THE ENVIRONMENT

Always dispose of unwanted tools, accessories and packaging materials in an environmentally friendly manner.

QUALITY GUARANTEE & WARRANTY

INDEXA TOOLS carry a one year manufacturer's warranty.

INDEXA TOOLS are designed & manufactured to the highest standards & specifications.
Assuring the quality and performance required by all sectors of industry.

INDEXA TOOLS are fully guaranteed against faulty materials & workmanship.
Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

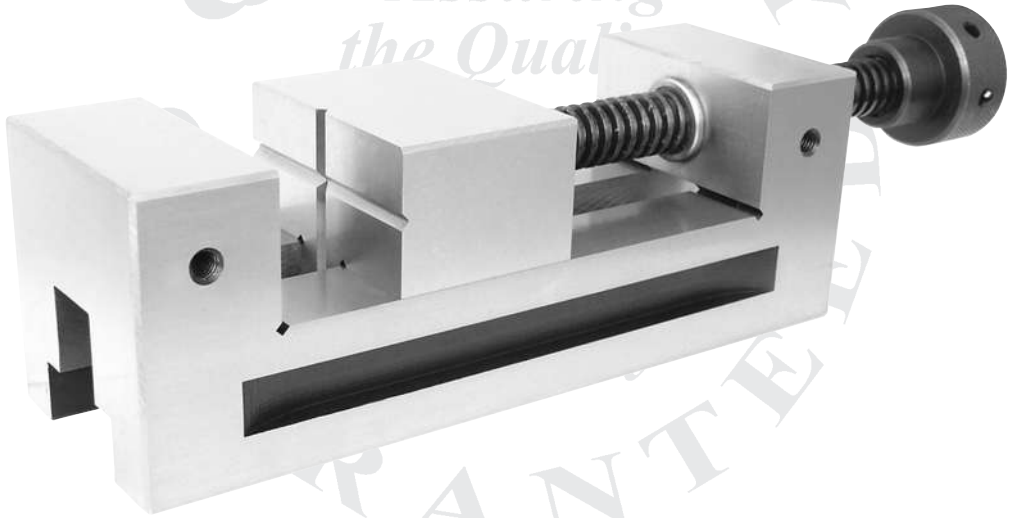
INDEXA-SEIKI, WIGSTON, LEICESTER, ENGLAND, LE18 4PW

INDEXA™

HIGH PRECISION TOOLMAKERS VICES

MODEL	ORDER CODE
HTV050	IND-445-0400K
HTV073	IND-445-0430K
HTV100	IND-445-0450K

- Squareness and parallelism to within 0.003mm
- Designed for precision grinding



WARNING: THE SAFETY INFORMATION GIVEN INSIDE MUST BE READ AND UNDERSTOOD BY ANY PERSON USING, INSTALLING, REPAIRING OR MAINTAINING THESE PRODUCTS.

OPERATOR'S MANUAL

Please retain this information for future reference.

SAFTEY INSTRUCTIONS

INDEXA TOOLS products have been specifically designed to help you work **SAFELY** and **EFFICIENTLY**. Your care and good judgement are the best protection against injury, but always ensure that the appropriate safety equipment is worn. All possible hazards cannot be covered here, but the most important ones have been highlighted.

- Always adhere to the processes and safety warnings, which are stated in the instruction manual.

GENERAL OPERATING HAZARDS

- Never allow routine to lead to mistakes.
- Never operate if any parts are missing or damaged.
- Never allow untrained persons to operate the tool.

WORKPLACE HAZARDS

- Always ensure your working area is clean and well lit.
- When working at height make sure that the tool is safely secured and be aware of objects falling below. Make sure that no persons are working directly below the working area.
- Do not operate in explosive atmosphere, for instance extreme dust, gases and liquids.
- Keep children and bystanders away while operating the tool. Distractions can cause you to lose control.

PERSONAL PROTECTION

- Always wear approved eye protection during operation. Use safety glasses or goggles which conform to BSEN136 or CE equivalent that provide protection from the front and side. The operator of the power tool is responsible for following accepted eye, face, respiratory, hearing and body protection.
- Always ensure that all long hair and loose clothing, ties, scarves, jewellery, etc., are secured or removed.
- Always consult a doctor if numbness, tingling, pain or whitening of the skin occurs. Repetitive work motions, awkward positions and exposure to vibration can cause “Repetitive Strain Injuries”.
- When operating the tool stay alert and use common sense, especially when it comes to working at height. Be aware of what’s below you.
- Do not overreach. Keep a proper balance and footing at all times.
- Do not use the tool if under the influence of alcohol, drugs or medication.

SPECIFICATIONS

MODEL	Jaw width	Jaw Depth	Spread	Length	Weight
HTV050	50	25	65	155	2.26kg
HTV073	73	35	100	210	5.85kg
HTV100	100	45	125	260	12.30kg

PLEASE NOTE: All Models Accuracy - 0.003mm

NOTES

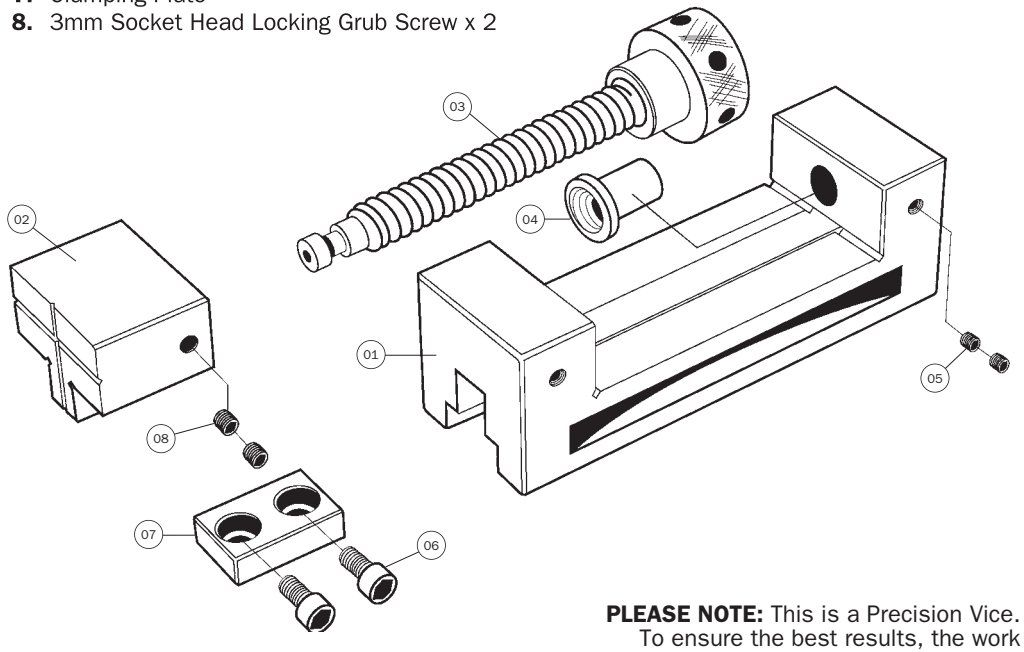
NOTES

BOX CONTENTS

		Qty
1.	INDEXA Toolmaker's Vice Groove Jaw	1
2.	Instructions/Quality Certificate/Packing List	1

IDENTIFICATION

1. Body
2. Moveable Jaw
3. Lead Screw
4. Brass Sleeve
5. 2.5mm Socket Head Locking Grub Screw x 2
6. 5mm Socket Head Cap Screw x 6
7. Clamping Plate
8. 3mm Socket Head Locking Grub Screw x 2



PLEASE NOTE: This is a Precision Vice. To ensure the best results, the work table accuracy should be within 0.005mm.

OPERATION

INDEXA Toolmaker's Vices are produced using the finest quality Alloy Steel, machined to give a smooth surface before hardening for durability.
The Vice has a quick release mechanism with a high clamping force making it ideal for measurement and inspection.

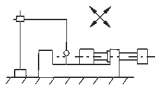
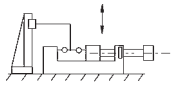
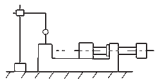
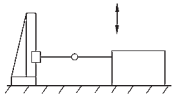
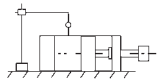
HOW TO USE:

1. Choose the correct size vice for the intended workpiece and locate it on the table, fixing with clamping inserts.
2. Release the Jaw 02, by turning the Lead Screw 03 anti-clockwise.
3. Move Jaw 02 to the correct position for the size of work being undertaken and tighten by turning the Lead Screw 03 clockwise.

MAINTENANCE

All parts should be lubricated regularly. If the Vice is to be stored for a long time, all parts must be cleaned, coated with oil and packed in plastic bags.

Inspection Checklist

	Check	Diagramatic	Tolerance (mm)	Result
1	Parallelism of the upper surface of the guide way to the base surface		0.003/100mm	
2	Squareness of the fixed jaw face and moveable jaw face to the base surface		0.003mm	
3	Parallelism of the upper surface to the base surface		0.003/100mm	
4	Squareness of the two sides of the body to the base surface		0.005mm	
5	Parallelism of the two sides of the body in the length direction		0.003/100mm	

SERVICE & REPAIRS

A comprehensive repair and service facility is available through your local INDEXA TOOLS agent.



