

# DAWN TOOLS & VICES

A Division of Siddons Pty. Ltd.

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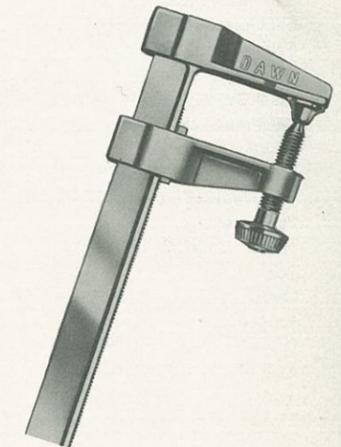
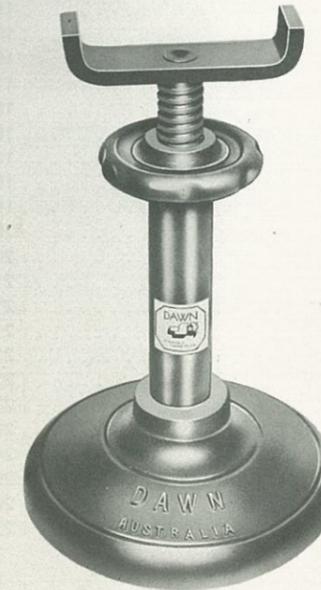


*Jones*  
*4/12/78*

*See Sidchrome  
catalogues  
1974 - 1977.*

# DAWN TOOLS AND VICES CATALOGUE

(A Division of Siddons Pty. Ltd.)



FACTORY and SALES OFFICE

1 NORRIS STREET, NORTH COBURG, VICTORIA, AUSTRALIA, 3058  
Telephone 350 3811 (6 lines)

The products of Dawn Tools & Vices have maintained a prominent and enviable position in the Hardware and Tool Trade of Australia, New Zealand and many Overseas Countries.

The policy adopted by the Company of constant endeavour by test and research to incorporate and maintain the highest standards of strength and durability, gives assurance to Distributors to confidently and conscientiously recommend 'DAWN' Tools and equipment.

The development of modern engineering demands maximum strength by scientific design and correct metallurgical practice and these principles are embodied in the fabrication of 'DAWN' products.

This particularly applies to the very large range, comprising over sixty sizes and types of 'DAWN' Vices, wherein with sixty years of investigation and experience these essential qualities are achieved without recourse to old-fashioned methods of bulky dimensions and unnecessary weight.

'DAWN' Vices are amply and correctly proportioned, and are designed to distribute the factors of stress and leverage, without imposing excessive strain at any particular point.

The high tensile castings, generally termed Semi-Steel, are made in our own foundry and are subject to periodical tests, both physical and analytical.

All 'DAWN' products are unconditionally guaranteed against faulty material and workmanship.

Dawn Tools & Vices is appreciative of the responsive support, accorded by both Merchants and Users, to its policy of Producing an All-Australian article to compare with the world's best.

### ABBREVIATIONS AND EXPLANATIONS

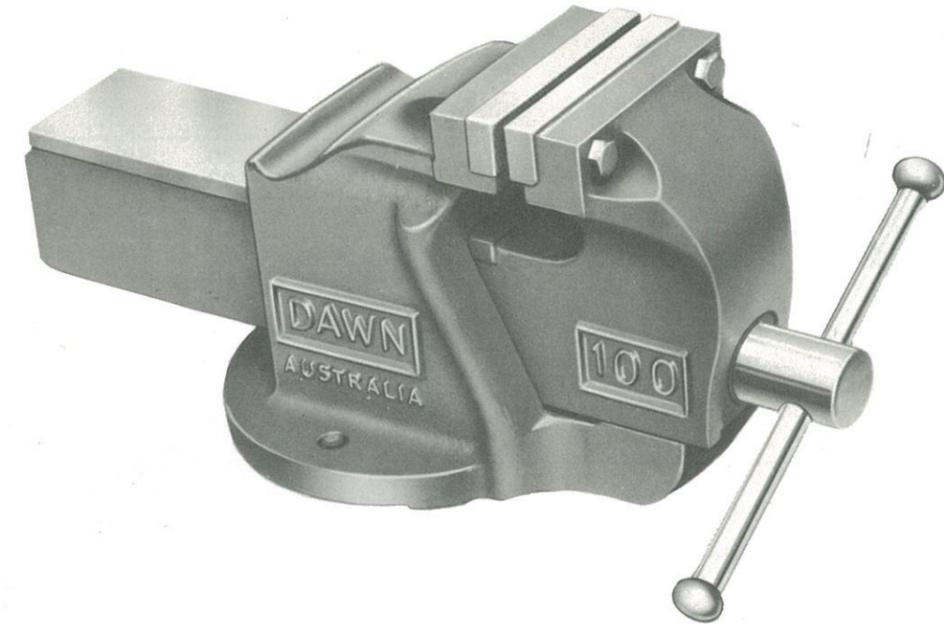
'LP' LIGHT PATTERN (Cast)	'OS' OFFSET (Cast)	'OS' OFFSET (Fabricated)
'SP' STANDARD PATTERN (Cast)	'CMPS' CABINETMAKERS PLAIN SCREW	'LD' LIGHT DUTY
'HP' HEAVY PATTERN (Cast)	'CMQA' CABINETMAKERS QUICK ACTION	'LT' LIGHT TEE
'QA' QUICK ACTION (Cast)	'SP' STANDARD PATTERN (Fabricated)	'HT' HEAVY TEE

CAST SEMI-STEEL AND PLATE STEEL FABRICATED VICES PAINTED RED.  
CAST STEEL VICES PAINTED BLUE.

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## PLAIN SCREW VICES



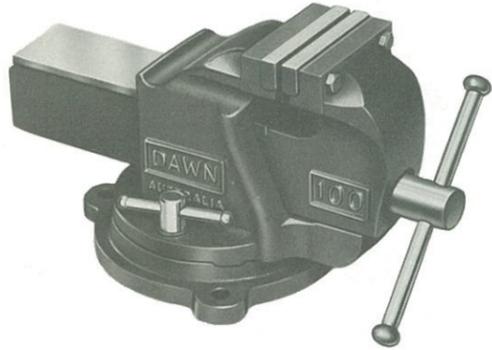
### 'DAWN' SEMI-STEEL

Castings are of high grade semi-steel — hardened replaceable steel jaws — replaceable nut — corrosion resistant screw and handle — Body casting incorporates a gutter to divert swarf from the machined slide surfaces.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12002-9	65	SP	70	3.0
12003-7	75	SP	85	5.7
12004-5	90	SP	95	9.7
12005-3	100	LP	115	10.1
12006-1	100	SP	115	16.2
12008-8	115	Garage	125	23.6
Special				
12009-6	115	SP	125	19.1
12010-9	125	LP	145	19.4
12011-7	125	SP	145	23.9
12012-5	150	SP	175	36.0
12013-3	200	HP	225	59.4

## SWIVEL BASE VICES

(PLAIN SCREW)



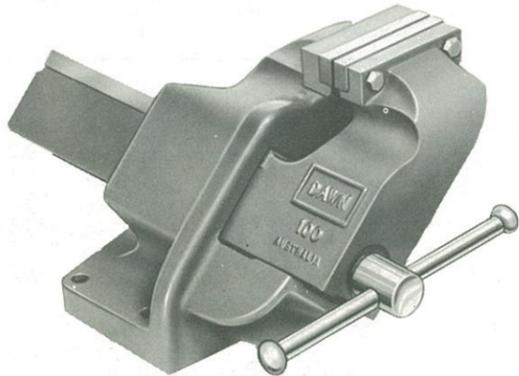
### 'DAWN' SEMI-STEEL

The sturdily constructed swivel base enables the operator to swing the vice to any desired lateral position where it can be readily locked with the two holding down screws. Made in eight sizes.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12018-4	75	SP	85	7.0
12019-2	90	SP	95	11.0
12020-5	100	LP	115	12.3
12021-3	100	SP	115	18.9
12022-1	115	SP	125	23.6
12024-8	125	SP	145	30.4
12025-6	150	SP	175	37.2
12026-4	200	HP	225	76.1

## OFF-SET VICES

(PLAIN SCREW)



### 'DAWN' SEMI-STEEL

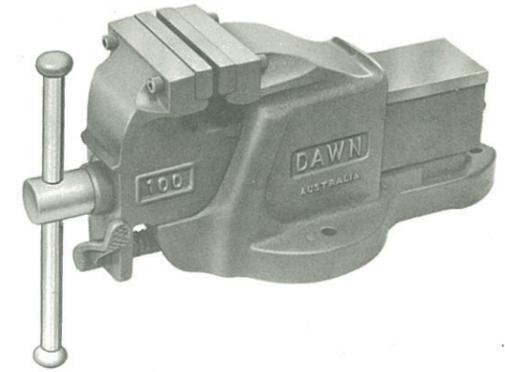
This design has become very popular, because of the facility it provides for holding long vertical work with the full width of the jaws. The body and slide castings are of 'DAWN' Semi-steel and the nut is replaceable. Made in six sizes.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12039-5	75	OS	85	11.0
12040-8	90	OS	95	14.4
12041-6	100	OS	115	26.1
12042-4	115	OS	125	32.9
12043-2	125	OS	145	39.2
12044-0	150	OS	175	54.0

## QUICK ACTION VICE

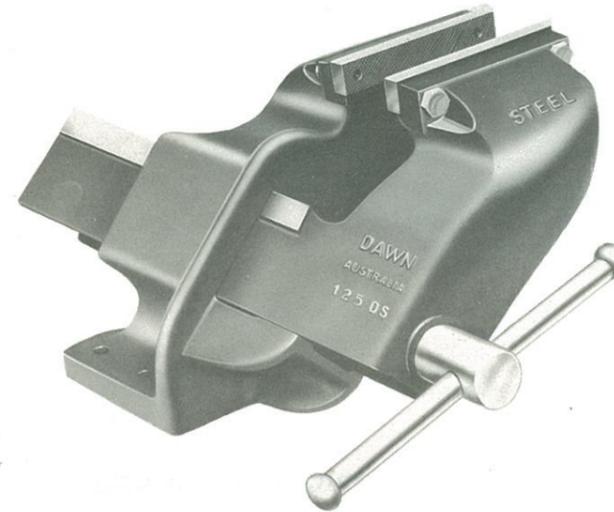
The simple, quick-action mechanism enables the jaws to be instantaneously set to take any required width of job. The undercut buttress threaded screw and phosphor bronze nut are a snugly machined fit to ensure positive gripping action. High-grade Semi-steel castings. Made in four sizes.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12030-1	100	SQA	115	16.2
12032-8	115	SQA	125	28.8
12033-6	125	SQA	145	34.7
12034-4	150	SQA	175	46.8



## OFFSET STEEL VICE

A popular vice for use in industry because of the facility provided for holding long vertical work with the full width of jaws. The solid electric steel castings give positive grip without springing. Made in four sizes.

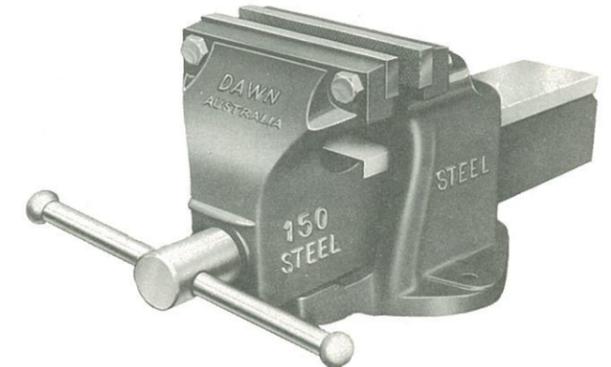


CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12053-9	100	OS STEEL	115	22.2
12054-7	115	OS STEEL	125	29.5
12055-5	125	OS STEEL	145	32.5
12056-3	150	OS STEEL	175	43.9

## S.P. STEEL VICE

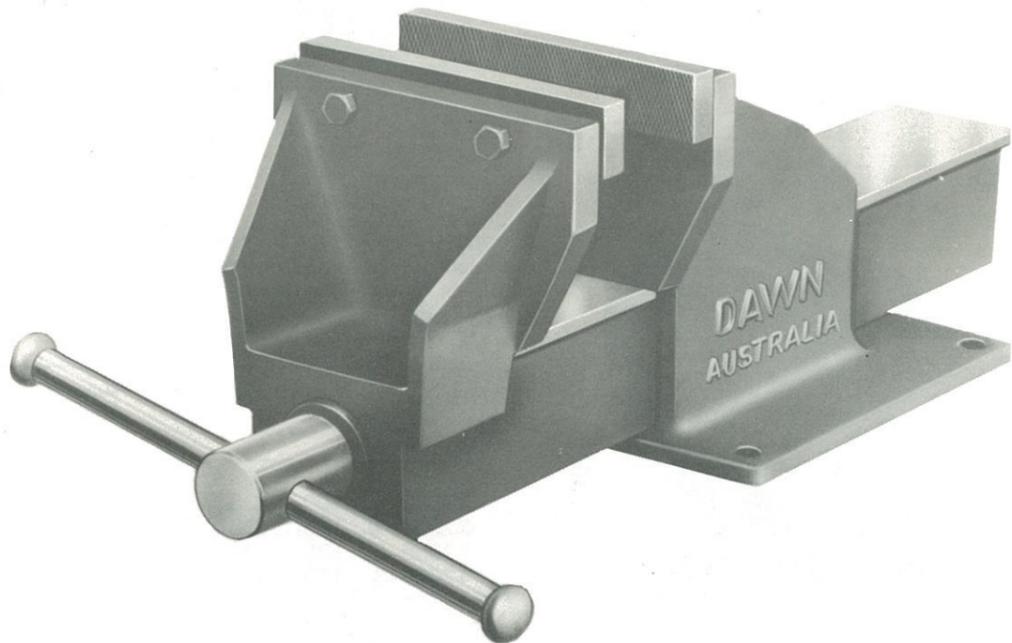
These vices are recommended for particularly hard usage. They are made of electric steel castings and are unbreakable. The plain screw range is made in four sizes.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12048-3	100	SP STEEL	115	14.6
12049-1	115	SP STEEL	125	15.6
12050-4	125	SP STEEL	145	19.8
12051-2	150	SP STEEL	175	23.0



## FABRICATED PLAIN SCREW VICES

(ALL STEEL CONSTRUCTION)



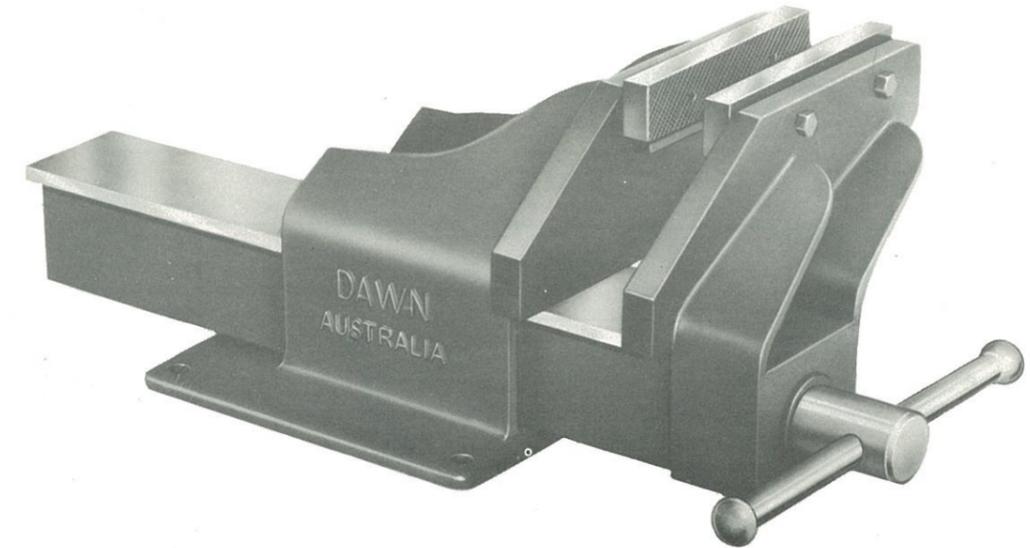
**'DAWN' FABRICATED—ALL STEEL**

These all steel vices are especially designed for all heavy duty work and are manufactured from heavy steel plate to maximise strength — hardened replaceable steel jaws — replaceable nut — corrosion resistant screw and handle — precision machined bearing surfaces.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12112-8	75	SP FAB	85	2.8
12113-6	100	SP FAB	115	11.4
12114-4	125	SP FAB	145	17.6
12115-2	150	SP FAB	175	23.2
12117-9	200	SP FAB	225	36.9

## FABRICATED OFFSET VICES

(ALL STEEL CONSTRUCTION)



**'DAWN' FABRICATED—ALL STEEL**

These vices are of the same rugged construction as the plain screw fabricated vices, but are extremely useful where long vertical work needs to be held. Such is found with large earthmoving equipment, etc. — hardened replaceable steel jaws — replaceable nut-corrosion resistant screw and handle — precision machined bearing surfaces.

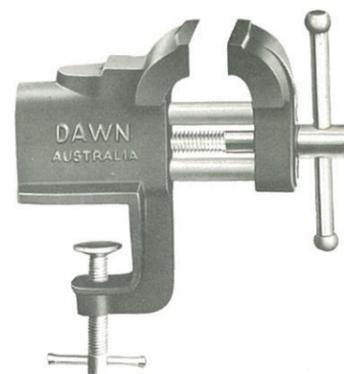
CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12123-2	100	OS FAB	115	12.7
12125-9	125	OS FAB	145	19.1
12126-7	150	OS FAB	175	26.1
12127-5	200	OS FAB	225	59.9

**DAWNETTE  
TABLE VICE**



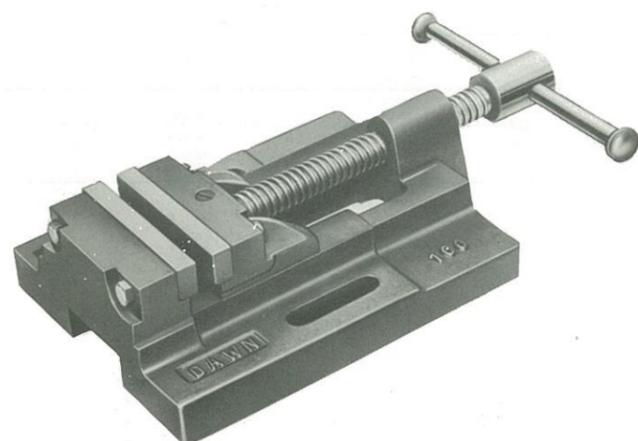
CAT. No.	JAW WIDTH mm	MAX. OPEN mm	WEIGHT Kg
12068-6	50	50	1.1

**STEEL GUIDE  
TABLE VICE**



CAT. No.	JAW WIDTH mm	MAX. OPEN mm	WEIGHT Kg
12067-8	50	50	1.4

**MACHINE VICES  
(SEMI-STEEL)**



**'DAWN' SEMI-STEEL**

Fitted with plain screw. This type of vice for machine shop use has accurately machined slide faces, and is equipped with hardened steel parallel jaws. The bottom of base is machined and slots are provided for holding down bolts.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	JAW HEIGHT mm	WEIGHT Kg
12061-9	75	Machine	60	27	27.0
12062-7	100	Machine	120	37	36.5
12063-5	125	Machine	250	45	44.5

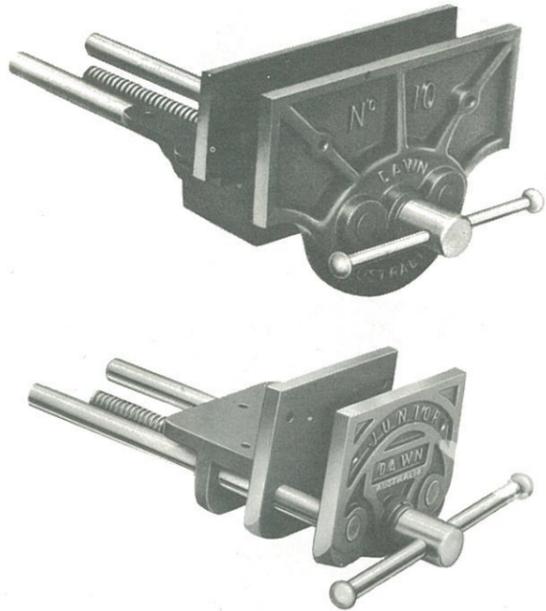
**TOGGLE CLAMPS**



A separate catalogue of the full range of these clamps is available on application.

## WOODWORKERS VICES

(PLAIN SCREW)



These vices are designed with generous jaw area and are the approved standard for woodworker's use. The slide bars are of ample proportioned bright steel, running in accurately bored guide holes. Made in five sizes.

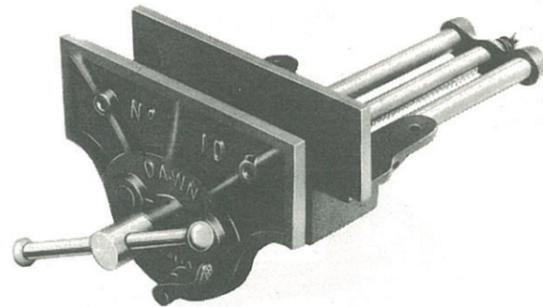
CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12088-9	125	J.W.W.	175	4.3
12089-7	175	CMPS	225	7.1
12091-8	200	CMPS	225	7.7
12092-6	225	CMPS	300	12.0
12093-4	250	CMPS	300	12.2

## WOODWORKERS VICES

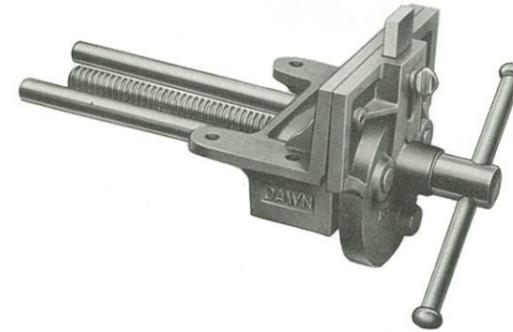
(QUICK ACTION)

The quick action type of vice provides for speedy operation on work of varying dimensions. It is made in four sizes.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12098-5	175	CMQA	225	8.6
12099-3	200	CMQA	225	9.0
12100-5	225	CMQA	300	10.4
12101-3	250	CMQA	300	13.6



## PEG VICE



This vice incorporates an adjustable steel peg built in to the front of the vice which when extended protrudes above the top of the bench. This allows long pieces of timber to be held against a stop on the bench top whilst planing, chiselling and sawing etc.

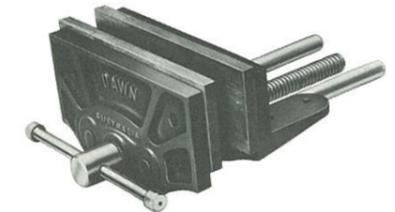
CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12097-7	175	CMPS	225	7.1

## HOME CARPENTERS VICE KIT

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12094-2	150	H.C.	150	2.8

Plated slide bars and screw. Four screw holes for mounting under bench. Two wooden jaw liners supplied with eight countersunk screws.

## SAW VICE



Makes saw sharpening easy. Ball joint allows operator to adjust position to suit his requirements. Full instructions for use and how to perform setting and sharpening operations accompany each vice.

CAT. No.	JAW WIDTH mm	WEIGHT Kg
12070-7	275	5.0

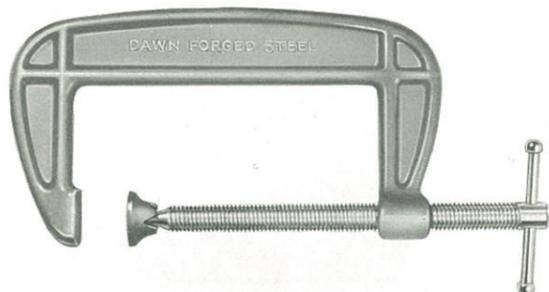
## MALLEABLE "G" CLAMPS

CAT. No.	JAW OPENING mm	THROAT DEPTH mm	WEIGHT Kg
12166-2	65	45	.3
12168-9	75	45	.6
12169-7	100	50	.6
12171-8	125	65	1.1
12172-6	150	70	1.6
12173-4	200	85	2.0
12174-2	250	95	2.9
12176-9	300	110	4.1



Dawn "G" Clamps are of a deep throated heavy section design for strength and rigidity. Machine cut screw with swivel button. Attractively finished for display purposes in bright "Dawn" red. They are guaranteed unbreakable.

## FORGED STEEL "G" CLAMP

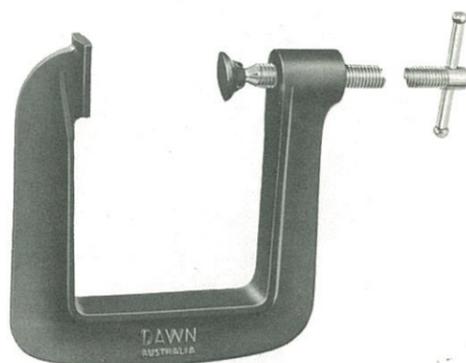


Stronger than the traditional cast iron clamps yet economically priced compared with the guaranteed unbreakable malleable clamps. Machine cut screw with swivel button. Blue finish.

CAT. No.	JAW OPENING mm	THROAT DEPTH mm	WEIGHT Kg
12841-8	75	50	.5
12842-6	100	60	.9
12843-4	150	75	1.7
12844-2	200	85	3.1

## DEEP THROAT "D 4" CLAMP

CAT. No.	JAW OPENING mm	THROAT DEPTH mm	WEIGHT Kg
12179-3	100	160	2.6



Specially designed for boat building, boiler-making, truck body building, etc., where a deep throated clamp is required. Steel casting of heavy section and machine cut screw with swivel button. Attractive "Dawn" gloss blue finish.

## QUICK ACTION CLAMPS

A very useful clamping medium used by carpenters, cabinetmakers, engineers, welders, boilermakers, etc. A self-locking tool with pressure adjustable, either light or heavy, by unbreakable plastic handle. Instant adjustment to required capacity.

CAT. No.	JAW OPENING mm	THROAT DEPTH mm	WEIGHT Kg
12820-7	150	80	.8
12821-5	200	80	.9
12822-3	250	120	1.7
12823-1	300	120	1.9
12825-8	400	120	2.2
12826-6	500	120	2.3
12827-4	600	120	2.5
12828-2	800	120	2.9
12830-3	1000	120	3.4

**E.M. ATTACHMENT** (Extension Medium) illustrated, attached to Steel Bar of Clamp for use when pressure is required at right angle to Clamping pressure.

## LIGHT DUTY QUICK ACTION CLAMP

Unique "T" section slide bar gives greater strength. Patented gripping device makes it virtually impossible to slip. Ideally suited to the handyman, cabinet maker, furniture manufacturer, boat builder, joiner, or light industry. Attractively carded for pegboard display. Packaged in cartons of 10 units.

CAT. No.	JAW OPENING mm	THROAT DEPTH mm	WEIGHT Kg
122972	175	50	.4





## JOINER CRAMPS

(TEE BAR SECTION)

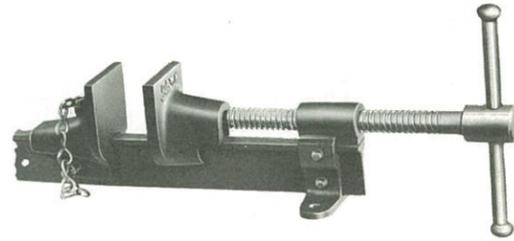
CAT. No.	OVERALL LENGTH mm	MAX. OPEN. mm	WEIGHT Kg
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### LIGHT TYPE

12761-8	500	350	2.2
12762-6	750	600	2.5
12763-4	1000	850	2.8
12764-2	1250	1100	3.1
12766-9	1500	1350	3.4
12767-7	1750	1600	3.7
12768-5	2000	1850	4.1
12769-3	2250	2100	4.4
12770-6	2500	2350	4.7

### HEAVY TYPE

12780-2	500	350	4.9
12782-9	750	600	5.3
12783-7	1000	850	5.7
12784-5	1250	1100	6.1
12785-3	1500	1350	6.5
12786-1	1750	1600	6.9
12788-8	2000	1850	7.3
12789-6	2250	2100	7.7
12790-9	2500	2350	8.1
12791-7	2750	2600	8.5



The T Section Bars are heat treated aluminium especially manufactured for the purpose. The malleable fittings have been given increased length, and attention is drawn to the extra heavy section around the T slot of the jaw castings, where the strain is greatest.

## LIGHT & HEAVY TEE EXTENSIONS

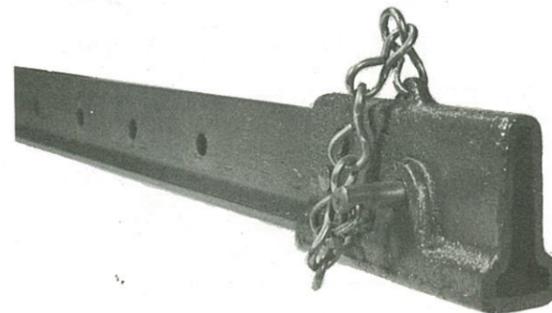
For the odd job where a longer cramp is needed. Simple to fit available in four sizes both light and heavy.

### HEAVY TEE

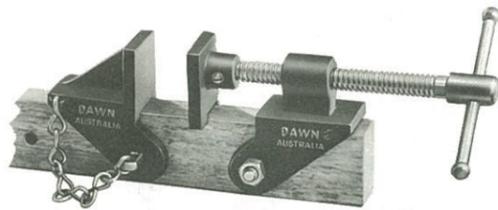
CAT. No.	SIZE mm	WEIGHT kg
127925	500	2.2
127933	750	2.6
127941	1000	3.0
127968	1250	3.4

### LIGHT TEE

CAT. No.	SIZE mm	WEIGHT kg
127714	500	.7
127722	750	1.0
127749	1000	1.3
127757	1250	1.6



## CRAMP HEAD FITTINGS



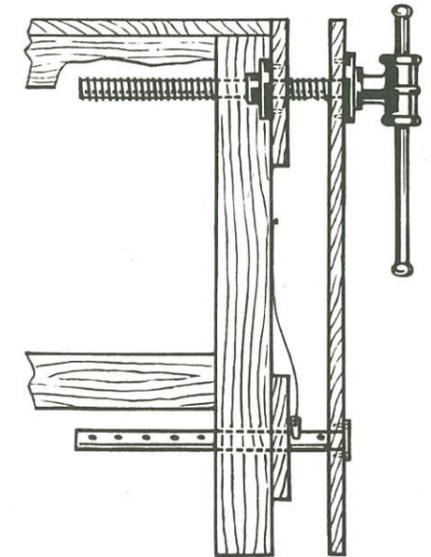
These fittings can be readily mounted by the user on any 25 mm width hardwood batten of any length thereby providing a cramp of whatever capacity is desired.

CAT. No.	SIZE OF JAWS mm	WEIGHT Kg
12704-4	45 x 41	1.4



## CARPENTERS BENCH SCREWS

An extremely useful vice can be built into almost any bench similar to the illustration. Has the advantage of — Ability to hold work firmly from floor level to bench top — The biggest opening of any carpenter vice (approximately 375 mm) — A deep throat. A must for joiners, carpenters, furniture manufacturers, maintenance shops, home handymen.



CAT. No.	DIAM. OF SCREW	TYPE	LENGTH FROM COLLAR mm	LENGTH OF THREADS mm	WEIGHT Kg
12686-9	1"	ACME	450	450	3.2
12687-7	1 1/8"	ACME	450	450	2.4

## FOLDING VICE STAND

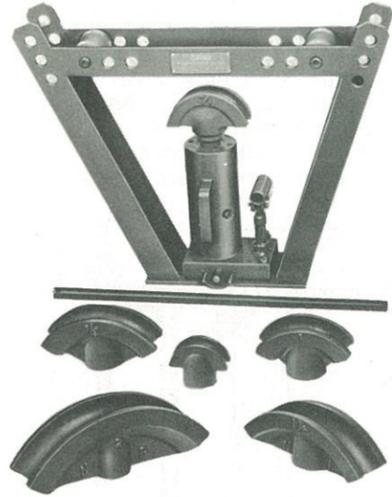
Saves operator's time and effort. Sets up, takes down easily . . . quickly. Extremely rigid and durable, yet weighs only 14 kg. All one unit. No loose parts. Has large size base for easy mounting of 'Dawn' Chain Type or other vices.



CAT. No.	TYPE	DESCRIPTION	WEIGHT Kg
12625-2	No. 54	Vice Stand only	14.0



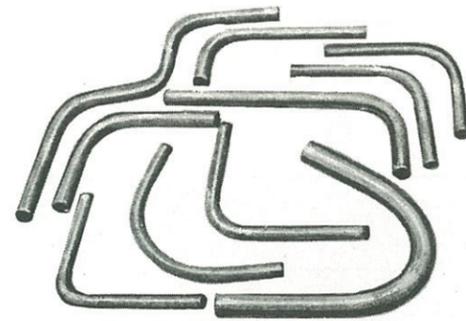
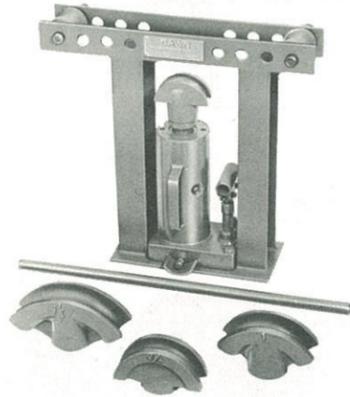
## PIPE BENDERS



Pipes can be bent at the exact spot required, and big savings can be made by eliminating costly fittings. The pipe bender reduces costs in any of these important jobs: water services, hand rails, gates, fences, framework for buildings, and almost any job where pipe is used for bars are to bent. Complete with formers.

CAT. No.	CAPACITY	WEIGHT Kg
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12860-2	For gas, water or steam pipes 15 mm to 32 mm.	41.0
12863-7	For gas, water or steam pipes 15 mm to 50 mm.	60.0



These are just a few of the bends that the pipe bender can make.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT g
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### FORMERS

12878-4	15 mm			500
12879-2	20 mm			1 300
12880-5	25 mm			1 500
12881-3	32 mm			2 500
12882-1	40 mm			5 000
12884-8	50 mm			8 000
12876-8	Set of 4 — 15 mm to 32 mm			7 000
12877-6	Set of 6 — 15 mm to 50 mm			21 500

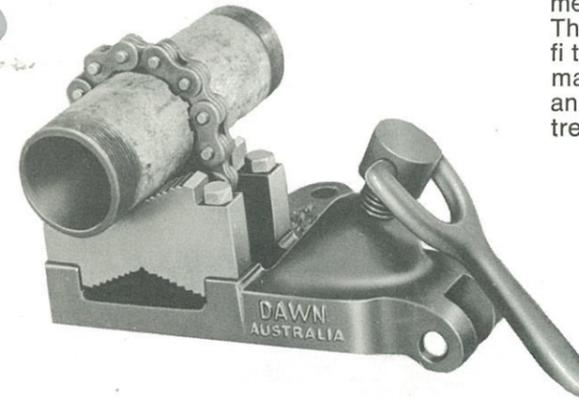
## PIPE VICES



This sturdy compact design is a very popular plumber's tool. Cast steel, machine cut hardened jaws. Grips firmly and is speedily operated. Made in three sizes.

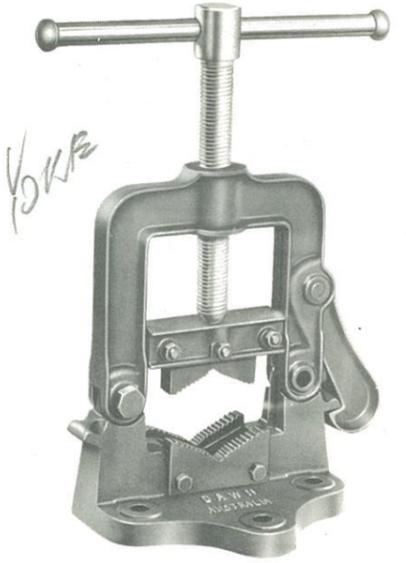
CAT. No.	TYPE	TAKES PIPE TO DIAM. mm	WEIGHT Kg
12148-6	C.2	50	1.8
12149-4	C.4	100	4.5
12150-7	C.6	150	7.9

The Chain Vice with clamp handle above the bench for quicker, easier operation.



Screw exerts maximum pressure on the pivoted lever, transferring tremendous pressure on the pipe by medium of the chain. The only pipe vice fitted with fully machined reversible and replaceable heat treated jaws.

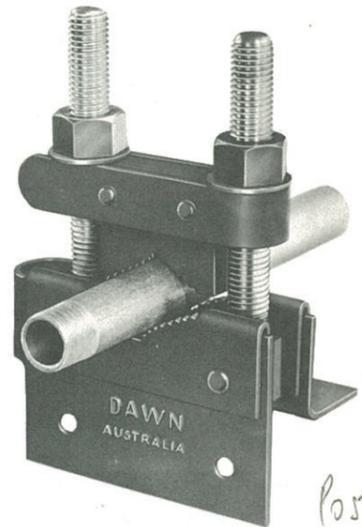
CAT. No.	TYPE	TAKES PIPE TO DIAM. mm	WEIGHT Kg
12157-4	No. 31	50	3.6
12158-2	No. 32	100	6.5



Malleable iron castings, self-locking frame and hardened steel jaws. Made in three sizes.

CAT. No.	TYPE	TAKES PIPE TO DIAM. mm	WEIGHT Kg
12152-3	H.2	50	3.9
12153-1	H.2½	65	5.1
12155-8	H.4½	115	11.5

Particularly suitable for inclusion in the plumber's tool kit, this design is made of pressed steel hardened steel jaws — light, compact and strong. Made in two sizes.



CAT. No.	TYPE	TAKES PIPE TO DIAM. mm	WEIGHT Kg
12144-3	P.1	40	1.8
12145-1	P.2	50	2.7



### PIPE CUTTER



CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12622-8	No. 28	12 to 50		1.6

Designed and built to withstand continuous, gruelling hard work. Extra strong magnesium alloy construction and hardened steel thread insert make light work of heavy cutting.

### LINK TYPE CAST IRON PIPE CUTTER



The lightest, fastest and most compact C.I. pipe cutter on the market. By adding links and wheel units, cutting capacity may be increased to handle pipes up to 300 mm diameter.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12624-4	No. 51	50 to 150		2.9

### STRAP WRENCH

CAT. No.	TYPE	CAPACITY mm	WEIGHT g
12623-6	No. 50	10 to 50	200



With alloy handle and woven strap to obviate marking chrome-plated fittings.



### LIFTING JACKS



#### BROAD BASE – LOW LIFT

CAT. No.	MIN. HGHT. mm	MAX. HGHT. mm	DIAM. OF BASE mm	WGHT. kg
<b>3 TONNES</b>				
12698-1	250	350	175	9.0
<b>6 TONNES</b>				
12700-1	250	315	215	11.7

#### NARROW BASE – LOW LIFT

CAT. No.	MIN. HGHT. mm	MAX. HGHT. mm	DIAM. OF BASE mm	WGHT. kg
<b>3 TONNES</b>				
12697-3	165	225	115	36.0

#### NARROW BASE – HIGH LIFT

CAT. No.	MIN. HGHT. mm	MAX. HGHT. mm	DIAM. OF BASE mm	WGHT. kg
<b>1 TONNE</b>				
12692-1	215	315	115	4.0
<b>3 TONNES</b>				
12694-9	370	600	175	13.5
<b>5 TONNES</b>				
12695-7	450	725	175	14.4
<b>10 TONNES</b>				
12696-5	600	900	175	27.0

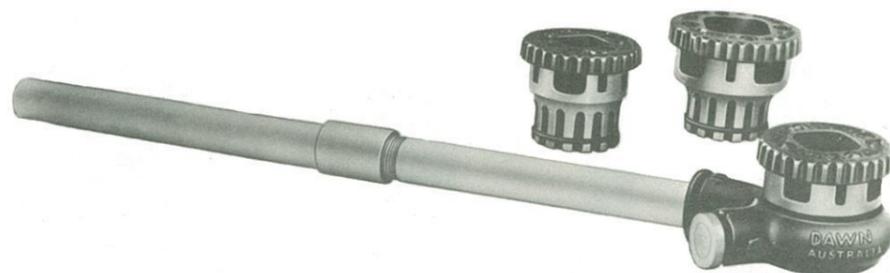
### CAR STAND

No welds to crack – Heavy Duty cast base – Acme screw for quick adjustment (4 t.p.i.). – Guaranteed against faulty workmanship and material – 5 Tonne rating (Tested to 3.5 times this capacity).

CAT. No.	MIN. HEIGHT	MAX. HEIGHT	WEIGHT Kg.
127028	280	450	7.0



## RATCHET SCREWING SETS



Ideal for close corners . . . will cut really smooth, clean threads quickly and accurately even with swinging space reduced to 30°. Engineered chaser dies make for cleaner threads with half the effort.

CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12619-9	No. 26	1/2-3/4" BSP	4.0	
12620-1	No. 27	1/2-3/4-1" BSP	4.9	

## EMERY DRESSER

These patterns of emery dressers are recommended for general purpose wheel dressing, where it is essential to keep the wheel face open. Red gloss finish. Spare wheels readily available.



CAT. No.	JAW WIDTH mm	TYPE	MAX. OPEN mm	WEIGHT Kg
12710-8	No. 0		.8	
12711-6	No. 1		1.2	
12712-4	No. 2		2.7	

## WIRE STRAINER

A steel pin to suit is supplied with strainer.



CAT. No.	WEIGHT Kg
12715-9	.4

## MITRE CLAMP

A very useful clamp for making such things as fly screen doors or windows/frames, for cupboard doors, etc., table top frames — in fact anything requiring a right angle joint.

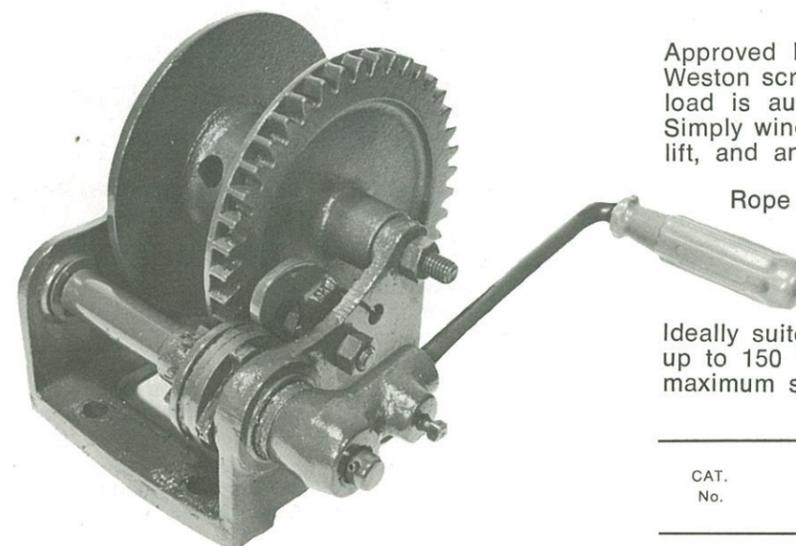


CAT. No.	MAX. OPEN. mm	WEIGHT Kg
4045-9	100	2.0

## DAWN C. I. WINCH

Approved by the D.L.I. to lift up to 150 kg. Weston screw type brake designed so that the load is automatically controlled at all times. Simply wind handle in a clockwise direction to lift, and anti-clockwise to lower.

Rope Capacity ..... 20 m 3 mm Wire Rope

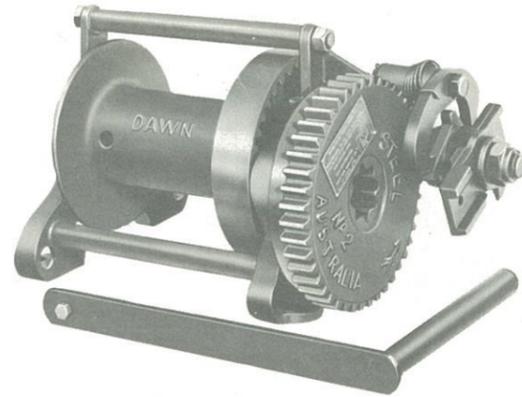
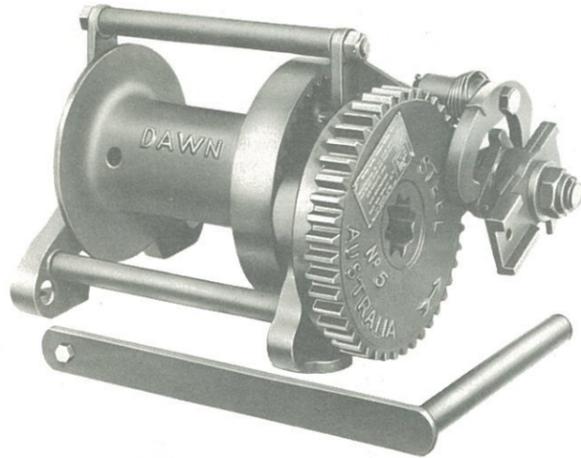


Ideally suited to any application where a load up to 150 kg is to be raised or lowered with maximum safety.

CAT. No.	TYPE	WEIGHT Kg
12606-8	Dawn C.1 Winch	4.4



## ALL STEEL HAND WINCHES



CAT. No.	TYPE	WEIGHT Kg
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12603-3 ..... No. 5 Winch ..... 60.3

\*Capacity—Safe Working Load ..... 2.75 t  
 Material of Winch ..... Steel 30.240 kg tensile  
 Diameter of Drum ..... 145 mm  
 Length of Drum ..... 250 mm  
 †Speed Ratio—High ..... 4.3 to 1  
 —Low ..... 24 to 1  
 Drum Capacity ..... 50 m  
 Rope Diameter ..... 14 mm  
 Rope Construction ..... 6/26/WF-IWRC  
 Nominal Breaking Strength of Wire Rope ..... 12.4 t  
 Approx. Dimensions excluding Handle  
 500 mm x 425 mm x 375 mm  
 Effort required on Handle  
 to raise Full Load ..... 17.5 kg

### MANUFACTURED TO AND APPROVED BY LIFTS AND CRANES REGULATIONS AND TO S.A.A. CRANE AND HOIST CODE.

For Tow Trucks, Carriers, Builders, Structural and Industrial Engineers, Factories, Warehouses, Store Yards, etc.

#### FULLY APPROVED FOR MOUNTING ON VEHICLES

Constructed throughout of high grade electric cast steel designed without keys or set screws to shear or strip.

No. 5 Winch has generously proportioned anti-friction white metal bearings. No. 2 Winch has replaceable bronze bushes.

No. 2 and No. 5 Winches are fitted with an automatic safety load brake which applies, whilst under load, immediately the operator releases the winding handle.

Construction of these Winches, if maximum amount

CAT. No.	TYPE	WEIGHT Kg
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12602-5 ..... No. 2 Winch ..... 34.2

\*Capacity—Safe Working Load ..... 1.260 t  
 Material of Winch ..... Steel 30.240 kg tensile  
 Diameter of Drum ..... 100 mm  
 Length of Drum ..... 200 mm  
 †Speed Ratio—High ..... 4 to 1  
 —Low ..... 22 to 1  
 Drum Capacity ..... 40 m  
 Rope Diameter ..... 9 mm  
 Rope Construction ..... 6/22/WF-IWRC  
 Nominal Breaking Strength of Wire Rope ..... 5.1 t  
 Approx. Dimensions excluding Handle  
 375 mm x 325 mm x 275 mm  
 Effort required on Handle  
 to raise Full Load ..... 16.6 kg

of cable is required, allows the operator to disengage the pinion, thereby giving free run out of cable, obviating manual winding.

Another feature of these Winches is the simplicity of operation whether raising or lowering by just turning the handle in the direction required without manually releasing any locking mechanism.

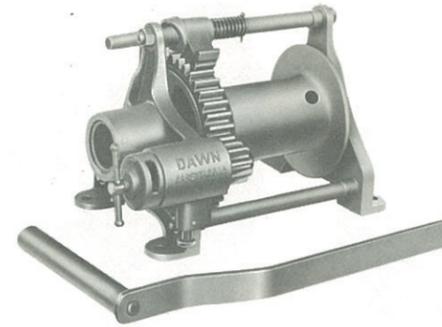
The Brake is of a Weston Screw type so designed that at no stage or position can the double acting pawl be disengaged; therefore the pawl does not rely on a spring for engagement (this ensures maximum safety).

Brake lining is of selected disc fibre giving maximum wear and efficiency. Water or oil will not impair brake operation.

Technical leaflets available on all Dawn Winches



## ALL STEEL HAND WINCHES



CAT. No.	TYPE	WEIGHT Kg
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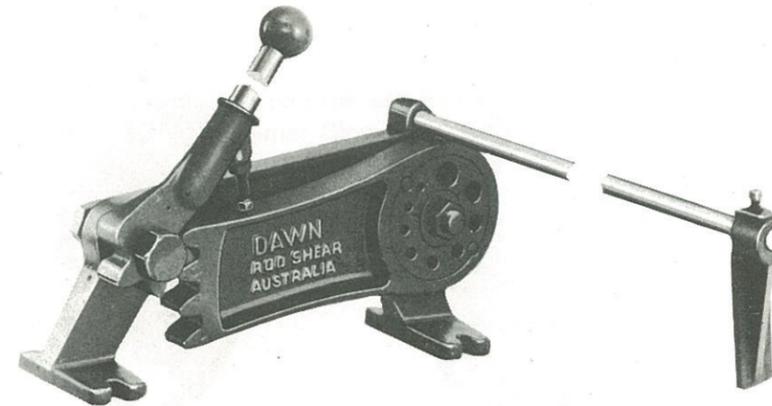
12601-7 ..... No. 1 Winch ..... 18.0

\*Capacity—Safe Working Load ..... 0.5 t  
 Diameter of Drum ..... 90 mm  
 Length of Drum ..... 150 mm  
 Speed Ratio —High ..... Direct on to drum shaft  
 —Low ..... 4.2 to 1  
 Drum Capacity ..... 24 m  
 Rope Diameter ..... 8 mm  
 Rope Construction ..... 6/24B100IWRC  
 Approx. Dimensions excluding Handle  
 300 mm x 225 mm x 225 mm  
 Effort required on Handle  
 to raise Full Load ..... 18 kg

The No. 1 Winch shown above is a smaller capacity version of the Nos. 2 and 5 and does not include the special safety brake incorporated in the heavy duty larger versions.

\*Above capacity is governed by a single fall of rope, however, safe working load can be increased by different pulley block arrangements.

## ROD CUTTER



### FEATURES

- Minimum deformation of bar.
- No burr left on either cut portion.
- High cutting speed.
- Exceptional ease of operation.

CAT. No. 12716-7

### SPECIFICATIONS

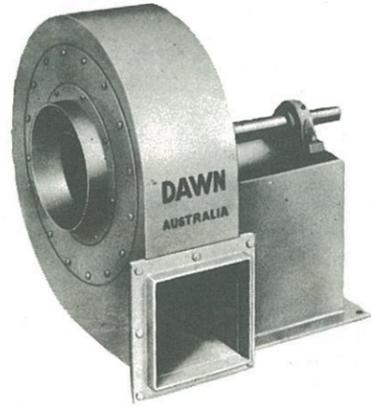
Maximum material capacity 15 mm dia. steel bar.  
 Cutting head thickness 25 mm  
 Overall height (excluding handle) 175 mm  
 Overall length 330 mm  
 Overall width 95 mm

PACK QTY. 1 | PKG. WT. 10 800 g

Cutting head is provided with 9 holes ranging from 2 mm to 16 mm  
 Cutting head holes are reamed to 0.127 mm to 0.203 mm oversize to provide the best possible cut on all standard cold finish bars.

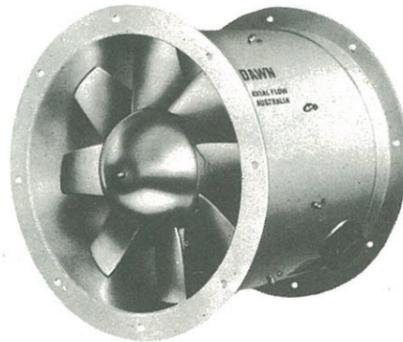
**INDUSTRIAL FANS**

**MILL EXHAUST FANS**



Mill Exhausts . . . . . 8 sizes  
 225 mm to 600 mm

**AXIAL FLOW FANS**



Axial-Flow Fans . . . . . 2 sizes  
 375 mm and 450 mm

**CAST IRON PRESSURE BLOWERS**

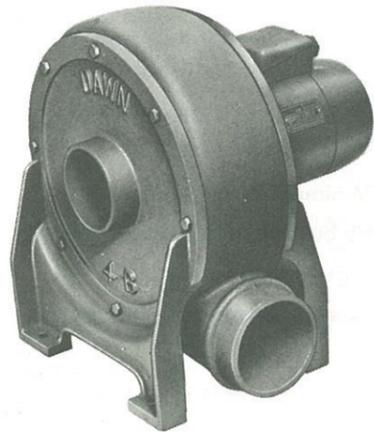


Cast Iron Pressure Blowers . . 2 sizes  
 1F and 2F

**A DAWN FAN FOR EVERY PURPOSE**

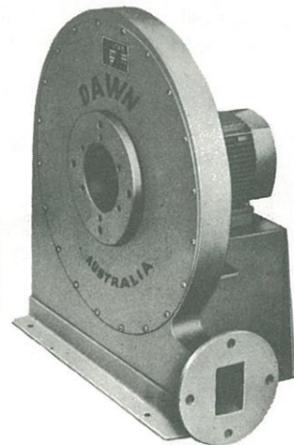
Ventilation – Dust and Fume Control-Conveying – Combustion

**CAST IRON EXHAUST FANS**



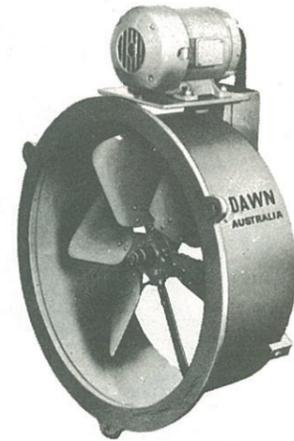
Cast Iron Exhausters . . 6 sizes  
 65 mm to 150 mm

**FABRICATED PRESSURE BLOWERS**



Fabricated Pressure Blowers . . 7 sizes  
 3FS to 9FS  
 High Pressure Blowers  
 unlimited range up to  
 5000 CFM at 5 PSI.

**ENCLOSED PROPELLER FANS**



Enclosed Propellers . . 5 sizes  
 450 mm to 1200 mm  
 Open Propellers . . . . . 5 sizes  
 450 mm to 1200 mm  
 Split-Hub Propellers . . 6 sizes  
 450 mm to 1200 mm

We welcome the opportunity to quote for the Manufacture of Fans for any industrial application which may not be satisfied by a standard fan.

**INDUSTRIAL FANS**

A COMPREHENSIVE RANGE TO SUIT  
 EVERY PURPOSE IN INDUSTRY

**VENTILATION FANS:**

Axial-Flow Fans	2 sizes 15" (381 mm) and 18" (457 mm)
Enclosed Propellers	5 sizes 18" (457 mm) to 48" (1219 mm)
Open Propellers	5 sizes 18" (457 mm) to 48" (1219 mm)
Split-Hub Propellers	6 sizes 18" (457 mm) to 48" (1219 mm)

**EXHAUST FANS:**

Cast Iron Exhausters	6 sizes 2½" (63 mm) to 6" (152 mm)
Mill Exhausts	8 sizes 9" (229 mm) to 24" (610 mm)

**PRESSURE BLOWERS:**

Cast Iron Pressure Blower	2 sizes 1F and 2F
Oil-Burner Blowers	7 sizes 3FS to 9FS
High Pressure Blowers	unlimited range up to 5000 CFM at 5 PSI.

**SPECIAL PURPOSE FAN:**

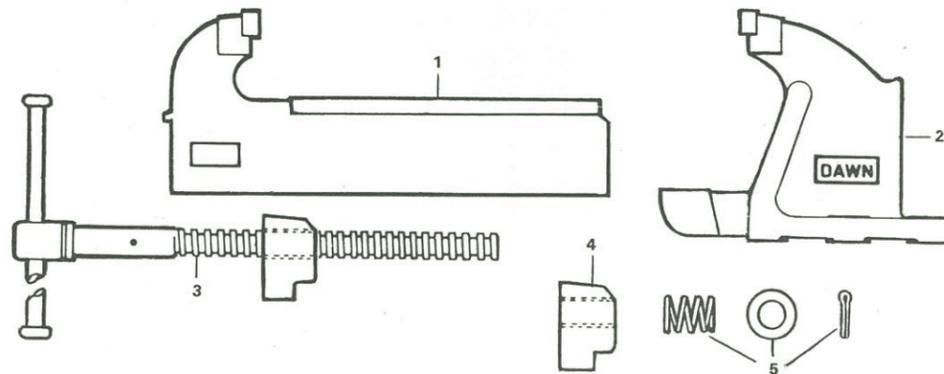
We welcome the opportunity to quote for the manufacture of Fans for any industrial application which may not be satisfied by a standard Fan.



## SPARE PARTS

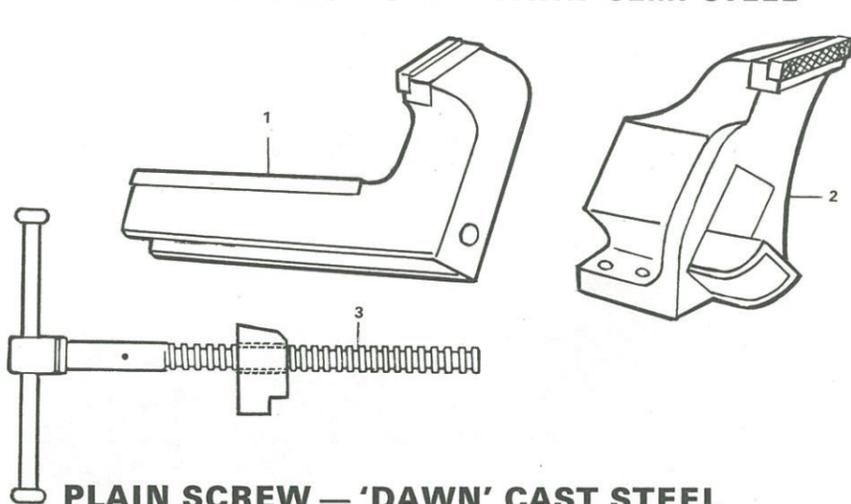
Spare parts for all DAWN Products are readily available. NOTE! Current model Engineer's Vices are fitted with bolt-on type jaws. Old model vice jaws held by countersunk screws are still available.

### PLAIN SCREW — 'DAWN' SEMI-STEEL



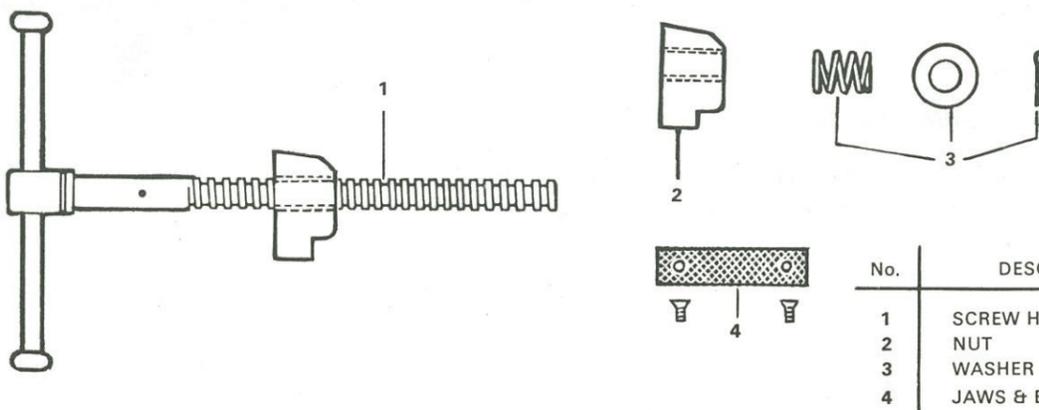
No.	DESCRIPTION
1	SLIDE
2	BODY
3	SCREW HANDLE & NUT
4	NUT
5	WASHER PIN & SPRING
6	JAWS & BOLTS

### PLAIN SCREW OFFSET — 'DAWN' SEMI-STEEL



No.	DESCRIPTION
1	SLIDE
2	BODY
3	SCREW HANDLE & NUT
4	NUT
5	WASHER PIN & SPRING
6	JAWS & BOLTS

### PLAIN SCREW — 'DAWN' CAST STEEL 'DAWN' FABRICATED ALL STEEL

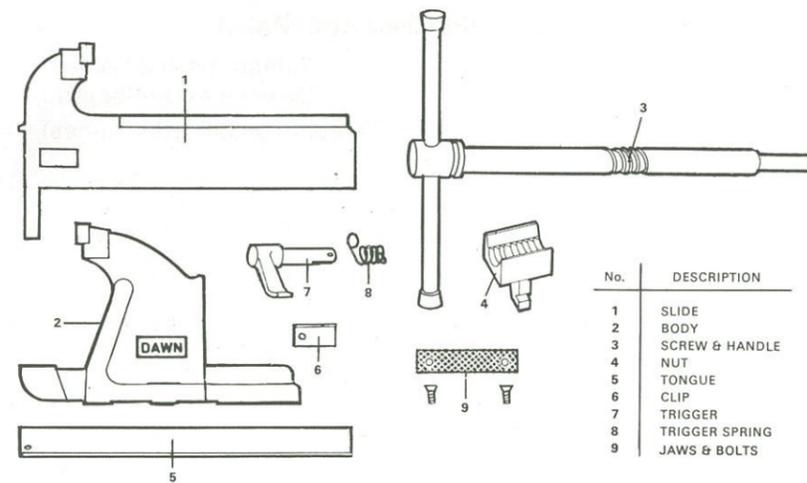


No.	DESCRIPTION
1	SCREW HANDLE & NUT
2	NUT
3	WASHER PIN & SPRING
4	JAWS & BOLTS



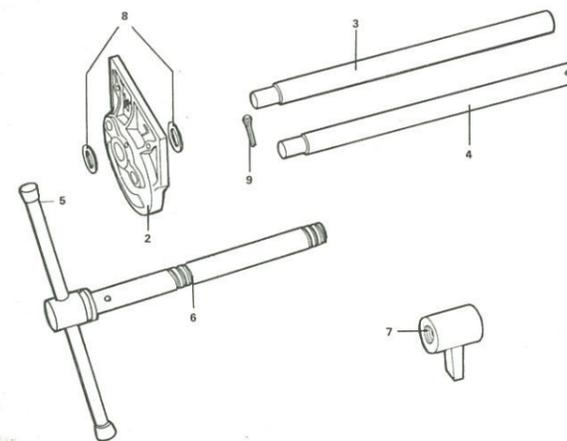
## SPARE PARTS

### QUICK-ACTION — 'DAWN' SEMI-STEEL



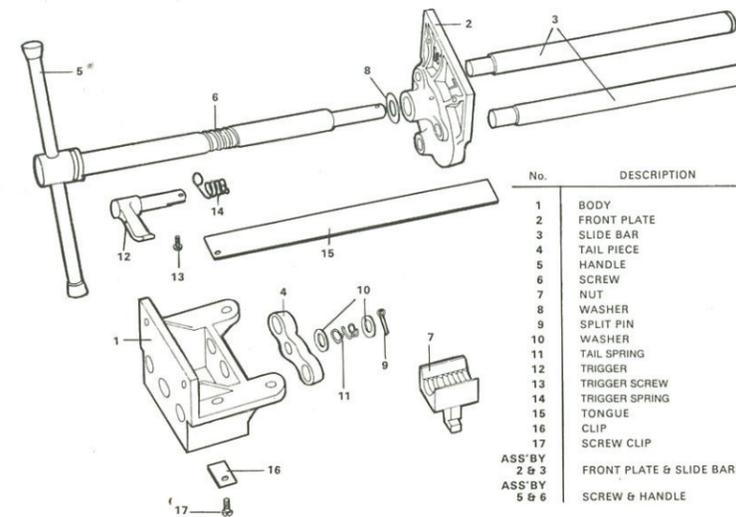
No.	DESCRIPTION
1	SLIDE
2	BODY
3	SCREW & HANDLE
4	NUT
5	TONGUE
6	CLIP
7	TRIGGER
8	TRIGGER SPRING
9	JAWS & BOLTS

### PLAIN SCREW — 'DAWN'



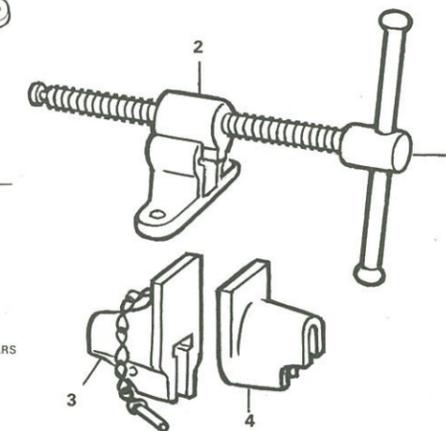
No.	DESCRIPTION
1	BODY
2	FRONT PLATE
3	SLIDE BAR
4	SLIDE BAR
5	HANDLE
6	SCREW
7	NUT
8	WASHER
9	SPLIT PIN
ASS'BY 2, 3, 4	FRONT PLATE & SLIDE BARS
ASS'BY 5, 6	SCREW & HANDLE

### QUICK-ACTION — 'DAWN'



No.	DESCRIPTION
1	BODY
2	FRONT PLATE
3	SLIDE BAR
4	SLIDE BAR
5	HANDLE
6	SCREW
7	NUT
8	WASHER
9	SPLIT PIN
10	WASHER
11	TAIL SPRING
12	TRIGGER
13	TRIGGER SCREW
14	TRIGGER SPRING
15	TONGUE
16	CLIP
17	SCREW CLIP
ASS'BY 2 & 3	FRONT PLATE & SLIDE BARS
ASS'BY 5 & 6	SCREW & HANDLE

### CRAMPS — 'DAWN'



No.	DESCRIPTION
1	SCREW & HANDLE
2	NUT
3	BACK JAW
4	FRONT JAW