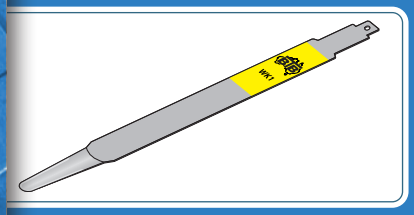
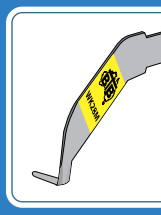
BTB Auto Glass & Body Shop Tools

Flexible Adhesive Cutting System

a division of ALP OZ AUTO MOULDS





▶ One System ▶ Any Glass, Panel or Part
▶ Servicing Every Industry

- ▶ Automotive
- ▶ Public Transport
- ▶ Heavy Commercial
- ▶ Construction
- ▶ Marine & Aviation
- ▶ Mining & Agriculture

BTBTOOLS.COM

BTB Tools / ALP OZ Auto Moulds is Australia's One Stop Shop for specialised tools, accessories and consumables to the auto glass repair & replacement, collision repair, and a variety of other industries.

About Us

BTB is part of an Australian family owned company. We supply our Australian manufactured flexible adhesive cutting tools and blades and export them worldwide. In April 2018 BTB Auto Glass & Body Shop Tools was incorporated into ALP OZ Auto Moulds.

Industry Knowledge

With over 65 years hands on professional experience in the auto glass & collision repair industry, BTB are qualified industry experts. We are technological leaders for the safe removal of adhesive fitted auto glass, bonded panels & components and provide technical product support for the tools we sell.

Servicing Every Industry

BTB's unique cutting system is used in every industry requiring cutting tools to remove adhesive fitted glass, panels and parts.

On-Site Manufacturing

BTB's patented and unique specialised products, including the BTB Glass & Panel Removal Power Tools and Cutting blades, are manufactured on site at our BTB Head Office in Bendigo, Victoria, Australia.

Global Reputation

BTB Tools products are distributed nationally through our dedicated distribution network. We have an international reputation and export our BTB adhesive cutting system to over 50 countries worldwide.

Prompt Service & Delivery

BTB prides itself on its high standard in Customer Service. Responding to product enquiries is given top priority. BTB manufactured products are also backed by our in-house tool service / repair centre.

Terms & Conditions

All product returns must be approved prior by ALP OZ Auto Moulds and be within 14 days from receipt of delivery. Incorrectly ordered product returns may be subject to a restocking fee. Returned goods shall be in their original and unmarked condition, complete with any instruction sheets supplied.

The following goods cannot be returned for credit under any conditions:

- *Any goods specially made, including items cut to length*
- *Any goods used, altered or damaged by the purchaser*
- *Any goods having an invoice value of $10 or less*
- *Any goods especially indented and which are not normal stock lines*

All product returns must be freight prepaid by the sender.

All orders are to be prepaid unless trading terms are agreed prior by ALP OZ Auto Moulds.

Orders discrepancies must be reported to ALP OZ Auto Moulds within 3 days to ensure they are resolved ASAP.

Prices and availability are subject to change without notice.

The supply of items may vary from time to time from the actual images shown in this catalogue.

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ALP OZ Auto Moulds Bendigo Manufacturing Facility.

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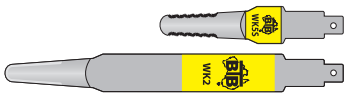

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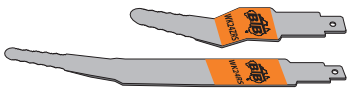

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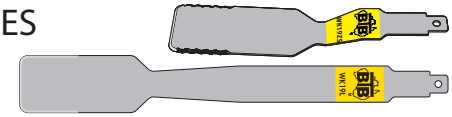

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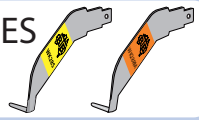

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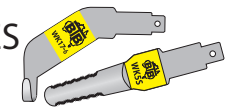

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INTRODUCTION

BTB's unique and patented system has been designed to remove all types of adhesive fitted glass and components. Its speciality is Automotive glass, including those with encapsulated or bonded mouldings and/or where adhesive is difficult to reach or hidden far below the dashboard. Equally it is superior in removing adhesive fitted body panels and side/body mouldings. All without damage to painted panel, glass or component.

One System, *two power tool options. Servicing any Industry, Any Vehicle, Any Glass, Any make or model, Every Time!*

Versatility

The BTB system's **versatility** allows you to cut from inside or outside of the vehicle, against the glass surface, or in the case of an encapsulated glass, the reverse 'R' blades will safely cut against the pinchweld or body panel and away from the encapsulation.

Two Power Tool Options

BTB's renowned Air Powered Tool or our new 12 Volt Battery Powered E-TOOL.

Precision and Control

Cutting blade precision and control for both tools comes from their short and fast in-line reciprocal (in-out) stroke, adjustable speed and power, and the adjustable **cutting depth control** system. The **non-aggressive action** of both tools also minimises risk of vehicle damage or operator injury. **Force is eliminated** and expensive undamaged glasses and mouldings can be re-used.

Intelligent Design

- All blades can be used in the BTB Air Tool or the E-TOOL and can also be used in BTB's manual handles.
- Blades can be quickly interchanged in less than 10 seconds.
- The controller cap on both power tools is made from nylon, designed to rest on the glass while cutting from inside the vehicle, correctly aligning the blade and **avoiding scratching glass or painted panels**.
- Both power tools also operate as a very powerful and effective **power air body saw**.

Low Hand - Arm Vibration (HAV)

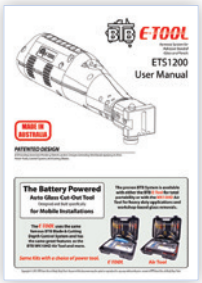
Both the Air Powered Tool and 12 Volt Battery Powered E-TOOL conform to ISO5349, ISO8662 and CE standards.

Quality Manufacture by BTB

Both the Air Powered Tool and 12 Volt Battery Powered E-TOOL are unique, custom built tools providing quality, power, precision and low vibration. They are small, compact, light-weight and user-friendly, with proven reliability and long life, requiring minimal maintenance.

Training Package & User Manuals

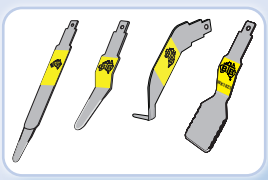
Every E-TOOL and Air Tool comes with a detailed User Manual and access to online Training Videos, providing excellent and valuable guidelines, hints and tips for most cut-out and glass types. A level of skill and proficiency quickly develops from applying the system to a range of cut-out applications.



Tool Kits & Individual Components

BTB offer a range of industry-specific tool kits. Also any power tool, blade, or tool kit accessory can be purchased separately.

Professional Tool Kits



Blades for All Applications

Cutting Depth Control

Pinchweld Trimming Blades

BTB's Power Tools, Control System & Selected Cutting Blades have Registered Patents/Designs Extending Worldwide

Battery Powered or Air Powered?

Both versions of the power tool:

- ***use the same blade cutting depth control arms,***
- ***have low noise and vibration levels,***
- ***have precise & powerful cutting performance,***
- ***are compact and light weight,***
- ***use the same blades and accessories,***
- ***are available in industry-specific tool kits.***

BTB E-TOOL™ 12V Power Options

Along with its total portability, the E-Tool:

- has a faster and shorter stroke, eliminating hot blades and smoke, also avoiding kickback from incidental blade contact.
- allows Power Cold Knife blades to also be pulled backwards (eg. Up an 'A' pillar).

The 12 Volt Battery Powered E-TOOL™ is specifically designed for Mobile Installations.

The BTB E-Tool is available with a small portable 12 volt battery pack, however you can use your own 12 volt power supply.

BTB's Shoulder Battery Pack

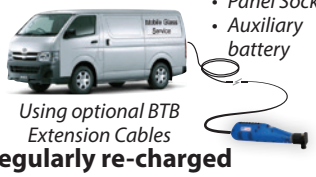
6 Ah Battery:
▶ **6 to 8 cut-outs**

12V Carry Pack or Vehicle Battery

12 to 40 Ah Battery:
▶ **15 to 40 cut-outs**

Mobile Vehicle 12V Battery

- *Direct to Battery*
- *Panel Socket*
- *Auxiliary battery*



Using optional BTB Extension Cables

Regularly re-charged via Vehicle Battery

An AC Transformer Supplying 12 Volt Power

Unlimited 12V power:
▶ **Unlimited cut-outs**

BTB Air Tool Air Supply Options

The BTB **WK10HD** Air Tool consumes a small volume of air and is generally powered via a workshop air supply,

OR for portable use in a mobile repair van, simply use a small fully portable air compressor,

OR for quiet and total portability, use a bottle of Carbon Dioxide (CO_2) fitted with a pre-set pressure regulator.

The WK10HD is a small but superior powered air tool for every-day use and recommended for workshop or heavy duty use.

E-TOOL™ Tool Specifications AIR TOOL

E-TOOL™	
Free Speed (Cycles Per Minute)	6,400
Reciprocal Stroke Length	4 mm [1/8"] (fixed)
Noise at 1 metre	80 dBA
Vibration Emission Value A_{hv}	8.03 m/s^2
Tool Weight	1.3 kg [2.87 lb]
Overall Length (Excluding Lead)	280mm [11"]
Warranty (on Tool)	1 year
Motor Power Output	112 W
Voltage Input	12 V DC
Battery Charger Voltage Input	110-240 V AC

AIR TOOL	
Free Speed (Cycles Per Minute)	6,500
Reciprocal Stroke Length	0 - 6mm [1/4"] (variable)
Noise at 1 metre	77 – 79 dBA
Vibration Emission Value A_{hv}	7.6 m/s^2
Tool Weight	1.15kg [2.53 lb]
Overall Length Excluding Hose	260mm [10 ¼"]
Warranty (on Tool)	2 years
Air Inlet	[1/4" NPT]
Max. Air Pressure	6.2 Bar [90 PSI]
Air Consumption [Free Air Delivery]	60 - 140 Litres /min [2 - 5 CFM]

Auto Glass Removal Applications

See the tool in action at btbtools.com/videos

Many glass removals, most specifically if undamaged and to be re-installed, may require different or a combination of cut-out techniques. BTB's precise, smart and versatile air or battery powered system allows you to cut the adhesive:

- ***using no stress or force,***
- ***from outside the vehicle,***
- ***from inside of the vehicle,***
- ***against the glass surface, or***
- ***against the pinchweld/panel surface, avoiding contact with the encapsulation***

Long flexible blades easily **REACH URETHANE BELOW DASHBOARDS** including double beads and difficult adhesives on side and back glasses.

Cut from outside vehicle with **POWERED COLD KNIFE BLADES** for a fast cut-out without physical force to the glass or technician's limbs.

PRECISE CUTTING from INSIDE VEHICLE with BLADE DEPTH CONTROL ARMS for user confidence and protection of painted surfaces.

For **ANY CURVED GLASSES**, thin flexible blades follow the contour of the curved glass.

Small light-weight and versatile power tool is excellent for removing **SMALL & DIFFICULT GLASSES**.

CUT AGAINST PINCHWELD from inside vehicle and underneath the moulding to save and **RE-USE EXPENSIVE ENCAPSULATED GLASSES**.

Quick and easy **ANTI-SCRATCH PINCHWELD SCRAPER** blades leave a thin even layer of adhesive for re-bonding.

CUT UNDER EDGE OF EXPOSED GLASS OR ENCAPSULATION from outside using a standard blade to cut against either the glass or body panel.

BTB's Famous Air Powered
Auto Glass Cut-Out Tool

A small but superior powered Air Tool for every-day use and recommended for workshop or heavy duty use in bus and train glass removal.

Powerful, Precise, Versatile and Reliable

See the tool in action at btbtools.com/videos

AIR TOOL Technician Kit

WKTEC-BX 11 Blade Air Tool TECHNICIAN Auto Glass Specialist Kit

This comprehensive kit designed for the Auto Glass Professional contains a wider range of mostly serrated blades, preferred for their faster cut-out times. Includes adjustable cutting depth control arms. Safely remove any bonded glass from any vehicle!

KIT CONTENTS:

Power Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK1-S, WK2-S, WK4-S, WK4R-S, WK4Z-S, WK4ZVR-S, WK24Z, WK24-S, WK27M, WK28M, WK6-M

Cutting Depth Control Arms:
WK11AW, WK11BW5, WK11CW, WK11EW, WK11FW

Accessories:
WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Also see Spade Blades on Page 18

Packaging:
Sturdy Plastic Carry Box

Training Package:
User Manual, Online Videos

AIR TOOL Classic Kit

WKCLS-BX 7 Blade Air Tool CLASSIC Auto Glass Kit

This tool kit contains an assortment of serrated & non-serrated blades to easily remove modern vehicle glasses, including laminated & encapsulated style glasses. Includes adjustable cutting depth control arms.

KIT CONTENTS:

Power Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK2-S, WK3, WK24Z-S, WK24ZR-S, WK27M, WK28M, WK6-M

Cutting Depth Control Arms:
WK11AW, WK11BW5, WK11CW, WK11FW

Accessories:
WK7, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Also see Spade Blades on Page 18

Packaging:
Sturdy Plastic Carry Box

Training Package:
User Manual, Online Videos

See Page 6 for Auto Glass Removal Applications

Reach below dashboards

Blades for all applications

Cutting depth control

Pinchweld trimming blades

AIR TOOL Starter Kit

WKSTR-BX 4 Blade Air Tool STARTER Kit

The ideal kit for introducing workshop based auto glass technicians to the BTB removal system. Contains a small selection of BTB's most used blades and adjustable cutting depth control arms for modern style vehicle glass removals.

KIT CONTENTS:

Power Tool:
WK10HD Heavy Duty Air Tool

Cutting Depth Control Arms:
WK11BW5, WK11FW

Blades:
WK2-S, WK4Z-S, WK27M, WK28M

Accessories:
WK7, WK8DSM, WK9, WK11VEL, WKGA

Also see Spade Blades on Page 18

Packaging: *Sturdy Plastic Carry Box*

Training Package:
User Manual, Online Videos

TIP

If a mobile air supply is required for your BTB air power tool, simply use a small air compressor powered by a vehicle power inverter system ***OR*** for quiet and total portability, use a bottle of Carbon Dioxide (CO_2) fitted with a pre-set pressure regulator.

Every Air Tool kit comes with a detailed User Manual which provides excellent and valuable guidelines, hints and tips for most cut-out and glass types.

Additional blades can be purchased separately and easily be added to any kit as required

NOTE !

AIR TOOL Basic Kit

WKBASIC Basic 4 Blade Toolkit in Cardboard Box

This is the entry level Air Tool kit ideal for ideal kit for introducing customers to our BTB Removal System. This kit contains the WK10HD Air Powered Cut-Out Tool and a small selection of blades. The basic and compact cardboard box packaging also helps lower the cost of the kit.

KIT CONTENTS:

Power Tool:
WK10HD Heavy Duty Air Tool

Cutting Depth Control Arms:
WK11BW5

Blades:
WK2-S, WK4Z-S, WK27M, WK28M

Accessories:
WK7, WK11VEL, WKGA

Also see Spade Blades on Page 18

Packaging: *Cardboard Box*

Training Package:
User Manual, Online Videos

WK6 Non-Scratch Pinchweld Trimming Kit

WK6-N-KIT 4 Blade Pinchweld Trimming Kit

Remove excess adhesive easily and safely with BTB's exclusive pinchweld trimming kit.

Intelligent design features of these blades include:

- A special wing on each side of the blade to eliminate scratching of paint including vertical pinchweld walls.
- A special grind which leaves a thin even layer of adhesive for re-bonding of replacement glass.

NOTE !

Also available in regular profile. See page 20.

E-TOOL™ BTB's 12 Volt Battery Powered Auto Glass Cut-Out Tool

See the tool in action at btbtools.com/videos

Designed and Built by BTB Technicians specifically **for Mobile Installations**

E-TOOL™ Technician Kit

ETK12TEC 11 Blade E-Tool TECHNICIAN Auto Glass Specialist Kit

This comprehensive kit, designed for the Mobile Auto Glass Professional, contains a wider range of mostly serrated blades which are preferred for their faster cut-out times. Includes adjustable cutting depth control arms. Safely remove any bonded glass from any vehicle!

KIT CONTENTS:

Power Tool:
E-Tool, 12V Battery in Carry Bag, Charger

Blades:
WK1-S, WK2-S, WK4-S, WK4R-S, WK4Z-S, WK4ZVR-S, WK24Z, WK24-S, WK27M, WK28M, WK6-M

Cutting Depth Control Arms:
WK11AW, WK11BW5, WK11CW, WK11EW, WK11FW

Accessories:
WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Also see Spade Blades on Page 18

Packaging:
Sturdy Plastic Carry Box

Training Package:
User Manual, Online Videos

E-TOOL™ Classic Kit

ETK12CLS 7 Blade E-Tool CLASSIC Auto Glass Kit

This Mobile E-Tool kit contains an assortment of serrated & non-serrated blades to easily remove modern vehicle glasses, including laminated & encapsulated style glasses. Includes adjustable cutting depth control arms.

KIT CONTENTS:

Power Tool:
E-Tool, 12V Battery in Carry Bag, Charger

Blades:
WK2-S, WK3, WK24Z-S, WK24ZR-S, WK27M, WK28M, WK6-M

Cutting Depth Control Arms:
WK11AW, WK11BW5, WK11CW, WK11FW

Accessories:
WK7, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Also see Spade Blades on Page 18

Packaging:
Sturdy Plastic Carry Box

Training Package:
User Manual, Online Videos

BTB's Air Tool and E-TOOL™ have the same blades, blade applications, cutting depth control arms and accessories. See page 14 on for details.

E-TOOL™ Starter Kit

ETK12STR 4 Blade E-Tool STARTER Introduction Kit

This Mobile E-Tool kit is ideal kit for introducing mobile auto glass technicians to the BTB removal system. Contains a small selection of BTB's most used blades and adjustable cutting depth control arms for modern style vehicle glass removals.

KIT CONTENTS:

Power Tool:
E-Tool, 12V Battery in Carry Bag, Charger

Blades:
WK2-S, WK4Z-S, WK27M, WK28M

Cutting Depth Control Arms:
WK11BW5, WK11FW

Accessories :
WK7, WK8DSM, WK9, WK11VEL, WKGA

Also see Spade Blades on Page 18

Packaging:
Sturdy Plastic Carry Box

Training Package:
User Manual, Online Videos

E-TOOL™ Power Tool with Battery Pack & Charger

ETK1205 E-Tool with 12 Volt Battery in Carry Bag and 110/240V Smart Charger

Ideal for existing BTB system users who already have cutting blades or a tool kit but would like to use it for mobile / on-road work. Includes power tool, battery pack and charger. No blades included.

KIT CONTENTS

Power Tool:
E-Tool, 12V Battery in Carry Bag, Charger

Accessories:
WKGA

Training Package:
User Manual, Online Videos

E-TOOL™ Power Tool Only

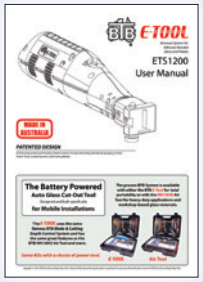
ETS1200 E-Tool Plus WKGA Tool Accessory Kit

NOTE: *#ETS1200 power tool is conveniently powered using the #ETS12B5 Battery Pack or* ***alternate 12 volt power sources (See Page 5)***

NOTE !

Very Low vibration levels of BTB's Air Tool and E-Tool help avoid hand / arm vibration injuries.

E-Tool battery chargers are supplied with a region-specific AC power cord.



Every E-Tool and E-Tool kit comes with a detailed 16 page User Manual which provides excellent and valuable guidelines, hints and tips for most cut-out and glass types.

Body Shop Additional Removal Applications

See the tool in action at btbtools.com/videos

Removal of a broken front windscreen is easy. The challenges to auto body repairers are removal and re-installation of unbroken, expensive or encapsulated front, side and rear glasses, panoramic glass roofs and bonded panels. The BTB tool specialises in all applications.

Gain control of workshop job-flow times by adopting **IN-HOUSE GLASS REMOVAL**.

Safely remove difficult and expensive quarter & hatch glasses and **PANORAMIC GLASS ROOF & FRAME ASSEMBLIES** for re-installation.

Powerful tool & strong blades cut tough adhesive to **REMOVE ADHESIVE BONDED PANELS** or panel sections.

Quickly and **SAFELY REMOVE BODY MOULDS**, bump strips, badges, nameplates, decals and emblems. The blade's smooth surface slides freely against a painted panel, resulting in no damage to paint or part.

BTB's Famous Air Powered

Cut-Out Tool & Blade System for all Auto Glass and:

- ***Precision removal of any difficult body shop glass for reinstallation.***
- ***Bonded body panels & parts.***
- ***Mouldings, nameplates & badges.***

Powerful, Precise, Versatile and Reliable

See the tool in action at btbtools.com/videos

The BTB system allows Auto Body / Collision Repair shops to adopt in-house glass removals and control workshop job flow times.

Air Power Tool Only

WK10HD Air Tool with WKGA Tool Accessory Kit

Includes airline with fitting.

See the tool in action at btbtools.com/videos

NOTE !

All BTB blades are designed for use in the BTB E-TOOL™ or Air Tool and Manual Handles.

Body Shop Tradesman Kit

WKTDM-BX 13 Blade Air Tool TRADESMAN Body Shop Kit

This professional Automotive body shop kit contains the most popular blades needed for the auto body repairer, dealership workshop & auto dismantler/ recycler. Includes an assortment of non-serrated & serrated blades. Serrated blades are mostly used for glass and/or panel removal. Non-serrated blades are for removing adhesive fitted side body mouldings, emblems and nameplates without damage to glass, moulding or painted panels.

KIT CONTENTS:

Power Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK1-S, WK4, WK4R-S, WK4Z-S, WK4ZR-S, WK24Z, WK24ZVR-S, WK24-S, WK27S, WK27M, WK28S, WK28M, WK6-M

Cutting Depth Control Arms:
WK11AW, WK11BW5, WK11CW, WK11EW, WK11FW

Accessories:
WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Also see Spade Blades on Page 18

Packaging:
Sturdy Plastic Carry Box

Training Package:
User Manual, Online Videos

Body Shop Starter Kit

WKSTR-BX 4 Blade Air Tool STARTER Kit

The ideal kit for introducing body repairers to the BTB removal system. Contains a small selection of BTB's most used blades and adjustable cutting depth control arms for modern style vehicle glass removals.

KIT CONTENTS:

Power Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK2-S, WK4Z-S, WK27M, WK28M

Cutting Depth Control Arms:
WK11BW5, WK11FW

Accessories:
WK7, WK8DSM, WK9, WK11VEL, WKGA

Also see Spade Blades on Page 18

Packaging:
Sturdy Plastic Carry Box

Training Package:
User Manual, Online Videos

AIR TOOL Basic Kit

WKBASIC Basic 4 Blade Toolkit in Cardboard Box

This is the entry level Air Tool kit ideal for ideal kit for introducing customers to our BTB Removal System. This kit contains the WK10HD Air Powered Cut-Out Tool and a small selection of blades. The basic and compact cardboard box packaging also helps lower the cost of the kit.

KIT CONTENTS:

Power Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK2-S, WK4Z-S, WK27M, WK28M

Cutting Depth Control Arms:
WK11BW5

Accessories:
WK7, WK11VEL, WKGA

Also see Spade Blades on Page 18

Packaging:
Cardboard Box

Training Package:
User Manual, Online Videos

Bus, Truck, Rail & Heavy Vehicle Applications

Glass, panel and bonded component removal in large vehicles involves harder and wider beads of adhesive. BTB's robust air tool is designed for heavy duty applications.

CUT FROM OUTSIDE with PCK blades or combine inside and outside cuts for large and difficult glasses.

CUT FROM INSIDE with standard blades for **WIDE, HARD, DOUBLE or HIDDEN ADHESIVE BEADS**

REMOVE BONDED PANELS or accident damaged panel sections for repair from buses, trains and similar vehicles.

TRIM Excess sealant off frames and body panels.

BTB's Famous Air Powered
Glass & Panel Removal Tool

BTB's Air Tool is small but incredibly powerful and great for everyday jobs, or for prolonged heavy duty use in removal of glass and bonded panels from buses, trains and other similar vehicles.

Bus, Truck and Rail Kit

WKBTR15-BX 15 Blade BUS TRUCK & RAIL Air Tool Kit

For the bus, truck, rail and commercial industries, this tool kit is suited to removal of adhesive bonded glass and bonded panels on today's transport fleets. The kit includes external and internal cutting blades, as well as blades to easily remove adhesive backfill from between glasses. Adjustable cutting depth control arms regulate cutting depth.

See the tool in action at btbtools.com/videos

KIT CONTENTS:

Power Tool:
WK10HD Heavy Duty Air Tool

Blades:
WK1-S, WK1X, WK2-S, WK4Z-S, WK4ZR-S, WK4-S, WK5-S, WK27S, WK27M, WK27L, WK28S, WK28M, WK28L, WK6-L, WK6-40

Cutting Depth Control Arms:
WK11BW5, WK11DW5, WK11EW

Accessories:
WK7, WK7L, WK8DSM, WK9, WK9B, WK11VEL, WK20, WKGA

Also see Backfill Removal Blades on Page 23

Packaging:
Sturdy Plastic Carry Box

Training Package:
User Manual, Online Videos

Blade Design Summary

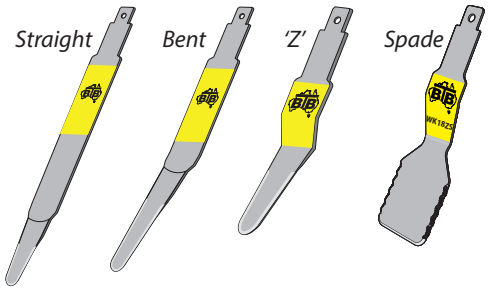
The BTB System incorporates SIX basic blade types:

- ***Standard Straight Blades,***
- ***Standard Bent Blades,***
- ***Standard 'Z' Blades,***
- ***Standard 'Spade' Blades,***
- ***Powered Cold Knife Blades,***
- ***Pinchweld Trimming Blades.***

BTB's Power Tools, Control System & Selected Cutting Blades have Registered Patents/Designs Extending Worldwide

Standard Blades

Straight, Bent, 'Z' and 'Spade' blades provide for a variety of lengths, flexibility, angles and blade tips.

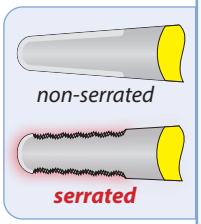


NOTE: **See colour coding below**

Non-Serrated vs Serrated Tips

Non-Serrated blades can be used in all removal applications.

Serrated "-S" blades provide a faster and more aggressive cut for glass removal.



Blade Length

Extra blade length may be needed to reach adhesive deep below dashboards or in other long reach applications. However, in general, shorter blades provide more cutting control and a long blade should not be used if a short blade does the job.

Colour Coding

YELLOW blades cut with the flat side of the blade tip facing and cutting against the glass surface.

ORANGE reverse blades cut with the flat side of the blade tip facing and cutting against the pinchweld, **underneath** encapsulated glass mould.

NOTE !

ORANGE & BLUE blades have their cutting tips bent opposite to YELLOW blades.

GREEN and BLUE blades are a double bevelled safety-edge version of YELLOW and ORANGE blades respectively. See the V blades section on Page 19 for further details.

Flexibility

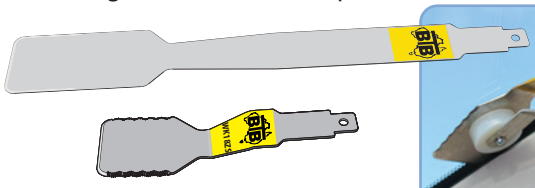
Flexible blades are simply ground thinner, allowing the blade to bend and follow the contour of curved glasses.

Spade Blades

BTB's 'Spade' blades provide **safe and superior control** with their **40mm wide blade and cutting edge** resting against the glass or panel surface.

Push them forward to cut with the wide face or **pull them backward** to cut with the serrated side.

Non-serrated versions are great for removing body side mouldings, emblems & nameplates.



Powered Cold Knife Blades

BTB's Powered Cold Knife Blades cut out a glass from outside the vehicle the same as a manual cold/pull knife. There is no strain on operator or physical force required because the BTB power tool does all the cutting work, more efficiently and safer for the vehicle and yourself.

NOTE: also available in reverse **Orange** grind for safely removing encapsulated glass.

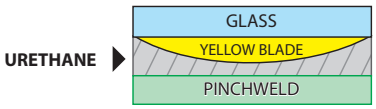
Refer Page 22

Pinchweld Trimming Blades

BTB's exclusive anti-scratch trimming blades are uniquely sharpened with special wings on each side, leaving a thin even layer of adhesive for re-bonding and eliminating damage to paintwork and vertical pinchweld walls.

WK6 wing profile

Standard Straight Blades



Applications

Standard Straight Blades are designed to cut adhesive very close to glass surface by placing the flat side of blade tip against the glass.

- Mostly used for cutting from inside vehicle,
- Easily reach urethane below dashboards or for long reach applications,
- For extra-long reach applications see WK1X and WK1ZX blades below.

Part / Length	*Flexible*	*C/Arm*	*Blade Image*	*Specific Applications*
WK1 300 mm		WK11EW		Non-serrated for cutting below deep dashboards & long reach applications.
WK1-S 300 mm		WK11EW	*Serrated*	Cutting below deep dashboards & long reach applications.
WK2 240 mm		WK11FW		Non-serrated for general medium reach cutting.
WK2-S 240 mm		WK11FW	*Serrated*	Medium reach blade and for cutting below dashboards.
WK5 130 mm		WK11DW5		Rigid and non-serrated short general trimming blade.
WK5-S 130 mm		WK11DW5	*Serrated*	Rigid serrated short blade ideally suited for backfill adhesive removal in bus/truck/rail glass removals.

Extra Long Blades

Applications

These blades may be required in special and extra long reach applications to access adhesive where other blades may not reach.

NOTE ! **Do not use long blades when a short blade will do. A short blade brings the blade cutting tip closer to the nylon controller cap, resulting in more precise controlled cutting of adhesive.**

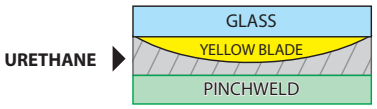
Part / Length	*Flexible*	*C/Arm*	*Blade Image*
WK1X 380 mm		N/A	
WK1ZX 380 mm		N/A	

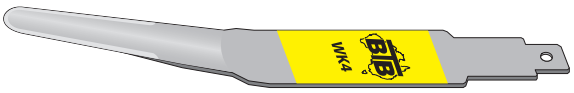
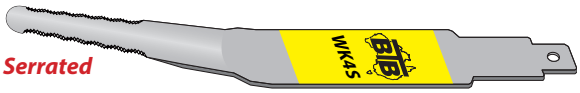
All BTB Blades are designed for use in the BTB E-Tool, Air Tool and Manual Handles.

Bent Blades

Applications

For general use and mostly for cutting from inside vehicle. These blades provide access to adhesive in mid-range reach applications and for curved glass where extra reach is required.



Part / Length	*Flexible*	*C / Arm*	*Blade Image*	*Specific Applications*
WK3 190 mm		WK11FW		Semi-rigid non-serrated multi-purpose blade.
WK3-S 190 mm			*Serrated*	Semi-rigid serrated multi-purpose blade.
WK4 190 mm	✔			Flexible non-serrated medium reach blade for curved glass applications.
WK4-S 190 mm	✔		 *Serrated*	Flexible serrated medium reach blade commonly used for curved glass on rear hatch doors.
WK24 240 mm	✔			Flexible non-serrated longer reach blade follows contour of curved glass and cuts hard to reach adhesive.
WK24-S 240 mm	✔		*Serrated*	Flexible serrated longer reach blade follows contour of curved glass on rear hatch doors and cuts hard to reach adhesive.

Z Blades

TIP *Non-Serrated blades can also remove body side mouldings, emblems, decals and nameplates.*

Applications

Mostly used for cutting from inside vehicle using cutting depth control arms to protect painted surfaces. Common applications are top and sides of windscreens and other interior cutting where working close to cutting area is possible and in confined work areas. Interior trims often do not need to be removed.

Part / Length	Flexible	C/Arm	Blade Image	Specific Applications
WK5Z-S 120 mm		WK11AW / WK11BW5	NEW Serrated	These shorter blades are even better for gaining access into confined areas, and are small and compact for use on quarter glasses.
WK4Z 140 mm				Rigid non-serrated short blade for precise control. Can also be used to remove body moulds, badges, emblems and decals.
WK4Z-S 140 mm			Serrated	Rigid serrated short blade for precise cutting from inside vehicle, along A-Pillars, top of windscreen and other flat or slightly curved glasses.
WK24Z 150 mm	✔			Short blade with longer flexible non-serrated tip for curved glass removals. Can also be used to remove body moulds, badges, emblems and decals.
WK24Z-S 150 mm	✔		Serrated	Short blade with longer flexible serrated tip for curved glass removals.

Reverse 'R' Blades For Encapsulated or Exposed Edge Glass

Applications

ORANGE blades are for safe removal of undamaged encapsulated glasses by cutting adhesive against the pinchweld or panel surface from inside vehicle.

Also great to use from outside vehicle with flat side of blade against exposed edge glass.

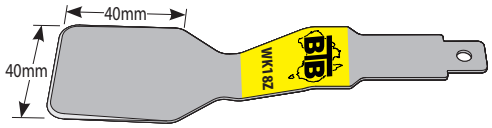
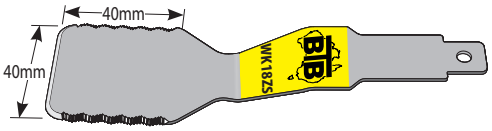
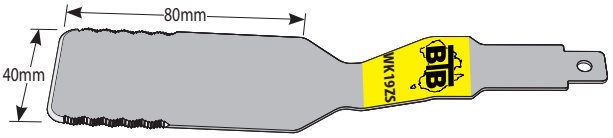
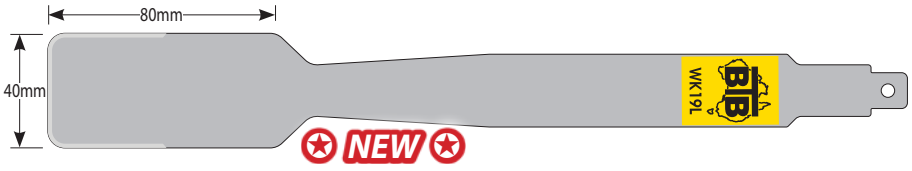
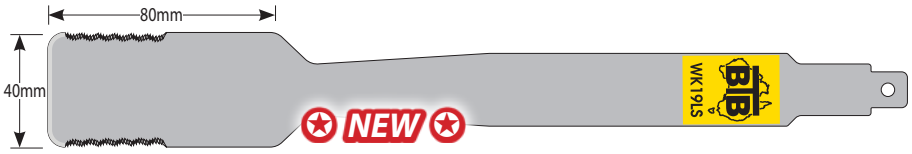
Part / Length	Flexible	C/Arm	Blade Image	Specific Applications
WK5ZR-S 120 mm		WK11CW under blade	NEW Serrated	These shorter blades are even better for gaining access into confined areas and are small and compact for use on quarter glasses.
WK4ZR-S 140 mm			Serrated	Rigid short reverse blade for precise control cutting of easy-to-reach adhesive.
WK24ZR-S 150 mm	✔		Serrated	Flexible short reverse blade for precise cutting and is designed to follow contour of curved encapsulated glass.
WK4R-S 190 mm	✔		Serrated	Flexible medium reach reverse blade for accessing hidden adhesive and will follow contour of curved encapsulated glass.
WK24R-S 240 mm	✔		Serrated	Flexible serrated longer reverse blade providing extra reach for hidden adhesives on curved encapsulated glasses.

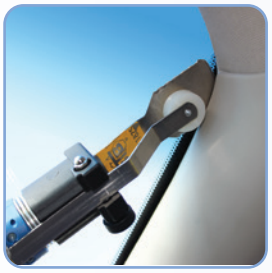
Spade Blades

TIP *Great for cutting/separating hidden glass locator pins.*

Applications

For cutting from inside vehicle, these blades provide precise stability and control with their 40mm wide flat surface resting on the glass or panel. These blades use the same depth control arms as other BTB blades.

Part / Length	*C / Arm*	*Blade Image*	*Specific Applications*
WK18Z 140 mm	WK11AW / WK11BW5		**Windshields & Glass Removal** These blades will cut in either direction either by pushing forward or pulling backward against serrated edges. Their wide tip is also great for separating glass locator pins and remaining adhesive stringers hidden behind black frit/band. **Body Mouldings, Emblems & Badges** The Non-serrated WK18Z & WK19L blades allow quick, simple and damage free removal of mouldings, bump strips, decals and emblems, including thin and delicate nameplates. Their wide, flat, and smooth surface slides freely against a painted panel, causing no damage to paint or part.
WK18Z-S 140 mm		 *Serrated*	
WK19Z-S 180 mm		 *Serrated*	
WK19L 300 mm	WK11EW		**Cutting Depth Control** BTB's exclusive cutting depth control arms also apply to Spade Blades.
WK19L-S 300 mm		 *Serrated*	

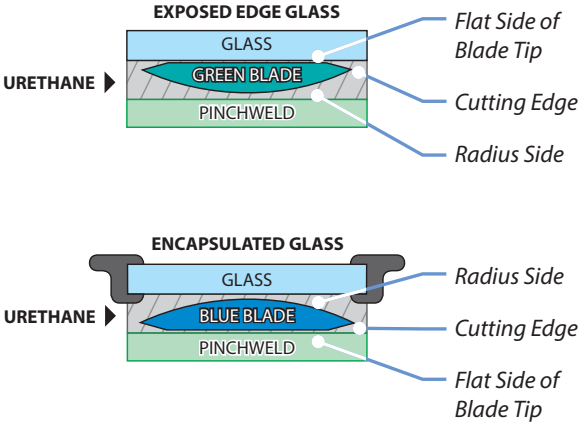


'V' & 'VR' Safety Edge Blade Design

As with the YELLOW and ORANGE blades, the flat side of these blades also steer toward the glass or panel. However, BTB's exclusive 'V' (GREEN) & 'VR' (BLUE) blades have the cutting edge suspended a small distance away from the flat surface to avoid potential damage to the painted surface or softer material panels (aluminium, fibreglass, polycarbonates). These surfaces are not flat and hard like glass, and often have high or low areas (panel joins, lap-overs or spot-welds). Like all BTB blades, the operator must select the blade that will allow the flat side of the cutting tip to face and hug the surface that you want to cut against.

Part Numbering

Safety Edge blades have a 'V' in their part number to identify them as Safety Edge Blades. eg. WK4ZV-S, WK24ZVR-S.



'V' & 'VR' Safety Edge Blades

Applications

The 'V' GREEN label **WK24ZV-S, WK24ZV** (flexible) blades are a safety edge version of their equivalent YELLOW blades. They cut with the flat side against the glass. See the Z Blades section on page 17.

The 'VR' BLUE label **WK4ZVR-S** (rigid) and **WK24ZVR-S** (flexible) blades are a safety edge version of their equivalent 'R' ORANGE blades. See Reverse 'R' Blades For Encapsulated and /or Exposed Edge Glass on page 17. They will safely remove undamaged encapsulated glass without scratching paintwork while still cutting close to the pinchweld. BLUE blades should be introduced into the adhesive with the flat side against the pinchweld.

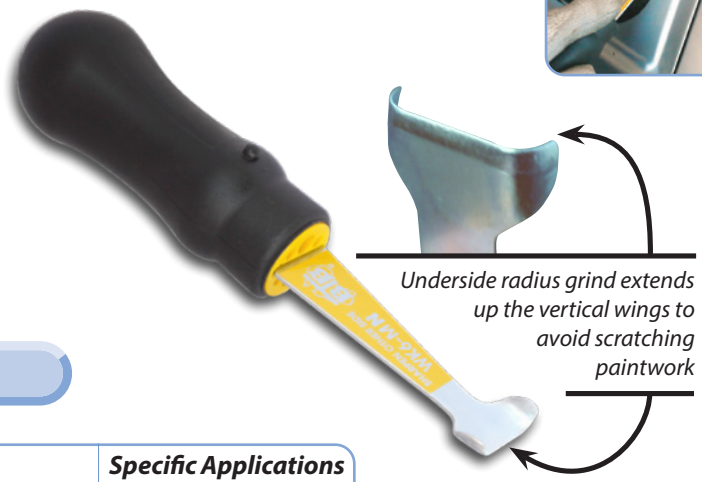
Part / Length	*Flexible*	*C / Arm*	*Blade Image*	*Specific Applications*
WK4ZVR-S 140 mm		WK11CW	*Serrated*	Rigid serrated short blade used for cutting against pinchweld from inside vehicle in flat or slightly curved encapsulated glass removal applications.
WK24ZVR-S 150 mm	✔		*Serrated*	Flexible serrated short blade used for cutting against pinchweld from inside vehicle in curved encapsulated glass removal applications.
WK24ZV-S 150 mm	✔	WK11AW / WK11BW5	*Serrated*	Flexible serrated tip for removal of curved glasses and for cutting against softer materials.
WK24ZV 150 mm	✔			Flexible non-serrated short blade for removal of body moulds and emblems from concave panel surfaces.

Non-Scratch Pinchweld Trimming Blades

Applications

BTB's WK6 range of winged non-scratch Pinchweld Trimming Blades allow easy and safe removal of excess adhesive. They have a special and distinct radius grind cutting edge to the underside, extending up the vertical wing on each side, which avoids any damage to painted pinchwelds, including the vertical pinchweld wall, and which leaves a thin even layer of adhesive on the pinchweld for re-bonding.

See the tool in action at btbtools.com/videos



Underside radius grind extends up the vertical wings to avoid scratching paintwork

Regular Profile Trimming Blades

Part / Width	*Blade Image*	*Specific Applications*
WK6-S 20mm 15mm		This blade is best suited for trimming narrow beads of bonding adhesive.
WK6-M 28mm 20mm		This blade covers most pinchweld trimming applications.
WK6-L 34mm 25mm		This blade is best suited to trimming wider beads bonding adhesive.
WK6-40 40mm		The **WK6-40** blade is great for trimming wide adhesive beads on buses and trains
WK6-SET **4 Blade Set** ***Blades:*** WK6-S, WK6-M, WK6-L, WK6-40 ***Accessories:*** *WK7, WKKEY*		This pinchweld trimming set will cater for ALL of your adhesive trimming requirements.
WK6-KIT **4 Blade Set in Storage Toolbag** ***Blades:*** WK6-S, WK6-M, WK6-L, WK6-40 ***Accessories:*** *WK7, WKKEY* ***Blade Lengths:* 115mm**	 This pinchweld trimming set will cater for ALL of your adhesive trimming requirements.	

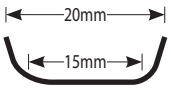
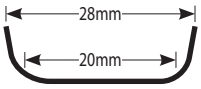
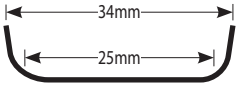
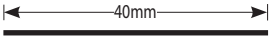
No more scratching or touching up paintwork!

✪ WK6 blades are excellent for removing urethane embedded with shattered glass. ✪ Auto Body repairers can use these for body deadener, hemlock and seam seals.

NOTE !

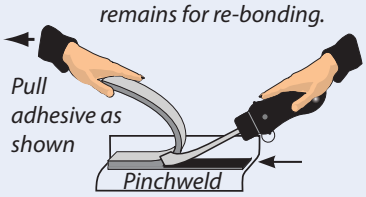
Narrow Profile Trimming Blades

These narrow profile blades provide better clearance when working up closely against the raised section on vehicle Roof Panels, A-Pillars and Trims/Fittings.

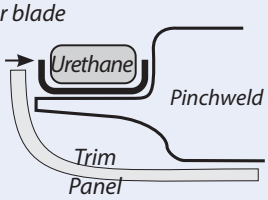
Part / Width	Blade Image	Specific Applications
WK6-SN 		This blade is best suited for trimming narrow beads of bonding adhesive.
WK6-MN 		This blade covers most pinchweld trimming applications.
WK6-LN 		This blade is best suited to trimming wider beads bonding adhesive.
WK6-40N 		The **WK6-40N** blade is great for trimming wide adhesive beads on buses and trains
WK6-N-KIT **4 Blade Set in Storage Toolbag** ***Blades:*** WK6-SN, WK6-MN, WK6-LN, WK6-40N ***Accessories:*** *WK7, WKKEY*	***Blade Lengths:* 115mm** This pinchweld trimming set will cater for ALL of your adhesive trimming requirements.	

HOW THESE BLADES WORK

A thin even layer of adhesive remains for re-bonding.



Wings protect pinchweld wall and interior trim and allows adhesive to steer blade

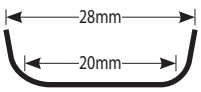


WK6 blades are excellent for removing urethane embedded with shattered tempered glass.

NOTE !

BTB's WK6 blades can be used in the WK7 manual handles or power tools.

Long Pinchweld Trimming Blade

Part / Width	Blade Image	Specific Applications
WK6-MXN 	***Blade Length:* 150mm**	These blades provides longer reach and greater clearance.

Flat Pinchweld Trimming Blades

Like the winged blades, flat WK6 blades include an underside radius grind. They are good for general trimming applications.

Part / Width	Part / Width / Blade Image
WK6-20N 20 mm	***Narrow Profile***
WK6-25N 25 mm	***Narrow Profile***

The **WK6-40 / WK6-40N** blade is great for trimming wide adhesive beads on buses and trains.

Part / Width	Part / Width / Blade Image
WK6-40 40 mm	
WK6-40N 40 mm	***Narrow Profile***

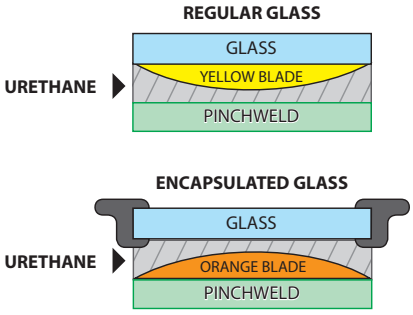
Powered Cold Knife Blades

Applications

BTB's Powered Cold Knife Blades cut underneath the glass edge **from outside the vehicle** for a fast cut-out similar to a manual cold/pull knife. However, there is no physical force, strain on operator or pressure on glass, because the BTB power tool does all the cutting work, more efficiently and far safer for the vehicle and yourself. Due to the reciprocating **in-line** blade action, these thin and smoothly polished blades can operate between most close fitted glass and pinchwelds without damage to painted pinchweld wall.

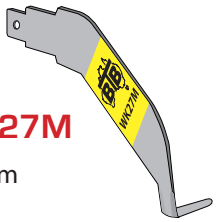
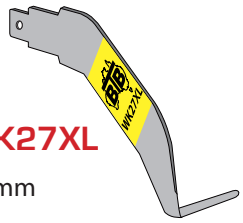
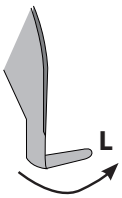
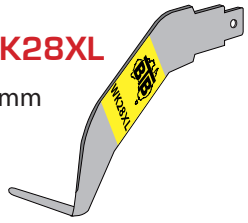
Reverse profile 'R' **ORANGE** blades are for saving expensive encapsulated glasses. They are designed to cut with the flat side of the blade against the pinchweld of vehicle body panel and underneath the encapsulated moulding. Also can be used to assist in the removal of panoramic roof glass / frames.

CUTTING FROM OUTSIDE OF VEHICLE



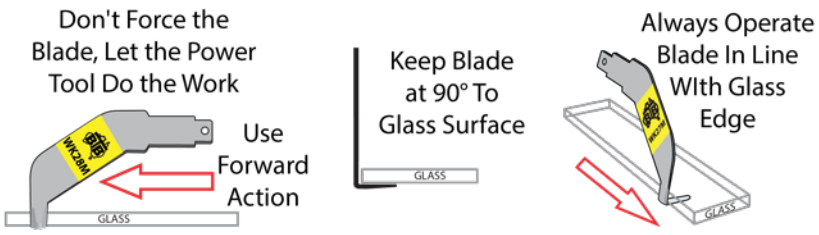
TIP

1. *Always start using the shortest blade tip available, then progress to longer blade tip if required.*
2. *If the adhesive is set further back from the glass edge, BTB recommends an internal cut method using Standard Straight, 'Z' or Bent blades **OR** if exposed edge glass, use WK4ZR-S reverse blade from outside vehicle **as shown on page 17**.*

Part / Tip Length				***Blade Tip Direction***
WK27S 19 mm	 **WK27M** 25 mm	**WK27L** 30 mm	 **WK27XL** 45 mm	***WK27*** » *tip facing left* 
WK28S 19 mm	**WK28M** 25 mm	**WK28L** 30 mm	 **WK28XL** 45 mm	***WK28*** » *tip facing right*

Part / Tip Length	***Application***
WK27RM 25 mm	Reverse 'R' **ORANGE** blades have the flat side of cutting tip down and **cut underneath the encapsulation** from outside the vehicle.
WK28RM 25 mm	

Correct Use

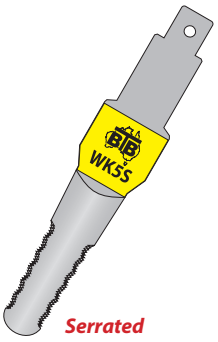
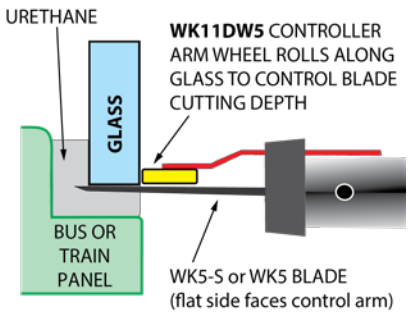
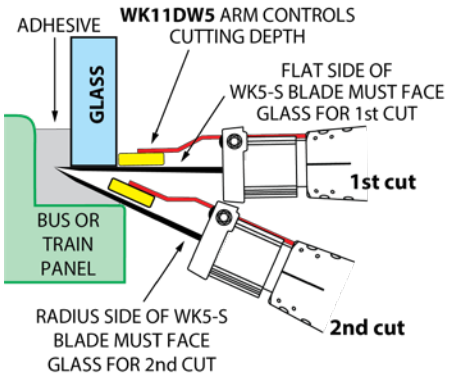


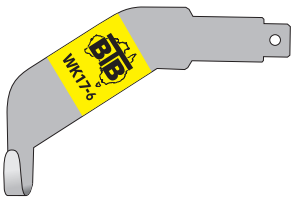
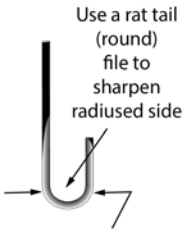
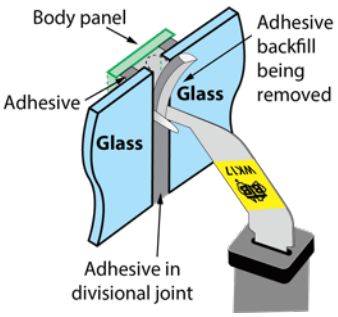
Adhesive Backfill Removal Blades

Applications

Backfill removal blades are used to quickly remove adhesive backfill from between panel & glass edges and are excellent for buses, trains, RV's, marine (including decking removal) and a range of other backfill removal applications.

WK5-S Blade

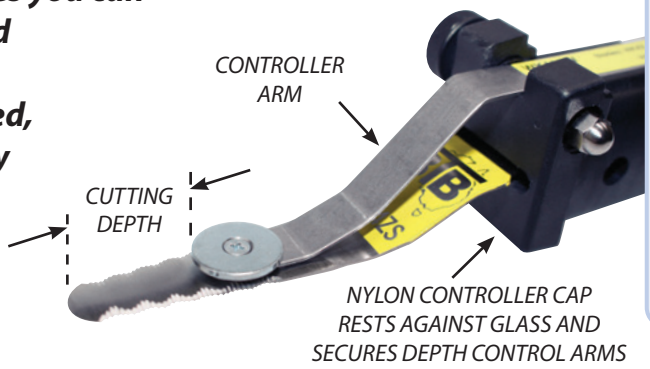
Part / Length	*Blade Image*	*Cutting Technique*	
WK5-S 130 mm	 *Serrated*		

Part / Channel	*Blade Image*	*Cutting Technique*	
WK17-6 6 mm **WK17-4** 4 mm			

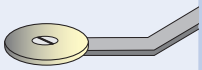
WK17 Blade

BTB's patented adjustable cutting depth control system ensures you can cut with precision and confidence and only cut as deep as required, avoiding unnecessary damage to the pinchweld, blade, mouldings or glass.

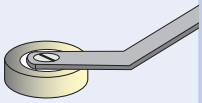
PATENT APPLIES



CONTROLLER ARM WHEELS



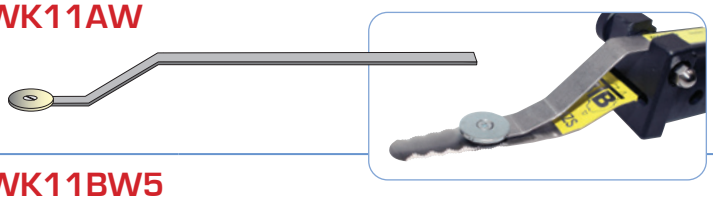
Controller Arms with the **THIN** 1mm wheel are designed to roll smoothly along uneven (in and out) urethane surfaces.



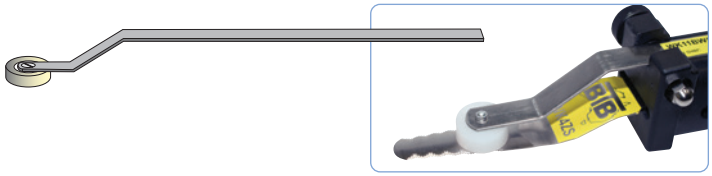
Controller Arms with the **THICK** nylon wheel are designed to roll along A-pillar trim, soft headliner or vehicle body panel.

Controller Arms For 'Z' Blades

WK11AW

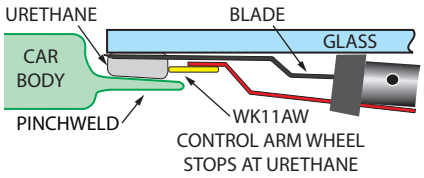


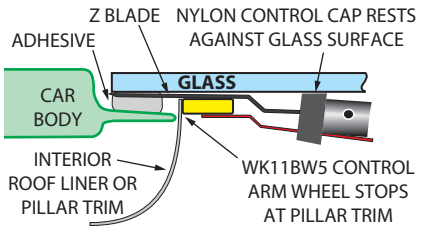
WK11BW5



For Blades:

WK4Z, WK4Z-S, WK5Z-S, WK5ZR-S, WK18Z, WK18Z-S, WK19Z-S, WK24Z, WK24Z-S, WK24ZV, WK24ZV-S.





Controller Arms For Reverse Blades

WK11CW

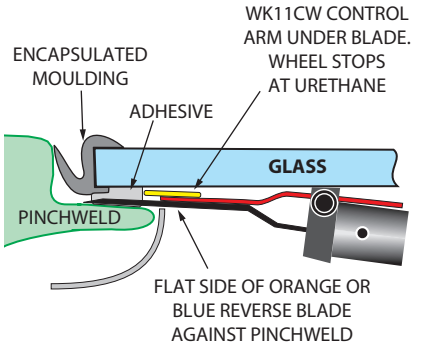
*While cutting against pinchweld **(not against the glass)**, use the WK11CW control arm underneath all **ORANGE** and **BLUE** reverse blades, to provide support to reciprocating blade and avoiding flapping.*

IMPORTANT !

For Blades:

Long end for: WK24ZR-S, WK24ZVR-S, WK24R-S.

Short end for: WK4ZR-S, WK4ZVR-S, WK4R-S.

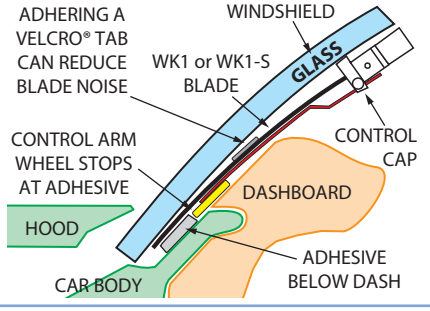


Controller Arms For Long Blades

WK11EW

For Blades:

WK1, WK1-S, WK19L, WK19L-S.



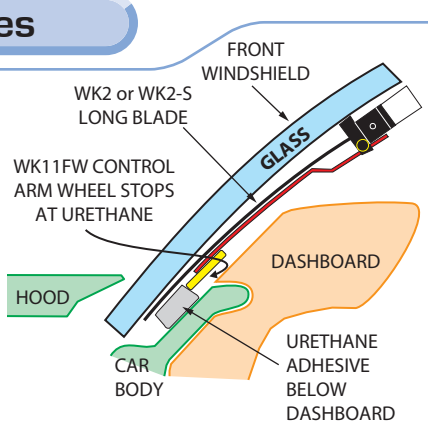
Controller Arm For Mid-Length Straight & Bent Blades

WK11FW

For Blades:

Long end for:
WK2, WK2-S,
WK24, WK24-S.

Short end for:
WK3, WK3-S,
WK4, WK4-S.

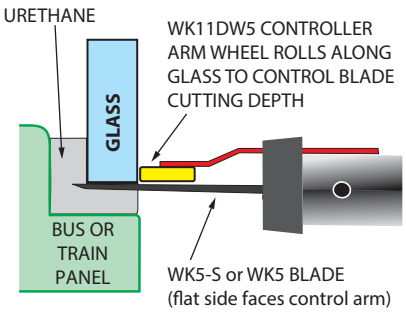


Controller Arm For Short Straight Blades

WK11DW5

For Blades:

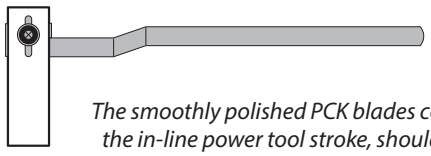
WK5,
WK5-S.



Paint Protector For Powered Cold Knife (PCK) Blades

WK11PP

Includes 2 x spare protection strips



The smoothly polished PCK blades combined with the in-line power tool stroke, should not scratch paintwork. However the WK11PP provides additional paintwork protection and stops blade contacting pinchweld wall or panel corners.

For Blades:

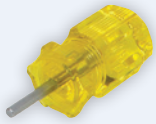
WK27 range,
WK28 range.

Tool Kit Accessories

WKGA KIT ACCESSORY PACK

All items below are in the WKGA kit and available separately. The WKGA kit is included with every BTB power tool.

WKKEY
4mm Allen Key



SPB34-5
Saw Guide

WK100B
Oil Bottle with Oil

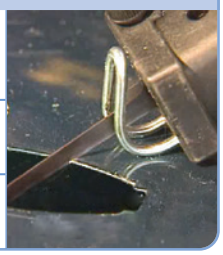
SPB33F
Flat Nose Grub Screw

for use with air body saw blade

24 Teeth/Inch Air Body Saw Blade

AIR BODY SAW BLADES – PKT 5

Part	Teeth / Inch
WK620	24
WK630	32



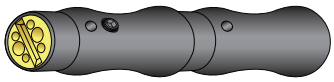
TOOL KIT PACKAGING

WKBX Replacement Sturdy Plastic Tool Kit Box

MANUAL HANDLES (for all blades)

WK7
Manual Blade Handle

WK7L
Manual Blade Double Handle



KIT COMPONENTS

WK20
Plastic Paddle/Lever Tool

WK8DSM
Diamond Grit Blade Sharpening Stone

WK11VEL VELCRO® Brand
Self Adhesive Round Pads – Pkt 25

WK9
Cutting Lubricant Spray Bottle with Adjustable Nozzle

WK9B
Cutting Lubricant Concentrate Bottle for reserve supply

TRAINING MATERIAL

BTB E-Tool User Manual

BTB Air Tool User Manual

Training Videos Online

Training information and videos are also available at

btbtools.com/videos

E-TOOL™ Accessories

E-TOOL BATTERIES

ETS12B5
12 Volt 6Ah Battery in Carry Bag

NOTE: *#ETS12B5 must be charged with #ETSCAC Charger.*

ETSB5
12 Volt 6Ah Replacement Lead Acid Battery

NOTE: *Upgrade available to Lithium Iron batteries (Australia only)*

E-TOOL BATTERY CHARGER AND AC POWER SUPPLY CORDS

ETSCAC Battery Smart Charger

Includes an AC power supply cord. Please specify your preferred country-specific power supply cord when ordering.

Use only AC or pure sine wave input.

NOTE: *#ETSCAC is used to charge ETS12B5, not ETSB5.*

COUNTRY-SPECIFIC AC POWER SUPPLY CORD

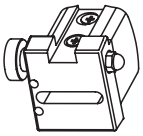
ETSCACAU	ETSCACUK
ETSCACUS	**ETSCACEU**

E-TOOL™ & AIR TOOL Spare Parts, Servicing & Repairs

For E-TOOL™ and WK10HD servicing and repairs please contact your BTB supplier.

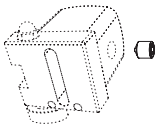
NYLON CONTROLLER CAP PARTS (SUIT BOTH WK10HD AIR TOOL AND E-TOOL™)

SPB34K
Nylon Controller Cap Assembly

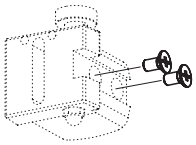


Includes 2 x SPB32

SPB33
Cone Point Blade Chuck Screw



SPB32
Controller Cap Screw (each)



SPB28BK
WK10HD Air Hose Assembly with Fittings

For other WK10HD Air Tool and E-TOOL™ spare parts see the respective user manuals which are available at https://btbtools.com/support

BTB AUTO GLASS & BODY SHOP TOOLS

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- **Quality At Our Heart**
- **Hands-On Experience and Industry Knowledge**
- **Worldwide Endorsement by Leading Manufacturers**
- **Cutting Solutions for Many Industries**

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Ensure you also visit **btbtools.com** for technical support and **alpoz.com.au** for our online shop with over 1500 moulds, tools and consumables dedicated to the auto glass & collision repair industries.

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2021-02