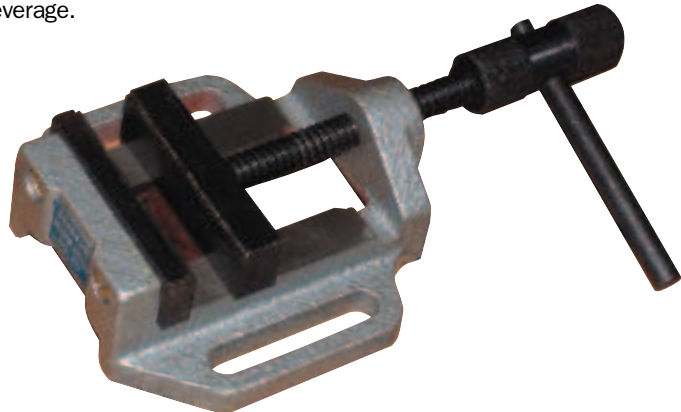


GROUP 445 MACHINE VICES

SENATOR Drill Press Vice

Suitable for use on pillar/bench drills to steady the workpiece in all light duty drilling applications for the garage or small workshop. Cast construction with machined slots which are spaced to fit all popular drill stand bases. Cross drilled handle with sliding T-bar for extra leverage.



Jaw Width	Maximum Opening	Jaw Height	Dimension Length x Height	Weight each	Order Code SEN-445	Price/1 TB
75mm	55	23	200 x 45	1.90kg	-0750K	824.00
100mm	95	25	250 x 55	3.25kg	-1000K	1004.00



ATLAS Machine Vices

Machine Vices without Swivel Base

Manufactured in accordance with high quality criteria. Designed for general purpose milling, planing and drilling applications.

Machine Vices with Swivel Base Type

Also available complete with a swivel base designed for milling, planing and drilling applications.

Graduated to 1°.



Swivel Base Type

Jaws are fully ground in pairs

Jaw Width	Max. Opening	Jaw Height	Dimension L x W x H	Weight each	Order Code ATL-445	Price/1 TB
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Without Swivel Base

100mm	80	35	245 x 115 x 89	8kg	-0100K	5202.00
160mm	125	51	411 x 187 x 120	34kg	-0150K	8812.00
200mm	160	63	440 x 220 x 140	46kg	-0200K	9842.00

With Swivel Base

100mm	80	35	195 x 145 x 110	17kg	-1100K	5750.00
160mm	125	51	411 x 187 x 167	43kg	-1150K	9250.00
200mm	160	63	440 x 220 x 187	57kg	-1200K	12250.00

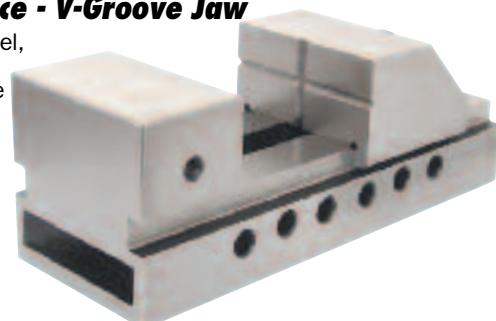
Spare Jaws to suit Atlas Machine Vices

Width	Order Code ATL-445	Price/1 TB
100mm	-1040K	500.00
160mm	-1060K	650.00
200mm	-1080K	850.00

Toolmakers Vice - V-Groove Jaw

Made from alloy steel, case hardened. With a quick release mechanism.

Accuracy: 0.005mm.

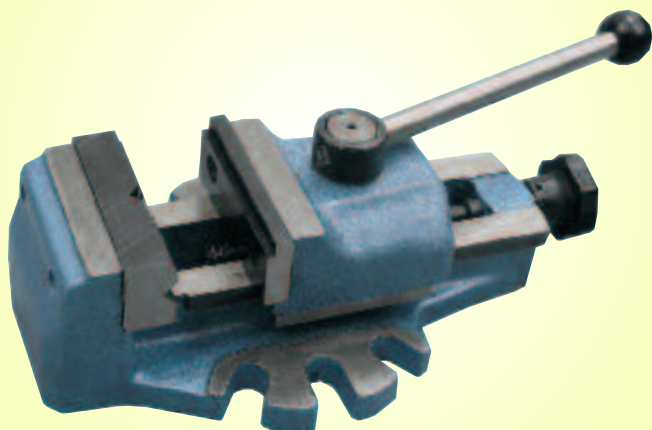


Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code ATL-445	Price/1 TB
50 x 65 x 25mm	135	3kg	-0310K	3605.00

INDEXA Quick Grip Drill Press Vices

Fixed Jaw

Quick acting cam can be set instantly to hold work. Fixed jaw with V-block to handle flat or round pieces, vertically or horizontally. Jaw inserts are hardened and ground. The heavy base can be clamped down to a milling machine or drill press.



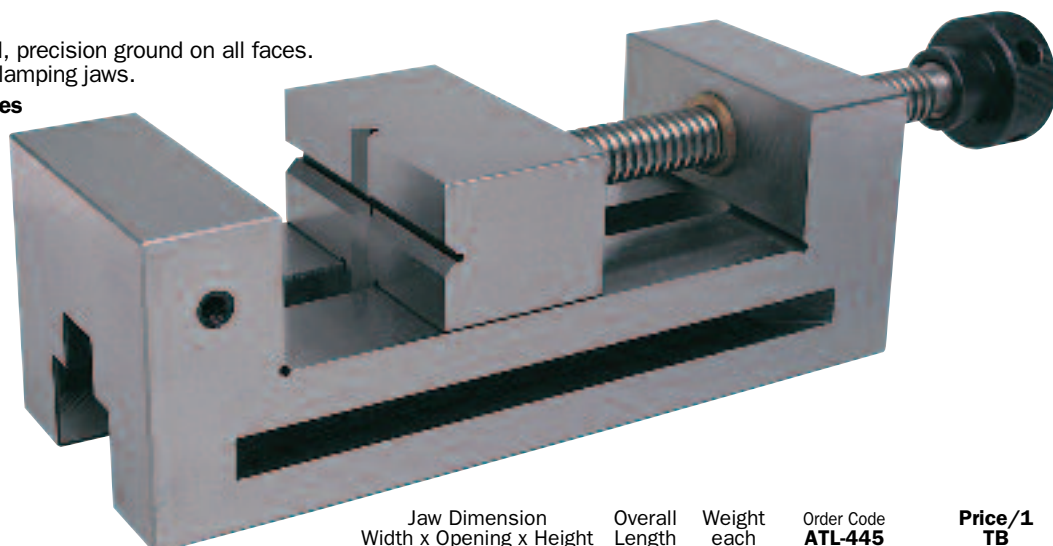
Jaw Width	Jaw Height	Maximum Opening	Weight each	Order Code IND-445	Price/1 TB
80mm	30mm	80mm	5.2kg	-0170K	13100.00
100mm	35mm	100mm	8.9kg	-0180K	17100.00

Toolmakers Vices

Manufactured from high carbon steel, precision ground on all faces. Phosphor bronze bush, 90° vee on clamping jaws.

Standard Precision Toolmaker's Vices

Squareness and parallelism to within 0.005mm.



Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code ATL-445	Price/1 TB
63 x 85 x 32mm	185	3.80kg	-2010K	6550.00
100 x 125 x 45mm	255	13.00kg	-2050K	10299.00

INDEXA

Drill Press Vices

Available in four different jaw widths. For drilling, light milling, vertical and horizontal work. One grooved and one plain replaceable jaw for square and hexagonal shapes across flats or corners, thin strips and discs. Jaws and lead screw are hardened and ground.

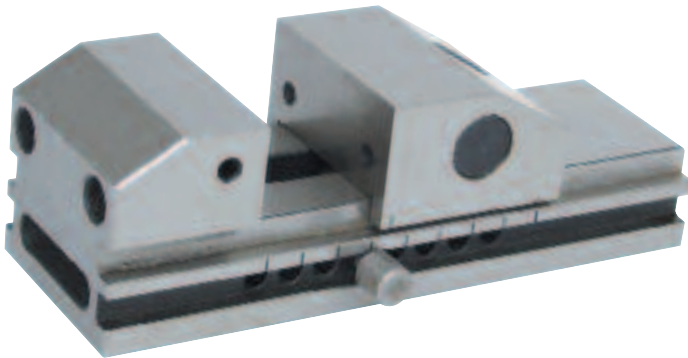


Jaw Width	Jaw Opening	Order Code IND-445	Price/1 TB
85mm	70mm	-0010K	3150.00
100mm	85mm	-0020K	4250.00
120mm	120mm	-0030K	6100.00
150mm	150mm	-0040K	7100.00

Toolmaker's Vices - Plain Jaw

Manufactured from high quality alloy steel, case hardened to HRC 58 - 62. For wire cutting, machining, measurement and inspection. With a dowel pin quick release mechanism with linear scale for accurate alignment.

Accuracy: 0.003mm.



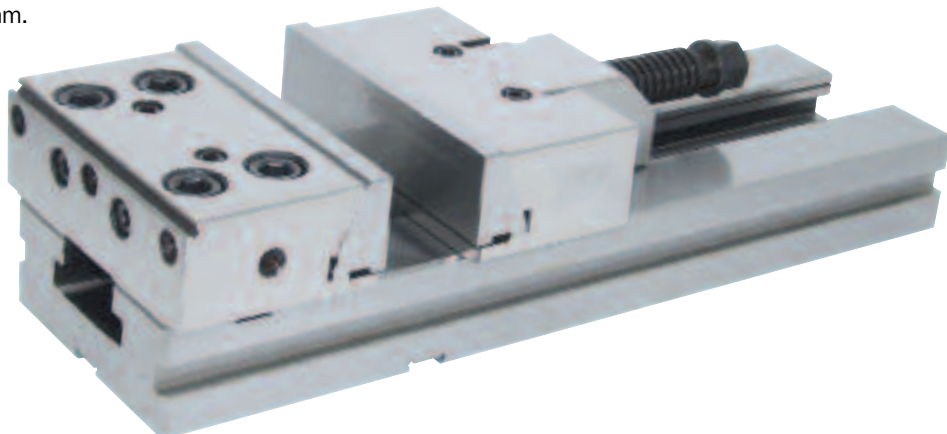
Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code IND-445	Price/1 TB
60 x 80 x 28mm	175mm	3.9kg	-0200K	16500.00
75 x 100 x 40mm	220mm	7.9kg	-0210K	21823.00

Modular Precision Machine Vices

Precision modular vices are designed to be used on standard and CNC machines for precision grinding and milling. The vice could be set up individually or work in multiples, on tables or palletised components depending on the machined material dimensions. Made from hardened high grade alloy steel.

Perpendicular accuracy: 0.005mm.

Parallelism: 0.005mm.



Accessories:

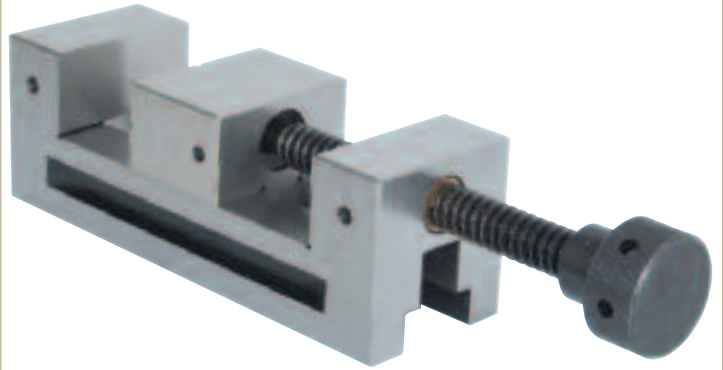
L-wrench, T-wrench, vice holding clamp, work stop with main bolt, positioning key-nuts etc.

Jaw Width x Opening x Height	Overall Length	Clamping Force	Weight each	Order Code IND-445	Price/1 TB
100 x 100 x 30mm	270mm	3000kg	7.00kg	-0600K	45000.00
125 x 150 x 40mm	345mm	3000kg	12.70kg	-0620K	50000.00
150 x 200 x 50mm	420mm	5000kg	25.60kg	-0640K	70000.00
150 x 300 x 50mm	520mm	5000kg	29.50kg	-0660K	75000.00
200 x 300 x 65mm	595mm	8000kg	86.00kg	-0690K	80000.00

Precision Toolmaker's Vices

Squareness and parallelism to within 0.003mm.

Designed for precision grinding and many other tool room applications.

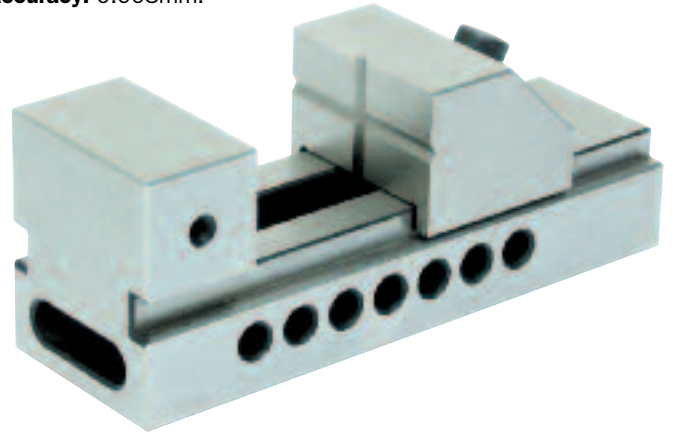


Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code IND-445	Price/1 TB
50 x 65 x 25mm	150	3.00kg	-0400K	9500.00
73 x 100 x 35mm	205	5.00kg	-0430K	12500.00
100 x 125 x 45mm	255	13.00kg	-0450K	14500.00

Toolmaker's Vice - V-Groove Jaw

Manufactured from high quality alloy steel, case hardened to HRC 58 - 62. With a rack quick release mechanism.

Accuracy: 0.003mm.



Jaw Dimension Width x Opening x Height	Overall Length	Weight each	Order Code IND-445	Price/1 TB
50 x 78 x 30mm	155mm	3.00kg	-0310K	11500.00