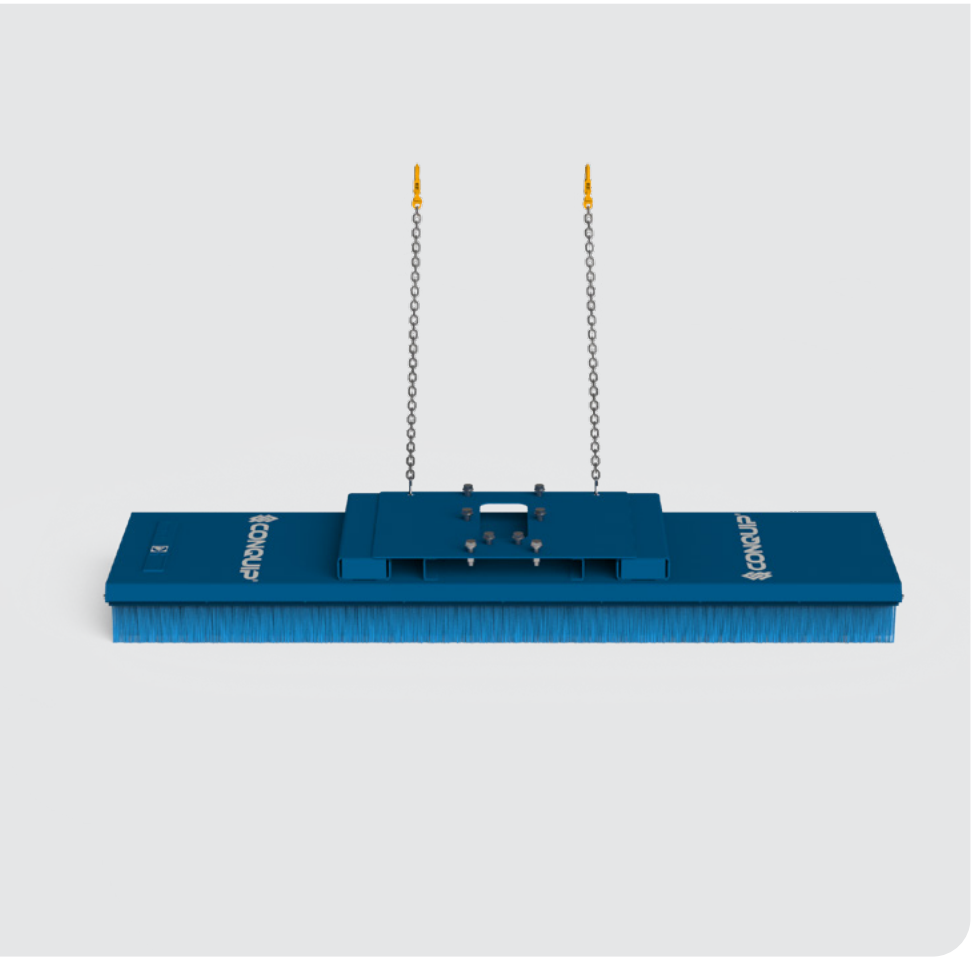
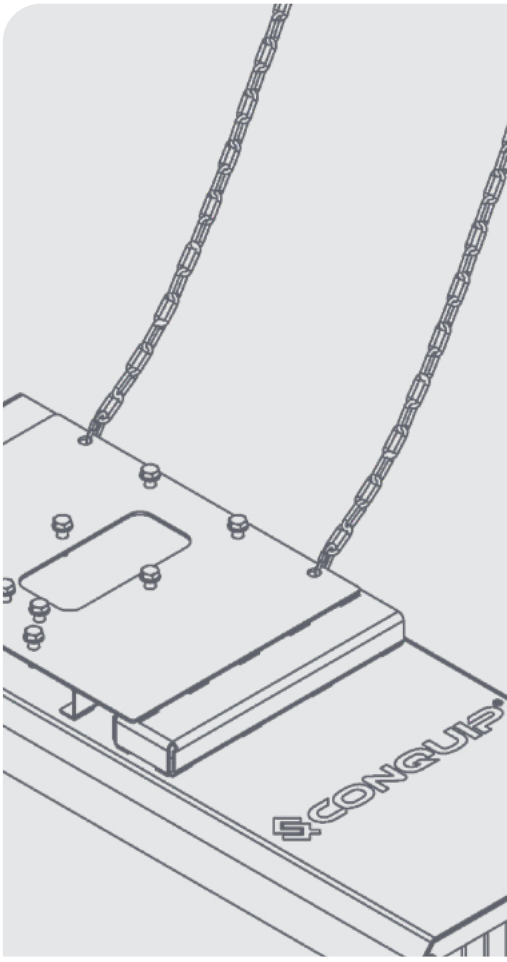
USER GUIDE

PUSH BROOM





DISCLAIMER

Do not attempt to handle or operate this equipment before you have received sufficient training. Before use, operatives must have carried out all checks featured on the Visual Inspection Sheet on page 15. It is imperative that you have read the General Safety Instructions on page 16 and sufficiently familiarised yourself with the Operational Procedures in this document.

Note that this item is compliant only to the standards specified in this User Guide and it is therefore the duty of the responsible person(s) to review and ensure compliance.

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INTRODUCTION

OVERVIEW

The Conquip Push Broom is a machine attachment designed to keep warehouses, yards and other working areas clean and tidy.

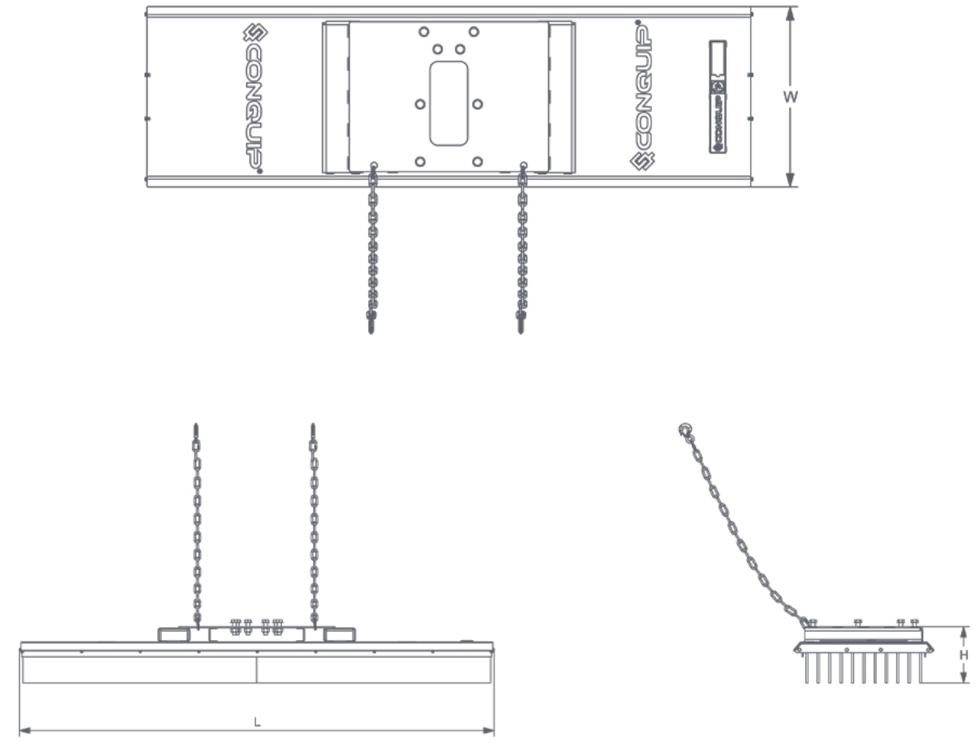
The robust steel design helps to minimise the impact from heavy handling and regular usage, while increasing the attachment's lifecycle. High-quality, durable bristles help to effectively sweep dust, dirt, leaves and construction debris, reducing manual cleaning and helping to improve safety.

Built for use with telehandlers, forklifts and excavators, this versatile attachment features fork pockets, restraint chains and a bolt-on excavator hitch header.

KEY BENEFITS

- Versatile attachment suitable for a wide range of machinery.
- Quick and simple to attach to telehandlers, forklifts and excavators.
- Built to last with a solid steel design and hard-wearing bristles.
- Supplied with restraint chains to secure the attachment to the telehandler or forklift carriage.
- Available with a bolt-on hitch header to suit standard, tiltrotator or S-type quick hitches on excavators from 5 to 50 tonnes.
- Compatible with all Conquip hitch headers - Type 1, Type 2, Type 3, S45, S60, and S70.

SPECIFICATION



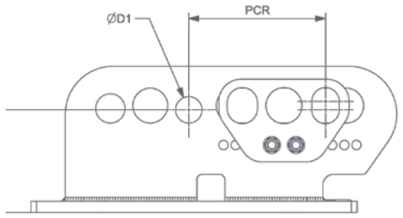
CODE	HITCH HEADER	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	WEIGHT (kg)
SA200AB-02400	None	2420	720	288	252
SA200AG-02400	Type 1			548	307
SA200AH-02400	Type 2			588	350
SA200AI-02400	Type 3			673	407
SA200AD-02400	S45			528	307
SA200AE-02400	S60			553	332
SA200AF-02400	S70			568	362

SPECIFICATION

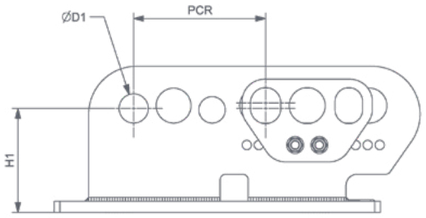
PUSH BROOM

TYPE 1 HITCH HEADER

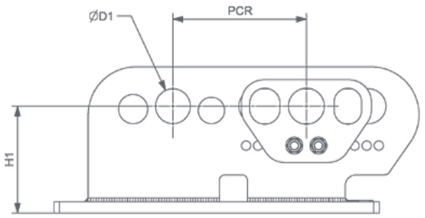
These hitch headers feature an adjuster plate to accommodate varying pin centres and are compatible with 5-9 tonne excavators fitted with a standard quick hitch.



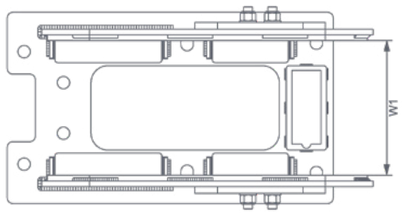
45 DIA PIN



50 DIA PIN



60 DIA PIN



HITCH GAP

HITCH HEADER	D1 (mm)	PCR* (mm)		W1 (mm)	H1 (mm)	MASS (kg)
		MIN	MAX			
Type 1	45	95	286	240	180	55
	50	235	404		185	
	60	152	345		190	

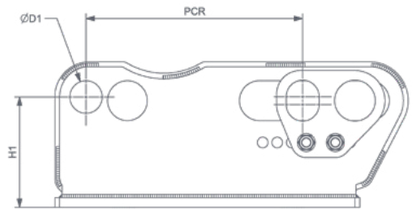
*PCR = Pin Centre Range

SPECIFICATION

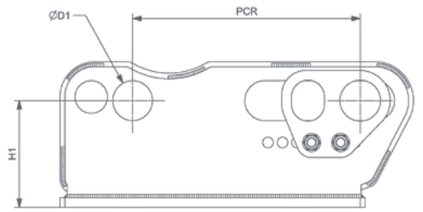
PUSH BROOM

TYPE 2 HITCH HEADER

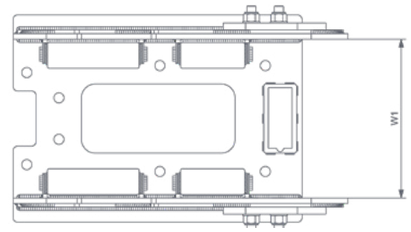
These hitch headers feature an adjuster plate to accommodate varying pin centres and are compatible with 13-22 tonne excavators fitted with a standard quick hitch.



65 DIA PIN



80 DIA PIN



HITCH GAP

HITCH HEADER	D1 (mm)	PCR* (mm)		W1 (mm)	H1 (mm)	MASS (kg)
		MIN	MAX			
Type 2	65	358	553	345	205	95
	80	300	500		200	

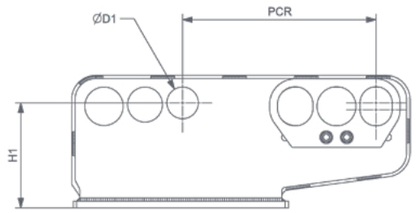
*PCR = Pin Centre Range

SPECIFICATION

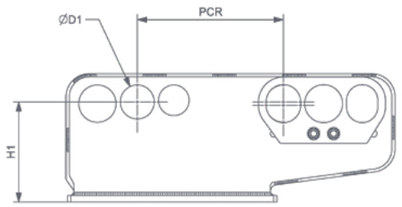
PUSH BROOM

TYPE 3 HITCH HEADER

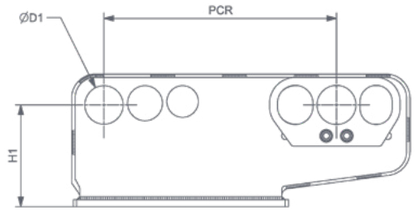
These hitch headers feature an adjuster plate to accommodate varying pin centres and are compatible with 30-50 tonne excavators fitted with a standard quick hitch.



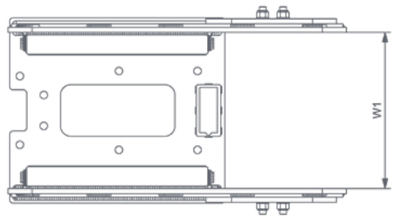
90 DIA PIN



100 DIA PIN



110 DIA PIN



HITCH GAP

HITCH HEADER	D1 (mm)	PCR* (mm)		W1 (mm)	H1 (mm)	MASS (kg)
		MIN	MAX			
Type 3	90	335	567	455	285	165
	100	440	882		280	
	110	560	800		275	

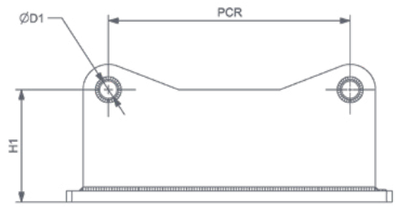
*PCR = Pin Centre Range

SPECIFICATION

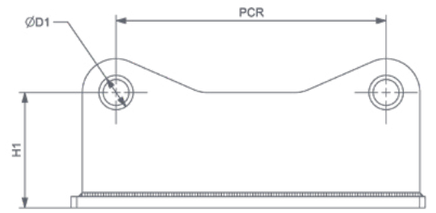
PUSH BROOM

S45, S60, S70 HITCH HEADERS

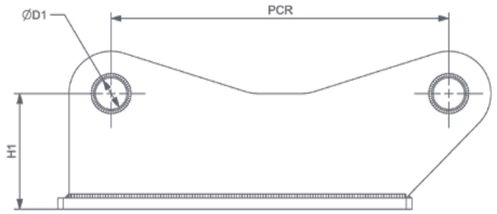
These hitch headers feature fixed pins and are compatible with 5-32 tonne excavators fitted with a tiltrotator quick hitch.



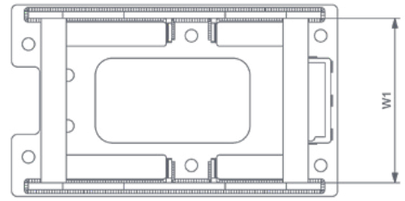
S45



S60



S70



HITCH GAP

HITCH HEADER	D1 (mm)	PCR* (mm)		W1 (mm)	H1 (mm)	MASS (kg)
		MIN	MAX			
S45	45	430		292	180	55
S60	60	480		342	205	80
S70	70	600		452	285	110

*PCR = Pin Centre Range

COMPATIBILITY

The table below references the hitch headers compatible with the Push Broom.

	HITCH HEADER					
SIZE	TYPE 1	TYPE 2	TYPE 3	S45	S60	S70
Push Broom	✓	✓	✓	✓	✓	✓

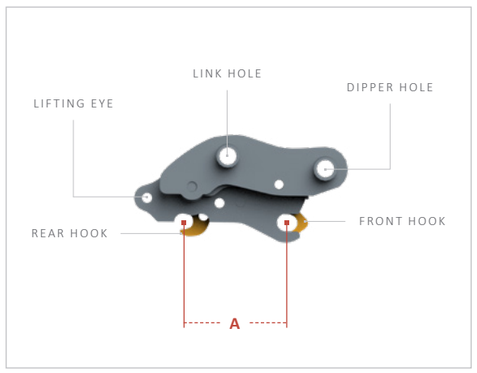
We can manufacture bespoke options and other combinations of hitch headers and bodies are available. Contact Conquip to discuss requirements.

MEASURING EXCAVATOR PIN CENTRES

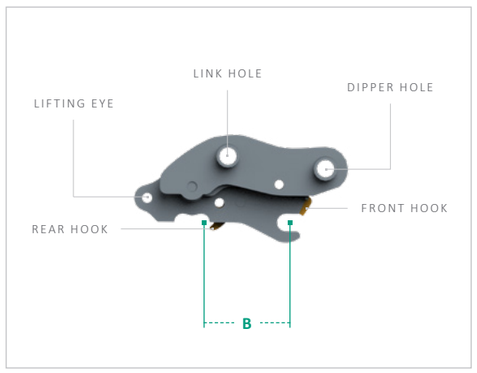
Pin centres and pin sizes vary depending on the excavator manufacturer and model. Some quick hitches have plates on with the information required. However, if the plate is missing or ilegible, follow the steps below to measure the pin centres.

01. With the excavator quick hitch in the closed position, measure from the centre of the front pin location to the centre of the rear pin location for dimension A.
02. With the hitch in the open position, measure from the centre of the front pin location to the centre of the rear pin location for dimension B.
03. Dimension A to dimension B will give you the minimum to maximum pin centre range for the excavator quick hitch.

CLOSED POSITION



OPEN POSITION



04. Use the diagrams and tables on this pages 06-09 to check the hitch header compatibility with your excavator.

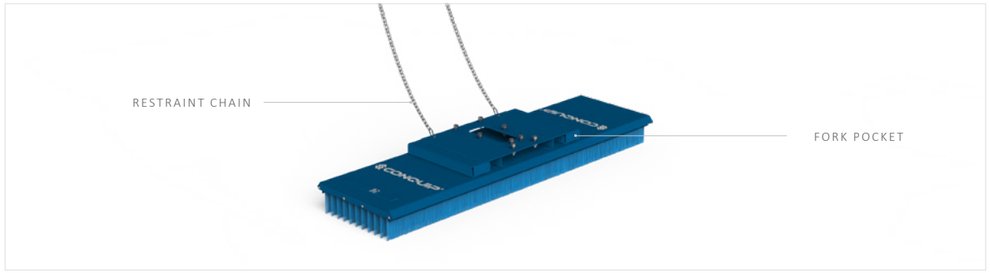
OPERATIONAL PROCEDURES

IMPORTANT USAGE NOTES

- Before using this equipment, check that the forks are compatible with the attachment.
- When using with a forklift or telehandler, ensure that the safety restraint chains are secured to the machine's carriage.
- Be careful not to sweep solid or fixed items, such as speed ramps.
- Be aware, the Push Broom width may be wider than the machine's width.
- Do not sweep in reverse, particularly when using a forklift or telehandler, as the restraint chains are for restraint only, not for sweeping.

USING WITH A FORKLIFT OR TELEHANDLER

01. Drive the forklift or telehandler to the attachment and line the fork tines with the fork pockets on the top of the Push Broom.
02. Insert the fork tines into the fork pockets until their tips make contact with the end.

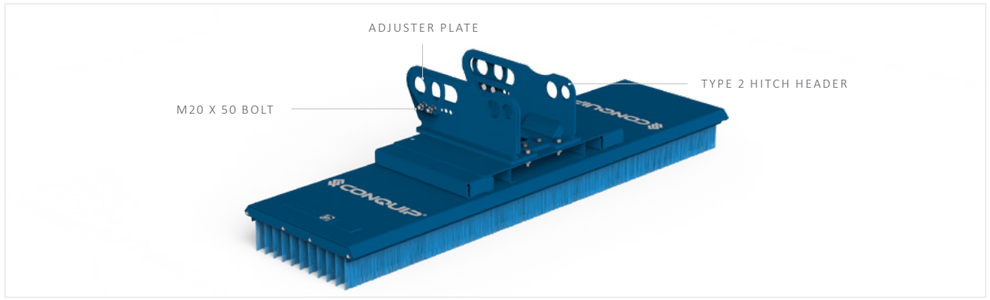


03. Raise the attachment off the ground to access the machine's carriage. Then wrap the first restraint chain around the carriage of the machine and secure with the hook.
04. Repeat for the second restraint chain.
05. Once the Push Broom is sufficiently secured on the forklift or telehandler, lower the broom until the bristles of the brush rest flat on the ground.
06. Drive the machine forwards only to sweep, collect any debris and stockpile it in the designated location.
07. Once the area has been swept and is clear of any debris, move the attachment to the storage location.
08. Undo the hooks to release the restraint chains and remove them from the machine's carriage.
09. Lower the Push Broom to the ground and reverse the machine to remove the fork tines from the fork pockets.

USING WITH AN EXCAVATOR

TYPE 1, TYPE 2, TYPE 3 HITCH HEADERS

01. The adjuster plate on our Type 1, 2 and 3 hitch headers allows the rear pin position to be moved during set-up to accommodate the quick hitch pin centres on varying excavator makes and models.
02. To adjust, simply unbolt the two M20x50 bolts and nuts at the base of the adjuster plate and slide the plate along the body. Once in position, secure with the M20x50 bolts and nuts.



03. Select the relevant size pins to match your machine's quick hitch.
04. Fit the front pin to the correct sized hole on the Push Broom.
05. Adjust the position of the rear pin to suit the quick hitch and follow the quick hitch operating guidelines. Set the pins to the maximum centres for the unit.
06. Ensure the quick hitch pins have the retaining bolts and washers and they are correctly fitted.
07. Check for debris in the quick hitch locking mechanism and check the fit of the unit on the quick hitch. Do not use if it is not secure.

S45, S60, S70 HITCH HEADERS

01. No set up required as pins are in a fixed position on these hitch headers.

GENERAL USAGE

01. Ensure any buckets or attachments have been detached from the machine before attempting to use the Push Broom.
02. Attach the excavator quick hitch to the hitch header on the top of the Push Broom.
03. Drive the excavator to the required location on-site.
04. Lower the excavator arm until the bristles of the Push Broom are resting on the ground.
05. Drive the excavator forwards or use the excavator's arm to sweep, collect any debris and stockpile it in the designated location.
06. Once the area has been swept and is clear of any debris, move the attachment to the storage location and detach from the excavator arm.

OPERATIONAL PROCEDURES

MAINTENANCE & INSPECTION

MAINTENANCE REGIME

- It is mandatory that the equipment is thoroughly examined regularly, by a qualified engineer, to ensure compliance with relevant regulations. Conquip recommend carrying out a thorough examination every six months.
- This equipment may incorporate various loose and detachable items including, but not limited to pins, bolt assemblies and adaption plates. Refer to the separate requirements for the safe use of those items.
- When not being used, store the unit in a clean, upright condition and in a safe place where it will be protected from thieves and unauthorised users.
- This equipment must be inspected by the responsible person before each use and then regularly, as determined by your risk assessment or working practice. If you have any concerns about the machinery's condition or suitability, do not use it.

VISUAL INSPECTION CHECKLIST

INSPECTION ITEMS	RESULTS		COMMENTS
	PASS	FAIL	
Serial Number			CQ.....
Product Code			
Working Load Limit (kg)			
Conforms to user guide specification			
Check adjuster plate bolts are tight (Type 1, 2, 3 hitch headers only)			
Check the excavator pins are secured (Type 1, 2, 3 hitch headers only)			
Check the fixed hitch pins for cracks or damage (S45, S60, S70 hitch headers only)			
Check all M20 X 65mm hitch header bolts and nuts are present and secure			
Check brush bristles for damage or wear			
Check fork pockets for bends or distortion			
Check restraint chains for wear or damage			
Check carabiners and hooks on restraint chains for wear or damage and ensure they are operational			
General visual inspection of the body			

SIGNATURE			
Name	Position	Qualification	Signature & Date

GENERAL SAFETY INSTRUCTIONS

The equipment should be properly operated and maintained to keep it in a safe, efficient operating condition. Be sure that all fixings and components are free of mud or other matter that might cause issues hazardous to the operator, serviceman, or other personnel or equipment. Report all malfunctions to those responsible for maintenance, and do not operate the equipment until corrected. Normal service or maintenance performed as required can prevent unexpected and unnecessary downtime.

This operations manual describes general inspections, servicing and operation with the normal safety precautions required for normal servicing and operating conditions. It is not a guide, however, for abnormal conditions or situations, and therefore, servicemen and operators must be safety conscious and alert to recognise potential servicing or operating safety hazards at all times, and take necessary precautions to assure safe servicing and operation of the equipment.



M002
Refer to instructions manual



M004
Wear eye protection



M008
Wear safety footwear



M009
Wear protective gloves



M010
Wear protective clothing



M014
Wear head protection



M015
Wear high-visibility clothing

GENERAL NOTES

- Read this operations manual and learn the operating characteristics and limitations of the equipment. Know what operating clearances the equipment requires.
- Read and understand all the safety signs prior to operation.
- If the safety signs are obstructed by dirt or debris, clean them using mild soap and water prior to operation.
- If the safety signs are damaged or illegible, replace them immediately, prior to operation.
- Be aware of operating hazards that weather changes can create on the job. Know proper procedures to follow when a severe rain or electrical storm strikes.
- Never attempt to operate or work on machinery when not feeling physically fit.
- Never wear loose clothing, rings, watches, heavy gloves etc., that might catch and result in injury.
- Know what safety equipment is required and use it. Such equipment may be: hard hat, safety glasses, reflector type vests, protective gloves and safety footwear.

TERMS & CONDITIONS

CONQUIP ENGINEERING GROUP STANDARD PRODUCT WARRANTY

01. COMMENCEMENT

1.1 This Warranty shall commence on the Commencement Date and shall continue until the earlier of:

(a) the Expiry Date; or

(b) the date on which it may be voided in accordance with clause 4.1(b)

when it shall terminate automatically without notice.

02. DUTY OF GOOD FAITH

2.1 The Purchaser shall in the exercise of its rights under this Warranty and in the compliance with its obligations under this Warranty be subject to and shall in all respects owe and comply with a duty of good faith to the Warrantor.

03. NATURE AND EXTENT OF COVER

3.1 Subject to clause 3.2 the Warrantor agrees and undertakes to the Purchaser that it shall be liable to the Purchaser under and in accordance with the terms of this Warranty in the event that:

(a) prior to the Expiry Date the Purchaser shall notify a Warranty Claim to the Warrantor; and

(b) the Equipment or any relevant part of the Equipment shall have become unusable as the result of defective material or defective workmanship prior to the Expiry Date.

3.2 The Warrantor's obligation under clause 3.1 shall be expressly subject to the provisions of clauses 4, 5 and 6 and conditional upon the Purchaser's compliance in full with the provisions of clause 7.

04. RESTRICTIONS

4.1 The following restrictions apply to this Warranty:

(a) This Warranty is personal to the Purchaser and neither the legal benefit nor legal burden of this warranty may be assigned or novated or otherwise transferred by the Purchaser to any other party. Any purported assignment, novation or transfer shall not be binding upon the Warrantor.

(b) This Warranty shall be void in the event that the Purchaser:

(i) cannot provide authentic and original documentary evidence that the Purchaser has during the period between the Commencement Date and the Expiry Date complied with the Maintenance and Servicing Requirements; and/or

(ii) has, during the period between the Commencement Date and the Expiry Date, exceeded the Purchaser's Usage Cycle Parameters; and/or

(iii) has, during the period between the Commencement Date and the Expiry Date, exceeded the Purchaser's Use Parameters; and/or

(iv) has carried out, or procured the carrying out by any third party of, any repair to the Equipment or any part of the Equipment which is not an Authorised Repair; and/or

(v) has operated the Equipment after having replaced any part of the Equipment with a part which has not been supplied and fitted by the Warrantor; and/or

(vi) has modified the Equipment in any way prior to use.

05. EXCLUSIONS

5.1 The following are excluded from the scope of this Warranty:

(a) Loss of and/ or damage to the Equipment or any part of it resulting from any collision between the Equipment and any other fixed or stationary or mobile object whatsoever, irrespective of whether that collision was or was not caused by the Purchaser; and/or

(b) Loss of and/or damage to any personal property and/or possessions or other equipment not forming part of the Equipment but which is present in or about the Equipment; and/or

(c) loss and/or damage which is covered by any other insurance policy taken out and maintained by the Purchaser or in respect of which the Purchaser has a contractual obligation to do so; and/or

(d) loss and/or damage to the equipment which is consistent with the use by the Purchaser of the Equipment:

(i) in compliance with the Maintenance and Servicing Requirements; and

(ii) in compliance with the Usage Cycle Parameters; and

(iii) in compliance with the Use Parameters; and

(iv) having only carried out Authorised Repairs to the Equipment; and

(v) having all and any replacement parts fitted by the Warrantor; and

(vi) in unmodified form.

06. LIMITATION OF LIABILITY

6.1 The Warrantor's liability to the Purchaser shall be limited as follows:

(a) The Warrantor shall not in any circumstances be liable to the Purchaser for indirect and/or consequential and/or economic loss suffered and/or incurred as the case may be by the Purchaser; and

(b) The Warrantor shall only be liable to the Purchaser for the reasonable and proper costs reasonably and properly incurred by the Purchaser directly in connection with the repair and/or replacement (at the Warrantor's absolute discretion) of the Equipment or any part of the Equipment; and

(c) The Warrantor's liability to the Purchaser shall notwithstanding any other provision of this Warranty, not in any circumstances exceed the Purchase Price of the Equipment.

07. WARRANTY CLAIMS

7.1 The Purchaser shall in respect of any claim against the Warrantor under this Warranty and within 24 hours of the occurrence of the subject matter of the Warranty Claim:

(a) Complete in full and submit to the Warrantor a Warranty Claim in the form annexed to Schedule 4;

(b) Provide date stamped or date identifiable photographs evidencing the claim; and

(c) Make the Equipment or the relevant part of the Equipment available to the Warrantor for inspection within 48 hours of notification of the relevant Warranty Claim.

08. ENTIRE AGREEMENT

8.1 This Warranty constitutes the entire agreement between the parties and supersedes and extinguishes all previous promises, assurances, warranties, representations and understandings between them, whether written or oral, relating to its subject matter.

8.2 Each party agrees that it shall have no remedies in respect of any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in this Warranty. Each party agrees that it shall have no claim for innocent or negligent misrepresentation or negligent misstatement based on any statement in this Warranty.

No variation of this Warranty shall be effective unless it is in writing and signed by the parties (or their authorised representatives).

09. WAIVER

No failure or delay by a party to exercise any right or remedy provided under this Warranty or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

10. SEVERANCE

10.1 If any provision or part-provision of this Warranty is or becomes invalid, illegal or unenforceable, it shall be deemed deleted, but that shall not affect the validity and enforceability of the rest of this Warranty.

10.2 If any provision or part-provision of this Warranty is deemed deleted under clause 10.1 the parties shall negotiate in good faith to agree a replacement provision that, to the greatest extent possible, achieves the intended commercial result of the original provision.

11. THIRD PARTY RIGHTS

11.1 This Warranty does not give rise to any rights under the Contracts (Rights of Third Parties) Act 1999 to enforce any term of this Warranty.

12. GOVERNING LAW

12.1 This Warranty and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation shall be governed by and construed in accordance with the law of England and Wales.

13. JURISDICTION

13.1 Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with this Warranty or its subject matter or formation.

DESIGN CONFORMITY (EC & UK)

(01) This certificate meets the requirements of the Machinery Directive 2023/42/EC of the European Parliament and Council.

(02) This certificate meets the requirements of the Supply of Machinery (Safety) Regulations 2008.

DETAILS

NAME & ADDRESS OF MANUFACTURER:
Conquip Engineering Group Ltd, Unit 4, Waterbrook Estate, Alton, Hampshire. GU34 2UD

NAME & ADDRESS OF PERSON TO COMPILE TECHNICAL FILE:
Name: Daniel Critchley
Address: Conquip Engineering Group, Unit 4, Waterbrook Estate, Alton, Hampshire. GU34 2UD

NAME & ADDRESS OF AUTHORISED REPRESENTATIVE IF ONE HAS BEEN MANDATED BY THE MANUFACTURER:
N/A

NAME, ADDRESS, AND IDENTIFICATION NUMBER OF THE NOTIFIED BODY (01) OR APPROVED BODY (02), WHERE APPLICABLE:
N/A

EQUIPMENT DESCRIPTION

PRODUCT CODE(S)	GENERAL DESCRIPTION	WORKING LOAD LIMIT
SA200AB-02400	Push Broom Base Unit	N/A
SA200AG-02400	Push Broom c/w Type 1 Hitch Header	N/A
SA200AH-02400	Push Broom c/w Type 2 Hitch Header	N/A
SA200AI-02400	Push Broom c/w Type 3 Hitch Header	N/A
SA200AD-02400	Push Broom c/w S45 Hitch Header	N/A
SA200AE-02400	Push Broom c/w S60 Hitch Header	N/A
SA200AF-02400	Push Broom c/w S70 Hitch Header	N/A

HARMONISED STANDARDS & REGULATIONS

ITEM	CODE	DESCRIPTION
EC DIRECTIVE/ REGULATION	2023/42/EC	Directive 2023/42/EC- new machinery directive
HARMONISED STANDARDS	BS EN ISO 12100:2010	Safety of machinery General principles for design Risk assessment and risk reduction
OTHER REGULATIONS	PUWER 1998	Provision and Use of Work Equipment Regulations 1998 (PUWER)

DECLARATION

PLACE OF DECLARATION:
Alton

DATE OF DECLARATION:
October 2026

I declare that the above equipment meets the Essential Health and Safety requirements of the

(01) Machinery Directive 2023/42/EC of the European Parliament and Council.

(02) Supply of Machinery (Safety) Regulations 2008 and Section 6 of the Health and Safety at Work Etc. Act 1974.

NAME:	POSITION:	SIGNATURE:
Daniel Critchley	Chief Executive Officer	

TALKING TO US IS EASY

WE'RE HERE TO HELP

Call us on 0333 300 3470
Email us at sales@cqegroup.com
www.cqegroup.com

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