the layers



3-ply Cleaning Cloth Roll

#TA0029-038

- 3-ply
- 36 cm x 37.6 cm
- 500 sheets/roll
- Perforated, very absorbent, acid resistant
- Roll of cleaning cloths made of cellulose, removes heavy grease, good grip
- Economical 1,000 sheets



Cleaning Wipes *

#TA0014

- 80 wipes
- Fleece wipes soaked in a highly effective but gentle cleaning solution
- The wipes are textured on one side to increase the cleaning power without adding abrasives
- Adapted to the natural pH value of the human skin
- Scented



Glass Cleaning Spray

#TA0261

- 300 ml
- Powerfully cleans all vehicle windscreens. Ensures streak-free vision and greater visibility and safety on the road. Dissolves and removes nicotine stains, insect splatter, oily residue, grease and dirt thanks to highly effective foam silicone. Suitable for polycarbonate and safe for rubber, paints and plastics.
- For cleaning the inside and outside of vehicle windscreens. Especially after windscreen repairs. Also suitable for all mirrors and headlights in automotive/commercial vehicle applications.



Anti-Corrosion Cleaning Spray

#F806113

- 400 ml
- Silicone and acid-free
- Temperature range: min. -10°C to max. +140°C
- Resin-free
- High corrosion penetration
- Displaces and infiltrates moisture
- Provides lasting protection against future corrosion



Interior Cleaner

#F820317

- 400 ml
- Silicone and AOX free
- Biodegradable, lemon fragrance
- Refreshes colour, gives a silky matte shine, universally applicable to all plastic parts inside the vehicle, prevents rapid resoiling



Electrical Contact Spray

#F806115

- 200 ml
- Density: 0.76 g
- Shelf life from date of manufacture: 24 months
- Cleans electrical contacts of all kinds
- Versatile icing area
- Halogen-free



Label Remover

#818977

- 200 ml
- KONTAKT CHEMIE SOLVENT 50 SUPER
- Label remover with dosing brush Solvent 50 Super comes with a dosing brush and NSF K3 registration for use in food technology
- The optimised formulation provides the highest dissolving power for paper labels and sticky residues of all kinds
- Labels can be removed effortlessly in one go without leaving any residue
- Economical consumption thanks to an insertable spray tube or dosing brush
- NSF registration makes it particularly suitable for use on food shipping crates, scales or labelling machines



Brake Cleaner

#850826

- Removes extreme dirt caused by oil, grease, resin, silicone and corrosion
- Binds and washes away abrasion dust
- Dissipates quickly
- High spray pressure for optimised cleaning even in hard-to-reach places
- 500 ml



N-Hexane-Free Brake Cleaner

#850827

- Excellent cleaning performance with the lowest risk potential
- Binds and washes away abrasion dust
- Reduced risk of fire and problems caused by combustion.
- The latest in cleaning technology
- Lowest risk potential
- Recommended product in accordance with the Hazardous Substances Ordinance (protection level 2)
- 500 ml
- NSF K1 certified
- Lower explosion limit >1.5 vol.%
- Free of n-hexane or aromatics



Crack D Cleaner

#826418

- 400 ml
- Solvent mixture based on a ketone, method C in accordance with DIN EN ISO 3452-2
- Fast-drying
- Flash point active ingredient -19°C
- Suitable for all metals (suitability for plastics must be checked before use)
- Application temperature: -10°C to +50°C
- Aerosol sprayable overhead
- #TA826416 & #826416 are also recommended for FEM testing



ELOClean Scanner Window Cleaning Spray

#833536

- Use to clean ELOKON scanner window
- 200 ml



Elokton antistatic cloth

#833540

- Use to wipe ELOKON scanner window



Elokton Cleaning Set

#833538

- 1x 833536
- 2x 833540



Hand Sanitiser Spray Can

0.25 L
0.45 L

#TA0248-001
#TA0248-002

- Apply a handful of disinfectant (at least 3 ml) to the palm of one hand and rub it into both hands up to the wrist, while also ensuring that it is applied to the spaces between the fingers.
- Wait approx. 30 seconds before rinsing.



Surface Disinfectant

#TA0249-001

- 0.5 L
- Eliminates 99.9% of bacteria, fungi, germs and specific viruses (H1N1, H5N1, flu and gastrointestinal viruses)
- Spray Robbyrob surface disinfectant onto pre-cleaned surfaces and objects until completely wet with spray
- Allow to sit for at least 30 seconds before wiping away
- Allow to sit for 3 minutes before wiping away for maximum effect



Battery and Connector Protection Spray

#363125-001

- 300 ml
- Plastic-safe special grease spray, designed for care and maintenance of vehicle electronics, especially battery poles and electrical connection elements
- Ensures reliable starting and a longer battery life
- High corrosion conditioning, prevents leak currents and reduces contact resistance



Battery Connector Contact Cleaner

#TA0290-001

- 200 ml
- Special precision cleaner for use on electronic devices and components as well as for the thorough cleaning of precision mechanical components.
- Due to its mild cleaning action, this cleaner is particularly suitable for sensitive components or materials, including:
 - Reflectors
 - Precision mechanics (bearings, springs, gear wheels, etc.)
 - Sensitive electronic components



Neutralon

1 l
10 l

#TA0245-001
#TA0245-010

- Neutralises spilled battery acid
- Safe and easy to use due to indication of neutralisation by colour indicator
- Does not corrode paint, rubber, cables, plastics, metals and textiles

Skin protection



Skin Protection *

#TA0010

- 100 ml
- Reinforces the skin barrier, reduces skin stress
- Supports the natural regenerative ability of the skin, O/W emulsion, contains glycerine, witch hazel and panthenol, silicone-free, scented



Hand Lotion *

#TA0012

- 100 ml
- Moisturises the skin and provides it with solids, nourishes with moisturising allantoin panthenol, has an anti-inflammatory effect, and accelerates wound healing, O/W emulsion, silicone-free, scented



Hand Cleaner *

#TA0011

- 250 ml
- Good skin compatibility with strong cleansing power
- Adapted to the natural pH value of human skin
- With olive kernel flour
- Solvent-free
- Greasing
- Soap-free

Maintenance items

For
FEM
testing:
#VM00499
#826416
#826418



Distilled Water

5 l	#TA0062-005
20 l	#TA0062-020



Crack D Developer

#VM00499

- 400 ml
- Solvent-based developer for penetrant material
- Testing red and fluorescent, type d and e
- Complies with EN ISO 3452-1
- Fast-drying
- Operating temperature: -30°C to +50°C
- Aerosol sprayable overhead
- #826416 & #826418 are also recommended for FEM testing.



Crack D Penetrant

#826416

- 400 ml
- Water- and solvent-washable dye penetrant, red and fluorescent
- Type III in compliance with DIN EN ISO 3452-1
- Mineral oil free, glycol based
- Suitable for all metals (suitability for plastics and ceramics must be checked before use)
- Contains NO AZO dyestuffs
- Operating temperature:
- System IIIAc, IIIAe, IIIEe: from +10°C to +50°C
- System IIICe: from -10°C to +50°C
- Very good biodegradability in accordance with EN ISO 9888
- Aerosol sprayable overhead
- #VM00499 & #826418 are also recommended for FEM testing.

Tape



Tape, Crown

#MA0207

- Crown packaging adhesive tape
- 75 mm x 66 m



Electrical Tape

#061000-020

- 3M® Highland
- Vinyl Electrical Tape
- 19 mm x 20.1 m x 0.177 mm



Insulation Tape *

#TA0182

- COROPLAST
- Black
- Length: 10 m
- Width: 15 mm
- Roll
- VDE approval
- Heavy, non-flammable and resistant to ageing in accordance with DIN EN 60454-3-1 F-PVC/105/ATx type 10
- Largely resistant to diluted acids and alkalis as well as to automotive fluids
- High flexibility



Electrical Tape

#380030-053

- 20 m
- Suitable for use for not more than 600 V and not more than 80°C
- UL rated



Tape, 12 mm

#061000-003

- 3M®
- Reinforces corrugated and fibreboard boxes
- Tackles heavy-duty sealing and bundling
- Recommended for "L" clip closures and "C" clip reinforcements
- Excellent abrasion, moisture and scuff resistance
- Clear polypropylene backing reinforced with glass fibre filaments
- Synthetic rubber adhesive



Fusion Tape

#061000-015

- 25 mm x 0.5 mm x 9 m
- Fusion tape is very easy to use and is ideal for wrapping electrical cable splices and terminations
- It provides neat, trim, long-lasting insulation on a wide range of sizes, shapes and materials. Applications are mostly electrical, but fusion tape can be used in a wide variety of areas
- This durable, black elastic tape has excellent electrical properties, water resistance, ozone resistance and corrosion resistance at temperatures ranging from -40°C to and including +100°C and to +130°C for short periods of time



Thread Sealing Tape *

#TA0116

- PTFE sealing tape for fine threads in accordance with DIN EN751-3
- Temperature application range: -240°C to +260°C
- Food safe
- 12 mm wide



Double-Sided Adhesive Tape

#053050-009

- 19 mm x 54 m
- Double-sided adhesive

Cable ties



Cable Tie Kit

Black #TA0176 *
Nature #TA0176-002

- 350 pieces
- Polyamide, black/UV-stable
- Contents:
 - 100 pieces each: 2.5 x 100 mm, 4.8 x 280 mm
 - 50 pieces each: 3.6 x 150 mm, 3.6 x 200 mm, 4.8 x 368 mm



Cable Tie

Size	Black	Nature
100 mm	#051051-007	#051051-001
190 mm	#051051-008	#051051-002
290 mm	#051051-009	#051051-003

1 piece

Low-Temp Hydraulic Oil

#053001-021



- 10 L
- RENOLIN LV 15 HV FST
- Same oil that is poured into the forklift trucks at the factory.
- Original Crown oil only available from Crown
- Zinc hydraulic oil in compliance with DIN 51524-3:HVLDP
- It offers excellent low-temperature properties due to its extremely high viscosity index.
- It contains additives to prevent anti stick-slip effects as well as a fluorescent additive to assist with detecting leaks in the hydraulic system.
- The zinc wear protection system ensures very good AW/EP performance and protects the components even at high loads.
- Due to its high detergent and dispersant capacity, it prevents deposits from binding in the system.

Gear Oil

#053002-016



- 20 L
- RENOLIN UNISYN CLP220
- Fully synthetic industrial gear lubricants based on polyalphaolefins
- Excellent wear protection, high EP performance
- Low foaming
- Good air release capacity
- Very good ageing resistance
- Excellent corrosion conditioning
- Excellent viscosity-temperature properties
- High natural VI (viscosity index)
- Multi-grade character
- Miscible with mineral oil- and ester-based gear oils (lifetime lubrication) allowing for prolonged service intervals
- For high and low operating temperatures
- Very good filterability

Biodegradable Hydraulic Oil

#053001-012



- 20 L
- PLANTOYD 32-S
- Based on sustainable raw materials, >50% by composition
- Good corrosion conditioning
- Rapidly biodegradable in accordance with OECD 301 B >60%
- Multi-grade characteristics (rationalisation of varieties)
- Excellent lubricating properties
- Very good viscosity temperature properties
- Good low-temperature properties
- Highest shear stability
- Natural cleaning ability
- High stability over time
- Excellent wear protection
- Good material compatibility
- ISO 15380: HEES
- European Ecolabel (EEL)
- (Euro Margerite)

80W90 Gear Oil

#363506-001



- 0.9 L
- High performance, multi-purpose gear lubricant.
- Protects in extreme pressure gear conditions encountered in heavy-duty equipment, trucks, farm tractors, passenger cars, earthmovers and construction equipment.
- This oil is recommended where a multi-purpose gear oil or one suitable for API Services, MT-1, GL-5, Mack GO-H, GO-J are required

Hydraulic Oil

#053001-020



- 10 L
- RENOLIN FST 32
- Same oil that is poured into the forklift trucks at the factory.
- Original Crown oil only available from Crown
- Hydraulic oil with detergent/dispersant properties
- It reliably prevents the occurrence of stick-slip problems, especially during slow movement.
- Contains UV additives for easy leak detection.

Anti-Stick Slip Can

#053001-010



- 5 l
- RENOLIN ANTI-STICK-SLIP
- Universal anti-stick-slip additive
- Adding approximately 2% of this additive concentrate to the hydraulic oil considerably reduces the risk of stick-slip
- Prevents stick-slip
- Protects seals and elastomers
- Extremely low coefficient of friction
- Minimises the risk of jerky cylinder movements
- Forms stable lubricating films
- Good miscibility with mineral oils and polyalphaolefins
- Easy handling

Steering Gear Oil

#053002-004



- 20 L
- TITAN GEAR HYP SAE 90 is a mineral gear oil for axle and hypoid transmissions calling for API GL-5-performance
- This formulation has a solid performance record with many OEMs

TITAN SINTOPOID LS 75W-90

#053002-006



- Low temperature transmission mechanical steering fluid



10W30 Motor Oil

#363500-001

- 0.9 L
- Superior high quality, multi-viscosity and fuel-efficient motor oil which exceeds manufacturer warranty requirements.
- Provides the highest API performance level available for petrol engines.
- Exceeds US car and truck warranty requirements.
- Thermal stability to combat sludge build-up.
- Anti-corrosion and anti-foam additives



Brake Fluid DOT 4

#053059-002

- 1 L
- MAINTAIN DOT 4
- Super high-performance brake fluid for hydraulic brake systems and clutch actuation in passenger cars, lift trucks and motorcycles
- Additional protection against high-temperature vaporisation
- Protects the entire hydraulic brake and clutch actuation system against deposits and corrosion



Automatic Transmission Fluid

#363503-001

- 0.9 L
- Premium transmission fluid provides transmission protection, smooth shifting and long service life.
- Meets the requirements of most US and import specifications.
- Recommended for use in cars & light truck automatic transmissions where Dexron® III or Mercon® fluid is specified.
- Meets Allison C-4, ZF TEML 14 Heavy Duty



Brake Fluid DOT 5

355 ml
3.7 L

#063004-002
#063004-003

Premium brake fluid that meets all required specifications for use in Crown lift trucks



Universal 10W30 Motor Oil

#363510-101

- 3.75 L
- UNIVERSAL 10W-30 HEAVY DUTY MOTOR OIL exceeds the demands of API Service Classification CJ-4/CK-4/SN, CI-4 Plus.
- It meets the requirements of Mack EO-O Premium Plus, Volvo VDS-4, Renault VI RDL-3 and Detroit Diesel 93K218 (MBE 4000, MBE 900 engines).
- It is a commercial multi-grade oil for all-season use by fleets with diesel power or a mix of petrol and diesel power engines.
- This oil is designed to perform with currently marketed low and high-sulphur diesel fuels.
- It provides exceptional low temperature flow properties to help cold start, enhanced oxidation stability, excellent TBN retention, superior viscosity retention, deposit control, superior engine protection and durability as well as outstanding soot handling ability.



Screenwash Additive

#TA0199

- 5 L
- Window cleaner with antifreeze for windscreen washer systems
- Improved freeze protection
- Excellent, improved cleaning performance
- Gentle on materials
- Always follow mixing table before use



Coolant

#850692

- 1 L
- GLYSANTIN® G30® is a silicate-free premium coolant from the GLYSANTIN® series.
- This radiator protection agent uses OAT technology. In this process, organic salts are responsible for protection against radiator corrosion.
- The product colour of GLYSANTIN® G30® is pink.

Get an overview of the lubricants that Crown trucks need:

- German #841167-001
- French #841167-002
- Spanish #841167-003
- Dutch #841167-004
- Italian #841167-005
- English #841167-006
- Russian #841167-021

[illegible]



Suction Pump for Oil Testing

#363515-001

Test hydraulic and motor oil



Tube, 30 m

#363515-002



Oil Pan

16 L
7.5 L

#TA0168

#TA0168-002 *

- For changing oil, oil filter and cleaning parts
- Carrying handles
- All-round overflow rim
- Pouring tap



Funnel Kit (6+1 Pieces) *

#TA0140

- PRESSOL
- 50/75/100/120/150/160 mm
- HDPE



Funnel *

#832855

- REILANG
- Sieve
- 250 mm
- Plastic
- Oil-, acid- and fuel-resistant



Plastic Canister

5 l 252 mm × 145 mm × 195 mm #TA0041-5 *

10 l 306 mm × 192 mm × 232 mm #TA0041-10 *

- HÜNERSDORFF
- PE
- UN approved



Measuring Cup *

#TA0218

- PRESSOL
- 1 L
- With protective cover, protective cap, flexible outlet
- HDPE

Full-Protection Eye Protection

#TA0015-002



- HONEYWELL
- EN 166
- Clear frame
- Clear lenses
- PVC
- Polycarbonates
- Dual-coated
- Chemical-resistant
- Fog-free
- Indirect ventilation



Amber UV Eye Protection

#363200-008

Yellow lenses



Renolit MP Plus Grease

#053002-001

- 500 g
- Same grease that is applied in the factory to the forklift trucks
- Excellent adhesive properties
- Resistant to ageing
- Water-resistant
- Excellent corrosion conditioning
- Mechanically resilient
- Storage period: 36 months
- Use with grease gun TA0046-005 or TA0285, see page 134



Heavy Duty Grease for Salt Water Applications

#053002-013

- 500 g
- RENOLIT CX-HT 2 features excellent operating stability, good anti-wear properties, extremely good EP resistance and outstanding anti-corrosion conditioning even in the presence of salt water
- Application especially for corrosion and wear protection requirements in conjunction with higher temperatures
- High flex stability
- Very good wear protection
- Good corrosion conditioning
- Good water resistance
- EP-resilient
- Use with grease gun TA0046-005 or TA0285, see page 134



Renolit MP Low Temp. Grease

#053002-005-01

- 400 g
- Service temperature range: -40°C to +140°C
- Same grease that is used in the factory for the forklift trucks
- Appropriate for freezer application
- Excellent adhesive properties
- Resistant to ageing
- Water-resistant
- Excellent corrosion conditioning
- Mechanically resilient
- Storage period: 36 months
- Use with grease gun TA0046 or TA0285, see page 134



MOLYKOTE BR2-Plus Multi Purpose Extreme Pressure Grease

#063002-024

- 400 g
- Extreme-pressure bearing grease
- Appropriate for ball bearings, roller bearings, sleeve bearings, swivel joints, metal-to-metal, spindles, splines and shafts
- Recommended for use in mast channels



Food-Grade Multi-Purpose Grease

#TA0262

- 400 g
- Advanced food-grade grease specially formulated for the toughest food processing applications
- Provides outstanding protection against wear and water washout over a wide range of operating temperatures
- Meets the highest food industry safety standards
- Temperature range: -4°C to +200°C



Spline Grease

#127801S

- 28 g
- Synthetic spline grease with PTFE & MoS2
- Use specifically for Crown lift pump motor spline connections



Battery Terminal Grease

#TA0090

- Adhesive strength
- Water-repellent
- Application temperature -30°C to +60°C



Cooper Spray

#TA0042

- 300 ml
- AOX and silicone-free
- Shelf life from date of manufacture: 24 months
- Temperature range min. -40°C/max. 1,200°C
- Resistant to water
- Provides long lasting protection against seizing, cold welding, wear, corrosion and fretting corrosion



High-Performance Lubricant

#F806112

- 500 ml
- HHS 5000
- Extremely temperature-resistant full synthetic creep oil with PTFE



Lubricant Spray

#F806114

- 500 ml
- HHS 2000
- Extremely high-pressure resistant part synthetic oil



Food Lubricant Spray

#TA0263

- HHS 2000 Plus
- High-pressure-resistant lubricating oil with excellent adhesion properties
- Free of microplastics
- Silicone, resin and acid free, n-hexane free



Battery Connector Contact Lubricant

#TA0290-002

- 200 ml
- Excellent lubricating and anti-corrosion properties of Vaseline with the application advantages of a spray can
- Suitable for battery terminals
- Apply to cable clamps and screw connectors
- Appropriate for electrical contacts



Rexoil Chain Lubricant Spray

#824805

- 400 ml
- Rexoil high-performance chain lubricant spray from REXNORD
- Excellent corrosion conditioning
- Proven for lift trucks, conveyor systems, packaging machines, textile machines, etc.
- Food, beverage and packaging industry
- Excellent creep and lubrication properties
- Safely dissolves lubricant residues
- Has the ability to infiltrate and displace water
- Free of silicone and Teflon
- Suitable for applications from -10°C to +150°C
- Easy and convenient to use due to extended spray head
- CFC- and CPC-free
- NSF H2 approval
- DIN EN ISO 14001

Paint



Paint Aerosol Cans, 400 ml

Crown 90 Orange	#835256-002
Crown 88 Dark Grey	#835256-007
Crown 94 Med Grey	#835256-008
Crown 94 Beige	#835256-009
Crown 88 Blue	#835256-010
Crown Alpine White	#835256-025
Crown Crystal Silver	#835256-029
Crown Control Orange	#835256-031
Crown Bright Beige	#835256-033
Crown Medium Silver	#835256-037

Not available to be shipped by air.



Paint cans, 1,000 ml

Crown 88 Dark Grey	#850691-007
Crown 94 Med Grey	#850691-008
Crown 94 Beige	#850691-009
Crown Bright Beige	#850691-033



Colour sample for DS 3200

1	Crown Control Orange	#835256-031
2	Crown Bright Beige	#835256-033
3	Crown 88 Dark Grey	#835256-007
4	Crown 94 Med Grey	#835256-008

Here you find an example of the colour scheme for a DS 3200.
For the exact colour scheme for a special Crown lift truck, please refer to the service manual or contact your service provider.



Adhesive DEVCON Zip-Grip

#061001-004

- 14 g
- Suitable for bonding plastics, rubber, metals and dissimilar substrates. Adhesive sets in seconds and provides a durable bond. Resistant to ageing and weathering. Low viscosity for close-fitting parts. Suitable for grommets and pedal pads



HERNON Instant Bond 113 General Purpose Adhesive

#061001-007

- 25 ml
- This thin liquid is suitable for close tolerance bonding of a wide variety of materials
- Use on self tapping screws



2K High-Performance Adhesive

#TA0257

- PROMAT CHEMICALS
- 50 g
- Milky
- Double cartridge
- For high strength bonding of metal, stone, plastic, ceramics, etc.
- Use in combination with TA0153
- **Not available to be shipped by air.**



LOCTITE 425 Instant Adhesive

#061004-028

- 20 g
- Cures within two minutes on plated metal and plastics fasteners with full strength in 24 hours
- Use for tamper proofing the heads of screws or potentiometers



LOCTITE 454 Instant Adhesive

#TA0265

- 20 g
- Universal gel instant adhesive
- Does not flow or drip
- Perfect for all quick repairs
- Ideal for overhead work and vertical surfaces
- Does not absorb, suitable for bonding porous/highly absorbent materials
- Bonds wood, metal, ceramics and most plastics to and with each other



LOCTITE 609 and 680 retaining compounds

LOCTITE 609 Press Fit
0.5 ml #061004-025
10 ml #061004-009

LOCTITE 680 Slip Fit
0.5 ml #061004-027
50 ml #061004-022



LOCTITE 638 High Strength Joining Adhesive

#TA0266

- 10 ml
- Tolerates minor surface contamination, even from industrial oils
- High strength when applied to all metals, even passive materials (e.g. stainless steel)
- High temperature resistance
- Ideal for parts used in gearboxes, engines, or similar applications
- DVGW approval (EN 751-1): NG-5146AR0619
- P1 NSF Reg. No.: 123010
- WRAS approval (BS 6920): 0511518



3M® Scotch-Weld Epoxy Adhesive

#146112

- DP420 Black
- High-performance, two-part epoxy
- Adhesive offering outstanding shear and peel adhesion and very high levels of durability
- High shear strength
- High peel strength
- Outstanding environmental performance
- Easily mixable
- 20 minute bonding time

Chemicals | Lubricants



Permatex 133K Anti-Seize Lubricant

#065005-003

- 230 ml
- Heavy duty and formulated not to evaporate and harden. It contains a heavy duty blend of aluminium, copper and graphite
- Designed to prevent galling, corrosion and seizing of mated parts
- Withstands salt, corrosion and moisture
- For use in assemblies up to 871°C
- Meets Mill Spec #907E

Chemicals | Insulators



Silicone Dielectric

#063002-018

- 155 ml
- Insulator and bushing flashover protectant
- Good resistance against oxidation, moisture and salt spray



Electrical Insulating Paste

#053051-006

- 100 g
- Contains silicone
- Provides moisture barrier
- -20°C to +200°C
- Applications: electrical assemblies and terminals, cable connectors, battery terminals, and rubber and plastic O-rings

Chemicals | Heat sink compounds



Silicone Heat Sink Compound

#063002-029

- 140 ml
- Appropriate for thermal coupling of electrical/electronic devices to heat sinks
- High thermal conductivity, low bleed and stable at high temperatures
- White grease-like silicone densely filled with heat-conductive metal oxides
- Use on Access II and III traction control modules



Heat Sink Silicone Compound

#093983

- 28 g
- Extra high-efficiency heat transfer compound
- Use on heat sink assemblies, SCR panels, contactor panels, freezer heaters and limit switch assemblies

Chemicals | Sealant RTV



Sealant Multi, DOW CORNING

#065031-005

- 88 ml
- 734 Flowable Sealant
- 100% silicone rubber
- Self-levelling consistency
- Flexible, long-lasting seal
- Extreme temperature performance
- Applications: making formed in place gaskets, filling minute cracks and crevices, sealing electrical equipment, sealing threads, coating fabrics and encapsulating small components
- Use on heaters in freezer applications



LOCTITE SF 7471 Primer

#061004-002

- 133 ml
- LOCTITE SF 7471 Locquic Primer T increases the cure speed of LOCTITE anaerobic products
- Especially recommended for applications with passive metals or inert surfaces and with large bond gaps
- Use of activator is particularly recommended for cure conditions below 15°C



LOCTITE SF 7649 Primer

#TA0267

- 133 ml
- LOCTITE SF 7649 Primer N is a solvent-based primer that provides very long on-part life
- Use to speed the cure of all LOCTITE anaerobic products and ensure a proper cure on inactive metals
- Ideal for cure conditions below room temperature



LOCTITE 7066 Primer Spray

#053050-035

- 400 ml
- LOCTITE 7066
- Cleaner and degreaser for parts machines and surfaces before bonding
- Solvent-based universal parts cleaner
- Ideal for pre-treatment before the application of adhesives and sealants
- Leaves no residue



LOCTITE Thread Sealant

LOCTITE 569 High Strength Hydraulic Sealant
50 ml #061004-011

LOCTITE 565 PST Pipe Sealant
50 ml #061004-023



Marker

#TA0076

- 50 ml
- WIKO Screw Locking Varnish is a conventional security and marking lacquer; use for marking the screw connection between the overhead guard and chassis
- It makes changes in the screws easy to detect



LOCTITE Thread-Locking Adhesive

LOCTITE 271 High Strength
0.5 ml #061004-019
10 ml #061004-010

LOCTITE 242 Medium Strength
0.5 ml #061004-026
10 ml #061004-012



LOCTITE 518 Liquid Gasket

50 ml #061004-030
300 ml #061004-015

- LOCTITE 518
- Flange Sealant: preferred sealant for aluminium flanges



LOCTITE 574 Flange Sealant

#805044

- 50 ml
- Fast curing, provides resistance to low pressures immediately after flange assembly



Form-A Sealer Gasket Liquid

#065005-001

- 470 ml
- Resists hot and cold water, antifreeze, glycerine, fuel oil, kerosene, butane and other fluids
- Pressure resistant and leakproof to high-octane petrol, grease and lubricating oils
- Applied as liquid, changes to paste in a few seconds



LOCTITE MR 5009 Hi-Track Gasket Sealant

#065005-002

- 470 ml
- Red-coloured, liquid sealant that holds gaskets in place during assembly
- Seals and bonds rubber, cork, paper, felt, metal and asbestos gaskets
- Sets quickly to a very tacky film



Seal Fluid

#805236-001

- 100 ml
- Silicone-based sealant
- Black
- Suitable for valve covers, oil pans, water and oil pumps, differential housings, etc.

Nylon Gloves, Grey

M	#TA0121-009
L	#TA0121-010
XL	#TA0121-011

- STRONGHAND
- 12 pairs
- Grey/black
- Fine knit
- Seamless
- Micro-PU/nitrile foam palm coating
- Breathable
- Liner in stretch design
- Flexible and comfortable to wear
- Very good tactile sensation
- Secure grip of smooth objects
- Good resistance to oils and greases

Nitrile gloves with raised texture

M	#TA0122-009
L	#TA0122-010
XL	#TA0122-011

- STRONGHAND
- 12 pairs
- Grey/black
- Fine knit
- Seamless
- Micro-PU/nitrile foam palm coating
- Breathable
- Liner in stretch design
- Flexible and comfortable to wear
- Very good tactile sensation
- Secure grip of smooth objects
- Good resistance to oils and greases

Nitrile Gloves, Yellow

L	#TA0003
XL	#TA0007

- 12 pairs
- Polyester/nitrile
- Conforms with Cat. II, EN 388 standards

White Work Gloves

L	#TA0004
XL	#TA0008

12 pairs

Grain Leather Gloves

L	#TA0005
XL	#TA0009

- Cow-hide leather
- Conforms with Cat. II, EN 388 standards

Leather Gloves for Welding

#TA0021 (one size)

- One pair of welding gloves
- Cowhide, full/split leather
- Unlined
- Natural
- Complies with regulations: EN 420, EN 388, EN 407, EN 12477-A: EN 420, EN 388, EN 407, EN 12477-A

Stronghand Nitrile Gloves

Orange	7	#TA0192-007
Orange	8	#TA0192-008
Orange	9	#TA0192-009
Orange	10	#TA0192-010
Orange	11	#TA0192-011
Black	11	#TA0222-011

- One-way glove
- 50 pieces
- Nitrile
- Strong
- EN 388, EN 374, Cat. III
- Powder-free
- Food grade
- Excellent grip and support thanks to waffle pattern
- High resistance
- Can be used pulled inside out
- Latex-free

Battery Acid-Resistant Gloves

8	#TA0048-M
9	#TA0048-L
10	#TA0048-XL

- ASATEX
- EN 388, EN 374, Cat. III
- Neoprene/latex
- Fully coated with cotton flocking
- Oil- and grease-repellent
- Chemical-resistant
- Food-safe

Nitrile Gloves

M	#TA0191-009
L	#TA0191-010
XL	#TA0191-011

- SEMPERMED
- One-way glove
- 100 pieces
- Nitrile
- EN 388, EN 374, EN 455 ca. III
- Powder-free
- Food-tested
- Free of latex allergens
- Textured fingertips

Cut-Protection Gloves

Size 8	#TA0235-08
Size 9	#TA0235-09
Size 10	#TA0235-10
Size 11	#TA0235-11

- Standard: EN 388
- Fine knit, seamless
- Cut-protection level in compliance with: EN ISO 13997, Level C
- Breathable
- Optimal grip even in oily environments due to nitrile coating

Gloves

Winter Gloves, Black



M	#300094-001
L	#300094-002
XL	#300094-003

- Crown-branded Integrity Logo
- Lightweight, yet durable for the toughest tasks
- Synthetic leather
- Palm extends life of the glove while the spandex backing provides breathability
- Reinforced fingertips for maximum durability
- Easy slip-on, open-cuff design
- Sold by the pair

Touchscreen Gloves



#MA0077 (one size)

- Crown-branded
- Allows the wearer to operate touchscreens

Cold Store Gloves



S	#TA0034-9
M	#TA0034-10
L	#TA0034-11
XL	#TA0034-12

Electrician Gloves



#TA0289

- 009 size 9
- 010 size 10
- 1.6-mm thickness
- Cat. III – Test voltage AC 1,000 V – Class 0
- EN 60903:2003 PSA III
- Material: special natural rubber compounds for safe electrical protection
- High flexibility for long wearing comfort

Floor mats

Crown-branded mats



60 × 90 cm	#MA0191-001
90 × 150 cm	#MA0191-002
115 × 180 cm	#MA0191-003
90 × 300 cm	#MA0191-004

- Stops dirt and moisture
- Durable nylon surface
- Non-slip rubber backing (NFSI High-Traction)
- PVC free
- Suitable for underfloor heating
- Made in Europe
- EN 14041 Antistatic
- Total weight: 2.48 kg/m²
- Total height: approx. 9 mm
- Dirt-holding capacity: 600 g/m²
- Water absorption capacity: 3–4 l/m²

SAFETY EQUIPMENT

CONTENTS

Eye Protection	24
Face protection	25
Fall protection	25
Hearing protection	25
Breathing protection	26
Safety apparel	27
Lift Truck Safety	28
Wheel chock and blocks	28

Eye Protection



Eye Protection Amber UV

#363200-008
Yellow lenses



Solus Eye Protection *

#TA0015
• 3M®
• EN 166, EN 170-1FT (AS/AF/UV)
• Black/orange frame, PC, clear lenses, Cat. 2

Top-seller!



Visitor Eye Protection

#TA0015-1
• Visitor eye glasses
• Lens clear



Daylight One Eye Protection

#TA0024
• Promat
• Tinted lenses
• EN 166
• Scratch-resistant
• 100% UV protection up to 385 N m, fog-free
• Category 2



Wipes for Eye Protection

#TA0101
• Practical box now allowing easy removal of 100 individually packaged wet cleaning wipes
• Suitable for all eyeglass coatings



Eye Protection Amber OTG

#363200-010
Yellow lenses



Full-Protection Eye Protection

#TA0015-002
• HONEYWELL
• EN 166
• Clear frame
• Clear lenses
• PVC
• Polycarbonates
• Dual-coated
• Chemical-resistant
• Fog-free
• Indirect ventilation



Over Glasses Safety

#TA0015-2
• Can be comfortably worn over most corrective glasses
• Clear lenses
• EN 166:20011 FT



Full View Eye Protection

#TA0050
• HONEYWELL
• Fog-free/Scratch-resistant
• 180° field view, clear lenses, EN 166
• 10 pieces



Mirror Surface Eye Protection

#TA0251
• HONEYWELL
• EN 166:2001



Sidecover Glasses

Size Small	#TA0239-SMALL
Size Large	#TA0239-LARGE

• Small in blue transparent lenses
• Large in transparent lenses

Face protection



Acid-Resistant Face Protection

#TA0052

Clear polycarbonate lenses approximately 1 mm thick, foldable, temperature resistance: -30°C to +90°C, DIN EN 166:2001



Electrician Protective Shield

#TA0288

- 2-mm thick polycarbonate
- Chin guard
- Compatible with TA0030
- Provides electricians with protection against faulty switching and class 2 arcing (7 ka)
- Protective shield made entirely of plastic and suitable for use up to 1,000 V
- Tested in accordance with EN 166 + GS-ET-29

Fall protection



Retractable Lanyard

#841701

- Miller TurboLite Edge
- Rated Working Load: 140 kg
- Length: 1.8 m
- EN360 CE Certificate



Full Body Harness

Operator Body height	harness Weight	
155 cm–180 cm	1.1 kg	#848020-001
175 cm–205 cm	1.19 kg	#848020-002

- Edelrid Flexlite
- EN361 Certificate: ANSI/ASSE Z359.11-2014
- Max. operator weight: 150 kg

Hearing protection



Hearing Protection

#TA0194

- 3M®
- EN 352-1 (SNR), 31 dB, headband
- Dielectric, medium capsule design



Hearing Protection in a Box *

#TA0132

- Promat
- Hearing Protection SAFELINE I EN 352-2, reusable, with connecting cord, SNR 25 dB
- Storage box (box for 1 pair)
- Dirt-repellent surface



Hearing Protection

#TA0038

Promat, hearing protection with a high sound dampening value, despite low weight and slim profile – Padded headband, thus very comfortable to wear – Large size adjustment range – Soft and wide sealing rings – Particularly durable quality – Modern design — EN 352-1/(SNR) = 28 dB (A)/H-value = 29 dB (A)/M-value = 26 dB (A)/L-value = 19 dB (A) — Slim capsule design



Breathing Protection Kit *

#TA0045

- 3M®
- Protection against hazards caused by suspended particles in gases, vapours and particles
- 1× half-mask size M
- 2× gas and combination filter A2
- 4× P3R media insert filter
- 2× filter cover
- EN 140



Dust Mask in Box

#TA0254-FFP1-01

- 3M® particle mask
- Protection against non-toxic particles suspended in water and oil
- Filters at least 80% of pollutants from the air
- Sturdy outer shell for greater stability
- Textile headbands for more comfort with exhalation valve



Aerosol Filter

#TA0045-001

- 3M®
- For Protection Mask No. 6055 (for boiling point above 65°C) up to a maximum concentration of 5,000 ppm
- 2 pieces



Surgical Mask

#TA0254-MNS-50

- 50 pieces
- Skin friendly
- 3 filter layers that eliminate microparticles from your surroundings
- Prevents inhalation of bacteria transmitted by others when they cough, sneeze and speak.



Cover for Protection Mask

#TA0045-003

- 3M®
- No. 501
- Filter cover for combining 3M® gas filters with 3M® particle filters
- CE certification
- 2 pieces



FFP2 Mask

#TA0254-FFP2-001
#TA0254-FFP2-10

- 3M® 8810 Breathing Mask
- DIN EN 149:2001
- Double head harness
- Foam padded nose area
- Nose clip made of aluminium



Dust Filter

#TA0045-002

- 3M®
- For protection mask, No. 5925
- 2 pieces
- EN 143:2000+A1:2006, P2R
- Prefilter to gas filter/combination



Respirator Mask, Solo

#TA0045-004


- 3M®
- Bayonet click connection
- Double filter system for reduced breathing resistance and good weight distribution
- Compatible with 3M® safety goggles



First aid service package

First aid service package	#TA0255
First aid kit, 1 pc.	#TA0255-100
Eye wash, 1 pc.	#TA0255-101
Pressure locking bag, 2 pcs.	#TA0255-102
YPSILIN® wound care cleaning set, 1 pc.	#TA0255-103
Disposable cold compress, 2 pcs.	#TA0255-104
Splitter tweezers, 1 pc.	#TA0255-105
Gauze bandage, size M, 1 pc.	#TA0255-106
Bandage, 1 pc	#TA0255-107
Eye compresses, 1 pc.	#TA0255-108
Set of bandages, 1 pc.	#TA0255-109
YPSIPLAST®, band-aids, 1 pc.	#TA0255-110
Aquatic quick bandages	#TA0255-111
ES compression 5×5, 1 pc.	#TA0255-112
Disinfectant gel, 1 pc.	#TA0255-113


- Please note that some products have an expiry date.
- Only available in German and English.



Acid-Resistant Sleeve Guard

#TA0190


- TYVEK
- Elasticised top and bottom
- Certified according to Regulation (EU) 2016/425, partial body protection, category III, type PB[6] EN 1412



Acid Apron

#TA0191


- GUNOVA
- 120 cm x 90 cm
- Black
- Acid-resistant
- EN 467, EN 530, EN 863, EN 369
- Made from strong, resistant foil cut with reinforced welded plastic eyelets



Safety Vest *

#TA0016


Crown-branded, orange



Safety Vest

#TA0016-001


- Yellow
- PVC, polycarbonate



Safety Vest with Zip

#TA0016-002

- Crown-branded
- Orange
- Zip
- PVC, polycarbonate
- Available sizes: S, M, L, XL



Chemical Protection Suit

XL (58/60)	#TA0049-XL
XXL (62/64)	#TA0049-XXL


- CoverChem
- Yellow
- SMMS material
- 3-piece hood, with elastic band, double glueable zip cover, masked chin guard, tight mask closure, thumb loop
- Category III/type 3 (3B) + 4 (4B) + 5 (5B) + 6 (6B)



Safety Helmet Orange

Helmet	#TA0030 *
Chin Strap for #TA0030	#TA0030-001
Forehead Pad for #TA0030	#TA0030-002


- Orange
- Polyethylene
- EN 2397
- 6-point textile strapping
- Push-lock system
- Adjustable forehead band
- 30 mm pocket
- Mounting device for chinstrap



Safety Helmet with Visor

White	#TA0233-001
Orange	#TA0233-002

- Compliant with EN 397 and integrated visor compliant with EN 166
- Polyethylene
- Interior with 6-point webbing and highly absorbent sweatband
- Chinstrap holder
- Head circumference: 51–64 cm
- Weight: 475 g



Welding Protection Blanket

#TA0094

- JUTEC
- JT 600 HAT
- 1,000 mm x 2,000 mm
- Heat contact rating of up to 850°C



Skirt for Welding

#TA0022

- One size
- Calf leather

Lift Truck Safety



Lockout/Tagout Kit (Single Connector Only) *

#300037

- Includes: 10 lockout tags, dual language tags in English/Spanish
- Fits SB and SBX connectors
- Fits 50, 175 and 350 AMP connectors
- Individual items:
 - #300037-002 (Box only)
 - #300037-003 (Lock only)
- Accessories:
 - #300037-025 (Tag Refill Kit, 25 pieces)

Used and recommended by Crown DP Training



Safety Cone

#TA0060

- Height: 500 mm
- Daylight illuminated
- 2 strips
- Weight: 1.20 kg
- 29 cm x 29 cm



Safety Cone, Fold *

#TA0060-001

- Safety cones foldable
- With LED emergency light
- Red



Clamp *

500 mm x 120 mm
300 mm x 140 mm

#TA0053
#TA0054

Promat



Lockout Bag *

#843750

- For securely covering battery connectors, etc.
- With cord to close and lock
- Material canvas
- "Lockout for Safety" printed on bag

#300037-003

Lock only

Wheel chock and blocks

Wheel Chock



Wheel Chock, Small

#340094-001

- 3" x 2.5" x 3" (approx. 7 cm x 6 cm x 7 cm)



Blocking Outrigger, Large

#340094-002

- 5.8" x 3.6" x 9.5" (approx. 15 cm x 9 cm x 24 cm)



Wheel Chock *

#340094-003

- Approx. 13 cm x 10 cm x 20 cm
- 1.93 kg

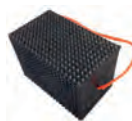


Wheel Chock, 2 Pieces *

#340094-004

- Approx. 10 cm x 8 cm x 6 cm
- 0.75 kg

Blocks



Block, Composite *

#061144

- Pyramid-surfaced
- Approx. 15 cm x 17 cm x 25 cm
- 6.93 kg



Block, Composite *

#061143-001

- Mast block, short
- Approx. 10 cm x 10 cm x 56 cm
- 5 kg

#061143-002

- Mast block, long
- Approx. 10 cm x 10 cm x 122 cm
- 11.34 kg



Block, Composite *

#061141

- Outrigger block
- Approx. 9 cm x 6 cm x 15 cm

Used and recommended by Crown DP Training

Wheel chock and blocks



Block Composite, Pyramid-Surfaced *

#061144



Block, Composite

#061142-001

- Block Panto RD
- Approx. 9 cm x 6 cm x 23 cm
- 1.53 kg

#061142-002 *

- Outrigger Block
- Approx. 9 cm x 6 cm x 33 cm
- 2.36 kg

Ramp



Ramp *

#340094-005

- Pyramid-surfaced
- 50 cm x 18 cm x 2.5 cm
- 3.15 kg

Forklift jack



Hydraulic Lift Truck Jack with Two Stands

#340580

- 3,990 kg capacity
- Spring-loaded lowering knob for safety

Lift Truck Jack *

#340582



Set of Two Lift Truck Stands

#340581

- 7 t capacity per set of two



High Capacity Lift Truck Jack

#340584

- 6,350 kg capacity
- Note: 1-year warranty



Lifter *

#TA0069

- UNICRAFT
- HMH 5 hydraulic machine jack
- 5,000 kg

Crown recommends each technician carry the following...

Qty	Description	Part No.
2	Block, pyramid-surfaced	#061144
2	Mast block, short	#061143-001
2	Mast block, long	#061143-002
2	Chock	#340094-003
2	Chock	#340094-004
2	Clamp 500 mm x 120 mm	#TA0053
2	Clamp 500 mm x 120 mm	#TA0054
1	Ramp (optional)	#340094-005

WAREHOUSE

CONTENTS

Bollard	32
Bumper	34
Rack guard.....	36
Rack end barrier	38
Alarm Bar	40
Mobile workstation	42
Radio data terminal	44
How it works Work Assist interface with RAM® Mount system	46
Barcode scanner	47

Bollard 130 mm

#851598



A-SAFE bollards are a multi-functional product used extensively in industrial, commercial and public environments.

Monoplex bollards are designed to protect structures and equipment from impact damage, and provide a robust physical presence to prevent access or guide vehicles and pedestrians.

Strong, durable and highly visible, A-SAFE's Monoplex bollards permanently reinforce a driver's attention to safe driving and act as guidance along traffic routes.

Advantages of MONOPLEX bollards

- Elimination of the need for the steel base plate, since the entire MONOPLEX bollard is made of a durable plastic mixture called MONOPLEX.
- The MONOPLEX material is particularly resistant to wear, tear and damage. The MONOPLEX bollard is able to withstand multiple impacts and return to its natural position.
- Eliminating the steel floor plate offers economic advantages when working in plants where corrosive materials are used for cleaning purposes and stainless steel floors are required.
- The MONOPLEX bollard reduces repair costs, downtime and potential production interruptions by protecting valuable assets, buildings and loading stations from accidental vehicle collisions.
- The durability and low maintenance requirements of MONOPLEX bollards lead to significant cost savings over the long term compared to bollards that need to be frequently repaired or replaced.
- It has been tested in accordance with the PAS13 global specification, which defines guidelines for safety barriers in the workplace
- Tested by TÜV NORD.

o 5,800 Joules MONOPLEX bollard 130 mm

Monocast, 3 layer construction

The secret to the extreme strength and flexibility of the Monoplex bollard is in the unique, triple-layered, monocast construction.

Impact zone

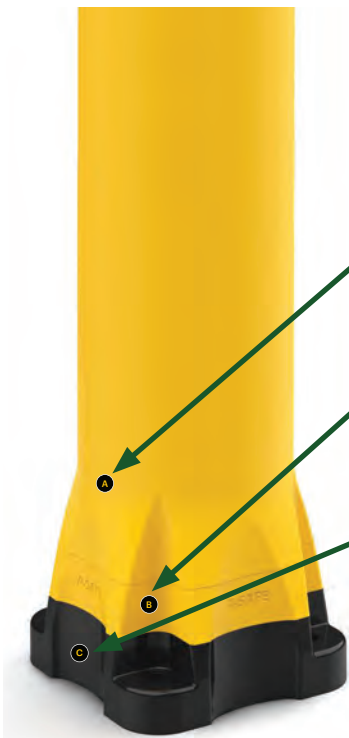
Engineered for maximum impact resistance and shape recovery, the impact zone takes the initial shock of impact.

Shock-absorption zone

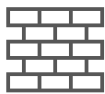
Impact energy is then transferred and dissipated within the patented, ultra-flexible shock-absorption zone.

Stability zone

The stability zone combines extreme tensile strength with just the right amount of elasticity to dissipate the remaining impact energy.



Monoplex bollard 130 mm* – Suitability Application



Corridor and wall protection



Building and equipment protection



Column protection

Vehicle



Electric pedestrian stacker



Manual pallet truck



Electric reach truck



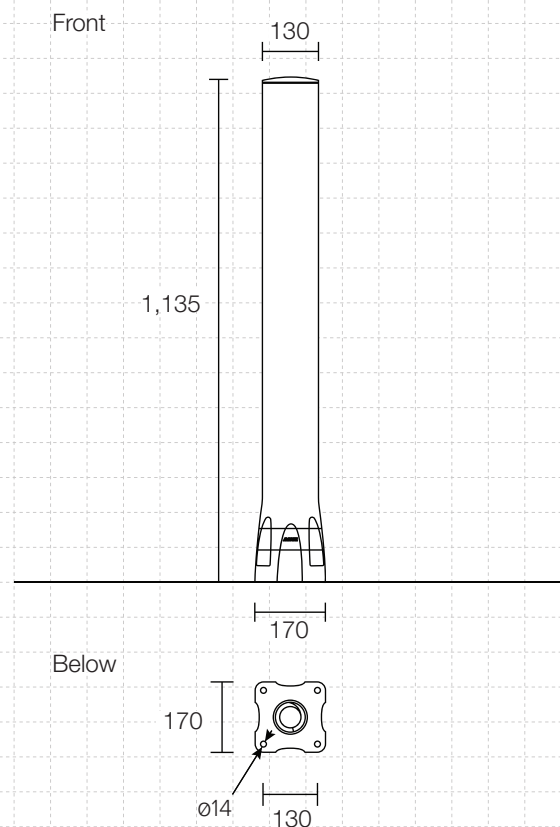
Lightweight counterbalance FLT



Horizontal order picker

Technical information

Dimensions (mm) Monoplex bollard – 130



Colour combinations



Standard yellow
RAL 1007*
PANTONE 7548*

Standard black
RAL 9005*
PANTONE Black

*Please note that the RAL and PANTONE colours listed are the closest match to standard A-SAFE colours, but may not be exact matches of the actual product and should be used for guidance only

Material properties

MONOPLEX™

Temperature range	-5°C to 40°C
Ignition temperature	>200°C
Toxicity	Not hazardous
Static rating (surface resistivity)	10 ¹¹ –10 ¹⁴ Ω
Hygiene seals	No

Bumper

Step Guard 900 mm

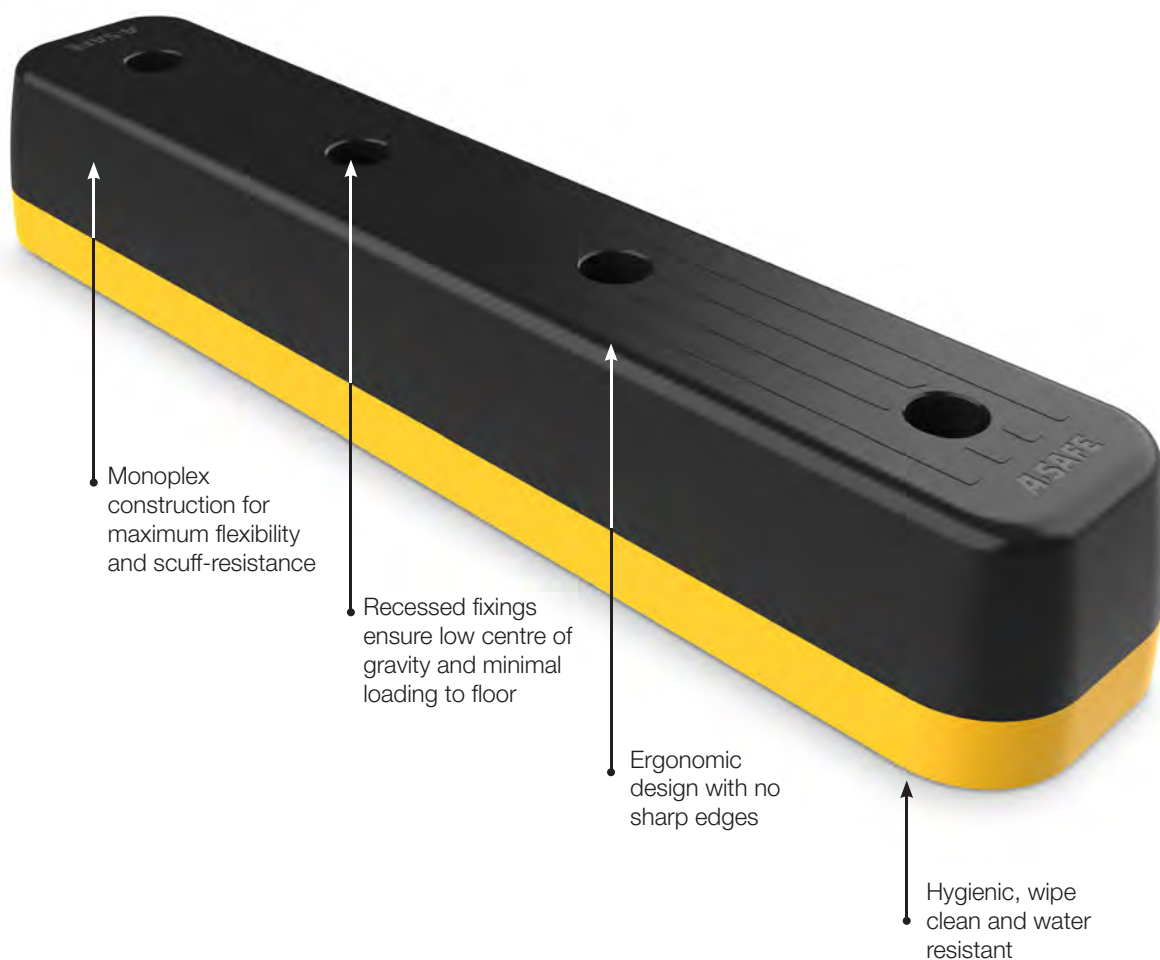
#851599

Other lengths on request



The step guard offers unprecedented heavy-duty low-level protection that prevents injuries and damage in vehicle charging areas, goods holding areas and pedestrian walkways.

The dangers in these areas of the workplace can lead to pedestrian injuries, damaged infrastructure and costly downtime.



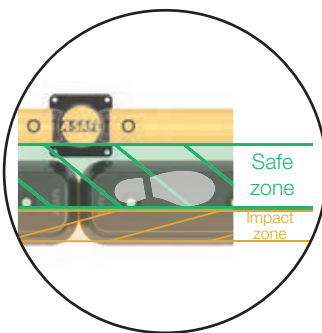
Features and benefits



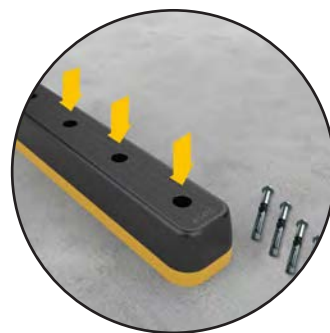
The twin layered Monoplex product offers a softer upper layer which dissipates energy whilst the lower harder layer provides rigidity around the fixing holes. This ensures the step guard remains strong under impact and distributes energy across the product, reducing the risk of damage and minimises the risk of fixings pulling out of the ground.



Monoplex is a new material innovation that is revolutionising impact protection in industrial workplaces worldwide. Precision-engineered and produced in the UK using state-of-the-art materials and manufacturing technology, Monoplex safety products offer unprecedented levels of versatility, durability and performance across multiple impacts.



This figure shows a safe zone created by the rigidity of the step guard. In the eventuality that a vehicle continues to move after the driver has dismounted.



The step guard is easy to install with a maximum of 4 x M16 – OD24mm bolt type head fixings (1,200 mm version) per step guard. This means that the product can be installed or replaced quickly with a minimum amount of disruption on site.

Technical information

Material properties	MONOPLEX™
Temperature range	5°C to 40°C
Ignition temperature	>400°C
Flash point	350°C to 370°C
Toxicity	Not hazardous
Chemical resistance	Excellent – ISO/TR 10358
Weathering stability (grey scale)	5/5*
Light stability (Blue Wool Scale)	7/8**
Static rating (surface resistivity)	1,015–1,016 Ω
Hygiene seals	No

* Weathering scale 1 is very poor and 5 is excellent

* Light stability scale 1 is very poor and 8 is excellent

Product weights		
Step Guard 900	14 kg/31 lbs	15,800 Joules

Colours	
TOP LAYER	TOP LAYER
Standard black RAL 9005* PANTONE Black	Standard yellow RAL 1007* PANTONE 7548*

Tested impact energy

15,800 Joules

Equivalent vehicle and speed

6.4 tonne

X

8 km/h impact

90° impact on step guard

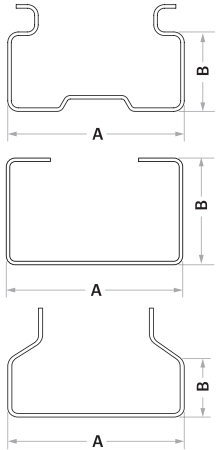
Rack guard

Rack guard 400 mm

#851600-001 RackGuard (S)SL
 #851600-002 RackGuard (S)ML
 #851600-003 RackGuard (S)LL
 #851600-004 RackGuard (S)SLR
 #851600-005 RackGuard (S)MLR
 #851600-006 RackGuard (S)LLR
 #851600-007 RackGuard (L)SL
 #851600-008 RackGuard (L)SLR

Cold store version and or 600 mm length on request

RackGuard profiles RackGuard sizes

	Description	A-rack width (max)	B-rack depth (max)
	RackGuard (S) SL	102	44
	RackGuard (S) ML	102	68
	RackGuard (S) LL	102	80
	RackGuard (S) SLR	85	45
	RackGuard (S) MLR	85	68
	RackGuard (S) LLR	85	80
	RackGuard (L) SL	126	75
	RackGuard (L) SLR	112	75



RackGuard protectors absorb and deflect impacts, transferring energy around the rack leg rather than through it, preventing damage to uprights and maintaining the structural integrity of racking systems. Frictional grip points ensure a secure fit to any sized rack leg. RackGuard is supplied with a specially developed tool kit for ultra-fast installation.

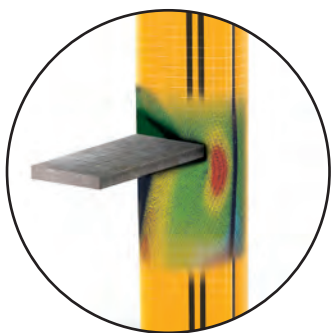
Ultra-low maintenance material is chemical and water-resistant, non-corroding, non-scratch and self-coloured, so no repainting, rusting, flaking or corrosion.

Huge return on investment from incident prevention and downtime avoidance as barriers, vehicles, floors and equipment do not need replacing or repair.

Features and benefits



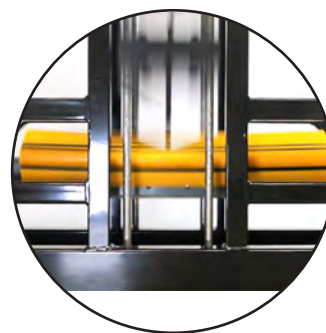
A rubber compression hinge provides added strength under impact, improving performance and longevity.



Molecular reorientation during manufacturing creates a unique built-in memory that enables the RackGuard to fully recover following impacts.



RackGuard is supplied with a specially designed tool kit to ensure it can be installed and removed easily.



RackGuard has been rigorously tested to fully comply with the highest standards for storage equipment, including EN 15512, EN 15635 and the Australian standard AS 4084. Furthermore, testing has been independently verified by TÜV Nord—one of the world's leading independent test organisations—for total peace of mind.

Technical information

Material properties	MEMAPLEX™
Temperature range	-10°C to 50°C
Ignition temperature	370°C to 390°C
Flash point	350°C to 370°C
Toxicity	Not hazardous
Chemical resistance	Excellent – ISO/TR 10358
Weathering stability (grey scale)	5/5*
Light stability (Blue Wool Scale)	7/8**
Static rating (surface resistivity)	1,015–1,016 Ω
Hygiene seals	No

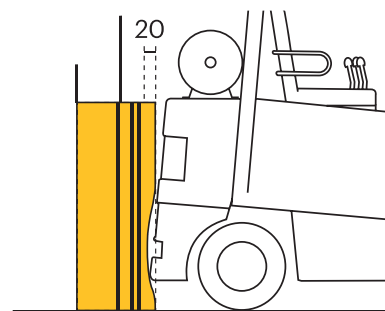
* Weathering scale 1 is very poor and 5 is excellent

* Light stability scale 1 is very poor and 8 is excellent

Impact test

Max. energy (Joules) **1,000**

Deflection at max. energy 20 mm



Tested impact energy

1,000 Joules

Equivalent vehicle and speed



3 t

X

**3
km/h
impact**

90° impact on RackGuard

Rack end barrier

eFlex Single Rack End Barrier

#851602-001 Rack End Barrier 1,100 mm length
#851602-002 Rack End Barrier 1,200 mm length
#851602-003 Rack End Barrier 1,300 mm length
#851602-004 Rack End Barrier 2,400 mm length
#851602-005 Rack End Barrier 2,500 mm length
#851602-006 Rack End Barrier 2,600 mm length

Other lengths on request



Designed to protect the end of racking aisles where turning vehicles and equipment can impact vulnerable racking structures. The Single Rail version will absorb and deflect repeated contact from vehicles with lower centres of gravity, preventing damage to racking systems.

The circular end posts provide enhanced protection at the barrier ends which are most susceptible to impact. Innovative spinning collars further deflect and dissipate impact forces.

Features and benefits



Self coloured and UV stabilised for continued high visibility and long-lasting aesthetics with no repainting.



Rotating wear collars deflect force from repeat glancing blows preventing expensive on-going maintenance costs.



Memaplex™ advanced strength polymer created from an exclusive composition of the most sophisticated polyolefins and rubber additives, expertly blended for unequalled strength and flexibility.



Ultra-low maintenance material is chemical and water resistant, non-corrosive, non-scratch and self coloured so no repainting, rusting, flaking or corrosion.

Rack end barrier

Suitability

Vehicle



Lightweight counterbalance FLT



Electric pedestrian stacker



Electric pedestrian truck



Manual pallet truck

Application

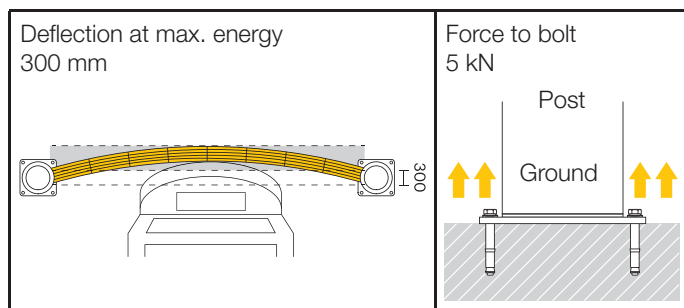


Racking protection

Technical information

Impact test	Impact angle on 2,000 mm post centres			
	90°	67.5°	45°	22.5°
Mid rail max. energy (Joules)	4,000	4,686	8,000	27,314

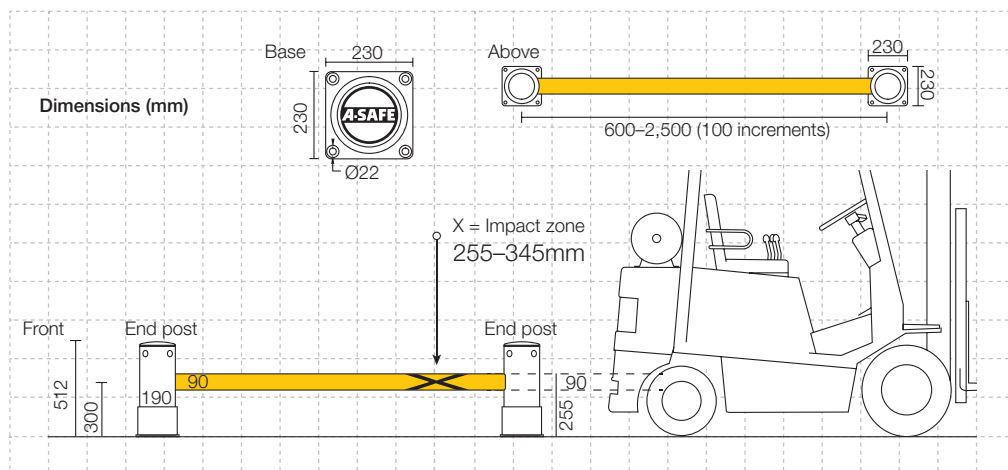
End post max. energy (Joules) – 90°	3,600
-------------------------------------	-------



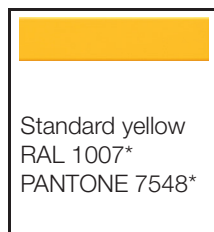
Material properties	MEMAPLEX™
Temperature range	-10°C to 50°C
Ignition temperature	370°C to 390°C
Flash point	350°C to 370°C
Toxicity	Not hazardous
Chemical resistance	Excellent – ISO/TR 10358
Weathering stability (grey scale)	5/5*
Light stability (Blue Wool Scale)	7/8**
Static rating (surface resistivity)	1,015–1,016 Ω
Hygiene seals	No

* Weathering scale 1 is very poor and 5 is excellent

** Light stability scale 1 is very poor and 8 is excellent



Colour combinations



*Please note that the RAL and PANTONE colours listed are the closest match to standard A-SAFE colours, but may not be exact matches of the actual product colour and should be used for guidance only.

Alarm Bar

Alarm Bar

#851601

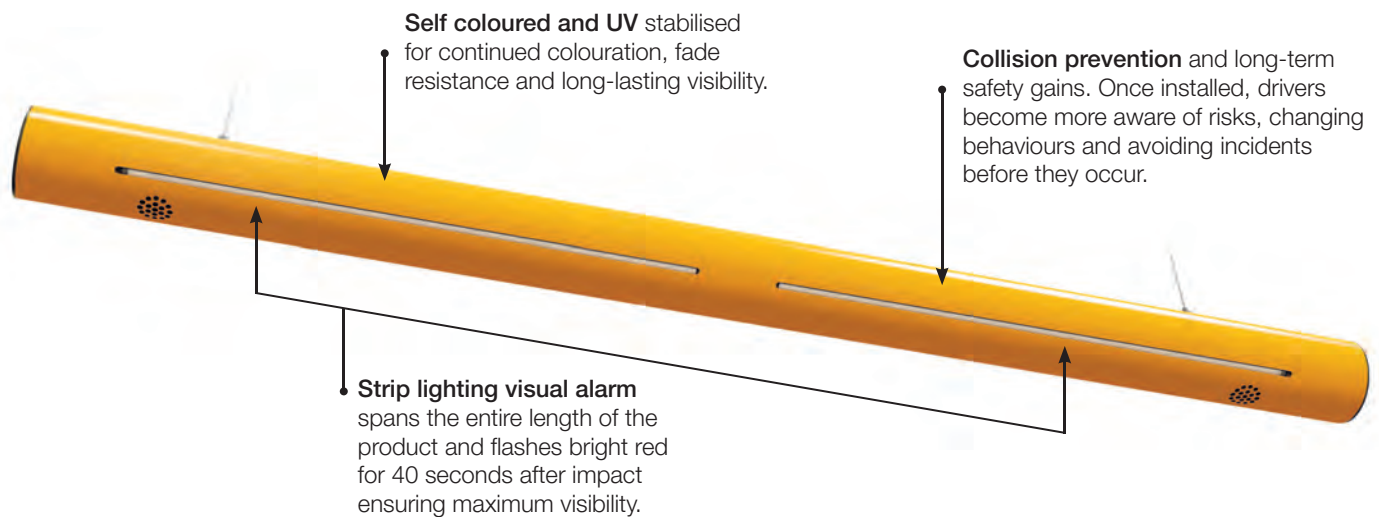


Designed to protect overhead assets from accidental damage from moving vehicles.

This ceiling-mounted barrier provides audible and visible alarms to prevent damage before it happens, averting vehicle impacts and changing driver behaviour over time.

Quick and easy to install, it can be used to safeguard door frames, loading docks, infrastructure and overhead walkways, as well as key safety assets such as sprinkler systems and ventilation pipes.

Not suitable for outdoor use.



Features and benefits



Twin buzzers each emit a 102 decibel alarm for 20 seconds, the equivalent of a car horn 1 metre away. Simultaneously, indicator strips flash bright red for 40 seconds, creating a complete and powerful audio-visual alert.



Protect low hanging infrastructure in environments where high-level vehicles such as forklift trucks are in operation.



Twin buzzer audio alarm emits a sound level of 102 decibels* for 20 seconds after impact, creating a strong audio alert easily heard in industrial environments.

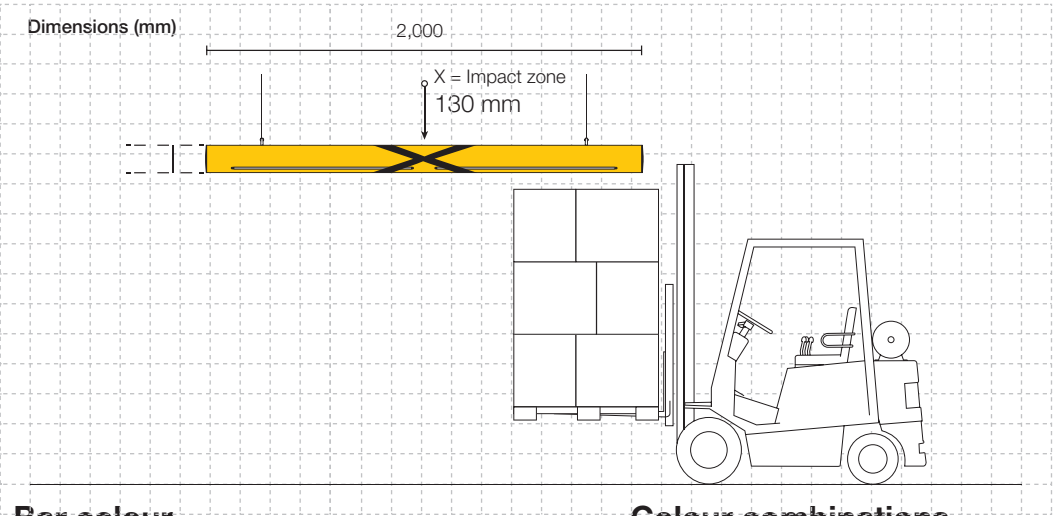


Plug-and-play battery adapter makes it quick and easy to replace batteries without the need for screws.

Installation

Quick and easy installation at a height to suit you. Heavy duty wires, adjustable gripple hooks, push-fit caps and battery power maximise versatility and minimise install time.

Technical information



Colour combinations

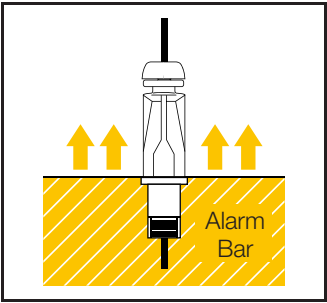
*Please note that the RAL and PANTONE colours listed are the closest match to standard A-SAFE colours, but may not be exact matches of the actual product colour and should be used for guidance only.

*Audible data gathered with an average ambient noise level of 78 dB.

Power	
12V (battery operation offers increased flexibility on installation)	2 years' battery life in normal operation

LEDs	
2x red flashing indicator strips (40 seconds after impact)	Brightness: 68 lm/M

Force to bolt
5x safety factor pull-out force on gripples



Material properties	MEMAPLEX™
Temperature range	+5°C to 50°C
Ignition temperature	370°C to 390°C
Flash point	350°C to 370°C
Toxicity	Not hazardous
Chemical resistance	Excellent – ISO/TR 10358
Weathering stability (grey scale)	5/5*
Light stability (Blue Wool Scale)	7/8**
Static rating (surface resistivity)	1,015–1,016 Ω
Hygiene seals	No

* Weathering scale 1 is very poor and 5 is excellent
** Light stability scale 1 is very poor and 8 is excellent

Mobile workstation

Optimise your logistics performance

In the dynamic field of logistics, efficiency is the key to success. Crown's mobile workstation is the answer to the growing need for flexibility and rapid data access in warehouse operations.

Efficiency and information flow redefined

The mobile workstation can go right to where it's needed. It not only reduces travel time between the workstation and the warehouse, but also optimises order processing through the retrieval of relevant information and facilitates precise, efficient documentation of shipping and returns.

Increased productivity through mobility

Portable workstations reduce interruptions and travel time. Every moment becomes productive, and every space is a potential work area.

Immediate and improved access to data

Thanks to immediately available workstations, employees can access the information they need faster, which significantly reduces order processing time.

Simplified data entry and shipping processes

The stations provide employees with a single point of access for all required documents and materials. Incoming goods and shipping processes can be streamlined as a result.

Reduced potential for errors

Direct data access minimises the risk of errors in inventory control and ensures more precise shipping and returns processes.

Integrated power supply for flexibility

The mobile workstation offers full mobility and flexibility thanks to the integrated rechargeable battery. The integrated charger allows for convenient charging at any outlet between uses. This makes the workstation ideal for flexible use throughout the entire warehouse area and increase the efficiency of work processes.

Discover the advantages of Crown mobile workstations and revolutionise your warehousing processes.



Choose your optimal mobile workstation

Technical variety, tailored for your logistics requirements

With a variety of models customised to your requirements, Crown's mobile workstation offers a flexible and powerful solution for your warehouse.



	300	1,200	300 Li	1,200 Li
Part number	#851014-001	#851014-003	#851014-002	#851014-004
Capacity	Approx. 800 Wh		Approx. 1,150 Wh	Approx. 2,300 Wh
Battery type	Lead-acid		Li-ion	
Battery	2x AGM battery pack 12 V/60 Ah (maintenance-free) with 24 V output on the rear side (incl. plug)		1x LiFePO battery 12.8 V/100 Ah (maintenance-free)	2x LiFePO battery 12.8 V/100 Ah (maintenance-free) with 24 V output on the rear side (incl. plug)
Battery life (depending on application)	Approx. 8 h at 100 VA charge		Approx. 11.5 h at 100 VA charge	Approx. 23 h at 100 VA charge
Depth of discharge	60%		90%	
Charging time	8–12 h		5.5 h	3.4 h
Charging cycles	Approx. 2,500	Approx. 400	Approx. 2,500	Approx. 400
Laser printer-compatible	No	Yes	No	Yes
Base weight	Approx. 100 kg	Approx. 105 kg	Approx. 67 kg	Approx. 87 kg
Operating time	Single-shift operation		Multiple-shift operation	
Features	Low power, ideal for light applications		Medium power, versatile use	High power, for demanding applications

Forklift terminals for sophisticated logistics environments

In the fast-paced world of warehouse logistics, every second counts. Our forklift terminals are the answer to the growing demands for flexibility and rapid data access in warehouse operations. Developed for use on industrial trucks, these robust and versatile devices with their sturdy aluminium housing offer sufficient impact resistance, dust protection, splash protection and increased durability even in harsh industrial environments with temperatures plummeting down to -30°C.

10" radio data terminal—Your reliable partner in logistics

The 10.4 inch touch screen forklift terminal is your optimal solution for maximising demanding logistics applications. With its compact size and robust design, it ensures reliable performance in any environment. The intuitive operation enables employees to quickly familiarise themselves with the system, thus increases productivity in warehouse operations.

12" radio data terminal—Maximise your logistics efficiency

For more demanding applications, the 12.1-inch touch screen forklift terminal offers an even better overview and ease of use. It combines a larger display area with proven robustness and reliability. Ideal for complex logistics processes, it helps your employees work faster and more effectively.

Both models are designed to improve information flow and simplify data entry and shipping processes. With immediately available data, they minimise the potential for errors and ensure more precise shipping and returns processes. Equipped with a resistive touch screen, they are easy to operate, even with gloves, making them especially practical for use in warehouse and production environments. Discover the advantages of our forklift terminals and revolutionise your warehouse processes.



Choose the ideal forklift terminal to satisfy your logistics requirements.

Our range of forklift terminals combines robust design with technological diversity to meet the exact needs of your warehouse. With either the 10" radio data terminal or 12" radio data terminal models, you reap the benefits of flexible and high-performing solutions that can handle any challenge in your logistics environment.



Feature	10" radio data terminal	12" radio data terminal
Part number	#851012-001	#851012-002
Display size	10.4 inch	12.1 inch
Display	TFT colour display XGA with LED backlight, 1,024 x 768 pixels (XGA)	
Touch screen	Resistive, surface hardness of at least 3H with robust, chemically-tempered cover glass	
Processor	Intel Atom QuadCore up to 4x 1.8 GHz (x5-E3940, Apollo Lake)	
Operating system	Windows 10 IoT Enterprise, Windows 11 IoT Enterprise or IGEL operating system	
Storage	For Windows 10 IoT Enterprise and IGEL operating system: 4 GB RAM, 64 GB USB drive; optional 8 GB RAM, 128 GB USB drive For Windows 11 IoT Enterprise: 8 GB RAM, 64 GB USB drive; optional 128 GB USB drive	
BIOS	EFI BIOS, updateable, bootable by default via LAN or USB	
Graphics	Integrated graphics unit; DirectX12 support	
Interfaces	Ethernet 100-BaseT/10-BaseT auto switch; RS232; 1x USB 3.0; 3x USB 2.0; integrated speaker with speech output quality; audio output/microphone input via jack plugs	
Keyboard	Virtual on-screen keyboard; 5 individually programmable function buttons	
Cabinet	Aluminium, powder-coated; IP54 (optional IP65); shock and vibration in accordance with EN 60068-2 Part -6, -27	
Operating temperature	-30°C to +45°C	
Dimensions	270 mm W x 235 mm H x 62 mm D	308 mm W x 268 mm H x 63 mm D
Weight	Approx. 2.8 kg	Approx. 3.6 kg

How it works | Work Assist interface with RAM® Mount system

to mount the terminal on the truck, the following parts are needed



+



160809

+



160808-001

+



351095-013

+



Radio data terminal

base clamp based on truck and mounting position (see page 49 onwards in Work Assist section)

=



Assembly

351095-013 + 160808-001 + 160809 (add picture) + base clamp based on truck and mounting position (see page 49 onwards in Work Assist section)



Hand scanner

Cable: 851015-001

Zebra DS3608
2D imager, extended range, cable scanner with
USB spiral cable length 3.6 m
Range:
1D 660 cm at 40 mil (Code 128)
1D 621 cm at 100 mil (Code 128)
2D 111 cm at 10 mil (Data matrix)



Hand scanner

Radio: 851015-002

Zebra DS3678
Extended range wireless scanner, 1D-2D imager
type Assembled for connection to PC/USB on
forklift
Range: 21.3 m at Code 128: 100mil
Includes:
• Base station FLB3678
• Mounting plate
• USB connection cable (straight)



Back of hand scanner

851015-003

ACD HasciSE AR with 2D advanced range imager
For optimum operation, at least one charging
station and one connection set must be ordered.
Can be found under the following dash numbers
Range:
14.07 m at Code 39: 100 mil



Zip set

851015-007

ACD Hasci zip set angular SR/MR/AR
Consisting of:
1x HasciSE mounting plate
1x HasciSE zip square



Charging station

2 ports: 851015-004
10 ports: 851015-005

ACD DSHasciSE
Charging box (2-fold) Housing for charging two
HasciSE. The connection set consisting of cable
and power supply unit can be found under -006.



Hand strap incl. finger button

Size S: 851015-008-S
Size M/L: 851015-008-M/L

Hand strap right incl. finger button for triggering
the scan, for attaching the HasciSE to the back of
the hand
The two sizes S and M/L are available for the right
hand.



Charging cable set

EU plug: 851015-006-EU
UK plug: 851015-006-UK

Required for -004 and -005.
cable set consisting of power supply unit
(100–240 V AC – 15 V/36 W) and AC mains cable
for DSHasciSE.
Note: The cable set applies to the DSHasciSE
charging box (2-way) and DSHasciSE charging
box (10-way).



Hand cuff incl. finger button

	Right hand	Left hand
Size 7:	851015-009-07-R	851015-009-07-L
Size 8:	851015-009-08-R	851015-009-08-L
Size 9:	851015-009-09-R	851015-009-09-L
Size 10:	851015-009-10-R	851015-009-10-L

Hand cuff incl. finger switch for triggering the
scan, for fastening the HasciSE to the back of
the hand
Material: Palm made of stretchy softshell material
with mesh for a better grip. Neoprene outer
material on the palm side and fluffy polyester
side on the HasciSE side

WORK ASSIST

CONTENTS

Clamps.....	50
Clip pad.....	50
Clip pad + Scan-gun holder.....	51
Cup holder	51
Monitor.....	51
Scan-gun holder	52
Shrink-wrap holder	52
Storage/tray	52
Storage organiser kit components.....	54
Organiser kits with bracket	54
Organiser kits with magnets.....	55
Single-Pocket Organiser Kits Components	55
Single-pocket organiser kits.....	55
Rubbish bin	56
Accessory	56
QuickPick remote	56
About Crown and RAM® Mount partnership	57
How it works How to order a RAM® Mount system.....	57
How it works Work Assist interface with RAM® Mount system	57
How it works Ball size selection guide.....	57
RAM® Popular mounting locations	58
RAM® Bases Vehicle attachments	59
RAM® Bases Vehicle attachments Suction	60
RAM® Bases Vehicle attachments Special	60
RAM® Bases Vehicle attachments Rubber ball with clamp base	61
RAM® Bases Vehicle attachments Tough-Claw™.....	61
RAM® Bases Vehicle attachments	61
RAM® Bases Vehicle attachments U-Bolt	62
RAM® Bases Vehicle attachments	62
RAM® Bases Vehicle attachments Overhead	63
RAM® Arms	63
RAM® Mount assembly For InfoLink	63
RAM® Special knobs.....	64
RAM® Device adapters	64
RAM® Holder Universal scan-gun holder	65
RAM® Holder Cup holder	65
RAM® Accessories.....	66
RAM® Holder with suction mount kits	67
RAM® Accessories.....	67
RAM® Holder for Phones/Radio	68
RAM® Holder for Phones with Wireless Charging	69
RAM® X-Grip® Universal Holder for Tablets.....	70
RAM® Universal Holder for Laptops	71
RAM® Universal Holder for Portable Printer	71

Clamps



Clamp for Tube Kit WA

#130145

Use for 2-inch tube



Clamp Peanut Kit 90° WA

#143840-001

Use on C-5 and SC 6000/6200, in line w/ truck mtg



Clamp Peanut Kit 45° WA

#143840-002

Use on C-5 and SC 6000/6200, 45° angle



CG CD Clamp Kit

#330146

Used on CG/CD front OHG

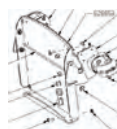
Clip pad



Clip Pad + Clamp Kit WA

#826992

- Clamps from behind
- 48 cm wide
- Use for cross tube



Clip Pad Kit with Clamp WA

#E-831432

- Use with vertical tube
- Adjustable angle
- 48 cm wide



Clip Pad A4 with Clamp Kit WA

#826996

- Use for cross tube
- Without bracket #826679, only use with vertical tube



Small Clip Pad

#E-841520-001

Use on WP 3000/3200 with load backrest



Clip Pad + Clamp Kit WA

#131415

Use with vertical tube



Clip Pad Kit without Clamp WA

#151743

Use on WP 3000/3200



Clip Pad + Clamp + Bracket Kit

#146238

Use with vertical tube and cross tube

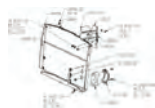


Large Clip Pad

#E-823412-007

- Use with cross tube
- 63 cm wide
- includes clamps #130145

Clip pad + Scan-gun holder



Clip Pad + Scan-Gun Holder Kit

#826993

- Use with cross tube
- 48 cm wide



Clip Pad + Hook + Clamp Kit WA

#E-814856

Use for vertical tube



Small Clip Pad & Scan Tool Holder

#E-841520-005

Use on WP 3000/3200 with load backrest

Cup holder



Cup Holder + Clamp Kit WA

#145078

- Use with vertical tube and cross tube
- For bottles and cups of diameter 70–116 cm



Cup Holder + Clamp Kit WA

#827594

- Use with vertical tube and cross tube

Monitor



Flex Arm for Monitor Kit WA

#E-822295

Use with vertical tube



Plate for Monitor + Clamp Kit WA

#131418

Use with vertical tube



Plate for Monitor + Clamp Kit WA

#E-814720

Use with vertical tube



Plate for Monitor LXE Kit WA

#126236-001

Use with vertical tube



Plate for Monitor + Clamp Kit WA

#130146

Use with vertical tube



Plate for monitor

NORAND Kit #126236-002
Telxon Kit #126236-003

Use with vertical tube



Plate for Monitor + Clamp Kit WA

#131417

Use with vertical tube



Plate for Monitor Kit WA

#129572

Use with vertical tube



Plate for Monitor + Clamp Kit WA

#148748

Use with vertical tube

Scan-gun holder



Scan-Gun Holder + Clamp Kit

#827003

Use with cross tube



Scan-Gun Holder Kit WA

#828297

Use with vertical tube and cross tube



Scan-Gun Holder + Clamp Kit WA

#131419

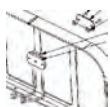
Use with vertical tube



Bracket Scan Gun REPL823000 WA

#E-825728

Use on ESR



Scan-Gun Holder

#E-841520-003

Use on WP 3000/3200 with load backrest



2 pcs Hook for Scan Gun

#131036

Use on WAVE

Shrink-wrap holder



Set of Two Dual Foil Tube Holders

#E-823412-022

Use with vertical tube and cross tube



Shrink Wrap Kit HIGH LBR WA

#E-821690

Use with GPC and TC



Shrink Wrap Tube Kit WA

#145080

Use with vertical tube

Storage/tray



Storage Pocket with Clamp WA

#826999

Use with vertical tube and cross tube



Orange Storage Pocket Kit WA

#130868

Use with vertical and cross tube



Tray Kit with Clamp WA

#826998

Use with cross tube



Installation Storage Bin

#154661

Use on FC 5200



Orange Storage Pocket Kit WA

#151744

Use on WP 3000



WAVE Pouch

#E-841520-002

Use on WP 3000/3200 with load backrest



Storage Pocket + Knob Kit

#159515

Use on WAVE



Set of Two Storage Pocket Kits WA

#157732

Includes 2 bins, 2 brackets, 2 double-sided tape squares and 2 bungees.

Storage/tray



Tray Rear Kit WA

#E-821683

Use for GPC



Tray for Battery Cover Mount

#115870

Use on battery cover



Storage Pocket + Bracket Kit

#159514

- Use for WAVE
- With Clamp #130145 also can be used with vertical and cross tube



Tray for Battery Cover Kit WA

#117420

Use on battery cover



Storage Tray Kit

#129634-002

Use for SC 5200



Orange Storage Tray for Upper WA

#141228S

Upper storage tray



Bolt-On Storage Tray Kit WA

#137513

Mounts to bolt-on load backrest



Orange Storage Tray for Lower WA

#141229S

Lower storage tray



Storage Tray Kit WA

#137514

Mounts to hinged load backrest



Orange Tray Kit WA

#144441S

- Includes tray, magnet and hardware. Two can be combined.
- Installs on pallet truck battery cover



Tray Storage Black WA

#129988-002

Use on lift trucks with suspension seat — FC 4500, SC 4500, SC 5200



Storage Net WA

#147004

- Requires four 153181S clamps to mount
- Use on FC 4500, SC 6000, SC 5200



Storage Tray Kit

#159519

Use on WAVE



Storage Net for Behind Seat

#147005S

- To install, also order:
- 4 inserts 060103-006
 - 4 screws 060062-041
 - 4 wall hooks 147008



Tray Kit WA REPL. 120389

#130816

Use on WAVE



Black Plastic Insert for Tray

#157327

Use on WAVE



Rear Tray for Weld Assembly WA

#822127

Use on WAVE



Bolt-On Storage Pocket WA

#831518

Use on WAVE



Front Tray for WA

#822131

Use on WAVE

Storage organiser kit components



Bin Storage

#162915

- Dimensions: 146 × 146 × 360 mm
- Material: Polypropylene



Bin Divider

#162914

- Dimensions: 106 × 340 mm
- Material: ABS



Small-Pocket Storage

#162913

- Dimensions: 94 × 40 × 138 mm
- Material: Thermoplastic elastomer



Bracket Weld Assembly

#162920

- Dimensions: 81 × 146 × 346 mm
- Material: Metal



Large-pocket storage

#162912

- Dimensions: 95 × 90 × 138 mm
- Material: Thermoplastic elastomer

Organiser kits with bracket



Large-Pocket Storage Organiser

#163561-001

Kit contains:

- 1x Storage bin #162915
- 1x Clamp for tube kit WA #130145
- 1x Bracket weld assembly #162920
- 3x Large storage pocket #162912
- Hardware

Use with vertical tube and cross tube



Mixed-Pocket Storage Organiser

#163561-003

Kit contains:

- 1x Storage bin #162915
- 1x Clamp for tube kit WA #130145
- 1x Bracket weld assembly #162920
- 2x Large storage pocket #162912
- 2x Small storage pocket #162913
- Hardware

Use with vertical tube and cross tube



Small Pocket Storage Organiser

#163561-002

Kit contains:

- 1x Storage bin #162915
- 1x Clamp for tube kit WA #130145
- 1x Bracket weld assembly #162920
- 6x Small storage pocket #162913
- Hardware

Use with vertical tube and cross tube



Clip Pad Storage Organiser

#163561-004

Kit contains:

- 1x Storage bin #162915
- 1x Clamp for tube kit WA #130145
- 1x Bracket weld assembly #162920
- 1x Bin divider #162914
- 3x Small storage pocket #162913
- Hardware

Use with vertical tube and cross tube

Organiser kits with magnets



Organiser
#163506-001

Kit contains:

- 1× Storage bin #162915
- 1× Magnets #154662
- 1× Bin divider #162914
- Hardware

Use on battery cover




Clip Pad Organiser
#163506-003

Kit contains:

- 1× Storage bin #162915
- 1× Magnets #154662
- 1× Bin divider #162914
- 3× Small storage pocket #162913
- Hardware

Use on battery cover




Three-Pocket Organiser
#163506-002

Kit contains:

- 1× Storage bin #162915
- 1× Magnets #154662
- 3× Large storage pocket #162912
- Hardware

Use on battery cover




One-Pocket Organiser
#163506-004

Kit contains:

- 1× Storage bin #162915
- 1× Magnets #154662
- 1× Large storage pocket #162912
- Hardware


Use on battery cover

Single-Pocket Organiser Kits Components



Small-Pocket Bracket
#163489

Material: Metal



Large-Pocket Bracket
#163488

Material: Metal

Single-pocket organiser kits




Large-Pocket P-Nut
#163490-001

Kit contains:

- Large storage pocket #162912
- Clamp peanut kit 45° WA #143840-001
- Pocket mount #141752
- Large pocket bracket #163488
- Hardware

Use on C-5 and SC 6000/6200 lift truck models



Large-Pocket Clamp
#163490-003

Kit contains:

- Large storage pocket #162912
- Clamp for tube kit WA #130145
- Pocket mount #141752
- Large pocket bracket #163488
- Hardware

Use with vertical tube




Small-Pocket P-Nut
#163490-002

Kit contains:

- Small storage pocket #162913
- Clamp peanut kit 45° WA #143840-001
- Pocket mount #141752
- Small pocket bracket #163489
- Hardware

Use on C-5 and SC 6000/6200 lift truck models



Small-Pocket Clamp
#163490-004

Kit contains:

- Small storage pocket #162913
- Clamp for tube kit WA #130145
- Pocket mount #141752
- Small pocket bracket #163489
- Hardware

Use with vertical tube

Rubbish bin



Rubbish Bag Holder with Clamp Kit

#827001

Use with vertical tube and cross tube



Storage Bin WA

#823831

Use on ESR

Accessory



Belt Strap

#E-841520-004

Use on WP 3000/3200 with load backrest in combination with #842579



Load Strap

#842579

- 2,000 mm



Pick Assist Tool

Tool #351099
Mounting Kit (for SP only) #351100

- The pick assist tool has a lightweight design and a telescoping feature that will effortlessly extend the reach of order picking staff.
- It has a collapsed length of 711 cm and can be extended to 1,041 cm.
- This versatility allows the stick to be adjusted to the length desired by the order picker.



Tool Retractor

#300114

- Load capacity: 0.8–2.0 kg
- Extended rope length: Approx. 1.7 m

QuickPick remote

Gloves



	Right Hand	Left Hand
S	#152892-007	#152892-009
M	#152892-008	#152892-010
L	#152892-001	#152892-004
XL	#152892-002	#152892-005
XXL	#152892-003	#152892-006

- Cow grain leather palm extends life of the glove, while the spandex back provides breathability.
- Fingerless, double stitched for maximum durability.
- Velcro wrist closure.



Transceiver Module

Straight	#161080-001
Coiled	#161080-002



Charging Station with Power Supply

#149946

- Accommodates six transceiver modules.
- Charging, ready and fault indicator lights.
- Recharges 80% discharged battery in six to eight hours



Transceiver Trigger

#161070

- Transceiver module not included
- Replacement strap: #149634



Transceiver Strap Assembly

Freezer Condition #162588
#156885

- Includes coiled Go button assembly, finger strap, wrist strap and transceiver module frame.
- Replacement parts:
 - Finger Strap, Cold Store Version #152687
 - Finger Strap #162587
 - Wrist Strap #162586
 - Transceiver Module Frame #151739



Pairs of Gloves without Transmitter

M	#152892-014
L	#152892-011
XL	#152892-012
XXL	#152892-013

- Cow grain leather palm extends life of the glove, while the spandex back provides breathability.
- Fingerless, double stitched for maximum durability.
- Velcro wrist closure.



ASM Remote Operator Kit

#163507-001

About Crown and RAM® Mount partnership

About RAM® Mount products

Protect your electronic devices by using the RAM® Mount system. RAM® Mounts utilise a patented rubber ball and socket design which insulates and dampens shock and vibration up to 50G of force. Adjustable positioning features cannot be matched by another mounting method. Mounting bases quickly attach and fit every OEM lift cage or overhead guard that is made. It is all backed by a lifetime manufacturer's warranty. Made in the USA.

Crown would like to thank RAM® Mounts Germany for the provided text and pictures. Sample images contain hardware such as a scan-gun holder or printer. These are for display purposes only and are not included in the delivery.

How it works | How to order a RAM® Mount system

1. Choose base



2. Choose arm



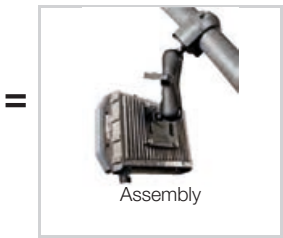
3. Choose adapter



4. Choose holder

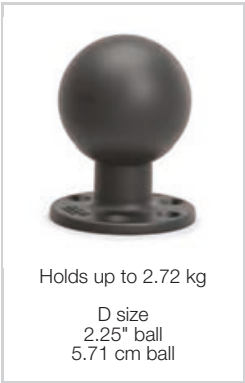


How it works | Work Assist interface with RAM® Mount system



The Crown Ball Mount design (P.N. 351094-XXX) allows you to add the RAM® Mount system to the Crown Work Assist clamps (P.N. 130145) and accessories. The addition of the RAM® Mount system allows you to position your accessories for the best access and prevent damage due to shock and vibration.

How it works | Ball size selection guide



Conversion table:

Inch	Centimetre
0.625"	1.58 cm
1"	2.54 cm
1.5"	3.81 cm
1.7"	4.16 cm
2"	5.08 cm
2.5"	6.35 cm
3"	7.62 cm
4"	10.16 cm
5"	12.70 cm

RAM® | Popular mounting locations

RAM® Mount open up a wide range of mounting solutions and locations for lift truck and other equipment in any material handling setting. The following guide helps you to find compatible mount systems for overhead guards, square posts, and any location appropriate for mounting a drill-down base.



- 1**
- Overhead guard plates
 - Socket arm
 - Device adapter
 - Universal Vesa plate



- 4**
- Crown Base Clamp #130145
 - Crown Work Assist base
 - Socket arm
 - Device adapter
 - Universal Vesa plate



- 2**
- Overhead guard plates
 - Socket arm
 - Device adapter
 - Universal Vesa plate



- 5**
- Crown Base Clamp #130145
 - Crown Work Assist base
 - Socket arm
 - Device adapter
 - Universal Vesa plate



- 3**
- Magnetic bases
 - Socket arm
 - Device adapter
 - Scan-gun holder



- 6**
- Drill-down base
 - Socket arm
 - Device adapter
 - Universal portable printer



Crown Work Assist ball base

B Ball	#351094-001
C Ball	#157749
D Ball	#160809

Rubber ball connected to oval base with mounting holes aligned to work with Crown Work Assist



Round base with rubber ball

B Ball	#351095-006
C Ball	#157750
D Ball	#351095-008
D ball, reinforced steel	#351095-009

- Consists of a rubber ball connected to a flat round base.
- This mount has pre-drilled holes, including the universal AMPS hole pattern.



Flex Adhesive Ball Base

B Ball	#351095-4916
--------	--------------

- Flex adhesive ball base provides a strong mounting surface in a wide variety of use cases, such as vehicle dashboards.
- Included B size 2.54 cm RAM® rubber ball, allows for connection to any B size RAM® double socket arm.
- Ball and socket technology allows for near infinite adjustability.
- Made of high-strength composites for durability and reliability in the most demanding environments.



Magnetic Ball Base

B-Ball	#351095-011
C-Ball	#351095-404

- Has pre-drilled holes, including the AMPS hole pattern.
- The magnetic base contains 3 rare earth magnets that hold firm to ferrous metals.
- The adapter designed to conceal the magnets is made of a durable plastic composite to prevent scratching the mounting surface.
- B ball up to 0.90 kg
- C ball up to 1.81 kg
- Both sizes: 6.35 cm in diameter



Tough-Mag™ Diameter Magnetic Ball Base

B Ball, static environments	#351095-5379
B Ball	#351095-5380
C Ball	#351095-5567

- 351095-5379: 66 mm; magnetic base, up to 0.90 kg in static environments
- 351095-5380: 88 mm; magnetic base, up to 0.90 kg
- 351095-5567: 88 mm; magnetic base, up to 1.81 kg



Diamond Drill-Down Base

B Ball	#351095-018
C Ball	#351095-058

- Consists of the rubber ball connected at right angles to a 6.17 x 3.32 cm diamond base.
- The base has 2 holes that are 4.85 cm from centre to centre, matching the industry standard AMPS hole pattern and connectable to a large variety of RAM® Mount and third-party cradles.



Bolt Head Adapter, 11 mm

#351095-2148

- Features an 11 mm hole designed to attach to the mirror frame.
- Included B size 2.54 cm RAM® rubber ball allows for connection to any B size RAM® double socket arm.
- Ball and socket technology allows for near infinite adjustability.
- Made of power-coated, marine-grade aluminium for durability and reliability in the most demanding marine environments.



Angled Bolt Head Adapter, 9 mm

#351095-2156

- Features a 9 mm hole designed to attach to the mirror frame.
- Included B size 2.54 cm RAM® rubber ball allows for connection to any B size RAM® double socket arm.
- Ball and socket technology allows for near infinite adjustability.
- Made of powder-coated, marine-grade aluminium for durability and reliability in the most demanding environments.



Diameter Suction Cup

B Ball	#351095-010
C Ball	#351095-469

- Suction cup designed to provide a super firm grip on any smooth, non-porous surface.
- For best results, mount the suction cup on a glass or non-porous plastic surface.
- Accessories: Adhesive Plate #351095-4233



Double-Twist Suction Cup

B Ball	#351095-1984
--------	--------------

- The Double Twist Suction Cup consists of double 8.38 cm twist lock suction cup bases that are connected to a powder-coated metal plate. B size 2.54 cm ball is included.
- The suction cup is designed to provide a super firm grip on any smooth non-porous surface, but for best results, mount the suction cup on a glass or non-porous plastic surface.
- Weight capacity: Up to 0.9 kg
- Accessories: Adhesive Plate #351095-4233



Twist-Lock™ Triple-Suction Cup

C Ball, steel plate	#351095-468
---------------------	-------------

- The Triple-Twist-Lock consists of a triple suction cup base with 3.81 cm diameter ball. It is designed to provide a super firm grip on any smooth non-porous surface, but for best results, mount the RAM® on a glass or non-porous plastic surface.
- Materials: Powder-coated steel, high-strength composites. Weight capacity: up to 1.8 kg
- Accessories: Adhesive Plate #351095-4233



Tough-Wedge™ Base with Ball and Expansion Pouch B Ball

#351095-2317

- The Tough-Wedge™ is a mounting that fits in the gap between the truck/vehicle seat and the centre console or potentially a centre seat.
- Other mounting options are also possible.
- The hand pump pumps air into the cushion for better support and individual space.
- This makes it easy to access and operate a mobile device.
- The mounting can be positioned in various ways.

Rubber ball with clamp

Post Dimensions for B Ball

Max. width	Max. depth	
3.81 cm	5.39 cm	#351095-2135
4.44 cm	5.39 cm	#351095-2136
5.08 cm	4.76 cm	#351095-2137
6.35 cm	5.39 cm	#351095-2138
7.62 cm	4.76 cm	#351095-2141
10.16 cm	5.39 cm	#351095-001

Post dimensions for C ball

Max. width	Max. depth	
3.81 cm	5.39 cm	#351095-566
4.44 cm	5.39 cm	#351095-567
5.08 cm	4.76 cm	#351095-568
6.35 cm	5.39 cm	#351095-004
7.62 cm	4.76 cm	#351095-571
10.16 cm	5.39 cm	#160249-001
12.70 cm	4.12 cm	#351095-574

Post dimensions for D ball

Max. width	Max. depth	
3.81 cm	5.39 cm	#351095-2484
4.44 cm	5.39 cm	#351095-2485
5.08 cm	4.76 cm	#351095-2486
6.35 cm	5.39 cm	#351095-005
7.62 cm	4.76 cm	#351095-2488
10.16 cm	5.39 cm	#160249-002
12.70 cm	4.12 cm	#351095-2491

- Measure upright support as shown in image. Select the clamp base which most closely matches the widest dimension.
- This holder base allows you to attach holders of the system to square profiles of ATVs, lift trucks, or posts and square timbers.
- It fits profiles within the dimensions. Please see the overview numbers.
- The clamping base consists of an aluminium base plate, which is firmly connected to the rubber ball system.
- A counter plate is bolted to two stainless steel bolts so that the structure covers the square profile.
- More elements can be attached to the ball via a compatible RAM® socket arm (not included!) to create the desired mounting bracket.



Tough-Claw™ Clamp Base

Size	B Ball	C Ball
S	#351095-4967	#351095-4365
M	#351095-4975	#351095-4375
L	#351095-4970	#351095-4368

- Ideal mounting base for phones, tablets, cameras, rod holders and much more
- Includes 2.54 cm B size rubber ball for attachment to RAM® double socket arms.
- Made of high-strength composites and stainless steel hardware for durability and reliability in the most demanding environments.
- S: 1.58–3.81 cm
- M: 2.54–4.76 cm
- L: 2.54–5.71 cm



Tough-Claw™ Large Locking Clamp Base

B Ball	#351095-4969
C Ball	#351095-4367

Clamp range:

- 2.54–5.71 cm diameter
- 0–5.58 cm flat surfaces
- The locking knob includes a thread and allows you to disengage the knob screw.
- Once you have set your Tough-Claw™ in the location you need, you can lock it in place for peace of mind and tamper resistance.
- Includes two keys.



V Base Ball and Strap Clamp

B Ball	#351095-021
C Ball	#351095-022

- Fits circular and square rails ranging from 2.54 cm to a maximum of 5.33 cm in diameter.
- To mount, place the saddle shaped plate on the rail and then wrap the metal clamp strap around the rail and plate.
- Tighten the screw knob on the metal strap with a screwdriver until the strap has a firm hold on the rail.



Yoke Clamp Base with Ball

B Ball	#351095-887
--------	-------------

- The yoke clamp base fits rails ranging from 1.58 cm to a maximum of 3.17 cm in diameter.
- The 2.54 cm rubber ball is at a right angle to the plane of the mount
- When connected to a rail, the ball sits parallel to the rail.





Handlebar U-Bolt Base for Rails 1.27 cm–3.17 cm in Diameter

B Ball	#351095-2106
C Ball	#351095-481

- Zinc-coated metal U-Bolt base with rubber ball is designed to sit at right angles to the mounting rail; includes black cover caps for exposed ends of the U-Bolt.
- Compatible with any B or C size RAM® Mount component; ball and socket technology allows for near infinite adjustability.
- Made of powder-coated, marine-grade aluminium for durability and reliability in the most demanding environments.



Double U-Bolt Ball Base for Rails 2.54 cm–3.17 cm

B Ball	#351095-2115
C Ball	#351095-531
D Ball	#351095-2477

- The RAM® Double U-Bolt Ball Base consists of a double U-Bolt base, a ball and two stainless steel U-Bolts.
- The double U-Bolt base accommodates rails ranging from 2.54 cm to 3.17 cm in diameter.



Handlebar U-Bolt Base for Rails 2.54 cm–3.17 cm in Diameter

B Ball	#351095-2077
C Ball	#351095-475

- The rubber ball is designed to sit at right angles to the mounting rail.
- The stainless steel coated metal U-Bolt accommodates rails in the different diameters.
- The base also includes black cover caps to be placed over the exposed ends of the U-Bolt.



Double U-Bolt Ball Base for Rails 3.17 cm–3.81 cm

C Ball	#351095-530
D Ball	#351095-2476

- The RAM® Double U-Bolt Ball Base consists of a double U-Bolt base, a ball and two stainless steel U-Bolts.
- The double U-Bolt base accommodates rails ranging from 3.17 cm to 3.81 cm in diameter.



Torque™ Rail Base

Size	B Ball	C Ball
M	#351095-2341	#351095-688
L	#351095-2325	#351095-687

- Includes sizing inserts to provide a tight fit while protecting the mounting surface
- Mount includes nylon insert lock nuts to prevent loosening
- Made of powder-coated, marine-grade aluminium for durability and reliability in the most demanding environments
- B ball up to 0.90 kg
- C ball up to 1.81 kg
- Size M: 1.91 cm–2.54 cm
- Size L: 2.86 cm–3.81 cm



RAM® Mount Rail Clamp Base up to 7.76 cm in Diameter

C Ball	#351095-593
D Ball	#351095-2503

- Clamping base ideal for posts ranging from 3.17 cm to 4.76 cm in diameter.
- Included a RAM® rubber ball allows for connection to any C or D size RAM® double socket arm
- Ball and socket technology allows for near infinite adjustability
- Made of powder-coated, marine-grade aluminium for durability and reliability in the most demanding environments



RAM® Mount Rail Clamp Base up to 6.35 cm in Diameter

C Ball	#351095-056
D Ball	#351095-2504

- Clamping base ideal for posts ranging from 5.08 cm to 5.71 cm in diameter.
- Included C or D RAM® rubber ball.
- This allows for connection to any C or D size RAM double socket arm
- Ball and socket technology allows for near infinite adjustability

Overhead Guard Mount



Without Ball	#351095-019
With C Ball	#351095-666
With D Ball	#351095-667

- The Overhead Guard Mount attaches to almost any lift cage or overhead guard.
- Utilises two identical plates of stamped steel with numerous common hole patterns and slots.
- C & D diameter bases may be attached to the same plate for multiple applications.

Requires a square base for P.N. #351095-019:

- C Ball (P.N. #351095-012) or
- D Ball (P.N. #351095-013) or
- D Ball reinforces steel (P.N. #351095-014)



Shown here:

Overhead Guard Mount with C Ball
#351095-666

Double Socket Arm with Standard C Ball
#351095-025

Vesa Square Base with Rubber C Ball
#351095-012

RAM® | Arms

Double Ball Socket Arm, Short



B Ball	6.00 cm	#351095-027
C Ball	9.00 cm	#351095-028
D Ball	12.90 cm	#160808-002

- The short double socket arm has a socket at both ends that fits ball bases.
- RAM® socket technology allows for almost infinite adjustment and perfect viewing angles.

Double Ball Socket Arm, Medium



B Ball	9.00 cm	#351095-2009
C Ball	14.00 cm	#351095-025
D Ball	21.30 cm	#160808-001

- Has socket at both ends that fits ball bases.
- A single spring inside the arm opens the end sockets, allowing you to pivot the ball and socket connection.
- Allows for almost infinite adjustment and perfect viewing angles.

Double Ball Socket Arm, Long



B Ball	15.00 cm	#351095-030
C Ball	23.00 cm	#351095-031
D Ball	33.00 cm	#160808-003

- Has a socket at both ends that fits ball bases.
- A single spring inside the arm opens the end sockets, allowing you to pivot the ball and socket connection.
- This socket technology allows for almost infinite adjustment and perfect viewing angles.

Adjustable Socket with Octagon Socket



B Ball	15.90 cm	#351095-033
--------	----------	-------------

- Consists of double diameter open ball sockets with a 360° rotation point at the centre & a connecting swivel joint that rotates forward and back 180°.
- The rubber ball and socket at either end and a central pivot point provide unsurpassed adjustability.
- The RAM® ball sockets maximise ball coverage for optimal fit.

Composite Double-Socket Swivel Arm



B Ball	#351095-4792
B & C Ball	#351095-4992
C Ball	#351095-4021

- Double socket swivel arm features 360-degree centre rotation with an overall length of 9.37 cm and a socket-to-socket length of 8.89 cm.
- Attaches to any B or C size RAM® ball component, including mounting bases and device holders.
- Double ball and socket technology allows for near infinite adjustability of your RAM® Mount system.

RAM® | Mount assembly | For InfoLink

Universal Mount with 2 Round Bases



B Ball with short Arm	#144357
C Ball with medium Arm	#150311

- Both Mount Assemblies consist of one double socket arm and two round bases that contain the universal AMPS hole pattern.
- The hole pattern found on the round base adapter connects to many RAM® cradles, including all iPad cradles.
- Parts can be ordered individually.

RAM® Mount Base for Crown Clamp C Ball Size



Short Arm	#157748-002
Medium Arm	#157748-001

- The RAM® Mount base assembly consists of a double socket arm and two ball bases.
- #157749 is designed to integrate with the Crown Work Assist clamp, and the second base contains the universal AMPS hole pattern.
- Both lengths require the Crown Base #157749

RAM® | Special knobs



Combination PIN-Lock Security Knob and Key Knob

B Ball	#351095-5210
C Ball	#351095-5222

- Keep your devices and mount system safe from theft and tampering with a threaded security knob.
- Replaces standard knobs on RAM® double-socket arms — made of high-strength composites and steel for durability and reliability in the most demanding environments.



Locking Knob for Socket Arms

B Ball	#351095-047
C Ball	#351095-048

- The RAM® locking knob includes a brass threaded screw.
- This allows the knob to be unscrewed off.
- Once you have set your mount in the location you need, you can lock it in place and feel safe that your mounted device will stay right where you left it.
- Includes 2 keys

RAM® | Device adapters



Round Base with Rubber Ball

B Ball	AMPS	#351095-006
C Ball	AMPS	#157750
D Ball	AMPS	#351095-059
D Ball	reinforced steel	#351095-009

Consists of a rubber ball connected to a flat round base.



VESA Square Base with Rubber Ball

C Ball	#351095-012
D Ball	#351095-013
D Ball, reinforced steel	#351095-014

Rubber ball, connected to a 12.06 cm square plate with 4 x 1 cm holes and 4 x 7.5 cm holes in each corner.



Diamond Drill Down Base with Rubber Ball

B Ball	AMPS	#351095-018
C Ball	AMPS	#351095-058

- Consists of a rubber ball connected at right angles to a 3.32 cm x 6.17 cm diamond base.
- The base has 2 holes measuring 4.85 cm from centre to centre, matching the industry standard AMPS hole pattern and connecting to a large variety of RAM® Mount and third-party cradles.



VESA Square Base with Rubber Ball

C Ball	#351095-015
C Ball reinforced steel	#351095-551
D Ball	#351095-016

- Rubber ball, connected to a 9.21 cm square plate with a 7.5 x 7.5 cm VESA hole pattern.
- The rubber ball is positioned 2.24 cm from the centre of one edge.



Plate for Electronics Adapter

C Ball	#351095-017
D Ball	#351095-5386

- This universal mounting plate consists of a C or D rubber ball, connected at right angles to a flat 15.87 x 5.08 cm rectangular plate.
- The plate contains different combinations of pre-drilled holes that will match up to many electronic devices.
- Weight capacity of up to 2.72 kg



Power Grip™ Universal Scanner Gun Cradle

L #351095-037
XL #351095-5746

- Compatible with a wide range of ruggedised 2D barcode scanners.
- Accommodates pistol grip scan guns with a maximum pistol grip of 3.55 cm.
- L internal dimensions:
8.81 cm x 5.48 cm x 12.44 cm
- XL internal dimensions:
10.05 cm x 6.75 cm x 18.87 cm
- Requires ball base adapter #157750.



Shown here:

#351095-037

- Power Grip™ Universal Scan-Gun Cradle
- Scanner not included.



Shown here:

#351095-5746

- Power Grip™ Universal Scanner Gun Cradle
- Scanner not included.



Universal Holder for Scanner Guns and Handheld Computers

#351095-039

- The RAM® Drop-N-Lock™ Scanner Gun Holder is a specially designed cradle that holds most types of scan gun handles.
- On the side of the cradle is a spring-loaded lever that will securely hold the scan gun in the cradle.
- Simply drop the scanner handle into the holder, and it locks in place immediately.
- To remove, simply lift the tab behind the holder, and your scan gun will lift right out with ease.
- Internal dimensions:
3.70 cm x 6.35 cm x 12.98 cm.
- Requires ball base adapter #157750.



Shown here:

#351095-039

- Universal holder for scan guns and handheld computers
- Scanner not included.



Shown here:

Rubber Ball with Clamp
#351095-2137

Double Ball Socket Arm, Long
#351095-030

Power-Grip™ Universal Scan-Gun Cradle
#351095-037



Level Cup™ XL 940 ml Cup Holder with B Ball

#351095-4981

- Self-levelling holder keeps your drink upright regardless of conditions, including 350 ml cans, water bottles, insulated cups and 640 ml containers.
- Includes drink cover
- Included B size RAM® rubber ball allows for connection to any B size RAM® double socket arm.
- Ball and socket technology allows for near infinite adjustability.
- Made of high-strength composites for durability and reliability in the most demanding environments
- Requires B ball arm.



Drink Cup Holder, 470 ml

#351095-053

- Compatible with cups, cans, bottles and mugs ranging from 6.35 to 8.89 cm in diameter.
- Self-levelling feature avoids spills, allowing for mounting on ATVs, boats and more.
- Includes drink cover
- Included B size 2.54 cm RAM® rubber ball allows for connection to any B size RAM® double socket arm.
- Ball and socket technology allows for near infinite adjustability.

Multi-Pad™ Universal Notepad Holder

#351095-065



- The new RAM® Multi-Pad™ is the perfect product to keep your busy life organised.
- Easily mounted in various locations and ideal for your car, lift truck or plane, the RAM® Multi-Pad™ has many features that you have come to expect and others that will surprise you.
- With RAM® in the name, you know the RAM® Multi-Pad™ can be easily attached to a wide variety of RAM® Mount solutions.
- With several mounting points and integrated magnets for holding your ferrous metal pen securely without the need for clips, the RAM® Multi-Pad™ is ready to get to work for you.
- It includes a set of two nuts and bolts to connect the cradle to any RAM® components or Mount that contain the universal AMPS hole pattern.
- Dimensions: 20.32 cm x 10.16 cm

Handi-Case™

#351095-064



- Multiple mounting points on the top and bottom to attach any number of popular RAM® rubber ball bases or mounting plates for unsurpassed versatility.
- Two convenient mounting points on the top for a mobile phone, GPS or other small electronics mount.
- Multiple punch outs on the sides and back, even allowing power to be run in to or out of the RAM® Handi-Case™.
- Multiple storage spaces inside the case to hold documents, pens, hardware and so on.
- Pockets for magnets that can be used to hold pens or mount magnetically
- Internal dimensions:
30.80 cm x 25.08 cm x 3.49 cm

Note:

Requires one of the following items: #351095-018 or #351095-061.

Sun Visor with Ball Adapter

#351095-4334



- The precision laser-cut cast acrylic sun visor offers ideal blockage of glare while ensuring no obstruction or distortion of view.
- The dark green 50% tint is ideal for blocking sun and glare in a variety of applications.
- The RAP-393-G1U includes a B ball that can be connected to any B Ball RAM® socket arm and easily configured for left- or right-handed use as well as pilot and co-pilot use.
- Sun visor dimensions: 20.32 cm x 33 cm

Suction MNT X-GRIP Universal Phone Holder

B Ball #351095-1751



- Spring-loaded 'X' design with rubber caps sports great holding power without hiding your phone.
- Includes optional device tether for peace of mind during rugged use.
- Compatible with any B size RAM® Mount double socket arm.
- Ball and socket technology allows for near-infinite adjustability
- Made of powder-coated, marine-grade aluminium, stainless steel components and high-strength composites for durability and reliability in the most demanding environments.

Twist-Lock™ Suction Cup Mount for 9"-10" Tablets

B Ball #351095-1754



- Spring-loaded 'X' design with rubber caps sports great holding power without hiding your tablet.
- Fits most 9"-10" tablets.
- Includes RAM® Twist-Lock™ suction cup base ideal for vehicle windscreens and medium-length B-size RAM® double-socket arm.
- Ball and socket technology allows for near-infinite adjustability.
- Made of powder-coated, marine-grade aluminium, stainless steel components and high-strength composites for durability and reliability in the most demanding environments.

Suction MNT X-GRIP Large Phone with Twist Lock

B Ball #351095-1742



- Spring-loaded 'X' design for large phones with rubber caps sports great holding power without hiding your phone.
- Includes optional device tether for peace of mind during rugged use.
- Includes RAM® Twist-Lock™ suction cup base ideal for vehicle windscreens and medium-length, B-size RAM® double socket arm.
- Ball and socket technology allows for near infinite adjustability.
- Made of powder-coated, marine-grade aluminium, stainless steel components and high-strength composites for durability and reliability in the most demanding environments.

Suction MNT X-GRIP for 11" - 12" Tablets

B Ball #351095-1743



- The RAM-B-166-UN11U consists of a 8.45 cm diameter suction cup twist lock base, double socket arm, round base adapter and universal X-Grip® clamping cradle.
- The suction cup base is designed to have a strong hold on glass and non-porous plastic surfaces.
- The mount is designed with a RAM® patented rubber B Ball and socket system that has adjustment points at both ends of the double-socket arm.
- This allows for almost infinite adjustment and perfect viewing angles.
- The X-Grip® clamping cradle consists of a composite spring-loaded cradle, expandable grip arms and more bottom support reinforcement.
- Included are extra easy to access grip knobs located on the back of the cradle for quick release of your tablet.
- The X-Grip® clamping cradle expands and contracts to create the perfect fit for most 12" tablets with or without sleeves and some smaller tablets.
- It is important to verify the dimensions of your handheld device with a case/sleeve/skin when determining the overall size.

Suction MNT 7"-8" TABLET X-GRIP

B Ball #351095-1753



- Spring-loaded 'X' design with rubber caps sports great holding power without hiding your tablet.
- Fits most 7"-8" tablets and includes optional device tether for peace of mind during rugged use.
- Includes RAM® Twist-Lock™ suction cup base ideal for vehicle windscreens and medium-length, B-size RAM® double socket arm.
- Ball and socket technology allows for near-infinite adjustability.
- Made of powder-coated, marine-grade aluminium, stainless steel components and high-strength composites for durability and reliability in the most demanding environments.

RAM® | Accessories

X-Grip® Rubber Cap 4-Pack Replacement

#351095-5277



- Includes four black rubber post caps to keep your device secure when mounted in the RAM® X-Grip® phone or tablet holder.
- Compatible with all versions of the RAM® X-Grip®
- Made of rubber
- Super glue included

Enlarged Handle Wrench for D Ball Arms

#351095-066



- Using the handle wrench, the twist lock with D Ball on the RAM® Mount connecting arm can be tightened even more tightly or released more easily.
- Long lever for sufficient torque transmission.
- If space is limited, the lever can also be adjusted via the ratchet.

X-Grip® Tether

Under 7" #351095-3366
7"-8" #351095-3371
Under 10" #351095-3345



- Attaches to the RAM® X-Grip® phone holder and the edges of your device for extra peace of mind in demanding environments



X-Grip® Universal Holder for Small Phones

B Ball	#351095-034
C Ball	#351095-3361

- Has a clean and clever four-legged design that sports great holding power without hiding your phone behind foam pads and plastic.
- Dimensions:
Width 4.76–8.25 cm
Depth 2.89 cm
- No ball base adapter required.



X-Grip® Universal for 5" Phablets

B Ball	#351095-035
C Ball	#351095-3344

- Has a clean and clever four-legged design that sports great holding power without hiding your phone or phablet behind foam pads and plastic.
- Compatible and interchangeable with a wide range of mounts.
- Dimensions:
Width: 4.44–11.43 cm
Depth: 2.22 cm
- No ball base adapter required.



X-Grip® Universal Holder for Phones

L	#351095-3169
XL	#351095-5528

- Spring-loaded holder features adjustable side supports that provide a secure fit for a variety of large phones and other devices.
- Easily insert and remove your phone with one hand.
- Compatible with RAM® diamond ball bases for attaching to double socket arms and mounting bases.
- It includes a set of two nuts and bolts to attach the cradle to any RAM® components that contain the universal AMPS hole pattern.
- L #351095-3169:
Height: 12.06 cm–14.60 cm
Width: 5.56 cm–8.25 cm
- XL #351095-5528:
Height: 14.60 cm–18.41 cm
Width: 6.66–9.20 cm
- Requires:
B Ball: #351095-018
C Ball: #351095-058



X-Grip® Phone Mount with Snap-Link™ Tough-Claw™

Large	#351095-052 #351095-3341
-------	-----------------------------

- Tough-Claw™ base and universal X-Grip® holder.
- The X-Grip® holder has a clean and clever four-legged design that sports great holding power without hiding your smartphone behind foam pads and plastic.
- Clamp range:
1.58–3.81 cm in diameter
0–2.89 cm flat surfaces
- #351095-052: 4.76 x 8.25 cm
- Large #351095-3341: 4.44–11.43 cm



Universal Finger-Grip™ for Phone/Radio Holder

#351095-036

- Designed to hold a large number of mobile phones & electronic devices.
- Comes with 3 sets of 4 flexible rubber-coated fingers placed along sides to grip your device.
- Fingers open by squeezing ends to open small finger arms.
- Bottom of the holder includes back plate that adds support to the device being held by the mount.
- Spine plate contains universal AMPS and 3.81 cm x 5.08 cm hole patterns.
- Height range of 13.33 cm to 15.24 cm, including top & bottom plates.
- Plates can be removed for larger devices.
- Height: 18.41 cm
- Width: 3.17–8.89 cm
- Requires:
B Ball: #351095-018
C Ball: #351095-058



Tough-Charge™ with X-Grip® Tech Waterproof Wireless Charging Holder

#351095-5553

- Waterproof Qi-compatible wireless phone charging cradle features spring-loaded RAM®.
- X-Grip® technology and 10 W maximum output.
- RAM® Mount compatible™ with B size double socket arms and ball bases for mounting in your preferred location.
- Made of powder-coated, marine-grade aluminium, stainless steel components and high-strength composites for durability and reliability in the most demanding environments.
- RAM® Mount backed by lifetime warranty, and RAM® electronics backed by 1-year warranty with proof of purchase required.



Quick-Grip™ Waterproof Wireless Charging Holder

#351095-5555

- Waterproof Qi-compatible wireless phone charging cradle features spring-loaded RAM® Quick-Grip™ design and 10 W maximum output.
- RAM® Mounts compatible with B size double socket arms and ball bases for mounting in your preferred location.
- Made of powder-coated, marine-grade aluminium, stainless steel components and high-strength composites for durability and reliability in the most demanding environments.
- RAM® Mount backed by lifetime warranty, and RAM® electronics backed by 1-year warranty with proof of purchase required.



RAM® Hardwire Charger with Female USB/8-18 V

#351095-5383

- The RAM® hardwire charger features a female USB Type A connector and is ideal for providing power to your device by the open cable at the other end.
- Easily connect any USB Type A charging cable with this low-profile hardwire charger.
- It includes two mounting holes as well as cable tie attachment points.
- Input range: 8-18 V DC
- Output voltage: 5-9 V DC

RAM® | X-Grip® Universal Holder for Tablets



X-Grip® Universal Holder for 7"–8" Tablets with Ball

B Ball	#351095-3370
C Ball	#351095-046

- Spring-loaded 'X' design with rubber caps sports great holding power without hiding your tablet.
- Fits most 7"–8" tablets and includes optional device tether for peace of mind during rugged use.
- Easy-access grip knobs on the back of the holder allow for the quick release of your tablet.
- Includes B size rubber ball compatible with any B size RAM® Mount double socket arm.
- Ball and socket technology allows for near infinite adjustability.



X-Grip® Universal Holder for 11" and 12" Tablets

351095-3347

- Spring-loaded 'X' design with rubber caps sports great holding power without hiding your tablet.
- Fits most 11" and 12" tablets
- Easy-access grip knobs on the back of the holder allow for the quick release of your tablet.
- Made of powder-coated, marine-grade aluminium, stainless steel components and high-strength composites for durability and reliability in the most demanding environments.
- Requires ball base adapter #157750



X-Grip® Universal Holder for 9"–10" Tablets

#351095-3373

- Spring-loaded 'X' design with rubber caps sports great holding power without hiding your tablet.
- Fits most 9"–10" tablets.
- Easy-access grip knobs on the back of the holder allow for the quick release of your tablet.
- Made of powder-coated, marine-grade aluminium, stainless steel components and high-strength composites for durability and reliability in the most demanding environments.
- Requires ball base adapter #157750
- Max. height: 26.04 cm (using optional supports)
- Width range: 15.87 cm–20.57 cm
- Max. depth: 2.22 cm

RAM® | Universal Holder for Laptops



Tough Tray II™ Universal Laptop Mount

#351095-044

- Spring-loaded holder for large tablets, with or without a case.
- Accommodates netbooks as well.
- Requires ball base adapter: #157750
- Tray dimensions:
Depth: 15.24 cm
Thickness: 2.54 cm
Width (expansion): 21.74–28.45 cm
Side clamp arm height: max. 6.99 cm



**Universal Laptop Holder
Tough-Tray 10"-16"**

#351095-490

- Spring-loaded universal laptop tray accommodates most 10" to 16" laptops.
- Four adjustable clamping arms with rubber grips keep your laptop secure.
- Made of high-strength composites for durability and reliability in the most demanding environments.
- Requires ball base adapter:
C Ball #157750 or D Ball #351095-059
- Tray dimensions:
Depth: 25.40 cm
Thickness: 5.39 cm
Range: 25.40–40.64 cm
Side clamp arm height: 1.27–4.44 cm

RAM® | Universal Holder for Portable Printer



Universal Portable Printer Cradle

Clamping dimensions	Max. height	
14.28–24.13 cm	4.44 cm	#351095-055
16.83–26.67 cm	6.35 cm	#351095-054

- Uses unique patent-pending spring-loaded mechanism that holds strong, yet provides easy removal for printer storage.
- At each end of the cradle are side clamping plates designed to fit cleanly around the edges of the printer.
- Requires ball base adapter: #157750



Shown here:

Magnetic Ball Base for C Ball
#351095-404

Double Ball Socket Arm for C Ball
#351095-025

Magnetic Ball Base for C Ball
#351095-404

Universal Portable Printer 'Cradle'
#351095-054

Hardware/printer not included.

InfoLink

CONTENTS

InfoLink.....	74
InfoLink cable	75

Make your connection

		3" Display	7" Touch Display
SAFETY	Complete electronic pre-shift inspections, manage operator certifications, and monitor impacts	●	●
PRODUCTIVITY	Compare operator or team activity to department/shift benchmarks, and identify long-term and seasonal trends	●	●
UPTIME	Schedule planned maintenance and communicate maintenance issues	●	●
ASSET MANAGEMENT	Manage individual lift truck assets or entire fleet across multiple locations	●	●
COST REDUCTION	Prevent expensive repairs, reduce damage from impacts, and avoid regulatory penalties	●	●
TOUCH USER INTERFACE WITH WIDGETS			●
SAFETY REMINDERS AND CHECKLIST IMAGES			●

InfoLink Services:

Achieve more with your connection

Crown InfoLink services can help provide the additional support needed to ensure your success. Supplemental services include those designed to help you create a solid foundation, data integration assistance with other platforms, and additional customisations as you continue your InfoLink journey.

- Prepare your team for the InfoLink system with the **RightStart** programme that tailors the implementation process to meet your operational needs.
- Re-energise your organisation with InfoLink using additional support programmes by assessing your company's current state of InfoLink usage and customising a plan to boost engagement.
- Optimise your InfoLink experience with custom reporting that provides the analytics you need in a format and frequency that fits your business.



3" InfoLink Module

#162132-003

Note: Kit and module have the same number
Kit includes:

- Module
- Can terminator
- Universal bracket for 3" module
- Mounting screws



3" Display Cover

#H53349-501

Transparent cover made of Lexan to protect



7" Display Cover

#164461-001

Transparent cover made of protective Lexan



ID Multi-Class Prox Reader

#066077

Allows operators to log in to equipment using existing ID compatible badges, fobs or stickers



ID Card

#831062

Use to log in to InfoLink modules with multi-class card reader

7" InfoLink module

#850563-001: German
#850563-002: French
#850563-003: Spanish
#850563-004: Dutch
#850563-005: Italian
#850563-006: English
#850563-007: Polish
#850563-008: Czech
#850563-009: Danish
#850563-010: Portuguese
#850563-017: Hungarian
#850563-018: Finnish
#850563-019: Norwegian
#850563-020: Swedish
#850563-021: Russian
#850563-022: Turkish
#850563-023: Slovenian
#850563-024: Greek
#850563-025: Estonian
#850563-026: Latvian
#850563-027: Lithuanian
#850563-029: Croatian
#850563-030: Serbian
#850563-031: Romanian
#850563-032: Bulgarian
#850563-033: Chinese

Kit includes:

- 7" touch module kit
- Manual
- "CM" InfoLink control module
- Bracket
- Screws
- 3-digit number depending on the language of the manual



ID key



#831063-001: Operator 01 (F1)
 #831063-002: Operator 02 (F1)
 #831063-003: Operator 03 (F1)
 #831063-004: Operator 04 (F1)
 #831063-005: Operator 05 (F1)
 #831063-006: Operator 06 (F1)
 #831063-007: Operator 07 (F1)
 #831063-008: Operator 08 (F1)
 #831063-009: Operator 09 (F1)
 #831063-010: Operator 10 (F2)
 #831063-011: Operator 11 (F2)
 #831063-012: Operator 12 (F2)
 #831063-013: Operator 13 (F2)
 #831063-014: Operator 14 (F2)
 #831063-015: Operator 15 (F2)
 #831063-016: Operator 16 (F2)
 #831063-017: Operator 17 (F2)
 #831063-018: Operator 18 (P1)
 #831063-019: Operator 19 (P1)
 #831063-020: Operator 20 (P1)
 #831063-021: Operator 21 (P1)
 #831063-022: Operator 22 (P1)
 #831063-023: Operator 23 (P1)
 #831063-024: Operator 24 (P1)
 #831063-025: Operator 25 (P1)
 #831063-026: Operator (P1)
 #831063-027: Supervisor (P1)
 #831063-028: Maintenance (P1)

- Used to log in to InfoLink modules with multi-class card reader.
- For Gena vehicles that are not linked with InfoLink, it is possible to order pre-programmed transponders.
- This allows predefined users to log in to the vehicle.

ID Sticker *



#831064

- Access card/chip for InfoLink users
- This card must be unlocked by a trained technician before use

InfoLink cable



External Power Supply for 7" InfoLink Module

#390001

Allows the InfoLink module to be plugged in to a 230 V outlet for configuration and troubleshooting



7" Display Harness

#159605



CAN T-Harness, Short

#159618-001



InfoLink Demo Case

#TA0150

- Each box will have a unique number and defined users
- Module and ID card, chip and key will be pre-programmed
- On the website "DemoCase" you can live demonstrate a checklist failure and a shock notification, for example, or any other website features
- Each case includes a demo guide



Adapter Cable for InfoLink ES/ET 4000

#829556

- InfoLink bypass
- Use on truck ES/ET 4000



Adapter Cable for InfoLink Bridge

#833493

InfoLink bypass



InfoLink CAN Terminator

#143198

Is needed for non-CAN trucks



Impact Sensor

#170051-001

Use with InfoLink to detect impacts to equipment



Adapter Cable PCAN *

#062888

- Needed for MSDT
- Needed for InfoLink firmware download



Adapter Cable for InfoLink Truck Monitor

#153088

InfoLink Bypass



Adapter Cable

#IL-Docking-01

- InfoLink
- Is needed for InfoLink firmware download

BATTERY AND CHARGER

CONTENTS

Industrial battery charger	81
Charger stands.....	84
Charger stand accessories	85
Charger stands.....	86
Charger accessories.....	87
Battery float system fill options.....	88
Battery float system kits and parts	91
Battery Air Lift System	93
Battery parts.....	94
Power cable & accessories.....	95
Battery acid indicators	95
Battery service supplies	96
Battery tools	97
Battery connector — SB.....	100
Battery connector — SBE	102
Battery connector DIN 80 A.....	104
Battery connector DIN 160 A	105
Battery connector DIN 320 A.....	106
Battery Connector LV 320/400 A.....	107

V-HFS 26C Small Model range

Single phase, **high frequency** charger for low to mid battery capacities and low nominal charge current

Product features

- **Three (3)** LED charging status indicators
- **One (1)** info push button to access the charging information
- **Display** with charging information (V, I, charging time, Ah)
- **Eight (8)** pre-programmed charging profiles

Charger available ranges	
Output voltage (V)	Nominal charge current (A)
24 V	25–40 A

Charging profiles

- All available curve descriptions can be found in the technical manuals.



V-HFS 26C Model range

Single phase, **high frequency** charger for low and mid battery capacities and mid nominal charge current

Product features

- **Three (3) LED** charging status indicators
- **One (1)** pre-programmed charging profile
- Available with **air agitation** (requires special packaging with V-HFS 27C cabinet)

Charger available ranges	
Battery voltage (V)	Nominal charge current (A)
24 V	60–70 A

Charging profiles

- All available curve descriptions can be found in the technical manuals.



V-HFS 27C Model range

Single phase, **high frequency** charger for mid and high battery capacities and mid nominal charge current

Product features

- **LCD screen** for charging profile in real time
- **Four (4) LED** charging status indicators
- **Three (3) push buttons** to access the menu for programming testing and historical data visualisation
- **Eight (8)** pre-programmed charging profiles
- Available with **air agitation**



Charger ranges	
Battery voltage (V)	Nominal charge current (A)
24 V	80–120 A
48 V	60–80 A

Charging profiles

- All available curve descriptions can be found in the technical manuals.

* Available option with air agitation (-0.5h in charging time)

V-HFS 12C Model range

Three phase, **high frequency** charger for mid and high battery capacities and mid nominal charge current

Product features

- **Display** with charging information (V, I, charging time, Ah)
- **Three (3) LED** charging status indicators
- **Three (3) push buttons** to access the charging information
- **Eight (8)** pre-programmed charging profiles
- Available with **air agitation**



Charger ranges	
Battery voltage (V)	Nominal charge current (A)
24 V	60–120A
36 V	100–140A
48 V	50–160A
80 V	70–120A

Charging profiles

- All available curve descriptions can be found in the technical manuals.
- Special VAC main available with 440VAC +/-10% 480VAC +/-10%

* Available option with air agitation (-0.5h in charging time)

V-HFS 19C Model range

Three phase, **high frequency** charger for mid and high battery capacities and mid and high nominal charge current

Product features

- **LCD screen** for charging profile in real time
- **Four (4)** charging status indicators
- **Three (3)** push buttons to access the menu for programming testing and historical data visualisation
- **Eight (8)** pre-programmed options of charging profiles
- Available with **air agitation**



Charger available ranges	
Battery voltage (V)	Nominal charge current (A)
48 V	180–200 A
80 V	140 A

Charging profiles

- All available curve descriptions can be found in the technical manuals.
- Special VAC main available 440VAC +/-10%
480VAC +/-10%

** Available option with air agitation (-0.5h in charging time)*

Overview of V-HFS models



MODEL RANGE	V-HFS 26C Small	V-HFS 26C	V-HFS 27C	V-HFS 12C	V-HFS 19C
Phase	Single-phase			Three-phase	
Mains voltage	230 VAC +/- 10% (special VAC available upon request)			400 VAC +/- 10% (special VAC available upon request)	
Output voltage	24, 36, 48V	24, 36, 48, 80V	24, 36, 48, 80V	24, 36, 48, 72, 80V	24, 36, 48, 72, 80, 96, 120V
Air agitation	No	No	Yes	Yes	Yes
Display	Yes	No	Yes (advanced)	Yes	Yes (advanced)
Charging profiles pre-programmed	8	1	8	8	8
Selectable charging profiles	Yes (via DIP switch)	No (2 options, via SW)	Yes (via buttons & SW)	Yes (via buttons)	Yes (via buttons & SW)
Charging curve	IUI				
Cabinet sizes (mm)	L 190/ H 310/ W 130	L 200/ H 365/ W 140	L 460/ H 345/ W 200	L 360/ H 550/ W 350 L 360/ H 550/ W 350	L 440/ H 665/ W 380 L 500/ H 810/ W 400
Weight (kg)	4	7.5	19	30/35	35.42 / 42–60

**different configurations for mains voltage are available to the country's grid standard at the client's request*

High-frequency single-phase charger

Technical data

V-Force lead-acid charger			Charging time by battery capacity (Ah)		
Model			7–8 h	10–12 h	Mains
26 C	24 V	25 A	150–175	200–250	230 VAC ±10% 50/60 Hz
26 C	24 V	30 A	180–210	240–300	230 VAC ±10% 50/60 Hz
26 C	24 V	40 A	240–280	320–400	230 VAC ±10% 50/60 Hz
26 C	24 V	60 A	360–420	480–600	230 VAC ±10% 50/60 Hz
26 C	24 V	70 A	429–490	560–700	230 VAC ±10% 50/60 Hz
27 C	24 V	80 A	480–560	640–800	230 VAC ±10% 50/60 Hz
27 C	24 V	100 A	600–700	800–1000	230 VAC ±10% 50/60 Hz
27 C	24 V	120 A	720–840	960–1200	230 VAC ±10% 50/60 Hz
27 C	48 V	60 A	360–420	480–600	230 VAC ±10% 50/60 Hz
27 C	48 V	80 A	480–560	640–800	230 VAC ±10% 50/60 Hz

V-Force lead-acid charger		Active power (kW)	AC current (A)	AC fuse (A)	Standard European mains plug	UK mains plug	Dimensions (mm)			Weight (kg)
Model							L	W	H	
26 C	24 V 25 A	0.80	3.50	6.0	Schuko 2 P+T/16 A	UK 13 A	190	310	130	3.4
26 C	24 V 30 A	0.96	4.20	6.0	Schuko 2 P+T/16 A	UK 13 A	190	310	130	3.4
26 C	24 V 40 A	1.28	5.60	8.0	Schuko 2 P+T/16 A	UK 13 A	190	310	130	3.8
26 C	24 V 60 A	2.03	8.90	12.0	Schuko 2 P+T/16 A	UK 13 A	210	320	180	11.0
26 C	24 V 70 A	2.37	10.40	16.0	Schuko 2 P+T/16 A	UK 13 A	210	320	180	11.0
27 C	24 V 80 A	2.56	11.20	25.0	Schuko 2 P+T/16 A	CEE 2 P+T/16 A	360	180	530	13.2
27 C	24 V 100 A	3.20	13.90	25.0	Schuko 2 P+T/16 A	CEE 2 P+T/16 A	360	180	530	16.0
27 C	24 V 120 A	3.84	16.70	25.0	CEE 2 P+T/32 A		360	180	530	16.2
27 C	48 V 60 A	3.84	16.70	25.0	CEE 2 P+T/32 A		360	180	530	16.0
27 C	48 V 80 A	5.12	22.30	32.0	CEE 2 P+T/32 A		360	180	530	16.2

For additional product information, please contact V-ForceEMEA@crowm.com

High-frequency three-phase charger

Technical data

V-Force lead-acid charger			Charging time by battery capacity (Ah)		
Model			7–8 h	10–12 h	Mains
12 C	24 V	60 A	360–420	510–600	400 VAC ±10% 50/60 Hz
12 C	24 V	70 A	420–490	595–700	400 VAC ±10% 50/60 Hz
12 C	24 V	80 A	480–560	680–800	400 VAC ±10% 50/60 Hz
12 C	24 V	100 A	600–700	850–1,000	400 VAC ±10% 50/60 Hz
12 C	24 V	120 A	720–840	1,020–1,200	400 VAC ±10% 50/60 Hz
12 C	36 V	100 A	600–700	850–1,000	400 VAC ±10% 50/60 Hz
12 C	36 V	120 A	720–840	1,020–1,200	400 VAC ±10% 50/60 Hz
12 C	36 V	140 A	840–980	1,190–1,400	400 VAC ±10% 50/60 Hz
12 C	48 V	50 A	300–350	425–500	400 VAC ±10% 50/60 Hz
12 C	48 V	60 A	360–420	510–600	400 VAC ±10% 50/60 Hz
12 C	48 V	70 A	420–490	595–700	400 VAC ±10% 50/60 Hz
12 C	48 V	80 A	480–560	680–800	400 VAC ±10% 50/60 Hz
12 C	48 V	100 A	600–700	850–1,000	400 VAC ±10% 50/60 Hz
12 C	48 V	120 A	720–840	1,020–1,200	400 VAC ±10% 50/60 Hz
12 C	48 V	140 A	840–980	1,190–1,400	400 VAC ±10% 50/60 Hz
12 C	48 V	160 A	960–1,120	1,360–1,600	400 VAC ±10% 50/60 Hz
19 C	48 V	180 A	1,080–1,260	1,530–1,800	400 VAC ±10% 50/60 Hz
19 C	48 V	200 A	1,200–1,400	1,700–2,000	400 VAC ±10% 50/60 Hz
12 C	80 V	70 A	420–490	595–700	400 VAC ±10% 50/60 Hz
12 C	80 V	100 A	600–700	850–1,000	400 VAC ±10% 50/60 Hz
12 C	80 V	120 A	720–840	1,020–1,200	400 VAC ±10% 50/60 Hz
19 C	80 V	140 A	840–980	1,190–1,400	400 VAC ±10% 50/60 Hz

Industrial battery charger

V-Force lead-acid charger		Active power (kW)	AC current (A)	AC fuse (A)	Standard European mains plug	Dimensions (mm)			Weight (kg)
Model						L	W	H	
12 C	24 V 60 A	2.03	4.51	6.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	24 V 70 A	2.37	4.39	8.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	24 V 80 A	2.71	6.02	8.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	24 V 100 A	3.39	7.52	8.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	24 V 120 A	4.07	9.03	10.0	CEE 3 P+T/16 A	360	350	550	29.2
12 C	36 V 100 A	5.02	11.15	12.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	36 V 120 A	6.10	13.54	16.0	CEE 3 P+T/16 A	360	350	550	29.2
12 C	36 V 140 A	7.12	15.08	20.0	CEE 3 P+T/16 A	360	350	550	29.8
12 C	48 V 50 A	3.35	6.19	8.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	48 V 60 A	4.07	9.03	10.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	48 V 70 A	4.58	10.17	12.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	48 V 80 A	5.24	11.63	16.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	48 V 100 A	6.55	14.53	20.0	CEE 3 P+T/16 A	360	350	550	28.6
12 C	48 V 120 A	7.85	17.44	20.0	CEE 3 P+T/32 A	360	350	550	33.2
12 C	48 V 140 A	9.16	19.74	25.0	CEE 3 P+T/32 A	360	350	550	35.6
12 C	48 V 160 A	10.10	21.54	25.0	CEE 3 P+T/32 A	360	350	550	35.6
19 C	48 V 180 A	11.27	17.98	20.0	CEE 3 P+T/32 A	500	400	810	52.2
19 C	48 V 200 A	12.52	19.98	25.0	CEE 3 P+T/32 A	500	400	810	52.2
12 C	80 V 70 A	7.30	16.22	20.0	CEE 3 P+T/32 A	360	350	550	33.2
12 C	80 V 100 A	10.67	22.98	32.0	CEE 3 P+T/32 A	360	350	550	33.2
12 C	80 V 120 A	12.52	26.98	32.0	CEE 3 P+T/32 A	360	350	550	35.6
19 C	80 V 140 A	14.30	22.81	32.0	CEE 3 P+T/32 A	500	400	810	55.4

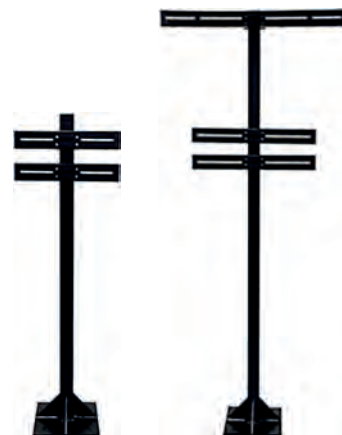


CHARGER STAND

For use with V-HFS and V-HFB

Features and benefits

- Sleek versatile design with multiple configuration options
- Heavy duty steel frame construction
- Securely anchored to the floor, where it can hold chargers safely in place
- Designed to free up valuable warehouse floor space
- Uses mounting bracket included with charger



Standard 140 cm (55") Post				
Description	Part number	Side view	Max. no. of chargers	Top view
140 cm (55") Post 46 cm (18") Single-sided arm	168383-055-18-1		1	
140 cm (55") Post 46 cm (18") Double-sided arm	168383-055-18-2		up to 2	
140 cm (55") Post 64 cm (25") Single-sided arm	168383-055-25-1		up to 2	
140 cm (55") Post 64 cm (25") Double-sided arm	168383-055-25-2		up to 4	
140 cm (55") Post 94 cm (37") Single-sided arm	168383-055-37-1		up to 3	
140 cm (55") Post 94 cm (37") Double-sided arm	168383-055-37-2		up to 6	
140 cm (55") Post 127 cm (50") Single-sided arm	168383-055-50-1		up to 4	

Tall 213 cm (84") Post				
Description	Part number	Side view	Max. no. of chargers	Top view
213 cm (84") Post 46 cm (18") Single-sided arm	168383-084-18-1		1	
213 cm (84") Post 46 cm (18") Double-sided arm	168383-084-18-2		up to 2	
213 cm (84") Post 64 cm (25") Single-sided arm	168383-084-25-1		up to 2	
213 cm (84") Post 64 cm (25") Double-sided arm	168383-084-25-2		up to 4	

Accessories

Battery Cable Retractor

#168175-001

- Use to keep battery connectors and cables off the floor at charging stations to prevent damage and wear.
- Supports up to 3 m of 50 mm² cable.
- Length: 1 m
- Diameter: 2.5 cm

Heavy Duty Battery Cable Retractor

#168175-002

- Zinc-plated, 102 cm
- Up to 66% stronger than competitive designs
- Mounting hardware included
- Includes rubber grommet clamp

Heavy Duty Battery Cable Retractor and Tender Kit

#168176-002

- Includes 168175-002 and 168284-001
- Recommended for V-HFM³ applications

Cable Clamp DC

#300038-001

- Spare part for 396625-001 and 168175-001

Tender Kit

#168284-001

- Secure large DC battery cables with or without a cable retractor.
- Superior strength and performance in the most extreme applications.
- Heavy duty clamp design with corrosion-resistant composite body.
- 40 cm single with clamp.
- Use for charger cable with 70 mm² and 95 mm² cross section

L brackets

Long L Bracket

#168283-001

- Use in conjunction with a cable retractor to keep cables elevated and off the floor
- Can be used with both our standard and heavy duty cable retractors

L-Bracket

#300460

- Includes hardware
- Use to mount cable retractor to racking

L-Bracket and Cable Retractor

#168176-001

L-Bracket with Heavy Duty
Cable Retractor Tender Kit

#168176-003

Cable Retractor with Grommet/Cable Housing

#396625-001

- Balance DC charger cables or tools weighing up to 7 kg.
- Spring tension is easily adjustable.
- Length: 1.9 m
- Use for charger cable with a 50 mm² or larger cross section

Tool Balance Swivel Mount

#300038-005

- Load capacity: 1.3–2.3 kg
- Reel weight: 0.68 kg
- Cable length: 180 cm
- The BD Series Tool Balancer is an economical choice for balancing tools up to 2.3 kg. The moulded ABS housing has a smooth exterior with rounded edges designed for maximum ergonomics. The tool balancer is easy to adjust and reliable.

Cable Retractor

#300038-002

- Heavy-duty cable retractor holds larger cables and is adjustable and lightweight.
- Retractor mount to charger stand, shelf, or wall bracket with two mounting holes.

Magnet Mount Cable Holder

#396568

- Conveniently secures battery and charger cables, preventing cable damage and clutter.
- Mount to any flat, ferrous metal surface, such as a charger stand, charger wall bracket or charger case.
- Use for charger cable with a 50 mm² or larger cross section

Rail Stop

#169244-001

- The rail stop can be installed in front of existing charging stations or with the V-Force charging stand.
- Anchor bolts are included to secure the stop to the warehouse floor.
- Dimensions: H25 cm × L86 cm

Z CHARGER STAND

For V-HFB models 2050 to 4300

Features and benefits

- Dark grey and other colours available on request
- Optimal use for pallet trucks and stackers
- Charger fits between forks of trucks
- Specified charging position
- Orderly charging area



Z Charger Stand

#849927-007
#849927-039

grey
red

To mount the V-HFB charger on the Z charger stand, use:

Brackets for V-HFB 2050-2100	#847589-001
Brackets for V-HFB 2150-4300	#847589-002

Wall Mount



Charger Wall Mount 3.20

#849928

- Suitable for mounting on a middle post
- For all V-HFB models except for 8400



Balancer Wall Mount

#850134

- For indirect charger mounting
- Compatible with all chargers
- Length: 430 mm
- For 75 mm² and 90 mm²



Charger Wall Mount 3.30

#849929

- Suitable for mounting on a staggered post
- For all V-HFB models except for 8400



Charger Wall Mount 1.00

#850135

- For V-HFB models 2050 to 4200
- Boom can swivel and expand in all directions.



AC Connector

16 A, 3-pole, 230 V	#TA0259-001	blue
16 A, 5-pole, 400 V	#TA0259-002	red
32 A, 3-pole, 230 V	#TA0259-003	blue
32 A, 5-pole, 400 V	#TA0259-004	red
63 A, 5-pole, 400 V	#TA0259-005	red
32 A, 4-pole, 400 V	#TA0259-006	red
16 A, 4-pole, 400 V	#TA0259-007	red

We also offer power studies and consulting services for your application. If you are interested, please contact v-forceemea@crown.com.



Battery Monitoring Identification Device (BMID)

#396525-BTM

- Automatically programs V-Force V-HFM/HFM³ chargers with the correct battery charge profile
- Dual profile configuration to optimise battery health and SOC for opportunity or fast charging
- Records all battery events, including temperature, charge and discharge cycles
- Current sensing up to +/- 1,300 amps.
- Electrolyte level sensor.
- Temperature probe senses battery temperature throughout the charge cycle and adjusts charge profile as needed.
- Larger toroid to accommodate 120 mm² cable.
- Rugged case construction resists shock, water and battery electrolyte spills.
- Bluetooth[®] Class 1 for improved range when connected to a laptop or tablet.
- Includes installation kit (396525-KIT).



V-HFM and V-HFM³ USB Cables

#300118

- USB A to MINI-B 2.0 cable used for programming
- For V-HFM series high-frequency chargers with laptop
- Length: 180 cm




V-HFM and V-HFM³ USB Cables

#300118-001

- USB A to Micro-B 2.0 cable used for programming
- For V-HFM³ series high-frequency chargers with laptops and Galaxy Tablets S3, S4 and S5
- Length: 180 cm

Battery float system fill options


Stationary solution



Water Tank, 60 l

#TA0281


- Shut-off valve
- Filter
- Flow indicator
- BFS water coupling, female
- Tube length: 4.7 m



Water Tank, 30 l

#TA0282

- Shut-off valve
- Filter
- Flow indicator
- BFS water coupling, female
- Tube length: 4.7 m




Water Tank Rack

#TA0283

- 50x50x50cm
- Max. 120 kg
- Without adhesive


Mobile solution



Water Trolley, 60 l

#TA0284

- Tube length: 3.5 m
- Electric pump 12 V, I/O switch with LED
- Lead acid battery gel, maintenance-free
- On-board plug-in charger



Water Trolley, 26 l

#TA0291

- Max. 12 l/min. 0.7 bar
- Spiral hose always keeps the trolley tidy and prevents tripping hazards.
- 25 cm large wheels for handling uneven terrain with ease

V-FORCE BATTERY WATERING GUN



V-Force Battery Watering Gun

#300236

Compatible with 1.6 cm (5/8") and 2.2 cm (7/8") nozzle applications.

Superior strength

- Built from rugged, engineered ABS plastic
- Elimination of weak points pressure regulator incorporated into nozzle

Ergonomically designed

- Easy-squeeze, rugged handle
- 45° bend nozzle
- Less bending over to fill battery

Flow diffuser

- Converts the rapid flow to a gentle spray
- Protects nozzle from damage

Faster fill

- 1.7 gpm (6.435 l/min)
- Spend less time watering batteries

Secure level control

- Will not move over time
- Adjustable and removable
- Pre-set for optimum level for most motive power batteries
- Bevelled to help vent well at many angles

V-FORCE DEIONISER

300226-006
V-Force Deioniser cartridge

300226-002
Purity Lite complete with T-piece

V-Force Water Deioniser

#300226-005



300227-023
Set of V-Force Deioniser couplings,
black male quick connect and black
female quick connect with check
valve.

300226-003
3 m (10 ft) input hose for
deionisers, black

300231-001
6 m (20 ft) output hose for
deionisers, black

300226-004
Flow restrictor, 1.892 l/min
(0.5 gpm) for V-Force deionisers

- Reduces the high price of buying bottled water, distilling water, or using reverse osmosis.
- System pays for itself through increased battery life and less frequent battery purchases.
- Easily disposable deioniser cartridge purifies about 600 gallons of water based on average water quality.
- System's purity light tells you exactly when cartridge is used up.
- Pressurised — can be used directly with our battery watering guns and to fill up our water tanks and carts.
- Also compatible with our Stealth watering system.
- Additional connectors and adaptors may be required (see optional equipment box below).

Adapters



Stealth Adapter for Water Injector Supplies

#300227-026



Adapter with Regulator — BFS

#300227-70A



Output Hose with Quick-Connect

#300234-002

Length: 3 m



Adapter with Regulator — BWT

#300227-70E

Battery Watering Float System Kit, 24 V

#848174-KIT-24

The kit includes the following parts:

- 12x 848174-001
- 12x 848174-011
- 1x 848174-006
- 2x 848174-008
- 1x 834092
- 1x 848174-004
- 1x 848175-001
- 1x 848175-002

Battery Watering Float System Kit, 48 V

#848174-KIT-48

The kit includes the following parts:

- 24x 848174-001
- 24x 848174-011
- 1x 848174-006
- 2x 848174-008
- 1x 834092
- 1x 848174-004
- 1x 848175-001
- 1x 848175-002



Water Filling Push-in Plug

#848174-001

- S35
- BFS



Clamp Ring

#834087

For 10 mm hose



Flow indicator

#848174-002

- Without 834087
- For 10 mm hose
- Only for liquid medium
- Max. operating pressure: 4 bar/58 psi
- Acid-resistant
- Very good visibility of flowing motion, including at a very slow current.



Filter Cartridge

#834092

- W 834087
- For 10 mm hose
- Only for liquid medium
- Max. operating pressure: 4 bar/58 psi
- Acid-resistant
- Porosity/mesh size: 100 µm
- Very simple to clean by reversal of flow direction (backflushing).



Water Coupling, Blue, Female

#848174-003

- Without 834087
- For 10 mm hose
- Only for liquid medium
- Max. operating pressure: 4 bar/58 psi
- Acid-resistant
- Very simple to couple to without additional touches.
- Decoupling via push button
- Integrated valve

#834090

- W 834087
- For 6 mm hose



Dust Cap

#848174-005

- For 848174-004



Connecting Tee

#848174-006

6/10/6 mm hose

#834084

6/6/6 mm hose



Water Coupling, Blue, Male

#848174-004

- Without 834087
- For 10 mm hose
- Only for liquid medium
- Max. operating pressure: 4 bar/58 psi
- Acid-resistant
- Very simple to couple to without additional touches.
- Decoupling via push button
- Integrated valve

#834088

- W 834087
- For 6 mm hose

Battery float system kits and parts



Angle

#848174-007

6 mm hose to water filling push-in plug



End Piece

#848174-008

6 mm hose to water filling push-in plug



Hose Clamp

#848174-009

For 10 mm hose



Hose Clamp

#848174-010

For 6 mm hose



Transparent Hose

#848175-001

6×1.5 mm

#848175-002

10×2 mm



Float Gauge

34 mm	#848174-011
44 mm	#848174-012
39 mm	#834095-001
20 mm	#834095-003
24 mm	#834095-004
49 mm	#834095-005
29 mm	#834095-006

Air Coupling, Grey, Male

#848176-001



- For 10 mm hose
- Only for gaseous medium
- Max. operating pressure: 4 bar/58 psi
- Acid-resistant
- Very simple to couple to without additional touches
- Decoupling via push button

Air Coupling, Grey, Female

#848176-002



- For 10 mm hose
- Only for gaseous medium
- Max. operating pressure: 4 bar/58 psi
- Acid-resistant
- Very simple to couple to without additional touches
- Decoupling via push button

#TA0077-002

For 6 mm hose

No image
available

Corner Piece for Battery Air Lift System

#848176-004

No image
available

L-Piece For Battery Air Lift System

#848176-005

Traction Airlift Tube



Length: 535 mm	Fits cell: PzS 125 & PzB 85	#848176-006
Length: 435 mm	Fits cell: PzS 90	#848176-007
Length: 480 mm	Fits cell: PzB 75	#848176-008
Length: 570 mm	Fits cell: PzB 100	#848176-009
Length: 640 mm	Fits cell: PzB 105	#848176-010
Length: 670 mm	Fits cell: PzS 155	#848176-011
Length: 505 mm	Fits cell: PzS 115	#848176-012
Length: 615 mm	Fits cell: PzS 140	#848176-013

PVC Pipe



- With measuring point

#849113-310-18-3

- Black Pole Screw
- M10x18
- No measuring point
- With tap and inside thread

#848173-001

- 69.5 mm
- Suitable for:
 - Fits cell: PzS 90 Ah/115/125
 - Fits cell: PzB 75 Ah/85/100

#848173-002

- 83 mm
- Fits cell: PzS 140/155

#848173-003

- 94 mm
- Fits cell: PzB 105



Cells									
Name	Part number	Standard	Length	Wide	Height 1	Height 2	Weight	Ah	Float height
Cell 2PzB 150	848166-001	PzB = British Standard	45	158	514	541	10.3	75	34
Cell 2PzB 200	848166-002	PzB = British Standard	45	158	606	633	12.3	100	34
Cell 3PzB 255	848166-003	PzB = British Standard	61	158	570	597	16.2	85	34
Cell 7PzB 735	848166-004	PzB = British Standard	125	158	686	713	40.9	105	34
Cell 2PzS 180	848166-005	PzS = DIN Standard	47	198	478	505	11.9	90	34
Cell 2PzS 250	848166-006	PzS = DIN Standard	47	198	568	595	15	125	34
Cell 2PzS 310	848166-008	PzS = DIN Standard	47	198	713	740	18.9	155	44
Cell 3PzS 375	848166-009	PzS = DIN Standard	65	198	568	595	21.2	125	34
Cell 3PzS 465	848166-010	PzS = DIN Standard	65	198	713	740	26.7	155	44
Cell 4PzS 500	848166-011	PzS = DIN Standard	83	198	568	595	27.4	125	34
Cell 4PzS 620	848166-012	PzS = DIN Standard	83	198	713	740	34.6	155	44
Cell 5PzS 450	848166-013	PzS = DIN Standard	101	198	478	505	27.1	90	34
Cell 5PzS 625	848166-014	PzS = DIN Standard	101	198	568	595	33.9	125	34
Cell 5PzS 775	848166-015	PzS = DIN Standard	101	198	713	740	42.6	155	44
Cell 6PzS 690	848166-016	PzS = DIN Standard	119	198	548	575	39	115	34
Cell 6PzS 750	848166-017	PzS = DIN Standard	119	198	568	595	40.3	125	34
Cell 6PzS 930	848166-018	PzS = DIN Standard	119	198	713	740	50.5	155	44
Cell 7PzS 1085	848166-019	PzS = DIN Standard	137	198	713	740	58.5	155	44
Cell 8PzS 1240	848166-020	PzS = DIN Standard	155	198	713	740	66.4	155	44
Cell 8PzS 920	848166-021	PzS = DIN Standard	155	198	548	575	50.6	115	34
Cell 9PzS 1035	848166-022	PzS = DIN Standard	174	198	548	575	56.6	115	34
Cell 9PzS 1395	848166-023	PzS = DIN Standard	174	198	713	740	74.4	155	44
Cell 8PzS 720	848166-040	PzS = DIN Standard	155	198	478	505	42.3	90	34



Power cable & accessories



Shrink Sleeve

Diameter=6.4 mm	#TA0123-001
Diameter=9.5 mm	#813412-007
Diameter=12.7 mm	#TA0123-002



Clamp for Exit Cable

25 mm ²	#848172-25
35 mm ²	#848172-35
50 mm ²	#848172-50
70 mm ²	#848172-70
95 mm ²	#848172-95



Exit Cable

35 mm ² , length: 1,000 mm	#848171-100-35
50 mm ² , length: 1,000 mm	#848171-100-50
35 mm ² , length: 1,500 mm	#848171-150-35
50 mm ² , length: 1,500 mm	#848171-150-50
70 mm ² , length: 1,500 mm	#848171-150-70
95 mm ² , length: 1,500 mm	#848171-150-95
50 mm ² , length: 2,000 mm	#848171-200-50
70 mm ² , length: 2,000 mm	#848171-200-70
95 mm ² , length: 2,000 mm	#848171-200-95



Terminal

For 25 mm ² cable	#834081
For 35 mm ² cable	#834082
For 50 mm ² cable	#834083

Use with M10 bolt

Battery acid indicators



Blinky

#340011-007

The Blinky Basic option is a low-cost solution for accurate electrolyte monitoring. LED blinks green when the electrolyte level is good and goes out when water is required.



Smart Blinky

#340011-009

LED blinks green when electrolyte is OK and red when water is needed.



Smart Blinky Pro

#340011-012

Intelligent battery monitoring with both light and sound. SmartBlinky Pro provides a bright electrolyte level indicator to know when to fill a battery. The LED is mounted on the battery cable near the connector for maximum visibility.

No image available

Battery Cell Bag

#300482-025

- Dimensions: 60 m x 120 cm
- Extra heavy duty poly bags are puncture-resistant and recommended for transporting industrial battery cells.
- Bags are made from 100% virgin high-clarity polyethylene film.
- Close bags with twist tie, bag tape or heat seal.



Neutralon

1 l #TA0245-001
10 l #TA0245-010

- Neutralises spilled battery acid
- Safe and easy to use due to indication of neutralisation by colour indicator.
- Does not corrode paint, rubber, cables, plastics, metals and textiles.



Battery and Connector Protection Spray

#363125-001

- 300 ml
- Plastic-safe special grease spray, designed for care and maintenance of vehicle electronics, especially battery poles and electrical connection elements.
- Ensures safe starting and a longer battery life.
- High corrosion conditioning, prevents leak currents and reduces contact resistance.



Distilled Water

5 l #TA0062-005
20 l #TA0062-020



Battery Terminal Grease

#TA0090

- Adhesive strength
- Water-repellent
- Application temperature: -30°C to +60°C



Battery Connector Contact Cleaner

#TA0290-001

- 200 ml
- Special precision cleaner for use on electronic devices and components as well as for the thorough cleaning of precision mechanics.
- Due to its mild cleaning action, this cleaner is particularly suitable for sensitive components or materials; use for:
 - Cleaning reflectors
 - Cleaning precision mechanics (bearings, springs, gear wheels, etc.)
 - Cleaning sensitive electronic components



Battery Connector Contact Lubricant

#TA0290-002

- 200 ml
- Combines the excellent lubricating and anti-corrosive properties of Vaseline with the application advantages of a spray can; use on:
 - Battery terminals
 - Cable clamps and screw connectors
 - Electrical contacts



Acid-Resistant Face Protection

#TA0052

- Clear polycarbonate lens
- Approximately 1 mm thick
- Foldable
- Temperature resistance: -30°C up to +90°C
- DIN EN 166:2001



Electrician Protective Shield

#TA0288

- Made of 2-mm-thick polycarbonate
- Includes chin guard
- Fits with TA0030
- Protects electricians against faulty switching and class 2 arcing (7 ka)
- Made entirely of plastic and suitable for use with up to 1,000 V
- Tested in accordance with EN 166 + GS-ET-29



Acid Resistant Sleeve Guard

#TA0190

- TYVEK
- Elasticised top and bottom
- Certified in accordance with Regulation (EU) 2016/425, partial body protection, category III, type PBI[6]
- EN 1412



Battery-Acid-Resistant Gloves

Size 8 #TA0048-M
Size 9 #TA0048-L
Size 10 #TA0048-XL

- ASATEX
- EN 388, EN 374, Cat. III
- Neoprene/latex
- Fully lined with cotton flocking
- Oil- and grease-repellent
- Chemical-resistant
- Food-safe



Electrician Gloves

#TA0289

- 009 size 9
- 010 size 10
- 1.6-mm thick
- Cat. III – Test voltage AC 1,000 V – Class 0
- EN 60903:2003 PSA III
- Material: Special natural rubber compounds for safe electrical protection
- High flexibility for long-wearing comfort



Acid Apron

#TA0191

- GUNOVA
- 120 cm x 90 cm
- Black
- Acid-resistant
- EN 467, EN 530, EN 863, EN 369
- Made from strong, resistant foil cut with reinforced welded plastic eyelets.

Basic Tool Battery Maintenance Case

#TA0230

- Includes the following items:
 - 001: 1x acid test
 - 002: 2x cap
 - 003: 2x cable end, 35 mm²
 - 004: 2x cable end, 50 mm²
 - 005: 2x cable end, 70 mm²
 - 006: 2x cable end, 95 mm²
 - 007: 4x aquamatik connector
 - 008: 4x float gauge, 24 mm
 - 009: 4x float gauge, 29 mm
 - 010: 4x float gauge, 34 mm
 - 011: 4x float gauge, 39 mm
 - 012: 4x float gauge, 44 mm
 - 013: 4x float gauge, 49 mm
 - 014: 2x aqua cap, female, 10 mm
 - 015: 2x aqua cap, female, 6 mm
 - 016: 2x aqua cap, male, 10 mm
 - 017: 2x aqua cap, male, 6 mm
 - 018: 2x EUW aqua coupling, female, 10 mm
 - 019: 2x EUW aqua coupling, female, 6 mm
 - 020: 2x EUW aqua coupling, male, 10 mm
 - 021: 2x EUW aqua coupling, male, 6 mm
 - 022: 2x float indicator
 - 023: 2x filter
 - 024: 2x fitting, 6-6 mm
 - 025: 2x T-coupling, 6-6-6 mm
 - 026: 2x T-coupling, 10-10-10 mm
 - 027: 2x T-coupling, 6-10-6 mm
 - 028: 2x X coupler, 6-6-6-6 mm
 - 029: 2x X coupler, 6-10-6-10 mm
 - 030: 2x adapter, 10-6 mm
 - 031: 3x end cap, 6 mm
 - 032: 4x pole screw, M10x22 mm, without measuring point
 - 033: 4x pole screw, M10x22 mm, with measuring point
 - 034: 2x flex. pole connector, 50 mm², 110 mm
 - 035: 2x flex. pole connector, 50 mm², 150 mm



T-Handle with 10 mm Thread

#352228

Use for removing V-Force lithium-ion model V-Li1 100 modules and V-Force lead acid cells



Screwdriver Kit

#832876

- WERA
- 7 pieces
- Laser tip
- VDE slot/PH with voltage tester
- Multi-component booklet with size guide system



Acid Pump

#TA0268

- Content: 6 l
- Dimensions: 30 x 30 cm disassembled (without pump)
- Probe length: 2 m



Coolant/Battery Acid Refractometer

#390221

- Portable coolant refractometer, coolant/battery
- Acid 1.15 to 1.30
- Specific gravity of battery acid
- Measures the freezing point of coolants and the charge condition of batteries



Long 1/4" Hex, 3 mm Bit

#360043-016

Use for servicing V-Force HFM3 charger electrical connections



SB Extraction Tool

#340089-001

SBE160/SBX175



Quick Cutter 2 – Heavy-Duty Cutter

#300409

- Handheld
- Cuts cable up to 6/0 gauge
- 22-inch handle for easier cutting
- Blades made of 1075 carbon steel, hardened for long life, can be resharpened
- 2-year warranty



SB Extraction Tool

#340089-002

SBE320/SBX350



Cable Stripper Knife

#832862

- Promat
- Total length: 170 mm
- Work range: 8–25 mm²
- With hook blade



Cable Shears VDE

#TA0238

- For cutting copper and aluminium cables, solid and stranded
- Hardened cutting edges with precision grinding
- Not suitable for steel wire and hard-drawn copper conductors
- Pre-cut and post-cut (1st and 2nd cutting edge) cables up to a diameter of 20 mm can also be cut



Small Acid Test Densimeter, Glass

#300406

- Professional quality for highest accuracy
- Precision-graduated specific gravity float
- Overall length: 35 cm, glass barrel: 20 cm long



Cable Cutter VDE

#TA0280

- VDE-insulated up to 1,000 V
- Max. 240mm² cable diameter
- Suitable for cutting single and stranded copper and aluminium cables
- Single-handed operation due to optimum torque transmission and ratchet operation



Acid Test Densimeter, Glass

#TA0091

Length: Approx. 56 cm





VOLTcraft VC 521 Clamp-on Ammeter

#TA0135-002

- VOLTcraft
- VC-521 E
- Max. 600 V, EN 61010-1
- Max. 10 kHz, max. 40 mOhm



Adapter Cable

#TA0135-003-004

- Benning MA 1-16 measuring adapter 16 A CEE 5-pole active



Adapter Cable

#TA0135-003-005

- Benning measuring adapter 32 A CEE-CEE, 5-pole



Adapter Cable

#TA0135-003-006

- Benning measuring adapter 16 A CEE-CEE, 5-pole



Adapter Cable

#TA0135-003-007

- Benning measuring adapter 16 A CEE 5-pole – Schuko plug



Adapter Cable

#TA0135-003-008

- Benning measuring adapter 32 A CEE 5-pole – Schuko plug



Safety Tester

#TA0135-003

- Benning ST 725
- Storage locations for 999 test samples
- 3 hot keys for storing, calling and printing the measured values



Digital Voltage and Continuity Tester

#TA0135-004

- Benning Duspul Digital
- Measure up to 1,000 V AC and up to 1,200 V DC



Digital Current Clamp

#TA0135-005

- Benning CM 9-1
- 10mV–600V AC and DC
- Current: 1 micro A–60A
- Resistance: 0.1–600 Ohm



AC Voltage Tester

#TA0287

- Measuring range: 12–1,000 V
- For non-contact testing
- Visual, acoustic and vibrating display



Adapter Cable

#TA0135-003-001

- Benning MA 1-32 measuring adapter 32 A CEE
- 5-pole active
- Active, with mains voltage-dependent switching devices
- For measuring RPE and IPE under functional operation



Printer

#TA0135-003-002

- Benning PT2 mobile label and log printer
- High printing speed due to direct thermal process
- Data transmission via Bluetooth® or RS232 interface
- Power supply via rechargeable NiMH battery pack

Printer Paper Roll

#TA0135-003-003



Self-Clamping Grommet

#TA0260-110

- Protects against contact with a stripped, live conductor
- Solid plastic
- Inside diameter: 30 mm
- 1,000 V



Plug Removal Tool

#848188



Measuring Tool Floater

#848189

- For determining the floater length

Crown recommends purchasing the following part numbers together as a starter kit: TA0135-003, TA0135-003-001, TA0135-003-002 and TA0135-003-004



Learn more about SB connectors






SB connectors are from our supplier Anderson Power Products. Please ensure that you do not replace SB connectors with those from other suppliers. Using connectors from different manufacturers can cause problems that may result in damage.

Crown offers kits as well as all parts individually. SB connectors include 2-pin connectors for 50 to 350 amps rated power.

A 3-pin version for 175 amps is also available. A set of reducing sleeves is supplied to suit different cable diameters.

There is no difference between battery plugs and battery sockets when using the coloured plugs. The advantage is that you can use the same plug for the battery, the charger, and also for the lift truck.

The colour of the battery plug indicates the battery voltage. There is also a built-in safety feature: a battery plug of one colour will not fit into a socket of a different colour.

Volts	Colour
12 V	
24 V	
36 V	
48 V	
72 V	

SB 50 A



Connector Housing Only

Red, 24 V	#340054-001
Grey, 36 V	#078723-005



Connector Housing and Contact Kits

Red, 24 V, 6 mm ²	#340054-003
Grey, 36 V, 6 mm ²	#077917-005
Red, 24 V, 16 mm ²	#340054-002



Contacts Only

6 mm ²	#078724-003
16 mm ²	#078724-005



Handle

#120573

- Plastic
- Red
- Includes hardware



Dust Cap

#155450

Red

SB 175 A



Connector Housing Only	
Grey, 36 V	#078723-002
Yellow, 12 V	#078723-004
Red, 24 V	#078723-007
Blue, 48 V	#078723-008
Orange, 18 V	#078723-010



Connector Housing and Contact Kits	
Grey, 50 mm ²	#077917-002
Yellow, 50 mm ²	#077917-004



Contacts Only	
35 mm ²	#300452-001
50 mm ²	#078724-002




Handle	
Plastic, grey	#340029-002
Plastic, red	#340029-003
Steel, red	#340029-005
Includes hardware	




Drive Block	
#077034	
• For use with quick disconnect	

SB 350 A




Connector (Housing Only)	
Yellow, 12 V	#078723-009
Orange, 18 V	#378723-015
Red, 24 V	#078723-003
Grey, 36 V	#078723-001
Blue, 48 V	#078723-006
Green, 72 V	#078723-011
Black, 80 V	#078723-012



Connector Housing and Contact Kits	
Red, 24 V, 70 mm ²	#077917-003
Grey, 36 V, 70 mm ²	#077917-001
Blue, 48 V, 70 mm ²	#380000
Grey, 36 V, 110 mm ²	#370501-689



Contacts Only	
50 mm ²	#078724-006
70 mm ²	#078724-001
85 mm ²	#078724-004
110 mm ²	#078724-007



Handle	
Plastic, grey	#340029
Plastic, red	#340029-004
Includes hardware	

Learn more about SBE connectors






SBE connectors are from our supplier Anderson Power Products. Please ensure that you do not replace SBE connectors with those from other manufacturers. Using connectors from different manufacturers can cause problems that may result in damage.

The SBE connectors are a further improvement to the SBX series and comply with the EN 1175 Part 1 standard.

They are type tested by TÜV Rheinland in accordance with Addendum C86663 EWG and can also be used with an air coupling for electrolyte circulation during battery charging.

Voltage coding

The mechanical ribs on connectors of the same colour ensure a perfect connection. Plugs of different colours cannot be connected due to this coding.

Volts	Colour
12 V	
24 V	
36 V	
48 V	
72 V	

SBE 160 A



Connector Housing Only

Red, 24 V	#108801-005
Grey, 36 V	#108801-011
Blue, 48 V	#108801-012
Black, 80 V	#108801-007



Connector Housing and Contact Kits

Red, 24 V, 50 mm²	#108800S005
Blue, 48 V, 50 mm²	#806718



Contacts Only

50 mm²	#340085
70 mm²	#108802-002



Handle


#340029-002

- Plastic, grey
- Includes hardware

#340029-003


- Plastic, red
- Includes hardware

SBE 320 A




Connector Housing Only

Yellow, 12 V	#108801-008
Red, 24 V	#108801-003
Grey, 36 V	#108801-001
Blue, 48 V	#108801-006
Green, 72 V	#108801-002
Black, 80 V	#108801-010
Brown, 96 V	#108801-004




Connector Housing and Contact Kits

Grey, 36 V, 50 mm ²	#108800-007
Grey, 36 V, 70 mm ²	#108800-001
Blue, 48 V, 70 mm ²	#108800-008
Red, 24 V, 95, mm ²	#108800-006



Contacts Only

50 mm ²	#308802-001
70 mm ²	#108802-001
95 mm ²	#108802-003
120 mm ²	#108802-004



Handle

Plastic grey	#340029
Plastic, red	#340029-004


Includes hardware

Accessories

No image available

Auxiliary Contact Kit

#340084
SBE



Drive block used on P.N. 108800-006


Drive block	#108437
Screw	#060015-025
Lock washer	#060005-006
Nut	#060021-006



Auxiliary Contact Crimp Tool Multi-Die Kit

#340084-001

Crimps 0.5–16 mm² SB, SBS, SBE, SBO, DIN80/160/320, Powerpole, Saf-D-Grid, and SPEC Pak Connectors. Includes 3 dies and plastic case



Contact Bushing

53.50–50 mm ²	#108852-001
67.23 –70mm ²	#108852-002

- Contact bushing for transition/reduction
- Used on SB and SBE

Learn more about DIN connectors

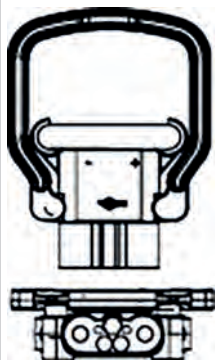
DIN connectors are from our supplier REMA. These connectors exceed the requirements of DIN 43589 for both mechanical and electrical durability and comply with EN1175 Part 1.

Three different options are available: DIN 80 A, DIN 160 A and DIN 320 A. The number indicates the required amperage.

The housing is made from glass-fibre reinforced composite material for extreme durability. Additional options such as coding pins, air supply and auxiliary contacts are available.

DIN 80 A

Socket — Housing



Housing	
Housing	#813241-101
Housing with fixed handle	#813241-100

Housing and Two Main Contacts

16 mm², grey	#813241-012
25 mm², grey	#813241-014
16 mm², grey	#813241-011
25 mm², grey	#813241-013

Housing without Fixed Handle and Two Main Contacts

16 mm², grey	#813241-002
25 mm², grey	#813241-004
16 mm², grey	#813241-001
25 mm², grey	#813241-003

Socket — Main Contact



16 mm²	#813241-108
25 mm²	#813241-109

Socket and Plug Accessories — Handle Only



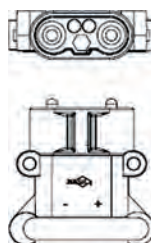
Grey	#813241-118
Red	#813241-119

Socket and Plug Accessories — Coding Pins



For wet battery, grey	#813241-122
For dry battery, green	#813241-123
For wet and dry battery, yellow	#813241-124

Plug — Housing



Housing	
Housing	#813241-102

Housing and Two Main Contacts

16 mm², grey	#813241-021
25 mm², grey	#813241-023
16 mm², grey	#813241-022
25 mm², grey	#813241-024

Plug — Main Contact



16 mm²	#813241-106
25 mm²	#813241-107


NOTE: THE SOCKET IS FOR THE BATTERY SIDE, AND THE PLUG IS FOR THE LIFT TRUCK SIDE. THE TERMS “PLUG” AND “SOCKET” REFER TO THE MAIN CONTACTS, NOT THE HOUSING.

DIN 160 A




Socket — Housing

Housing	
Housing	#813241-104
Housing with Fixed Handle	#813241-103
Housing and Two Main Contacts	
25 mm², grey	#813241-061
35 mm², grey	#813241-063
50 mm², grey	#813241-065
Housing and Two Main Contacts W/ Aux. Contacts	
25 mm², grey	#813241-060
35 mm², grey	#813241-062
50 mm², grey	#813241-064
Housing with Fixed Handle and Two Main Contacts	
25 mm², grey	#813241-051
35 mm², grey	#813241-053
50 mm², grey	#813241-055
50 mm², grey and green	#813241-056
Housing with Fixed Handle and Two Main Contacts with Aux. Contacts	
25 mm², grey	#813241-050
35 mm², grey	#813241-052
50 mm², grey	#813241-054




Socket — Main Contact

16 mm²	#813241-114
25 mm²	#813241-115
35 mm²	#813241-116
50 mm²	#813241-117



Socket and Plug Accessories — Handle Only

Grey	#813241-120
Red	#813241-121



Socket and Plug Accessories — Coding Pins

Grey	#813241-125
Green	#813241-126
Yellow	#813241-127




Socket and Plug Accessories — Pilot Contact Kit Complete

#813241-129
Kit socket and plug



Plug — Housing

Housing	
Housing	#813241-105
Housing and Two Main Contacts	
25 mm², grey	#813241-071
35 mm², grey	#813241-073
50 mm², grey	#813241-075
50 mm², yellow	#813241-076
Housing and Two Main Contacts with Aux. Contacts	
25 mm², grey	#813241-070
35 mm², grey	#813241-072
50 mm², grey	#813241-074










Plug — Main Contact

16 mm²	#813241-110
25 mm²	#813241-111
35 mm²	#813241-112
50 mm²	#813241-113

NOTE: THE SOCKET IS FOR THE BATTERY SIDE, AND THE PLUG IS FOR THE LIFT TRUCK SIDE. THE TERMS “PLUG” AND “SOCKET” REFER TO THE MAIN CONTACTS, NOT THE HOUSING.

Battery connector DIN 320 A

DIN 320 A

<div>  </div> <div> <div>Socket — Housing</div> <div> <div>Housing and Strain Relief</div> <div>Housing and Strain Relief #813241-131</div> </div> <div> <div>Housing, Strain Relief, Coding Pin and Two Main Contacts</div> <div> <div>50 mm², grey #813241-160</div> <div>70 mm², grey #813241-161</div> <div>95 mm², grey #813241-162</div> </div> </div> </div>	<div>  </div> <div> <div>Plug — Housing</div> <div> <div>Housing and Strain Relief</div> <div>Housing and Strain Relief #813241-130</div> </div> <div> <div>Housing, Strain Relief, Coding Pin and Two Main Contacts</div> <div> <div>50 mm², grey #813241-170</div> <div>70 mm², grey #813241-171</div> <div>95 mm², grey #813241-172</div> </div> </div> </div>
<div> <div>Socket — Main Contact</div> <div> <div>50 mm² #813241-135</div> <div>70 mm² #813241-136</div> <div>95 mm² #813241-137</div> </div> </div>	<div>  <div> <div>Plug — Main Contact</div> <div> <div>50 mm² #813241-132</div> <div>70 mm² #813241-133</div> <div>95 mm² #813241-134</div> </div> </div> </div>
<div> <div>No image available</div> <div> <div>Socket — Aux Contacts</div> <div> <div>#813241-141</div> <div>Adapter for auxiliary contacts and two auxiliary contacts</div> </div> </div> </div>	<div>  <div> <div>Plug — Aux Contacts</div> <div> <div>#813241-139</div> <div>Adapter for auxiliary contacts and two auxiliary contacts</div> </div> </div> </div>
<div>  <div> <div>Socket — Air Adapter</div> <div> <div>#813241-140</div> <div>(6/8 mm connection)</div> </div> </div> </div>	<div>  <div> <div>Plug — Air Adapter</div> <div> <div>#813241-138</div> <div>(6/8 mm connection)</div> </div> </div> </div>
<div>  <div> <div>Socket and Plug Accessories — Handle Only</div> <div> <div>#813241-142</div> <div> <ul style="list-style-type: none"> Handle with screws Grey </div> </div> </div> </div>	

NOTE: THE SOCKET IS FOR THE BATTERY SIDE, AND THE PLUG IS FOR THE LIFT TRUCK SIDE. THE TERMS “PLUG” AND “SOCKET” REFER TO THE MAIN CONTACTS, NOT THE HOUSING.

Learn more about LV connectors

LV connectors are from our supplier Schaltbau. These connectors exceed the requirements of the DIN VDE Standard 0623-589 and EN 1175.

We only offer one option for the required amperage of 320 A or 400 A.

The housing is made of glass fibre-reinforced composite material for extreme durability and is battery acid-resistant to DIN EN 1175.

LV 320/400 A



Socket — Housing

Housing			
Housing			#820410-055
Housing and Two Main Contacts with Coding Pin			
70 mm²	green		#820410-044
95 mm²	green		#820410-064
Housing and Two Main Contacts with Handle			
70 mm²			#164982-001
95 mm²			#164982-002
Housing and Two Main Contacts with Auxiliary Contacts			
95 mm², Pilot Contacts and Coding Pin			#340400-105



Plug — Housing

Housing	
Housing	#820410-052
Housing and Two Main Contacts	
70 mm²	#820410-042
95 mm²	#164983-002
Housing and Two Main Contacts with Handle	
70 mm²	#164983-001
Housing and Two Main Contacts with Auxiliary Contacts	
95 mm², Pilot Contacts and Coding Pin	#340400-115

No image available


Socket — Main Contact

#820410-046
70 mm²

No image available


Socket and Plug Accessories

Clamp and Screw, 3.5 × 19	#820410-054-01
Slider	#820410-053
Contact Bushing, 50 => 35 mm²	#820410-051
Contact Bushing, 70 => 50 mm²	#820410-050




Socket — Aux Contacts

#820410-057



Socket and Plug Accessories — Handle Only

#820410-020
Black



Socket — Pilot Contacts

#820410-038

No image available

Socket — Keying Plug

#820410-028

NOTE: THE SOCKET IS FOR THE BATTERY SIDE, AND THE PLUG IS FOR THE LIFT TRUCK SIDE. THE TERMS “PLUG” AND “SOCKET” REFER TO THE MAIN CONTACTS, NOT THE HOUSING.

TOOLS

CONTENTS

Toolboxes	110
Workshop requirements Garage	112
Technical equipment Maintenance	113
Workshop requirements Accessories	115
Compressed air technology	117
Light sources.....	118
Technical equipment and accessories.....	119
Hand tools Wrenches	120
Hand tools Socket wrenches	122
Hand tools Torque™ wrenches	125
Hand tools Files	125
Hand tools Pliers.....	126
Hand tools Screwdrivers.....	128
Hand tools Cutting, scraping, brushing, hammering.....	129
Hand tools Miscellaneous	130
Hand tools Wheels and tyres	132
Hand tools Measuring.....	133
Hand tools Soldering	134
Hand tools Cartridge press	134
Hand tools Oil pump and acid test.....	135
Diagnostic tools.....	136
Adapter cables	139
Brake tools	141
IC Lift Truck Tools	142
Electrical tools Extraction tools.....	143
Hydraulic Tools	145
Drive Tools.....	147



L-BOXX 102

5 troughs #TA0141-102-05
8 troughs #TA0141-102-08
12 troughs #TA0141-102-12

- Sortimo
- Incl. small parts insert



L-BOXX 136

4 troughs #TA0141-136-04
6 troughs #TA0141-136-06
8 troughs #TA0141-136-08

- Sortimo
- Including small parts insert



T-BOXX

#TA0145

Including 12 inset boxes H63



Toolbox

#TA0158

- Promat
- 5-part
- Outside W 430 × D 200 × H 200 mm
- Flanged edges
- Sheet thickness: approx. 0.7 mm



Case Tool Carry

#128321

- Dimensions: 30 × 16 × 14 cm
- 2 outside pockets with inside pockets for small parts



Tool Case *

#TA0163

- Promat
- Inside dimensions:
W 465 mm × D 255 mm × H 352 mm
- Rollers and pull-out bar can be replaced separately
- HDPE plastic
- 42 l
- Comes without accessories



Knee Board *

#TA0170

- Promat
- W 245 mm × L 490 mm × H 30 mm
- Foam (LD45)



Large Knee Board

#TA0170-001

- KS Tools
- 2 pieces that combine to form a single assembly
- W 550 mm × L 1,150 mm × H 36 mm



Kneeling Pad

#TA0063

- Würth
- 48 cm × 32 cm



Tool Bag

#322224

- Crown-branded
- Dimensions: 50 x 30 x 25 cm
- Pockets on the outside and inside for small and big parts/tools
- 1-year warranty



Backpack Tool Bag

#322231

- Crown-branded
- Up to 25 kg capacity
- Made from tear-resistant fabric
- Thermoplastic rubber bottom
- Nylon straps



Document Bag

#TA0243

- Suitable for handing over documents when buying or renting a Crown forklift. Suitable for storing parts or service manuals or other DIN A5 documents
- Colour: black with Crown.com impression
- Dimensions closed: 243 x 163 mm
- Dimensions open: 328 x 163 mm
- Depth/capacity for paper documents: slightly stretchable
- Transparent compartment for smaller, thin documents
- Transparent pocket for keeping business and emergency contact cards



Mini Tool Box

#322227

- Crown-branded
- Crown three drawer micro tool box measures 22 cm x 11 cm x 11 cm
- Black gloss paint with aluminium trim
- Perfect for storing small parts or office supplies



Top Tool Box

#322229

W 1,016 mm x D 508 mm x H 493.7 mm



Roller Cabinet

#322230

- W 101.6 cm x D 50.8 cm x H 97.8 cm (W 40" x D 20" x H 38½")
- Eleven drawers provide nearly 25.000 cubic inches (410 l) of storage space
- Double ball bearing slides on roll cabinet bottom drawer provides 250-pound capacity
- Lock-and-roll drawers
- Non-slip drawers
- Gas-assisted lifts on the top chest
- Swivel casters are lockable
- Double-wall construction
- Powder coat paint provides scratch resistance for lifetime durability
- Anti-theft locks on both chest and roller cabinet for maximum security



Tool Trolley *

#TA0269

- Columns can be swung down to lowest height (500 mm)
- Lockable with padlock (including 2 keys)
- Total load capacity (dynamic): 150 kg
- Total load capacity (static): 300 kg
- Dimensions: 650 mm x 415 mm x 965 mm
- Weight: 24.5 kg



Small Magnetic Tray

#322302

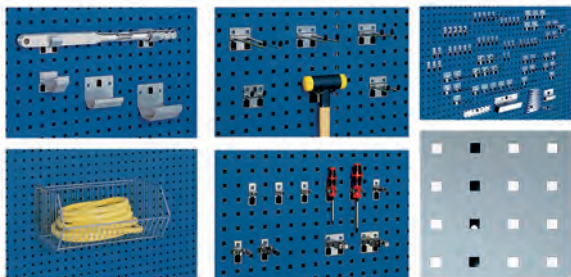
- Stainless steel
- 102 mm in diameter
- Strong magnetic tray for securing nuts, bolts, and other small parts & fasteners
- 76 mm PVC-coated magnet helps prevent scratching



Large Magnetic Tray *

#322303

- Stainless steel
- 238 mm x 137 mm
- Strong magnetic tray for securing nuts, bolts, and other small parts & fasteners
- Two 76 mm PVC-coated magnets help prevent scratching



Perforated Pegboard System **

#TA0080



Standing Console Desk **

#TA0082



Toolbox with Foam **

#TA0081



Cage with Door **

#TA0083



Table **

#TA0084



Shop Floor Equipment **

Rubbish Bin 121 l
Floor Brush
Wall Holder for #TA0029
Dust Pan
Key Locker
Bench Vice
Heavyweight Carriage
Ladder 4.7 m
Organiser Cabinet

#TA0085-001
#TA0085-002
#TA0085-003
#TA0085-004 *
#TA0085-005
#TA0085-006
#TA0085-007
#TA0085-008
#TA0085-009



Chair**

#TA0273

- Stepless seat height adjustment with top lift
- Permanent contact backrest with ergonomic design in the lumbar area
- Seat and back with imitation leather cover
- Comfortable special trough seat
- Load-dependent braked safety double castors for hard floors
- Seat height: 590–840 mm
- Seat dimensions: 460 × 430 mm

Workshop requirements | Garage



Vacuum Cleaner


#TA0193

- CLEANCRAFT
- WetCAT 133 IE
- Automatic run
- Low-noise operation
- Container resistant to oil and chemical residues

Filter Bag (5 Pieces)

#TA0193-001

- CLEANCRAFT
- Suitable for wetCAT 133 IE
- 15 l
- 5 pieces



Wet & Dry Vacuum Cleaner * **

#TA0205

- CLEANCRAFT
- WetCAT 118
- For vacuuming liquids and other solid particles
- Includes a blower function
- For dry, wet and carpet cleaning

Paper Filter Bag (10 pcs.)

#TA0205-001

CLEANCRAFT

Fabric Filter

#TA0205-002

Sponge Filter *

#TA0205-003

Wet/Dry Floor Nozzle

#TA0205-004

Flat Nozzle, Including Brush Attachment

#TA0205-005

Cartridge Filters *

#TA0205-006

Hose, 1.5 m *

#TA0205-007

Including handle with air regulator

Aluminium Suction Pipe (3 pcs.) *

#TA0205-008

- 330 mm
- Diameter: 32 mm


Technical equipment | Maintenance



Sling

Colour	Load capacity	Length	Part no.
Green	2,000 kg	1 m	#832888-002 *
Grey	2,000 kg	2 m	832888-002-02
Yellow	3,000 kg	1 m	#832888-003 *
Grey	4,000 kg	3 m	#832888-004
Red	5,000 kg	1 m	#832888-005
Blue	8,000 kg	2 m	#832888-008

- DOLEZYCH
- DIN EN 1492-2



Eye bolt *

Load capacity	Thread	Part no.
75 kg	M6	#050095-001
140 kg	M8	#050095-002
230 kg	M10	#050095-003
340 kg	M12	#050095-004

- KLEINSORGE
- DIN 580
- Steel C15, galvanised

* Included in basic technician equipment kit #TA0044-003

** Information on items, delivery times and quantity is available on request



Shackles *

Load capacity	Bracket/bolt	Part no.
400 kg	10 mm	#TA0067-002
800 kg	16 mm	#TA0067-001
1,500 kg	22 mm	#TA0067-003

- KLEINSORGE
- Straight shape
- Contour-milled
- 5 mm black on 95 mm eye bolts
- 10 pcs.



Lifter

#TA0069

- UNICRAFT
- HMH 5 hydraulic machine jack
- 5,000 kg



Tool Retractor

#300114

- Load capacity: 0.8–2.0 kg
- Extended rope length: Approx. 1.7 m



Lever Hoist with Load Chain

#TA0219

- Lever hoist for lifting and pulling with 750 kg maximum load capacity
- Design in accordance with DIN EN13157 Standard
- Galvanised load chain in accordance with DIN ISO 3077
- High-strength, painted-steel housing
- Fast hoisting of the load or pulling of the load chain in both directions by means of chain freewheeling
- Load can be securely held by load pressure brake with asbestos-free brake discs
- Drop-forged, rotating load and suspension hooks with safety device



Lifting Device

#845432

- Application: Pump and motor kit lifting
- Crown
- Used with part #845431
- Can be attached to a hoist (such as a crane)
- Designed to prevent damage to the overhead guard
- Allows vertical lifting, thereby preventing wedging/blocking
- Helps technicians work ergonomically



Lifting Device Adapter

#845431

- Application: Pump and motor kit lifting
- Crown
- Used in conjunction with part #845432
- Off-centre eye bolt for vertical lifting of pump and motor kit
- Facilitates removal of pump and motor kit from lift truck



Transport Bracket/Shackle

#843784-010	M10	600 kg
#843784-016	M16	1,500 kg

- Is used to lift the lift truck with a crane
- 360° rotatable
- 180° swivelling



Heavy-Duty Carrier

#TA0244

- Load capacity: 3 t
- Roll diameter: 85 mm
- Roll width: 90 mm
- Bearing surface: 185 x 150 mm
- Length without drawbar: 295 mm
- Width without drawbar: 230 mm
- Height with drawbar: 104 mm



Mast Lubrication Tool Kit *

#363163

- Use for greasing hard-to-reach areas in mast channels.
- The 1.8–3.6 m pro-pole provides an extension for the chip brush to grease desired areas.
- Kit includes: Pro-pole, brush holder and 76 mm straight edge chip brush.
- Replacement brush: #363163-003

Emery Cloth Sheet *

#TA0183

- Promat
- L 280 mm x W 230 mm
- Grain coarseness: 120
- For metal corundum and metal/wood processing
- Synthetic-resin-bonded abrasive cloth with dense corundum scattering
- Stable tissue
- Universal product
- Sheets



Sanding Block

#TA0187

- Promat
- L 98 mm x W 69 mm x H 26 mm
- Grain coarseness: 100, fine
- Coated on four sides, suitable for wood grinding, intermediate lacquer sanding, plastic sanding and metal cutting



Flap Wheel KM 613

#844777

- KLINGSPOR
- Diameter: 60 mm x B 50 mm x S 6 mm
- Korn 40



Grinding Disc

Grain coarseness: 40 #TA0129-125-040
Grain coarseness: 60 #TA0129-125-060
Grain coarseness: 80 #TA0129-125-080 *
Grain coarseness: 120 #TA0129-125-120

- Promat
- Diameter: 125 mm
- Cranked, INOX zirconia alumina
- For Angle Grinder #TA0129 on page 119



Grinding Wheel

#TA0078-001-01

- 115 mm
- 10 pieces
- Grain coarseness: 60



Cutting Disc

Diameter: 115 mm #TA0078-002-01
Diameter: 125 mm #TA0129-125-CD *

- 115 mm: 10 pieces
- 125 mm: 25 pieces



Window Panel Change Kit #838906 Includes:

Scraper and Knife Tool Kit

#838572

- Scraper and knife set, 27 pieces
- Ergonomic 2K scraper handle with blade clamp
- Carpet knife with multi-stage locking device
- Blade can be retracted completely



Stainless Steel Cutting Wire

#838574

- Extremely smooth surface, cuts more easily through adhesive bead
- Comes in a handy plastic dispenser roll



Vacuum Lifter

#838576

Suction lifter with 2 mobile heads



Wire probe

#838573

- For piercing adhesive bead and inserting cutting wire
- Particularly long and slender shape for flat and inclined panes



Pulling Handle

#838575

- For cutting wire



Standard Manual Cartridge Gun

#838577

- Manual cartridge gun, standard
- For applications with 310 ml cartridges





Set of Heat Shrinks *

#TA0179

- KS TOOLS
- 2.0×40–13×80
- 127 pcs.



Set of Nuts *

#TA0180

- KS TOOLS
- Metric
- 300 pcs.



Set of Hexagon Socket Screws *

#TA0181

- KS TOOLS
- Metric
- 106 pcs.



Set of High Tension Pens *

#TA0211

- KS TOOLS
- Diameter: 5–17.5 mm
- 150 pcs.



Set of Copper Sealing Rings *

#TA0214

- KS TOOLS
- Diameter: 5–17.5 mm
- 150 pcs.



Set of Flat Washers *

#TA0215

- KS TOOLS
- M3–M10
- 720 pcs.



Set of O-Rings *

#TA0177

- BGS
- 419 pcs.
- Made of NBR
- Different sizes assorted
- Resistant to acid, petrol, heat and oil



Set of Crimp Connectors *

#TA0178

- KS TOOLS
- 360 pcs.:
- Red: 0.5–2.5 mm²
- Blue: 1.5–2.5 mm²
- Yellow: 2.5–6.0 mm²



Set of Splints *

#TA0210

- KS TOOLS
- 555 pcs.
- 1.6×25.4 mm–4.0×63.5 mm



Set of Insert Lock nuts

#TA0212

- KS TOOLS
- M4–12
- 146 pcs.

Shrink Sleeve

Diameter	Length	Part no.
1.2 mm	1 m	#813412-001
1.6 mm	1 m	#813412-002
2.4 mm	1 m	#813412-003
3.2 mm	1 m	#813412-004
4.8 mm	1 m	#813412-005
6.4 mm	1 m	#TA0123-001
9.5 mm	1 m	#813412-007
12.7 mm	1 m	#TA0123-002
19.1 mm	1 m	#813412-009
25.4 mm	1 m	#TA0123-003
38.1 mm	1.2 m	#TA0075-381
50.8 mm	1.2 m	#TA0075-508



Crimping Tool Set *

#TA0207

- KS TOOLS
- 283 pcs.
- Incl. wire stripper
- Incl. assortment crimp connectors 271 pcs.
- For 0.5 mm² to 6 mm² insulated connectors
- For 0.5 mm² to 4 mm² wire end ferrules
- Easy to replace crimping dies thanks to quick-change mechanism



Small Electric Compressor *

#832835

- AIRCRAFT
- COMPACT-AIR 221/10 E
- Maximum volume flow: 185 l/min
- Maximum pressure: 8 bar
- Tank capacity: 10 l
- Filling capacity: 120 l/min
- 230 V power



Large Electric Compressor

#TA0148

- AIRCRAFT
- Compact-Air 361/20 E
- 230 V power
- Maximum pressure: 10 bar
- Filling capacity: 215 l/min
- For workshop use only
- Tank capacity: 20 l



Pressurised Air Hose *

#832851

- EWO
- Inside diameter: 6.5 mm
- Outside diameter: 10 mm
- Length: 7.5 m



Extension Nozzle for Blow Gun *

#TA0056

- AIRCRAFT
- Incl. 250 mm extension nozzle



Spray Pistol

#TA0130-002

- AEROTEC
- 1 L
- 6.3 bar
- Air consumption: 130–200 l/min
- Spray tube: 300 mm
- Steel sheet container
- Cone width of the adjustable spray jet



Blow Out Air Gun *

#832892

- AIRCRAFT
- Aluminium
- BP PRO-E



Cleaning Blowgun

#TA0130

- AIRCRAFT
- Use to clean a wide variety of materials, such as fabrics, glass, metal, plastic and painted surfaces
- Spray gun features rotating nozzle
- Support for moist and dry applications
- Variable capacity cleaning agent reservoir
- Average air requirement: Approx. 200 l/min.
- Operating pressure: 6.3 bar
- Container volume: 900 ml



Battery-Powered LED Flashlight *

#TA0232

- 3.7 V/2,000 mAh lithium-ion battery
- 2 Watt COB-LED, special light string LED for optimum illumination
- 3 additional LEDs in the flashlight head
- Continuous operating life: 3–4 h
- Charging time: 3–4 hours
- Foldable hook in the back
- 4 strong magnets integrated into the back
- Rubberised and non-slip case
- Incl. power supply unit and USB charging device, 5 V/1.0 A
- 3 possible set-ups: ON/Flashlight head only/OFF



Multifunctional Bendable Light *

#MA0188

- Dimensions: L 140 mm, W 20 x 20 mm
- For work/ensuring safety/headlight applications
- 5 light settings
- Charge via USB port



UV Flashlight

#TA0232-001

- Rechargeable anodised aluminium LED flashlight
- 3 stage LED
- Switchable to UV light
- 90° rotating head
- IP Index of Protection: IP 54
- Illumination: 450 lm
- Illumination setting 2: 300 lm, Illumination setting 3: 120 lm
- Operating life: 2–8 h
- Wavelength of UV radiation: 395 nm
- Delivery scope: 1 rechargeable battery
- COMES WITH: USB-C charging cable



Impact Wrench (without Battery)

#TA0147-002

- BOSCH
- GDS 18 V-Li HT
- Without battery
- Max. torque: 650 N m
- In case



Impact Driver (without Battery) *

#TA0147-003

- BOSCH
- GDS 18V-330 HC
- Without battery
- Max. torque: 330 N m
- In case
- Versatile thanks to three speeds/torque levels
- Torque™ levels for more flexibility and control



Angle Grinder (without Battery) *

#TA0129-AKKU

- BOSCH
- GWS 18 V-125 SC
- Without battery
- In case



18 V 4 Ah Battery *

#TA0147-001-04

- BOSCH
- ProCORE
- 4.0 Ah Li-Ion
- Weight: 0.515 kg



18V 8 Ah Battery

#TA0147-001-08

- BOSCH
- ProCORE
- 8.0 Ah Li-Ion
- Weight: 0.955 kg



GAL 1880 CV Charger *

#TA0147-001-02

- BOSCH
- Item in box



Angle Grinder 125 mm, including Case

#TA0129

- W 390 mm x D 240 mm x H 112 mm
- Diameter: 125 mm, cranked, INOX zirconia
- Can be used with Grinding Disc on page 115



Extension Cable, 25 m *

#832841

- BRENNSTUHL
- Cable drum Garant
- S240, N05V3V3
- 3 x 1.5 mm², 240 mm
- 3 socket outlets with earthing contact
- Steel sheet



Drill, 230 V Schuko

#832858

- BOSCH
- Drill GSB 780
- 2-gear, 780 W
- Hammer drill function



Cordless Screwdriver (without Battery)

#TA0147-001

- BOSCH
- GSR 18 V-EC FC2
- Without battery
- Without charging cable
- In case



Battery Angle Drill

#844585

- MILWAUKEE
- Including 2 batteries and charger
- Including bag



Offset Screwdriver Bits

#TA0197

- AEG
- 1/4"
- Corner: 30 mm, 360° handle rotatable-adjustable
- Comes with: 10 bits



Die & Screw Tap Tool Kit *

#832906

- RUKO
- Terrax threading tool set
- 44 pcs.
- M3-M12



Die & Screw Tap Tool Kit, Inch

#TA0274

- 56 pcs.
- 1/4"-1/2"



Tap Bit Set *

#TA0185

- EXACT
- DIN 3126
- 7 pcs.
- HSS-G
- 1/4", hexagonal, M3-M10
- Plastic box



Subland Twist Drill Kit *

#TA0186

- Promat
- Diameter: 4-12/4-20/4-30 mm
- HSS, spiral-grooved
- With cross-bevel
- 3 pcs.
- Plastic cassette



Ratchet for Screw Tap

M3-M10 #TA0066-001 *
M5-M12 #TA0066-002

- Promat
- Size: 1, short
- With gun



Rivet Gun for Rivet Nut

#838759

M5-M10

Technical equipment and accessories

Twist Drill



Diameter: 1.0 mm	#832837-010
Diameter: 1.5 mm	#832837-015
Diameter: 2.0 mm	#832837-020
Diameter: 2.5 mm	#832837-025
Diameter: 3.0 mm	#832837-030
Diameter: 3.5 mm	#832837-035
Diameter: 4.0 mm	#832837-040
Diameter: 4.5 mm	#832837-045
Diameter: 5.0 mm	#832837-050
Diameter: 5.5 mm	#832837-055
Diameter: 6.0 mm	#832837-060
Diameter: 6.5 mm	#832837-065
Diameter: 7.0 mm	#832837-070
Diameter: 7.5 mm	#832837-075
Diameter: 8.0 mm	#832837-080
Diameter: 8.5 mm	#832837-085
Diameter: 9.0 mm	#832837-090
Diameter: 9.5 mm	#832837-095
Diameter: 10.0 mm	#832837-100
Diameter: 10.5 mm	#832837-105
Diameter: 11.0 mm	#832837-110
Diameter: 11.5 mm	#832837-115
Diameter: 12.0 mm	#832837-120
Diameter: 12.5 mm	#832837-125
Diameter: 13.0 mm	#832837-130

- RUKO
- DIN 338, type N
- Nominal diameter: 1 mm
- HSS
- Profile ground
- Cylindrical shank
- Kit #832837-000 on page 120

Twist Drill Set *



#832837-000

- BOSCH
- Drill Bit Set, Pro Box
- HSS-G, 135°
- 25 pcs.
- 1–13 mm

Hand tools | Wrenches

Combination Wrench Kit SAE (13 Pcs.) *



#322170

- Crown-branded
- Lifetime warranty
- Includes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
- 15° offset box end knuckle clearance
- Made of heat-treated alloy steel for strength exceeding ANSI specifications

Combination Wrench Kit, Metric (10 Pcs.)



#322190

- Crown-branded
- Lifetime warranty
- Includes: 10 mm to 19 mm
- 15° offset box end knuckle clearance
- Made of heat-treated alloy steel for strength exceeding ANSI specifications

Angle Wrench Kit (6 Pcs.)



#322262

- Crown-branded
- Lifetime warranty
- Includes: 5/8", 11/16", 3/4", 7/8", 15/16", 1"

Open-End Wrench/Spanner *



30 mm	#TA0125-001
34 mm	#TA0125-002

- GEDORE 133
- CV steel

Double Open Wrench



14 × 17 mm	#TA0188-001
16 × 18 mm	#TA0188-002
19 × 21 mm	#TA0188-003
22 × 24 mm	#TA0188-004
24 × 27 mm	#TA0206

KS TOOLS/GEDORE

Ratchet Wrench Kit *



#832838

- Promat
- 12 pcs.
- Wrench size: 6–22 mm
- Form A
- CV steel

Ratchet Wrench



6 mm	#832838-001-01
7 mm	#832838-001-02
8 mm	#832838-001-03
9 mm	#832838-001-04
10 mm	#832838-001-05
11 mm	#832838-001-06
12 mm	#832838-001-07
13 mm	#832838-001-08
14 mm	#832838-001-09
17 mm	#832838-001-10
19 mm	#832838-001-11
22 mm	#832838-001-12

Double Open Wrench Kit *

#832887

- Promat
- 12 pcs.
- Wrench size: 6–32 mm
- CV steel, chrome-plated
- Wrench size: 6×7 mm/8×9 mm/10×11 mm/12×13 mm/14×15 mm/16×17 mm/18×19 mm/20×22 mm/21×23 mm/24×27 mm/25×28 mm/30×32 mm

Double Open Wrench

6×7 mm	#837887-001-01
8×9 mm	#837887-001-02
10×11 mm	#837887-001-03
12×13 mm	#837887-001-04
14×15 mm	#837887-001-05
16×17 mm	#837887-001-06
18×19 mm	#837887-001-07
20×22 mm	#837887-001-08
21×23 mm	#837887-001-09
24×27 mm	#837887-001-10
25×28 mm	#837887-001-11
30×32 mm	#837887-001-12
36×41 mm	#832896 *

Set of Ratchet Wrenches

#TA0223-SET

- Promat
- Combination ratchet wrenches
- Width across flat ends: 8 mm, 10 mm, 14 mm, 17 mm, and 19 mm
- With flexible head on all sides
- Straight shape
- CV steel
- Matte chrome-plated
- Jaw position 15°
- 72 teeth
- Recommended to use with:
 - DS 3040: 19 mm
 - InfoLink: 8 mm and 10 mm
 - Variety of covers: 13 mm

Ratchet Wrenches

8 mm	#TA0223-008
10 mm	#TA0223-010
13 mm	#TA0223-013
17 mm	#TA0223-017
19 mm	#TA0223-019

Adjustable Wrench

34 mm	22.5°	#322137
36 mm	15.0°	#TA0169 *

- Promat/GEDORE
- Length: 300 mm
- DIN 3117 A
- Chrome-plated

Adjustable Wrench, 250 mm

#322138

- Crown-branded
- Lifetime warranty
- 1 1/4"

Hex Wrench Set, 1/20"–3/8", Imperial *

#322113

- Crown-branded
- Lifetime warranty
- Includes: 0.050" to 3/8"

Hex Wrench Set, Metric *

#322114

- Crown-branded
- Lifetime warranty
- Includes: 1.5 mm to 10 mm
- Ball end allows better angle of entry for hard-to-reach areas
- Chrome-vanadium steel with black oxide finish

Torx Wrench Kit *

#832882

- Promat
- 9 pcs.
- T9 — T45
- Colour-coded
- For screws with internal TORX® profile
- S2 steel, powder-coated
- Plastic holder

Torx Wrench

#TA0240-008

TB8

#TA0240-010

TB10

Ratchet Wrench Kit, 6–32 mm *

#TA0279

- GEDORE
- 12 pcs.
- Chrome-vanadium steel



Socket Wrench Set, 1/4" (39 Pcs.) *

#322000

- Crown-branded
- Lifetime warranty
- Includes: Ratchet, universal joint, drive extensions 1-1/2" and 6", 1/4" female to 3/8" male adapter, drive spinner handle, 12 point shallow sockets from 5/32" to 9/16", 12 point deep sockets from 5/32" to 9/16", 12 point shallow sockets from 4 mm to 14 mm



Socket Wrench Set 3/8" (72 Pcs.) *

#322040

- Crown-branded
- Lifetime warranty
- Includes: Ratchet, universal joint, drive extensions 3" and 5", 3/8" female to 1/4" male adapter, 3/8" female to 1/2" male adapter, 1/2" female to 3/8" male adapter, drive spinner handle, 12 point shallow sockets from 5/16" to 7/8", 12 point deep sockets from 5/16" to 3/4", 12 point shallow sockets from 6 mm to 19 mm, 12 point deep sockets from 6 mm to 19 mm, hex head drivers from 1/8" to 3/8", Torx drivers from T10 to T55, spark plug sockets 5/8" and 13/16"
- #322041 Ratchet drive, 3/8" only
- #322043 1/2" female to 3/8" male only



Socket Wrench Set, 1/2" (16 Pcs.)

#322120

- Crown-branded
- Lifetime warranty
- Includes:
 - Ratchet
 - Drive extension 5"
 - 12-point sockets from 7/16" to 1-1/4"



Drive Socket Bit Kit *

#832853

- KS TOOLS
- CHROMEplus
- Bit socket kit, 1/2"
- 32 pieces



Set of Socket Wrenches, 1/4"-1/2"

#TA0275

- Gedore Red
- 172 pcs.
- Wrench size: 4-32 mm
- Dimensions: 450 x 350 x 85 mm
- Individual parts available on request



1/2" Multi-Angle Ratchet *

#TA0100

- ZEBRA
- Joint can be rotated 180° and fixed in the desired position, is therefore very well-suited to power tightening in different positions
- Standard: DIN 3122, ISO 3315
- Design: Chromium-plated



Half-Inch Joint Ratchet

#TA0175

- KS TOOLS
- 72 teeth
- Chrome-vanadium
- Length: 430 mm



Flex Handle, 3/4"

#TA0115

- KS TOOLS
- CHROMEplus
- 3/4"
- 1,030 mm



Hand Sockets, Long

1" #844399-001
1 1/4" #844399-002

STAHLWILLE



Hand Sockets

#844398

- STAHLWILLE
- Hexagon socket, 3/4"
- Width across flats: 46 mm
- Length: 73 mm



IN 32 Hex Sockets

#TA0070

- GEDORE
- Hexagon socket, 3/4"
- Width across flats: 17 mm
- Length: 80 mm



Bit Socket Kit, Ball Head, Long

#TA0120-001

- KS TOOLS
- CHROMEplus
- Hexagon socket, 1/2"
- Ball head
- 6 pcs.
- 5–12 mm, long



1/2" Plug Nut, Ball Head, Long

5 mm	#TA0120-001-05
6 mm	#TA0120-001-06
7 mm	#TA0120-001-07
8 mm	#TA0120-001-08
10 mm	#TA0120-001-10
12 mm	#TA0120-001-12

- KS TOOLS
- CHROMEplus
- Hexagon socket, long



1/2" Set Screw Wrench Kit, Long

#TA0120-003

- KS TOOLS
- CHROMEplus
- Hexagon socket, 1/2"
- 6 pcs.
- 5–12 mm, long



1/2" Plug Nut, Long

5 mm	#TA0120-003-05
6 mm	#TA0120-003-06
7 mm	#TA0120-003-07
8 mm	#TA0120-003-08
10 mm	#TA0120-003-10
12 mm	#TA0120-003-12

- KS TOOLS
- CHROMEplus
- Hexagon socket



1/2" Bit Socket Kit, Short

#TA0120-002

- KS TOOLS
- CHROMEplus
- Hexagon socket, 1/2"
- 7 pcs.
- 5–14 mm, short



1/2" Plug Nut, Short

5 mm	#TA0120-002-05
6 mm	#TA0120-002-06
7 mm	#TA0120-002-07
8 mm	#TA0120-002-08
10 mm	#TA0120-002-10
12 mm	#TA0120-002-12
14 mm	#TA0120-002-14

- KS TOOLS
- CHROMEplus
- Hexagon socket



Socket Wrench 1/4" TS10-TS50

#836689

1/4"



30 mm Nut for Mast, 3/4"

#TA0071

- Finish: forged, burnished
- Suitable for all commonly used pneumatic and electric screwdrivers
- Length: 58 mm



24 mm Socket 1/2", Long

#TA0107

- Finish: forged, burnished
- Suitable for all commonly used pneumatic and electric screwdrivers
- Length: 78 mm



Reducing Adapter, 1/2"-3/8"

#TA0209

- KS TOOLS
- 1/2" F-3/8" M
- Square drive, 3/8"
- Weight: 50 g



Adapter, 3/4" to 1/2"

#TA0111

- Finish: forged, burnished
- Suitable for all commonly used pneumatic and electric screwdrivers
- Length: 58 mm



Adapter, 1/2" to 3/4"

#TA0112

- Finish: forged, burnished
- Suitable for all commonly used pneumatic and electric screwdrivers
- Length: 48 mm



Bit Adapter for Ratchets 1/4"

#TA0226

Length: 30 mm



Extension for Ratchets 1/2"

#TA0225

Length: 125 mm



Extension 3/4"

#TA0106

- 250 mm
- Ball lock
- Finish: forged, burnished
- Suitable for all commonly used pneumatic and electric screwdrivers

Bit and Socket Wrench Kit

#TA0227-Set

- BOSCH
- 43 pcs.
- Selected individual parts, also available separately:
 - Bit 10 mm x 25 mm #TA0227-IN10
 - Bit 2 mm x 25 mm #TA0227-IN2
 - Bit 3 mm x 25 mm #TA0227-IN3
 - Bit 4 mm x 25 mm #TA0227-IN4
 - Bit 5 mm x 25 mm #TA0227-IN5
 - Bit 6 mm x 25 mm #TA0227-IN6
 - Bit 8 mm x 25 mm #TA0227-IN8
 - Bit PH1 x 25 mm #TA0227-PH1
 - Bit PH2 x 25 mm #TA0227-PH2
 - Bit PH3 x 25 mm #TA0227-PH3
 - Bit PZ1 x 25 mm #TA0227-PZ1
 - Bit PZ2 x 25 mm #TA0227-PZ2
 - Bit PZ3 x 25 mm #TA0227-PZ3
 - Bit S4.5 mm x 25 mm #TA0227-S4
 - Bit S5.5 mm x 25 mm #TA0227-S5
 - Bit S6.5 mm x 25 mm #TA0227-S6
 - Bit TX10 x 25 mm #TA0227-TX10
 - Bit TX20 x 25 mm #TA0227-TX20
 - Bit TX25 x 25 mm #TA0227-TX25
 - Bit TX27 x 25 mm #TA0227-TX27
 - Bit TX30 x 25 mm #TA0227-TX30
 - Bit TX40 x 25 mm #TA0227-TX40
 - Bit 2.5 mm x 25 mm #TA0227-IN2,5



Bit Handle, 1/4"

Bit Handle 1/4"

#TA0227-002

- 265 mm length
- Magnetic
- 3-component handle



Set of Socket Wrenches

#TA0228-Set

- Promat
- 5 pcs.
- Switch: SW 6 x 60 mm / SW 7 x 60 mm / SW 8 x 60 mm / SW 10 x 60 mm / SW 13 x 60 mm
- With magnet
- In bag

Socket Wrench Insert with Hexagonal Drive

6 x 60 mm	#TA0228-SW6
7 x 60 mm	#TA0228-SW7
8 x 60 mm	#TA0228-SW8
10 x 60 mm	#TA0228-SW10
13 x 60 mm	#TA0228-SW13

- Promat
- With magnet



Slide Rail Socket Holders

#322225

Note: 90-day warranty



Bit Kit for Torque™ Wrench

#850518

- Bit insert, 1/4", length: 25 mm
- Bit insert, 1/4", wrench size: 5.5 mm, hexagon nut length: 25 mm
- Bit insert hex head 2 length: 25 mm
- Bit insert 4 mm slot length: 25 mm

Hand tools | Torque™ wrenches



Torque™ Wrench, 3/8"

#322240

- Interchangeable head
- 200 N m
- Note: Lifetime warranty (excludes calibration)



Torque™ Wrench, 1/2" *

#TA0095

- Würth
- 20–100 N m
- Accuracy: $\pm 3\%$ to the set value
- Comes with calibration certificate



Torque™ Wrench

1/4" 5–25 N m #832891 *
1/2" 60–300 Nm #832854 *

- Promat



Torque™ Wrench Kit

#850517

- Wera torque wrench
- Torque range: 0.1–1.2 N m
- Length: 155 mm
- Incl. part number #850518



Torque™ Wrench

#TA0278

- 3/4"
- 140–980 N m

Hand tools | Files



Set of Files *

#832871

- Promat
- Length: 200 mm
- Cut 2
- 2K-Ergo
- Content:
 - Flat
 - Half-round
 - Round
 - Triangular
 - Rasp semi-circular



Key File Kit *

#832868

- Promat
- Length: 100 mm
- Cut 2
- Beech
- Contents
 - Flat
 - Flat-tipped
 - Round
 - Square
 - Triangular
 - Semi-circular



Thread File

For metric thread #832869 *
For inch thread (G-BSW) #832870 *

- Promat
- For reworking and cleaning of external and internal threads
- Length: 230 mm

Pipe Tongs *

#832860



Promat, Length: 560 mm, Clamping width: 0-70 mm, Span width: 5 cm (2"), Jaw position: 90°, chrome vanadium steel, drop-forged, blue-lacquered, polished, lock nut lock, pliers mouth inductively hardened

Swaging Tool

#107416



For crimping ferrules on wire rope, and for use on turret and SP 3400 height sensors

Hand Swage

#090526



Properly crimp compression fittings when repairing or replacing cable. Can be used on: SP steering cable, pallet clamp cable and TS, TSP hose take-up cable. It crimps both shielded and unshielded AIRCRAFT control cable; one-piece tool, manufacturer's instructions included

Chain Pipe Wrench 120000 *

#832895



GEDORE, 17-114 mm, blue, stove enamelled, chrome vanadium special steel, for pipes; 9.53-101.6 mm, or heavy duty accessible places, drop-forged, fully hardened and tempered, additional toothing flame-hardened

Plier Kit *

#TA0128-001



KNIPEX, 3 pieces in plastic deep-drawn part, Contents: combination pliers, stork beak pliers, side cutter

Water Pipe Wrench *

#TA0128-002



KNIPEX, DIN ISO 8976, length: 300 mm, clamping width: 60 mm, with plastic coating, head: polished, tube, diameter: 70 mm, setting positions: 30

Needle Nose Pliers *

#TA0128-003



KNIPEX, length: 200 mm, chrome-plated, 40-degree angled, 2-component cover, with cutting edge, vanadium electric steel, torsionally tolerant, elastic precision tips, serrated gripping surfaces, oil-hardened, diameter of medium-hard/hard wire: max. 3.2/2.2 mm

VDE Plier Set

#TA0277



- Brand: KNIPEX
- Insulated up to 1,000 V
- Set of: Combination pliers, snipe nose pliers, diagonal cutter, insulation stripper

Set of Pliers (4 Pcs.)

#322140



- Crown-branded
- Lifetime warranty
- Includes: Needle nose pliers, gripping pliers, side cutter, arc joint pliers

Cable Stripper *

#832863



KNIPEX, length: 160 mm, polished, 2-component sleeves with opening spring, copper/aluminium cable diameter: max. 5 mm (wire cross-section 10 mm²), 7 AWG

Side Cutter

#TA0236



- KNIPEX DIN ISO 9654
- Length: 125 mm
- For finest cutting, max. Ø 1.6 mm
- Soft wire, polished
- 2-component
- Sleeves with opening spring

VDE Cable Shears

#TA0238



- For cutting copper and aluminium cables, solid and stranded
- Hardened cutting edges with precision grinding
- Not suitable for steel wire and hard-drawn copper conductors
- By performing a pre-cut and post-cut (1st and 2nd cutting edge), cables of up to diameter of 20 mm can also be cut.

Cable Cutter VDE

#TA0280



- VDE-insulated up to 1,000 V
- Max. cable diameter of 240 mm²
- Suitable for cutting single and stranded copper and aluminium cables
- Single-handed operation due to optimum torque transmission and ratchet operation



Locking Pliers

#322118

- Crown-branded
- Lifetime warranty
- Total length: 150 mm



Locking Pliers *

#322119

- Promat
- Total length: 180 mm
- Span: Max. 35 mm



Spanner Wrench

#104836

For removal, installation and adjustment of the pallet truck lift cylinder, used on PW, PE, PC and PR



Hook Wrench

#843489

- For lock nuts per DIN 1804 and rolling bearing nuts per DIN 981
- For nuts with an outside diameter of 45–90 mm
- Comes with square mount 1/2"
- Effective length: 150 mm
- Complete length: 192 mm

Face pin wrenches, types 1, 2, 3

Part number	Wrench size	Type	Pin size
845698-035-05-1	35 mm	1	5 mm
845698-040-02-2	07–40 mm	2	2 mm
845698-040-03-3	18–40 mm	3	3 mm
845698-040-04-3	18–40 mm	3	4 mm
845698-060-03-2	11–60 mm	2	3 mm
845698-060-04-2	11–60 mm	2	4 mm
845698-080-04-3	40–80 mm	3	4 mm
845698-080-05-3	40–80 mm	3	5 mm
845698-080-06-3	40–80 mm	3	6 mm
845698-100-05-2	14–100 mm	2	5 mm
845698-100-06-2	14–100 mm	2	6 mm
845698-100-08-2	14–100 mm	2	8 mm
845698-125-06-3	80–125 mm	3	6 mm
845698-125-07-3	80–125 mm	3	7 mm
845698-125-08-3	80–125 mm	3	8 mm
845698-125-10-2	22–125 mm	2	10 mm
845698-125-12-2	22–125 mm	2	12 mm
845698-200-08-3	125–200 mm	3	8 mm
845698-200-10-3	125–200 mm	3	10 mm



Type 1



Type 2



Type 3



Plier Inner Locking Ring

#TA0161

Promat, for holes diameter: 40–100 mm, for inner rings, bent at right angles, chrome vanadium steel, conical base, oil-hardened and tempered, standard: DIN 5256 D



Plier Outer Locking Ring

#TA0160

Promat, for shaft diameters: 40–100 mm, for outer rings, straight, chrome vanadium steel, especially stable tips and good rings held in place by conical base, oil-hardened and tempered



Lock Ring Pliers J 4

#TA0196

KNIPEX, for bore diameters: 85–140 mm, straight tips, length: 320 mm



Lock Ring Pliers A 01

#TA0195

KNIPEX, for shaft diameters: 3–10 mm, 90 degrees, angled, polished, length: 125 mm



Plier Set for Locking Ring *

#TA0159

Promat, 8 pieces, 10–60 mm, comes in high-quality roller bag, can be laced



Screwdriver Kit *

#832876

- WERA
- 7 pcs.
- Laser tip
- VDE slot/PH with voltage tester
- Multi-component booklet with size guide system

Screwdriver, Cross Slot

PH 1 × 80 mm #832876-001-01
PH 2 × 100 mm #832876-001-02

- WERA
- 162i PH VDE cross slot
- 2-component handle
- Laser tip



0.4 × 2.5 × 80 mm #832876-001-03
0.6 × 3.5 × 100 mm #832876-001-04
0.8 × 4.0 × 100 mm #832876-001-05
1.0 × 5.5 × 125 mm #832876-001-06

- WERA
- 160i 3K VDE slot
- 2-component handle
- Laser tip

Voltage Auditor

#832876-002

- WERA
- 247 VDE 150–250 V, single-pole
- Length: 142 mm
- Cutting width: 3 mm
- Cutting edge thickness: 0.5 mm
- Transparent handle
- Insulated blade
- With Kraftform handle
- With metal clip



Screwdriver Set 932/6

#TA0131

- WERA
- 6 pieces
- Continuous blade 6 KT neck
- Striking cap
- Slot/PH
- Comes with wall bracket



Screwdriver

#TA0131-001

WERA, 932A, 1.6 × 9 × 150 mm, slot, 9 × 150 mm, overall length: 262 mm, multi-component handle, hexagonal roll-off protection, impact cap/continuous blade, percussion cap/continuous blade, nicromatt with BlackPoint tip



Phillips Head Screwdriver

PH 1 × 80 mm #TA0131-001-01
PH 2 × 100 mm #TA0131-001-02

WERA, 917 SPH, 2-component handle, 6-edged blade/neck, striking cap, BlackPoint tip, chrome-vanadium steel



Screwdriver

0.6 × 3.5 × 80 mm #TA0131-001-03
0.8 × 4.5 × 90 mm #TA0131-001-04
1.0 × 5.5 × 100 mm #TA0131-001-05
1.2 × 7.0 × 125 mm #TA0131-001-06

Comes with striking cap and continuous hexagonal blade, 2-component handle, nicromatt with BlackPoint tip



Screwdriver

#832849

WERA, 2.5 × 14 × 250 mm, hexagonal roll-off protection impact cap/continuous blade, 2-component handle, nicromatt with BlackPoint tip



Screwdriver Set (11 pieces) *

#322150

Includes:

- Flat head drivers:
 - 0.018" × 3"
 - 3/16" × 3"
 - 1/4" × 4"
 - 5/16" × 6"
 - 1/8" × 6"
- Phillips drivers:
 - #0 × 3"
 - #0 × 6"
 - #1 × 3"
 - #2 × 4"
 - #3 × 6"
- Gasket
- Scraper 5"

Note: Lifetime warranty



Cranked Wrench Key, PH2 + PH3

#832897



Cranked Wrench Key, 1.0 × 5.5 mm

#832898



Screwdriver, Short *

#TA0109

- PH1
- Complete length: 87 mm



Screwdriver, Short *

#TA0110

- 1.0 × 5.5
- Complete length: 87 mm



Screwstarter, Phillips Head

#322219

- Crown-branded
- 90-day warranty



Screwstarter, Flathead

#322221

- Crown-branded
- 90-day warranty



Flat Scraper

#832861



- RENNSTEIG
- Blade length: 150 mm
- Blade width: 24 mm
- Wooden handle
- Made of 8-sided chrome-vanadium steel

Cable Stripper Knife *

#832862



- Promat
- Total length: 170 mm
- Work range: 8–25 mm²
- With hook blade

Putty Knife, Plastic *

40 mm #TA0171-40
80 mm #TA0171-80



- Plastic
- Flat oval
- Stainless steel, high-gloss polished

Putty Knife *

#832880



- Width: 30 mm
- Polished
- Wood, flat oval

Wire Brush

#TA0172-265



- Promat
- Steel wire 0.3 mm, 1-row
- Crimped wire
- Length: 265 mm

Wire Brush, Brass *

#832881



- Promat
- Length: 295 mm
- Brass wire, 0.3 mm, 3-row

Wire Brush *

#TA0172-295



- Promat
- Cast steel wire, 0.35 mm, 5-row
- Smooth wire
- Length: 295 mm

Hacksaw *

#832878



- Promat
- Wooden handle, undiluted
- Pins with HSS-Bi-M.Saw blade, 300 mm

Hacksaw Blades #832878-001

- 10 pcs.

Pin Holder *

#TA0217



- Protects hands while embossing
- With loop
- For square, rectangular and round stamps

Hammer, Ball Peen

#322139



- Crown-branded
- Lifetime warranty

Hammer Simplex, Soft Head *

#832901



- HALDER
- Length: 350 mm
- Head diameter: 50 mm
- Medium hard/hard
- Wood, rubber black/plastic red

Hammer *

500 g 320 mm #832836
1,500 g 380 mm #832902
5,000 g 810 mm #832902-001



Safety Universal Cutter Knife

Cutter Knife #TA0270 *
Spare Blades (10 pcs.) #TA0270-010



- Blades can be changed without tools
- Magnet holds in blade to prevent it from falling out when changing it.
- Total length: 165 mm
- Number of blades: 3

Safety Cutter Knife and Puller

#TA0271



- 10 pcs.
- Disposable safety knife with concealed blade and 3-in-1 blade head for cutting, scraping and scoring

Safety Cutter Knife

Safety Cutter Knife #TA0272
Spare Blades ceramic (2 pcs.) #TA0272-0C2
(only for #TA0272)



- Safety blade with 18 mm cutting depth and automatic blade retraction.
- Ergonomic aluminium handle, including large soft grip on the slider.
- Safe and easy blade change.



Pry Bar Set (150 mm and 450 mm)

#322115

- Crown-branded
- Lifetime warranty
- Includes: 6" and 18"
- Heat-treated alloy steel
- Bi-mould rubberised comfort grip



Tyre Iron *

#832877

- GEDORE
- Length: 500 mm
- Chrome-vanadium steel



Pick-Up Tool, Magnetic *

#832899

- Promat
- Flexible shaft
- Total length: 440 mm
- Magnetic head: D. 6 mm
- Load: 0.5 kg



Pick-Up Tool, Magnetic

#322223

- Stainless steel shaft pick-up tool
- Shaft telescopes from 165 mm to 838 mm
- 2.25 kg
- Magnetic power for easy picking of heavy parts
- Note: 90-day warranty



Inspection Mirror (Telescope) *

#322222

- Crown-branded
- 90-day warranty
- Stainless steel shaft pick-up tool
- Shaft telescopes from 165–800 mm



Pick Set (4 Pcs.) *

#322245

- Crown-branded
- Lifetime warranty
- Includes: 45°, straight, 90°, awl



Punch and Chisel Set (8 Pcs.) *

#322220

- Crown-branded
- Lifetime warranty
- Includes:
 - 1/8" pin punch
 - 3/16" pin punch
 - 1/4" pin punch
 - 1/4" taper punch
 - 3/8" centre punch
 - 5/16" cold chisel
 - 1/2" cold chisel
 - 3/4" cold chisel



Slot/Flat Chisel *

#832872

- Promat
- Length: 240 mm
- Cutting edge width: 26 mm
- Shaft dimensions: 26 mm x 7 mm
- With hand protection
- Chrome-vanadium



Roll Pin Punch Kit, 1.5–8 mm (8 Pcs.)

Roll Pin Punch	3.175 mm	#322203
Roll Pin Punch	4 mm	#322204
Roll Pin Punch	4.7 mm	#322205
Roll Pin Punch	5.5 mm	#322206
Set		#322210 *

- Crown-branded
- Lifetime warranty
- Includes: 1.5–8 mm
- 8 pcs.



Pin Punch Set

#832873

- Promat
- 6 pcs. (3/4/5/6/8/10 mm)
- Plastic holder, DIN 6450
- Chrome-vanadium air-hardened steel
- Impact-head tempered
- Length: 150 mm



PIN Punch Set

#TA0216

- KS TOOLS
- 5 pcs.
- With hand protection handle
- 3, 4, 5, 6, and 8 mm



C-Spanner *

35–60 mm	#TA0173
60–90 mm	#TA0174

AMF



Handle and Gate Spanner Tool

#104712

- For installation and removal of torsion springs on control handles and platform gates
- Used on pallet trucks, heavy duty walkies, stock pickers and tow tractors



Metal Scriber *

#832875

- Promat
- Burnished/galvanised
- Length: 250 mm



Flat Gripping Magnet

#844315

- With threaded bushing
- Diameter: 63 mm
- M8



String for Mason

#844301

- OVERMANN
- Length: 50 m
- Diameter: 1.0 mm
- 15 kg
- Polyethylene
- Green



Plump Bob

#844302

- 300 g
- Cylindrical shape
- Steel, screw-on brass knob
- Cordless



Commutator Dressing Stones

#114888

- Removes film and dirt build-up on motor commutator
- Used on motors with limited space in endhead at commutator
- 6 pcs. in box



Shield/Screen Installation Tool, Tapered Tip

#340020-001

Used to install shields on RR/RD 5000 series, Stockpicker and Turret trucks



Shield/Screen Installation Tool Complete Kit

#340020-002

Used to install shields on RR/RD 5000 Series, Stockpicker and Turret lift trucks



Mast Roller Tool, Fixed Mast

#810705

- Crown
- Contains one tool and two rollers
- Use to determine the correct mast roller size



Mast Roller Tool, Tilting Mast

#835996

- Crown
- Contains one tool and three rollers
- Use to determine the correct mast roller size



Mini Multi-Tool

#MA0187

- Optimum grip during work
- The Safety-Lock interlocking of the individual functional parts ensures maximum work safety
- Comes with powerful, cast pliers, sharp all-purpose blade and many other functions



Abductor Accessory Universal *

#832867

- KUKKO
- 20-10-SP
- Clamping depth: 100, 200 and 250 mm
- Clamping width: 120 mm
- Tractive force: 2.5 t



Axle Remover

#090705

- For single or dual load wheel axle removal on PE, PC, PR, PW lift trucks
- One-piece tool
- Replacement rods/set of 2 — Part No. #320066



Roll Pin Insertion and Extraction Tool

#110567

- Removal and installation of load wheel axle roll pin
- Use on stockpickers and RR/RD 3000 and 5000 Series lift trucks



Quick change load wheel installation tool

For 2.88" Load Wheel #150192
For 4.12" Load Wheel #150193

Use to install quick change load wheels on reach trucks



Seal and Piston Tool Kit

#127576

- Used on series SCT 4000, SCT 5000, and SCT 6000/6200 steer cylinders
- See maintenance section, M6.0
- Kit instructions PF16486
- Individual items:
 - Seal loading tool (Part No. #127521)
 - Piston loading tool (Part No. #127522)



Ball Joint Separator

#122532

- Used to separate steering ball joint connections
- Used on FC/FP and FC 4000



Internal Puller Device

#TA0253

- KUKKO
- Model: 21-4 for holes D. 20-30 mm



Assembly Tool

#132501

- Used for installation of load wheels on stock pickers, WR and reach trucks with an axle diameter of 1.375
- This tool aligns the shims and wheels to make it easier to get the axles in



Assembly Tool

#132502

- Used for installation of load wheels on stock pickers, WR and reach trucks with an axle diameter of 0.975
- This tool aligns the shims and wheels to make it easier to get the axles in



Timkin Socket Tools

Fits locknut #060043-004	#100253-001
Fits locknut #060043-002	#100253-002
Fits locknut #060043-003	#100253-003
Fits locknut #060043-001	#100253-004
Fits locknut #060043-005	#100253-005
Fits locknut #060043-006	#100253-006
Fits lock nut #060043-010	#100253-007
Fits lock nut #135496	#100253-009

- For removal, installation and torquing of lock nuts
- Attaches to 1/2" socket wrench



Mounting Support Load Wheel *

#825455

Use on the ESR Series



Steer Bearing Cup Removal Kit

#133884

- Use to push cup-holder off of undercarriage dowel pins after bolt removal.
- Use on all RR5, RM6, RM1 and SP4 models



Tyre Adapter

#134169

- Piece for pressing the tyre bandage onto the rim.
- An additional hydraulic press is required to use the pressing piece.
- See PIB 05-08-02s
- Use for RR/RD 5000/5200



Tape Measure, 3 m, Metric

#832874

- Promat
- Length: 3 m
- Width: 16 mm
- Units: mm/cm
- EG II ABS



Tape measure, 5 M, Metric *

#MA0176

- Length: 5 m
- Width: 19 mm
- Units: mm/cm
- EG II, 2K
- Automatic



Tape Measure

#322369

- 8 m/26' tape measure
- Imperial and metric markings
- Automatic blade lock for easy use
- Magnetic hook
- Push-button retrieval
- Quick, one-finger operation
- 1-year warranty



Feeler Gauge *

#832890

- Promat
- Steel
- Blade thickness: 0.05–1.0 mm
- Length: 100 mm
- 20 sheets



Chain Wear Gauge *

#306440

- Measures chain from 3/8" up to 3" pitch chain
- Measures wear in % increments
- Allows user to track wear at each inspection
- Limits visual errors
- Easy-to-follow instructions included



Gauge Shim Assembly

#125535

- Gauge used to shim WAVE masts
- Use with Part No. #125539 and #133403
- See maintenance section for where to use



Gauge Shim Assembly

#125539

- Gauge used to shim WAVE masts
- Use with Part No. #125535 and #133403
- See maintenance section for where to use



Gauge Shim Assembly

#133403

- Gauge used to shim WAVE masts
- Use with Part No. #125535 and #125539
- See maintenance section for where to use



Water Level, 80 cm *

#TA0165

- BMI
- Aluminium, silver
- ±0.5 mm/m



Calliper *

#832903

- Promat
- DIN 862
- 150 mm
- With torque detection
- Angular
- For inside, outside and depth measurement



Digital Callipers

#320040-001

- Capacity: 0–6" (0–15 cm)
- Rugged stainless steel body and jaws
- 4-way measurement: inside, outside, depth and step
- LCD screen
- Powered by one silver oxide 1.55 V battery, type SR44
- Suitable for machinists and toolmakers



Fork Wear Callipers *

#107330

Used to gauge minimum fork thickness and maximum bore size



Chain Wear Scale

#106440

Use to check leaf and roller chain wear used for lift and steering functions



Chain Wear Gauge DE *

#818041

Gauge for checking the elongation of chains due to wear



Folding Ruler, 2 m *

#MA0023

- Crown-branded
- 2 m



Folding Ruler, 3 m

#MA0193

- Crown-branded
- 3 m



Laser GLM 40

#845582-003

- BOSCH
- Laser diode: 635 N m, < 1 mW
- Measuring range: 0.15–40
- Laser class
- Measuring accuracy, type: ±2 mm
- Measuring time, type: < 0.5 s / max. 4 s
- Power supply: 2x 1.5-V-LR03 (AAA)
- Automatic switch-off: 5 min.
- Weight: Approx. 0.09 kg
- Units of measurement: m/cm
- Dust and splash water protection per IP 54

Hand tools | Soldering



Gas Soldering Iron

#TA0184

- KS TOOLS
- Gas operation of up to 1,300°C
- With piezo ignition
- Mains-independent soldering



Gas Soldering Iron *

#TA0164

- Ersa
- 15–75 W
- Gas operation up to 580°C
- With piezo ignition
- Mains-independent soldering



Gas Cartridge *

#TA0164-001

- Ersa
- 100 ml



Soldering Wire *

#832907

- FIELDS, ISO-Core® Kolo, 1 mm, 250 g
- S-Sn60Pb40, metal: DIN EN 29453; flux: DIN EN 29454, flux filled
- For the radio and television industry, electronics and electrical appliance manufacturing, and soldering in telecommunication construction
- Melting range: 183–190°C
- Only for commercial users



Soldering Lamp *

#TA0162

- CAMPINGAZ
- Without screw cartridge
- 120 g/h
- 1.65 kW
- With piezo ignition



Gas Cartridge C206 *

#TA0162-001

- CAMPINGAZ
- 190 g
- 314 ml
- 1,800°C
- With Gas Lock System (GLS)
- Butane/propane mixture in a ratio of 80/20
- Standard EN417:2012



Soldering Iron, 230 V

#TA0057

- Ersa, 30 S
- 380°C
- Power: 30 W

Hand tools | Cartridge press



Grease Gun, 400 ml *

#TA0046

- Promat
- For 400 g cartridges/loose grease



Grease Gun, 500 ml

#TA0046-005

- Weight of only 950 g
- Maximum achievable pressure: 400 bar
- Residual emptying due to special piston shape of the SR cartridge
- Delivery rate of approx. 1.5 cm³/stroke
- Ergonomic handles
- Twin-lock system



Grease Gun, 600 ml

#TA0046-006

- Promat
- For 310 ml cartridge bags of up to 600 ml



Electric Grease Gun

#TA0285

- Suitable for:
 - 400 g pull-off cartridges per DIN 1284
 - 400 g lubricant-shuttle cartridges
 - 500 g screw-in cartridges
- Operating pressure: 400 bar
- Delivery rate: Approx. 100 g/min
- Compatible with Bosch battery system
- 18V Li-Ion battery TA0147-001-0x
- Battery not included in the package



2K Dosing Applicator

#TA0153

- MARSTON
- Suitable for 50 g double cartridges
- Plastic



Mixing Nozzle

#TA0153-001

- MARSTON
- Suitable for all double syringes, 25 g, and double cartridges, 50 g
- Plastic



Manual Cartridge Gun, Standard

#838577

- Standard manual cartridge gun
- For applications with 310 ml cartridges



Brake Bleeding System *

#TA0166

- KS TOOLS
- 1,000 ml
- Comes with collection bottle



Vacuum Suction Pump

#TA0221

- KS TOOLS
- 9.5 L
- Including 4 probes



Oil Pump Kit *

#TA0039

- Manual, 5 l
- Includes:
 - Plastic canister (#TA0039-001)
 - Oil pump manual (#TA0039-002)
 - Cap for oil container (#TA0039-003)
 - Reduction nozzle (#TA0039-004)



Acid Test Densimeter, Glass *

#TA0091

Length: Approx. 56 cm



Small Acid Test Densimeter, Glass

#300406

- Professional quality for highest accuracy
- Precision-graduated specific gravity float
- Overall length: 35 cm, glass barrel: 20 cm long



Hydraulic Pump *

#TA0037

- Content: 19 L
- Height: 65 cm
- Heat-resistant
- Incl. 3x probe (5.8/6.7/9.8 mm)



Accessories for Oil Pump *

#TA0037-001

- Connection: Quick disconnect
- Probe diameters: 4/5.8/6.7/9.8 mm
- Probe length: 1,000 mm
- Hose length: 1,700 mm



Probe for Oil Pump

#TA0037-002

- Probe, 9.8 mm
- 1,000 mm
- PVC



Manual Oil Pump, 6.5 l

#TA0059

- Contents: 6.5 L
- Height: 650 mm
- Heat resistant
- Including 3x probe (5.8/6.7/9.8 mm)



Acid Pump

#TA0268

- Content: 6 l
- Dimensions: 30 x 30 cm disassembled (without pump)
- Probe length: 2 m



Coolant/Battery Acid Refractometer

#390221

- Portable Coolant Refractometer, Coolant/Battery Acid 1.15 to 1.30
- Measures specific gravity of battery acid
- Measures the freezing point of coolants and the charge condition of batteries

CURTIS Calibrator Handset

#154158



- Used to input calibration settings, monitor inputs and outputs, and for assistance with diagnostics and troubleshooting
- Use on GPW, WAVE, PE 4000, WE/WS 2000/2300, WP 3015, WP 3020, TR 3600, PC 3600 and GPC 2000, GPW series
- See service manual (M4.2) for instructions
- Includes two cords: 154199/type MOLEX and 154200/type phone (RJ11)
- CURTIS handset cords for prior Model 1311 handset:
 - #130480 – Type MOLEX
 - #130481 – Type phone (RJ11)

Field Strength Meter

#112953



- To check field strength of guide wire
- Label on meter with instructions
- See TSB 317

Zapi Handset Kit *

#843321



- Used on:
- WP series: WP 3010; WP 3015; WP 3020; WP 3080; WP 3210; WP 3215; WP 3220; WP 3280
 - DS series: DS 3000; DS 3200
 - ST SX M series: ST 3200; SX 3200; M 3200
 - WF series: WF 3200

Kit includes:	
Handset	#837125-003
Connector cable	#838794
Adapter cable	#840946

GE Handset

#112209



- Dial-in calibration settings
- Retrieve user code numbers
- Use on FC/FP, FC 4000, RR/RD/RS, RR/RD/RS 3000, SP 3000, SP 3200, RC 3000, SC 4000, ESR 4500, EV100LX and GE SX
- Includes: Soft-sided carrying case, interconnecting cord, handset and manufacturer's instructions

Accessory items

#113972	Replacement Cord
#127085	Replacement Cord for SC 4000
#127458	Handset and Both Cords

Safety Tester

#TA0135-003



- Benning ST 725
- Storage locations for 999 test samples
- 3 hot keys for storing, calling and printing the measured values

Digital Voltage and Continuity Tester

#TA0135-004



- Benning Duspul Digital
- Measure up to 1,000 V AC and up to 1,200 V DC

Digital Current Clamp

#TA0135-005



- Benning CM 9-1
- 10 mV–600 V AC and DC
- Current: 1 micro A–60 A
- Resistance: 0.1–600 Ohm

AC Voltage Tester

#TA0287



- Measuring range: 12–1,000 V
- Non-contact testing
- Visual, acoustic and vibrating display

Adapter Cable

#TA0135-003-001



- Benning MA 1-32 measuring adapter 32 A CEE 5-pole active
- Active, with mains voltage-dependent switching devices
- For measuring R_{PE} and I_{PE} under functional conditions

Adapter Cable

#TA0135-003-004



- Benning MA 1-16 measuring adapter 16 A CEE 5-pole active

Adapter Cable

#TA0135-003-005



- Benning measuring adapter 32 A CEE-CEE, 5-pole

Adapter Cable

#TA0135-003-006



- Benning measuring adapter 16 A CEE-CEE, 5-pole

Adapter Cable

#TA0135-003-007



- Benning measuring adapter 16 A CEE 5-pole – Schuko plug

Adapter Cable

#TA0135-003-008



- Benning measuring adapter 32 A CEE 5-pole – Schuko plug

Crown recommends purchasing the following part numbers together as a starter kit: TA0135-003, TA0135-003-001, TA0135-003-002 and TA0135-003-004

Printer

#TA0135-003-002

- Benning PT2 mobile label and log printer
- High printing speed due to direct thermal process
- Data transmission via Bluetooth® or RS 232 interface
- Power supply via rechargeable NiMH battery pack

Printer Paper Roll #TA0135-003-003

**Service Terminal Kit**

#118207

- Enables monitoring service condition (malfunction) history
- Allows performing calibration procedures without opening electronic boxes
- TS, TSP, SP 3000, SP 3200, SP 3400 (not SP 3500)
- Includes:
 - Terminal keyboard with two line liquid crystal display
 - Detachable cables and connectors
 - Foam-filled shock-resistant carrying case with instruction and operating guide, "How to Use Your Crown Service Terminal" Kit instructions: PF6703
- Service Terminal #101528-001
- SP 3000 Series Wiring Harness
- Cable for Service Terminal #118845-00S
- Case #118954

**REPL. 794596 Handset**

#828000

- Use on:
- WP Series: WP 2000; WP 2300 (S); WP 2335 (S)
 - ST SX M Series: ST 3000; SX 3000; M 3000
 - WF Series: WF 3000

**V-Force Battery Monitoring Identification Device**

#396525-BTM

BMD compatible only with Crown V-Force HFM charger

**WAVE Repair Kit without Handset**

#127674-001

Kit includes:

Description	Quantity	
Potentiometer	1	#120195
Key Switch with Keys	1	#146286
Keys	1	#107151-001
Raise Switch	1	#120200-001
Lower Switch	1	#120200-002
Presence Switch	1	#128364-001
High-Speed Switch	1	#128364-002
Top Shim .015	4	#120283-001
Top Shim .025	4	#120283-002
Top Shim .035	4	#120283-003
Bottom Shim .015	4	#120284-001
Bottom Shim .025	4	#120284-002
Bottom Shim .035	4	#120284-003
ED Switch	2	#120198-001
Switch	4	#062692
Display	1	#142809
ED Contact Kit	1	#123928
15 A Fuse	2	#094362-002
40 A Fuse	2	#076924-011
Lift Solenoid	2	#084343
Fuse Holder	2	#113772
Raise/Lower Switch	1	#062595-003
Drive/Tow Switch	1	#062595-005
AC Inlet	1	#120127
PIN Link	2	#125253
Link	4	#125254
Retaining Ring	8	#060009-092
Retaining Ring	4	#060009-003
Terminal	24	#062536-001
Terminal	24	#062536-002
Connector Red	2	#062594-002
Connector Black	2	#062594-003
Connector	2	#062535-005
Decal	1	#069188
Extraction Tool	1	#118993
Extraction Tool	1	#117615
Terminal	12	#116858
Carry Case	1	#127671
Handset (only in Kit #127674-002)	1	#154158

Sevcon Calibrator

#111930-00S

- Dial-in calibration settings, check and monitor inputs from switches and accelerator potentiometer; read battery voltage, motor voltage, motor current and temperature of Mosfet controller
- Use on PE, PC, PR, PE/PC/PR 3000, TWR, TR, TWR/TR 3000, W, W, WB, WR
- Includes interconnecting cord and calibrator

**Accessory items**

#803450-018 White Connector
#803450-019 Terminal

WAVE 50 Repair Kit (with Handset)

#127674-002

**Measuring Spikes**

#TA0208

- BENNING
- 8 pcs.
- Measuring tip diameter: 4 mm
- Length: 1,000 mm
- Cat. III 1,000 V
- Contents: test leads, test prods, crocodile clips, claw gripper



**Test Lead Kit**

#TA0229-Set

- Cat III and Cat IV
- Black/red
- Type EU-200

**Safety Measuring Cable Kit**

#TA0229-001 *

- VOLTcraft MS-2
- Cat. III 1,000 V
- Black/red
- 1.2 m
- Ideal for digital volt ohm-meters
- Complies with EN61010-031:2008

**Safety Probe Kit**

#TA0229-002

- VOLTcraft MSS-102
- Cat. II 300 V
- Black/red
- 2-piece set
- Rated current: 10 A
- Bushing diameter: 4 mm
- For plugging onto 4 mm measuring leads
- Measuring tip diameter: 1 mm

**Safety Alligator Clip Plug Connection**

Black: #TA0229-003-01
Red: #TA0229-003-02

- STÄUBLI XKK-1001
- Cat. II 1,000 V
- 4 mm
- Red

**Clamp Test Probe, 4 mm, Set**

#TA0229-004-SET

Clamp test probe with rotating gripper and flexible shaft. Due to the special shape of the gripper, pins and wires up to max. 4 mm diameter can be clamped. 4 mm socket connector made of brass with side screw. Pliers additionally tin-plated in black and red.

**Backprobe Pin Set**

#320067

Slides onto test lead, narrowing the point of contact for the test lead to be used in narrow or hard-to-reach areas

**Electric Tip Needles (Black/Red) ***

Black #TA0065-001
Red #TA0065-002

- Projection: 140 mm
- Comes with particularly thin and flexible tip made of 1.0 mm thick insulated steel wire and socket for 4.0 mm plug
- Weight: 9.0 g

**Pick Up Clamp Set**

#TA0065-003

Clamping test probe with rotating gripper and flexible shaft. Due to the special shape of the pliers, pins and wires up to a maximum diameter of 4 mm diameter can be clamped. 4 mm brass socket connector with side screw, pliers additionally nickel-plated. Set contains one black and one red probe.

**Lead Kit (Clip-on)**

#101490

For use with digital (VOM) multimeters used with printed circuit boards and in close areas where standard tips may short out components. It is required on wire guidance PC boards, such as sensor amplifier boards. It includes: 2 leads with jacks and spring-loaded (1) red and (1) black probes.

**Fluke Meter Kit 179**

#100696

- Includes:
 - Fluke meter
 - Carrying case
 - Test leads
 - Thermocouple probe

Test Lead Assembly

#321359

**Shrouded Test Kit**

#121421

- For use with multimeters that accept shrouded standard diameter 0.16" (4 mm) banana plugs
- Manufacturer instructions included
- Includes:
 - 2 — #18 AWG (0.75 mm²), long test leads 48" (1.2 m), one red and one black probe.
 - Two insulated alligator clips with banana jacks, 5/16" (7.9 mm) jaw opening
 - Two spade lugs
 - One safety-grip spring-loaded hook-style test clip
 - One test lead pouch

**Handheld DVOM Digital VOLTcraft 450E ***

#TA0135-001

- VC-450 E
- Standard measurement functions: V-AC/DC, LoZ V/AC, A-AC/DC, resistance, diode test, capacitance, frequency, temperature
- Acoustic continuity test
- Data hold
- Relative measuring function
- Max./min. memory
- Auto range/manual range
- Automatic power-off (can be disabled)
- Battery condition indicator
- Automatic backlight (can be disabled)
- Integrated LED lamp
- 3-phase rotation test with 2 leads
- Measuring range V/DC: 0.1 mV–1,000 V
- Measuring range V/AC: 0.1 mV–750 V
- Basic accuracy: ±0.7 %
- Frequency range: 40 Hz–400 Hz
- Weight: Approx. 473 g

**Clamp-on Ammeter VOLTcraft VC 521 ***

#TA0135-002

- VOLTcraft
- VC-521 E
- Max. 600 V, EN 61010-1
- Max. 10 kHz, max. 40 mOhm

**Current Clamp**

#109039

- For accurate measurement of AC or DC up to 1,000 A current draw on battery without inline shunt connection
- Includes instructions



PC Download Cable

#126456

- Serial cable for downloading software onto RR 5000 Series trucks & SP 3400/3500
- See kit instructions PF16547



USB to Serial RS232 Adapter Cable

#320058

Use for downloading software onto RR 5000, RR 5200 and SP 3400 traction modules



PCAN USB CAN Adapter Cable *

#828123

- USB-CAN Converter
- Use with six pins can interface with connections needed to upload software to lift truck
- See kit instructions PF16877
- Use for MSDT
- Needed for downloading InfoLink firmware
- Use with PCAN #062888 on page 75
- Needed for V-Force lithium-ion batteries



PCAN Adapter Cable *

#062888

- Needed for MSDT
- Needed for downloading InfoLink firmware



ASM Cable

#102226

- Use for terminal #118207 on page 137
- TS/TSP



RS-232 Extension Cable

#823405



Adapter Cable

#809250-001

Use on LP 3500 (plug)



Adapter Cable

#809250-002

Use on LP 3500 (cable)



Cable for Service Terminal

#118845-00S

Use on SP 3500



Charger Cable

#127490

Use on WAVE/WP 3000



Static Field Service Kit

#101491

- Use to prevent damage to static sensitive components while handling or working with them
- Includes: Work mat, 4.5 m ground cord, adjustable wrist strap, coiled ground cord and manufacturer's instructions



DEUTSCH BDI Adapter Cable

#818624

Use on GPC 3000



Adapter Cable

#791652-001

- EV T6 cable
- Use on truck ESR 4500



MOLEX Adapter Cable

#130480

- Use on Handset #154158 on page 136
- Use on GPC 2000



RJ11 Adapter Cable

#130481

- Use on Handset #154158 on page 136
- Use on GPC 2000



USB to RS-232 Adapter Cable

#834874

- USB adapter
- Use on TSP 7000



Adapter Cable for Handset

#838794

- Use on Zapi Handset #843321 on page 136
- Use on WP 3000



RJ11 Adapter Cable

#812880

Use on GPC 2000



RS-232 Adapter Cable

#RS-Docking-02

- RS-232-CD3-022012 Adapter Cable
- Use on ESR 5000(S)



Adapter Cable Software Download

#151567

WAVE

Adapter cables



USB QPR Laser Adapter Cable

#834998

Use on GPC 3000



Zapi Adapter Cable

#840946

- For Zapi Handset #843321 on page 136
- Use on trucks WP 3010, WP 3080 and DS3040



Adapter Cable

#127085

Adapter for Handset #112209 on page 136



RJ11 Adapter Cable for CURTIS

#836677

RJ11 –CURTIS



Cable Adapter for CURTIS

#125736

Handset cord for CURTIS #154158 on page 136



PC to SICK S3000 Adapter

#834875

Use on TSP 7000



ESR 1000 Download Cable

#066306-001

- Update/download
- Lift truck software
- Use for ESR 1000 Series



USB Adapter Cable Branch Tab

#TA0118

- USB cable with one type A (female) and one micro B (male) connector
- Length: 150 mm



Isolator Connector

#062785-001

Use on RR 5000 Series when downloading software



Commutator Brush Stone Set

#101582

- For dressing commutators.
- Used on all Crown brush style motors for lifting, steering and accessories.
- Includes: Holder with 2 stones
- Individual Items: Green finish stones/qty. 6 (#101581: 1" x 3/4" x 5/16")



Trimpot Adjustable Tool

#107369

- Use to adjust trimpots (variable resistors).
- Use on traction and pump controls with trimpot tune-up adjustments



USB Cables

#300118

- USB A to MINI-B 2.0 cable used to program V-HFM Series High Frequency Chargers
- Length: 180 cm

#300118-001

- USB A to Micro-B 2.0 cable used to program V-HFM³ Series High Frequency Chargers
- Length: 180 cm



Cacale Molex Adapter

#804695



USB 3.1 Type C/A Adapter

#TA0154

USB C Male/USB A Female



USB Stick, 16 GB

#TA0241

- Transfer rate of up to 80 MB/s with USB 3.0
- Only 8 grams
- Compact dimensions: 22 x 56 x 10 mm



RC Brake Special Nut

#114050

For assembly and disassembly of brake actuation spring. Use on RC with disc brakes



RC Brake Adjustment Threaded Tube

#114051

For assembly and disassembly of brake actuation spring. Use on RC with disc brakes



Riveter Press

#114518

- Use to replace brake pads on SP 3000 Series and SC and SC 4000 trucks
- Use with brake lining rivet tool #112397



Brake Lining Rivet Tool

#112397

- Use to replace brake linings on SP 3000 Series and SC & SC 4000 trucks.
- Use with Riveter Press #114518



Telescoping Gauge

#300089

Use to check power brake wear on RST-50 and C-5 models with power brake option



Brake Release Tool

#127373

- Use to release drive brake
- Use on RR 5000 Series trucks, RM/RMD 6000/S. See TSB 412
- Use with Harness Adapter (Part No. #129694)



Brake Adapter Harness

#129694

- Use with Brake Release Tool (Part No. #127373) on RR 5000 Series trucks
- See TSB 412



Brake Release Tool

24 Volt
36/48 Volt

#139956-001
#139956-002

- Use to release drive brake
- Use on SC 4500 and RC 5500 Series trucks
- See Kit Instructions PF16819



Piston Removal Tool

#126431

- Use on FC/FP with power disc brakes and FC 4000 Series
- Removes piston from service brake.



Brake Pedal Distance Gauge

#832575

- Apply to brakes
- Gauge for checking the brake pedal distance



Riveter Base

#119343

- Use with #114518 on SP 3000 Series
- See maintenance section, (M5.0), for instructions



Brake Lining Setting Gauge

#120988

- For setting brake lining prior to installing brake drum.
- Use on FC/FP
- For instructions, see Maintenance and Service Manual (Section M5.0)



Retainer Ring Assembly Tool

#132417

- Use to disassemble caster and brake
- Use to perform assembly on RR 5000S class Series only
- Kit instructions: PF16763

C-5 Engine Tools



Hydraulic Lifter Bleed-Down Tool

#141920

Use to disperse oil from the lifters on C-5 when replacing the cylinder head



Look 4024 Flywheel Timing Pin

#144998



Electronic Data Link Kit

#145005

Use for downloading RST-50 & C-5 software onto truck



Compression Gauge and Hose Assembly

#145739

High quality snap-on engine compression gauge for measuring cylinder compression on internal combustion engines



Compression Test Assembly

#145006

Adapter to be used with the #145739 Engine Compression Gauge. This is required for measuring cylinder compression on C-5, RST-50 and RP-50 internal combustion forklifts



Compression Gauge Check Valve

#145740

C-5 Transaxle Tools



Bearing Installation Tool

#145012

- Use to assist in removing drive axle hubs
- Fits into end of axle on RST-50 and C-5 models to give puller tool a platform to press against



Bushing Installation Tool

#144931

Use to install drive axle bushings (#145321) on RST-50 and C-5 models



Axle Hub Alignment Tool

#143129

- Use to install drive axle hub on RST-50 and C-5 model
- Helps align hub and protects hub seal when installing drive hubs
- Use with #143130 axle hub alignment tool



Axle Hub Bearing Driver Tool

#143130

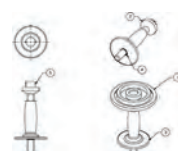
- Use to install drive axle hub on RST-50 and C-5 models
- Use with #143129 axle hub alignment tool



Transmission Pressure Test Kit

#360042

Use to check C-5/RST transmission pressures during troubleshooting



Hub Seal Installation Tool

#065208

- Use to install drive hub inner seals on RST-50 and C-5 models.
- Helps to position seal at the correct depth and prevents seal damage.



Spanner Tool

#100455

- Use for removal, installation and torquing of the axle lock nuts.
- Use on RC, SC, Reach, TSP, TS and SP 3000 Series

AMP

AMP Crimper



Use on	Connector series	Crown contact	Part no.
Multi-lock 040	062663-XXX		#062726-004
Ampseal, FC	62721-001		#062726-006

Unlocking Tool



Use on Crown contact	Part no.
062882-001	#146583-001
062882-002	#146583-002

- Use for removal of contacts
- AMP and TYCO style

Crimping Tool *

#090118



- For stripping insulation and crimping new terminals on light-gauge electrical wire for insertion into Mate-N-Lock connectors (AMP style)
- Works on 062037 connectors and 062036 contacts
- See TSB 173
- One-piece tool

Crimping Tool



Used on Crown contact	Part no.
062090-XXX	#110965

- Serial link cable terminal crimping also used on TS, TSP trucks for the terminals in the screw-on connectors on the electronics boxes
- Instructions not available (AMP style)

Unlocking Tool

#090117



- Removal of the Mate-N-locking pin and socket contacts from various AMP connector blocks
- See TSB 173 and TSB 175
- Includes one-piece tool with manufacturer's instructions

Unlocking Tool

#100380



- For removal of the Mate-N-locking pin and socket contacts from various AMP connector blocks
- One-piece, spring-loaded tool with manufacturer's instructions

Unlocking Tool

#100381



- For removal of AMP leaf contacts from sensor amplifier PC board receptacle
- For trucks with wire guidance systems
- For contact removal on receptacles
- One-piece, spring-loaded tool with manufacturer's instructions

Crimping Tool

Use on Crown contact	Part no.
062090-XXX	#100521



- For extracting and inserting AMP male and female contacts on screw-on connectors
- Use in the electronics boxes on the 40TS/30TSP trucks
- Two-piece mated plastic tool (blue end for insertion, white end for extraction)

Unlocking Tool

Use on Crown contact	Part no.
0062036-XXX	#093493



- For removal of lead assemblies from printed circuit board connector receptacles
- Use on RR, RS, RD and TS trucks, RR, RS and RD circuit selector box, lamps and PC boards (AMP style)
- See TSB 175

Unlocking Tool

#126884



- For extracting and inserting AMP male and female contacts on screw-in connectors
- Use on truck ESR 4500

Insertion Tool

#126885



25 replacement tips for extraction tool (#126884)

Unlocking Tool

#100522



- Removal of contacts from connectors on traction SCR control, EV100 controls (MP style)
- Use on FC

Unlocking Tool

#118993



- For removing sockets from connector
- Use with 062536 terminals
- AMP style, miniature rectangular Mate-N-Lock connectors
- Use on WAVE

Insertion Tool

#100382



- For insertion of unstripped electrical leads into MTA 100 connectors to form a reliable connection
- One-piece tool.

Insertion Tool

#100524



- For insertion of unstripped electrical leads into MTA 156 connectors to form a reliable connection
- Use on TS/TSP
- One-piece tool

CANNON

Unlocking Tool

#100379

- For removal of pins from the sensor assembly connector.
- Use on lift trucks with Portec wire guidance (CANNON style)

Crimping Tool

Use on Crown contact	Part no.
062589, 062588	#118504

- For removal of pins from the sensor assembly connector
- Use on trucks with Portec wire guidance (CANNON style)
- Use on TSP 6000
- Crimp terminals 062589 and 062590 (CANNON style)

Unlocking Tool

Use on Crown contact	Part no.
062589, 062588	#118505

For removing pins on Part nos. #062587 and #062588, CANNON style connectors

DEUTSCH

Extraction Tool

Use on Crown contact	Part no.
062704-XXX, 062797-XXX	#062706

Used to remove DEUTSCH pin and socket contacts from DT, DTM, TS and TSP connectors

Crimping Tool *

Use on Crown contact	Part no.
062704-XXX, 062797-XXX	#062737-002

For stripping insulation and crimping new terminals on light gauge electrical wire for insertion into DEUTSCH DT, DTM, TS and TSP connectors

MOLEX

Unlocking Tool

Use on Crown contact	Part no.
116858, 803450-XXX	#117615

For removing pins from mini fit connectors. Use on GPW with CURTIS 1207 transistor controller and WP 2000 wiring harness handle

Crimping Tool

Use on Crown contact	Part no.
116858, 803450-XXX	#117636

For crimping mini fit terminals to wires. Use on GPW with CURTIS 1207 transistor controller. Manufacturer's instructions included. Use on WP 2000

PACKARD

Crimping Tool

Use on Crown contact	Part no.
062729-XXX	#320051

- For crimping Packard pin and sleeve terminals.
- Crimps terminals and seals in a single cycle

Unlocking Tool

Use on Crown contact	Part no.
062729-XXX	#320053

For removing pins from PACKARD connectors

Crimping Tool

Use on Crown contact	Part no.
062896-XXX	#320052

- For crimping Packard Metri-pack 150 & 280
- Sealed 20-14 gauge terminals
- Core & insulation wings are crimped in a separate motion

Extraction Tool

Use on Crown contact	Part no.
062896-XXX	#320054

For removing terminals in Packard Metri-pack 150 & 280 connectors

WEIDEMUELLER

Crimping Tool

#803964
WE/WS

Unlocking Tool

#803965
For removal of pins from WE/WS

Crimping Tool

#803452-003

Use on Crown contacts:

- #803452-005
- #803452-006
- #803452-008

For stripping insulation and crimping Weidemueller terminals.

SB Extraction Tool

SBE160/SBX175	#340089-001
SBE320/SBX350	#340089-002

Unlocking Tool Kit *

#TA0200

Includes 12 pcs.:

- DEUTSCH secondary interlocks (#TA0200-F425)
- Relay Socket and AMP Super Seal (#TA0200-F505)
- DEUTSCH contacts (#TA0200-F595)
- TYCO Junior Power Timer and Standard Power Timer (#TA0200-G105)
- TYCO Micro Timer (#TA0200-G174)
- TYCO Junior Power Timer and Standard Power Timer (#TA0200-G250)
- MOLEX Mini-Fit (#TA0200-G360)
- Connector with deeper secondary interlock (#TA0200-H970)
- DEUTSCH Connector (#TA0200-H995)
- AMP Mini-Mate-N-Lock (#TA0200-R725)
- DEUTSCH IPD DRC16 40s (#TA0200-R830)
- DEUTSCH IPD DRC16 40s (#TA0200-R835)

Plastic Case with Two Foam Inserts

#TA0200-K2000

For retrofitting



Hydraulic Tools

Cap Socket

#117318

For removing cap on primary lift cylinder on TSTN, TSPTN



Test Plug Assembly (7/8" - 14)

#092177

- Use to isolate faulty hydraulic component valves
- All Crown lift trucks using 7/8" - 14 thread hydraulic external component valves, except relief valves
- One-piece plug with sealing rings



Test Plug Assembly (3/4" - 16)

#093391

- Use to isolate faulty hydraulic component valves
- All Crown lift trucks using 3/4" - 16 thread hydraulic external component valves, except relief valves
- One-piece plug with sealing rings



Spanner Tool

#108641

Use to adjust hose take-up used on TS and TSP



Velocity Fuse Tool

#126400

- For removal of velocity fuse in left-hand cylinder
- Use on RR/RD 5000/5200/5700 standard and S class trucks



Velocity Fuse Tool

#847895

- For removal of velocity fuse #811336
- Use on ST 3000, SX 3000, DT 3000, WP 3015/3020/3080, WD 2300/S, ESi/ETi 4000, WF 3000, ES/ET 4000, MPC 3000 and WP 3215/3220/3280



Velocity Fuse Tool

#849982

- For removal of velocity fuse #810648
- Use on ST 3000, SX 3000, DT 3000, ESi/ETi 4000, WF 3000, ES/ET 4000, WD 2300, MPC 3000, DS 3000, RTD 4000 and M 3000



Hydraulic Pressure Gauge

#104812

- Use to check hydraulic systems pressure on truck
- Use on all Crown lift trucks except tow tractors
- Includes: gauge, 36" hose (91 cm) and fitting (1/2" NPT) for TS/TSP model trucks
- All other models of trucks require the fitting and connector listed below, which are not included with gauge



Coupler

#123321



Connector

#064005-003





Accumulator Charging Tool

#103623-004

- For charging and testing bladder- and diaphragm-type nitrogen-charged accumulators
- Accumulators used on turrets and stock pickers
- Includes: Gauge, valve, hose, adapter for nitrogen tank, carrying case and manufacturer's instructions



Hose Pulling Tool

For 3/4" – 16 fitting, use #106465-001
For 9/16" – 18 fitting, use #106465-002

- Use to couple replacement hose to existing hose for ease of replacement
- Kit Instructions PF8075



Piston Retainer Tool *

#816908

- Use on PTH 50 Hydraulic Unit (Part no. #816814-001) to keep spring down



Poly Pack Seal Tools

#091240-001 to #091240-020

- Aids in installing seals in poly pack or rod packing cylinders
- One tool per dash number, i.e., #091240-004, represents one specific size tool
- See TSB 155 and TSB 193



Puller Tilt Cylinder

#844187

- Use to dismantle tilt cylinder
- Designed to prevent damage during disassembly of the tilt cylinder, which is located in the fork carriage



Pressure Gauge

#300098

- 4,000 PSI single gauge
- 0 to 4,000 PSI
- Quick Disconnect (Part No. #123321)
- Use on RST 50 and C-5



Coupler

#123321

- Use on Part-No. #300098 and #104812



Fitting

#123887



Fitting

#127214



Disconnecting Tool STD/STH DN12

#833158



Disconnecting Tool STD/STH DN 6

#834720



Disconnecting Tool STD/STH DN10

#834721



Disconnecting Tool STD/STH DN16

#834722



Cylinder Cap Sockets

#150082

- SH/SHR Primary: #150063
- SH/SHR Secondary: #150065



Socket Weld Assembly

#143065

Cylinder cap tool for removal and installation of cylinder cap (#133084) used on TSP 6000



Locknut Spanner for 824400

#824842



Drive Wheel Hub Puller

#141356

- Use to remove locking nut to replace drive axle seal
- Used on RC 5500 & SC 5200
- See Kit Instructions PF16825



Spring Pack Torsion Tooling

Left
Right

#846241-001
#846241-002

Use for WP3080/WP 3280 and DS 3000/DS 3200



Drive Wheel Hub Puller

#340079

- Use to remove locking nut to replace drive axle seal
- Improved, deluxe model
- Makes it easier to remove hub and takes a lot less time than using #141356
- Use on RC 5500 and SC 5200



Stud Alignment Tool

#125097

- Use on RR and RR 3000 Series lift trucks, SP 3000 Series and TSP
- Use to install Drive Unit Steer Bearing and Stud Kit (#125096)
- Kit Instructions: PF6947 and PF6948



Driver Nut Assembly

#141357

- Use with gear puller to remove wheel hub
- Use on RC 5500 and SC 5200
- See Kit Instructions PF16825



Drive Unit Mount Gauge

#126383

- Use to shim drive unit on RR 5000.
- Kit Instructions: PF6998



Bearing Cup Tool

#130675

Use to rebuild drive unit on FC 4000



Steering Wheel Removal Tool

#129257

- To remove steering wheel on SC 4000/4500/5200/5700/6000/6200 lift trucks manufactured from 9 September 1999 to present.
- Kit Instructions: PF16549



Drive Coupler

#131348

For drive motor pinion locknut installation of FC 4000



Spanner Tool

#145194

- Use to remove the threaded adjuster plate from the back side of the RC 5500 & SC 5200 drive unit.
- It is required for drive unit disassembly.



Pilot Rods

#141316

- Use to align RC 5500 traction motor
- Need quantity of 4



Drive Unit Mount Tool

#145509

- Use to mount the RC 5500 & SC 5200 drive unit in a vice to hold it in position while working on it.



Retaining Ring Pliers

#320078

- For removal and installation of large retaining rings
- Use on pre-3000 series stock pickers, pallet trucks, tow tractors and heavy-duty walkies
- Tip replacement set (Part No. #106141)



Steer Axle Spanner Socket

#146107

- Use to remove lock nut 060043-009
- Use on SC 4000/4500/5200, RC 5500 and TSP 6000 steering assemblies



Special Roll Tap

#126105

- Use to tap dowel pins on RR 5000 Series drive unit
- See TSB 378



Tool for Steer Motor M4, M5, M6

#822672



Crown Gabelstapler GmbH & Co. KG
Philipp-Hauck-Str. 12
85622 Feldkirchen, Germany
Tel. +49 89 93002-0
Fax +49 89 93002-133
crown.com

Because Crown is continually improving and extending its products, specifications are subject to change without notice. The current version is available on our Partner Extranet page.

The catalogue is distributed only to Crown branches, other Crown group organisations and authorised Crown dealers in the EMEA region and is not for further distribution.

Please note:
Not all products are available in all published countries of the EMEA region. Products may differ from pictures.

Crown, the Crown logo, the colour beige, the Momentum symbol, InfoLink, the InfoLink logo, One Source Lift Truck Parts, the One Source Lift Truck Parts logo, QuickPick, V-Force, WAVE, the WAVE logo and Work Assist are trademarks of Crown Equipment Corporation in the United States and other countries. Other trademarks are the property of their respective owners.

© 2019–2025 Crown Equipment Corporation
One Source Q1 2024 Catalogue EMEA