

## Warranty

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



**Safety First. Be Protected.**

## Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



Distributed by The Tool Connection Ltd

Kineton Road, Southam, Warwickshire CV47 0DR  
T +44 (0) 1926 815000 F +44 (0) 1926 815888  
info@toolconnection.co.uk [www.toolconnection.co.uk](http://www.toolconnection.co.uk)



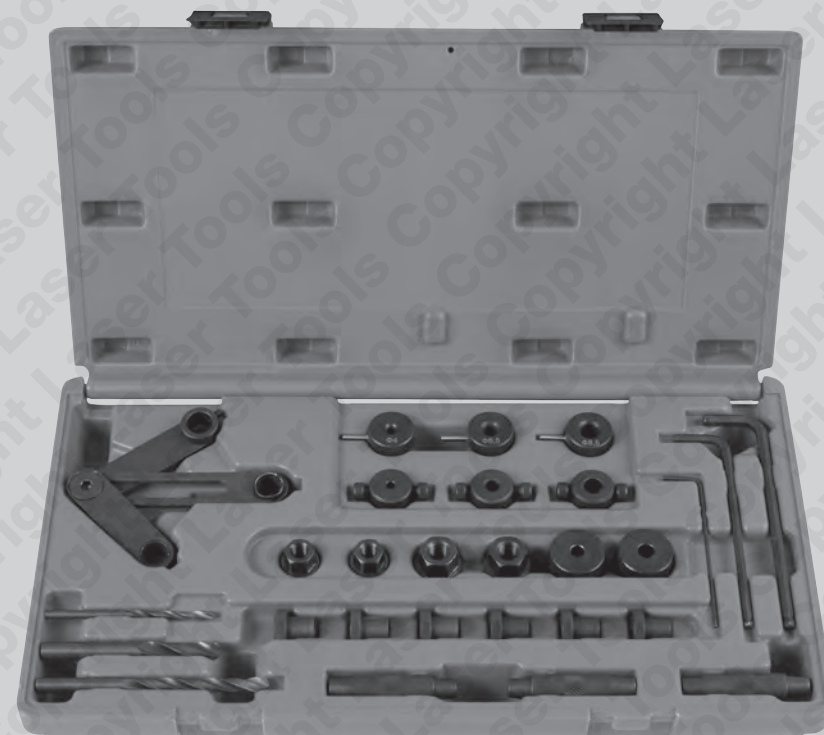
5 018341 065874 >

# LASER<sup>®</sup>

6587

## Universal Drill Guide Kit

### Instructions



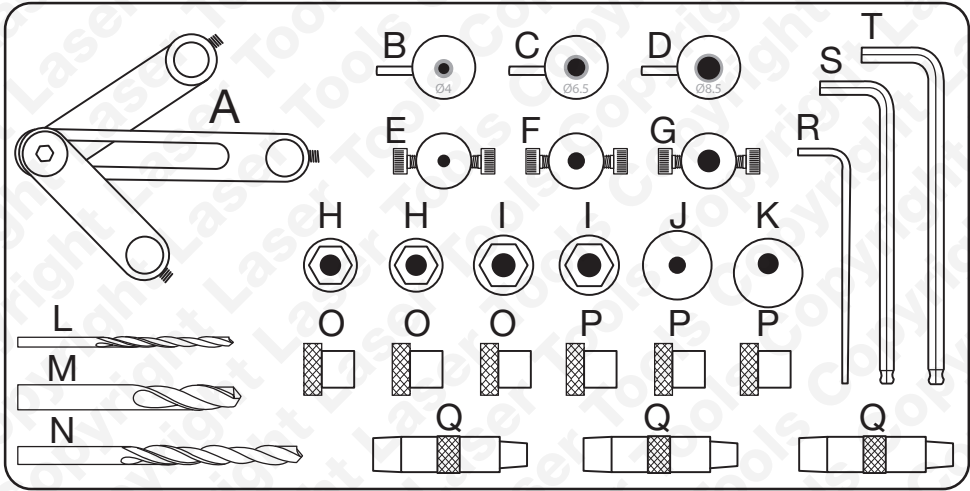
6587 - Universal Drill Guide Kit

This kit allows the user to drill out broken M8 and M10 studs and bolts. Ideal for use on exhaust manifolds, inlet manifolds, cylinder heads, gearboxes, differentials, etc, where stud size and spacing allows access.

By attaching the three-legged drill guide jig to two good stud or bolt fixings and aligning the third guide jig leg to the broken stud, the drills can be accurately aligned and the broken stud drilled out with confidence leaving just the remains of the thread to be picked out.

- Stud sizes: M8 and M10.
- Suitable for use on engines, casings, etc, on cars, motorcycles and commercial vehicles.
- Shallow design improves access to allow drilling in situ.
- Helps prevent drill wander which can cause extra damage to expensive components.

Components



Description		Quantity			
A	3-Leg adjustable drill guide jig	1	K	M10 alignment sleeve	1
B	Drill guide bush for 4mm drill	1	L	4mm HSS drill bit	1
C	Drill guide bush for 6.5 mm drill	1	M	8.5mm HSS drill bit	1
D	Drill guide bush for 8.5mm drill	1	N	6.5mm HSS drill bit	1
E	Drill stop for 4mm drill	1	O	M8 guide sleeve	3
F	Drill stop for 6.5mm drill (use on M8 stud)	1	P	M10 guide sleeve	3
G	Drill stop for 8.5mm drill (use on M10 stud)	1	Q	Double-ended, tapered alignment pins	3
H	M8x1.25 Hex holding nut	2	R	2mm hex key (use with A)	1
I	M10x1.50 Hex holding nut	2	S	4mm hex key (use with E,F,G)	1
J	M8 alignment sleeve	1	T	5mm hex key (use with A on main pivot)	1

**NOTE:** The drill bits (L, M, N,) are consumable items, and thus not covered by the Tool Connection guarantee.

## Precautions

- Ensure end of broken stud is cleaned and levelled with a file to assist drilling.
- Ensure alignment is correct and that drill jig is correctly set and tightened before drilling.
- Use double-ended alignment pins **Q** (one end 8mm, one end 10mm), to align and set drill guide jig **A** where stud has broken off below surface of head/manifold, and/or alignment is necessary to threaded holes rather than studs. Alignment pins **Q** are pushed into these threaded holes to set the alignment of **A**.
- Always start with the 4mm pilot drill.
- Ensure drill stop depth is correctly set before drilling.
- Hand and eye protection must be worn during drilling process.
- The Tool Connection cannot be held responsible for any damage caused by using these tools.

## Instructions

