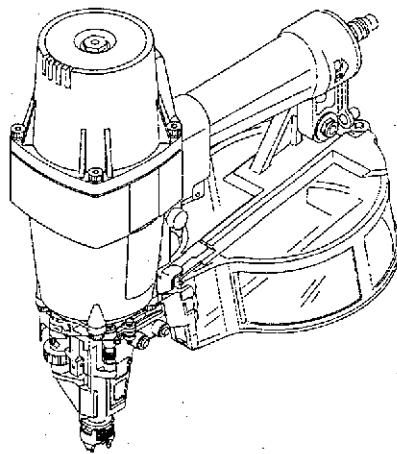




DUO-FAST HEAVY DUTY COIL NAILER MODEL KD-665A



OPERATING MANUAL

CONTENTS:

SAFETY INSTRUCTIONS	P2
SPECIFICATIONS	P3
OPERATING INSTRUCTIONS	P4
MAINTENANCE	P6
WARRANTY STATEMENT	P7
PARTS DIAGRAM	P8
PARTS LIST	P9
FASTENERS AVAILABLE	P10
FASTENERS & ACCESSORIES AVAIL.	P11

KEEP THIS MANUAL AVAILABLE FOR ALL PERSONS ASSIGNED TO THE USE OF THE TOOL

❖ **WARNING:** FOR PERSONAL SAFETY & PROPER OPERATION OF THIS TOOL READ THIS INSTRUCTION MANUAL CAREFULLY. WHEN USING PNEUMATIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED.

SAFETY INSTRUCTIONS

EYE PROTECTION IS ENCLOSED WITH THIS TOOL

To avoid serious eye injury from fasteners, approved eye protection must be worn by the tool operator, and everyone in the vicinity of the tool. Use approved safety glasses with side shields, goggles, or a wide vision safety mask over prescription glasses.

HEARING PROTECTION

To avoid the possibility of hearing loss, always use hearing protection when you are exposed to high noise levels. If in doubt, safeguard your hearing by wearing approved protective hearing defenders.

AVOID THE RISK OF EXPLOSION

Maximum Air Pressure 800 kPa (120 p.s.i.)

NEVER Connect This Tool To Any Pressurised Air Cylinder Or Gas Bottle.

Fastener driving tools operated by compressed air must not be connected to a compressed airline where the maximum permissible operating pressure of the tool can be exceeded by a factor of more than 10%. To achieve this limit, the utilisation of a pressure reduction valve which includes a downstream safety valve may be employed.

BEFORE USING THE TOOL

- Check that the applied air pressure does not exceed the maximum pressure rating for the tool.
- The safety system must be in a proper operating condition. The tool must function properly.
- Do not load or unload fasteners with the airline connected to the tool, or with the tool trigger or work contact element depressed.
- Do not use a malfunctioning tool - have it serviced by qualified service personnel.

SAFE OPERATION

- ☐ Always assume the tool contains fasteners
- ☐ Never point the tool toward yourself, or anyone else, whether it contains fasteners or not.
- ☐ To avoid serious personal injury from discharged fasteners, always place the nose (muzzle) of the tool against the workpiece before operating the tool.
- ☐ Operate the tool squarely against a workpiece of proper thickness and away from its edges. If the tool is operated with its nose (muzzle) held at an angle to the workpiece, near its edges, or against thin material, a fastener can ricochet or pass through the workpiece and cause injury to yourself or others in the work area.
- ☐ Respect this tool. It is powerful and can be dangerous if handled incorrectly.

Disconnect the tool from the airline when:

- ☐ The tool is left unattended
- ☐ Maintenance or repairs are to be performed on the tool
- ☐ Clearing a jam
- ☐ Moving the tool to another location.

This tool must not be used with bump fire or contact actuation if the work involves:

- ☐ Changing one driving location to another involving the use of stairs, ladders, or scaffolding
- ☐ Closing boxes or crates
- ☐ Fitting transportation safety systems.

For these applications the single shot or sequential actuation mode must be selected

Repairs to this tool must only be performed by qualified service personnel.

Only Duo-Fast authorised parts are to be used for repair/replacement.

This tool is marked with  and must only be used with an effective work contact element.

SPECIFICATIONS

TOOL & FASTENER SPECIFICATIONS		
WEIGHT	2.7kg	FREE AIR CONSUMPTION
HEIGHT	315mm	1.5 l @ 550 kPa
LENGTH	305mm	1.7 l @ 620 kPa
OPERATING AIR PRESSURE	470-800 kPa (70-120 psig)	1.8 l @ 690 kPa
MAXIMUM OPERATING PRESSURE	800 kPa (120 psig)	
NAILS FULL ROUND HEAD	DUO-FAST COIL	32-65mm 2.1 to 2.8 dia

OPERATING AIR PRESSURE

The correct operating air pressure is the lowest compressed air setting that will do the job. Using the tool at higher air pressures than required wastes air, and overstresses the tool. Start at 620 kPa (90 psig) and adjust the air pressure up or down as required. NOTE: operating air pressure must not exceed the maximum pressure rating for the tool.

AIR FILTER / REGULATOR / LUBRICATOR

A filter, pressure regulator and lubricator must be included in the air system for proper tool operation.

FILTER: A filter will prevent excessive wear and part corrosion by trapping pipe scale, dirt solidified lubricants, oil, moisture and other impurities. Moisture removal will assist in preventing frozen airlines when operating at low temperatures.

REGULATOR: The most important requirement for proper tool operation is the correct air pressure for the job. If the tool is overpowered, tool wear is increased; if the tool is underpowered it will not perform satisfactorily. A regulator positioned close to the tool assures proper and economic tool operation.

LUBRICATOR: The heavy-duty lubricants used in routine maintenance will not remain in the tool indefinitely. An airline lubricator that injects an oil mist into the tool's air supply is essential. Refer to airline lubricants for the type of lubricant to use.

AIR HOSE REQUIREMENTS

The air supply hoses must have a minimum working pressure rating of 1000 kPa (150psig). Use a good quality 8mm inside diameter air hose with this tool. The inlet air fitting at the rear of the handle is threaded to accept a male 1/4" BSP fitting. **QUICK ACTION SNAP-OFF/ON COUPLINGS MUST BE USED. THESE MAY ONLY BE CONNECTED TO THE AIRLINE. NEVER FIT A QUICK ACTION COUPLING DIRECTLY TO THE TOOL. AS THIS WILL TRAP AIR IN THE TOOL WHEN RELEASED FROM THE AIRLINE.**

AIRLINE LUBRICANTS

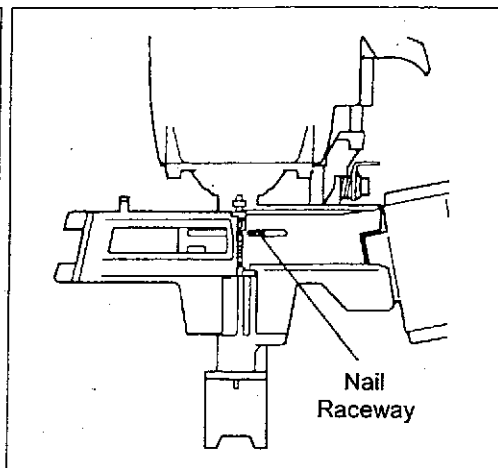
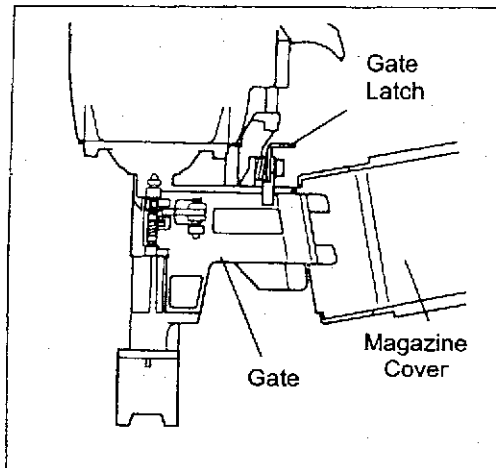
The following lubricants are recommended for use in the airline lubricator. Above 0°C (32°F) use a non-detergent S.A.E No. 20 weight oil. Below 0°C, use a mixture of one part non-detergent S.A.E No.10 weight oil to three parts ethylene glycol automotive antifreeze, **CERTIFIED** as being compatible for use with aluminium. It should not contain any "anti-leak" additives. Placing a few drops of non-detergent oil in the tool air inlet before each use is beneficial. It is intended to supplement an airline lubricator, not to replace its use.

NEVER use a detergent oil i.e. motor oil, sewing machine oil etc. Detergent oils can have an effect on 'O' ring seals causing them to swell. This in turn may cause the tool to malfunction and create a safety hazard.

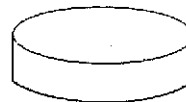
OPERATING INSTRUCTIONS

LOADING & UNLOADING NAILS

- ☐ Disconnect the tool from the airline.
- ☐ Lay the tool on its side, exposing the gate latch.
- ☐ Unlatch and open the gate. Swing open the magazine cover
- ☐ Remove the tape from the coil of nails, and uncoil a few inches of nails
- ☐ Guide the first nail into the nail raceway, whilst placing the coil of nails into the magazine.
- ☐ Close the magazine and gate
- ☐ Reconnect the tool to the airline.
- ☐ When removing empty collation tape from the tool, remove finger from trigger, and smartly pull the tape in an upward direction



* Note: When driving 32mm nails, it is recommended that a KD665A Magazine Insert is placed into the base of the KD665A magazine for extra support and guidance of the nails.

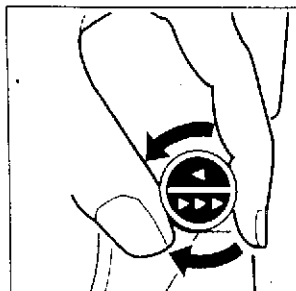


KD665A Magazine Insert
Product Code D40045

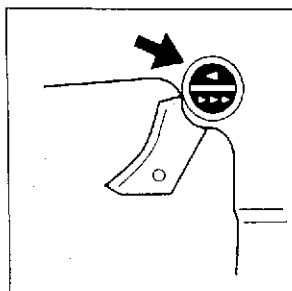
OPERATION OF TOOL

This tool is equipped with a work contact element. The work contact element must be depressed for the tool to operate when the trigger is actuated. There are two methods of driving fasteners:

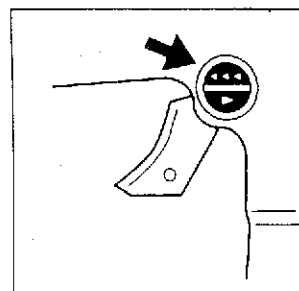
1. **Single Shot/Sequential/Trigger Operation.** This method of operation is used when precision fastener location is more important than speed of operation. Depress the work contact element by pushing the nose (muzzle) of the tool firmly against the workpiece and depress the trigger to drive the fastener.
2. **Bump Fire/Touch Trip/Contact actuation.** This method of operation is used when speed is more important than precision fastener location. Pull and hold in the trigger, then strike the work contact element against the workpiece to drive the fastener. Repeat this actuation as rapidly as required.



Pull trigger function knob out & rotate to change mode of operation.



In this position, tool operates in single shot mode.

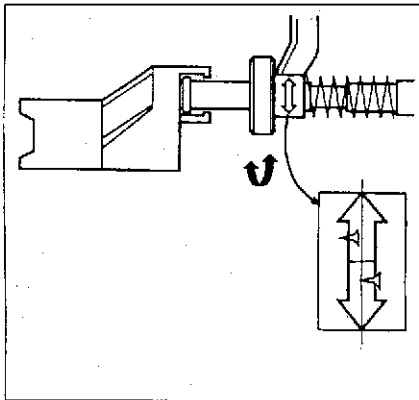


In this position, tool operates in bump fire mode.

TO PREVENT UNINTENTIONAL TOOL ACTIVATION, BE SURE TO RELEASE THE TRIGGER AS SOON AS YOU HAVE FINISHED DRIVING FASTENERS. NEVER MOVE AROUND WITH YOUR FINGER ON THE TRIGGER. NEVER PRESS THE WORK CONTACT ELEMENT AGAINST ANY OBJECT EXCEPT THE MATERIAL TO BE FASTENED.

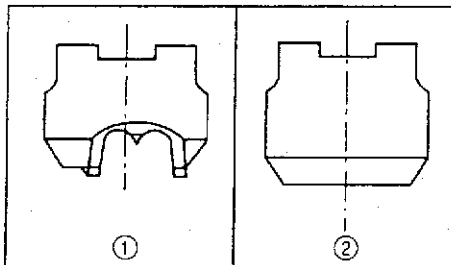
As the nails are being driven, the plastic nail carrier tape is fed out of the tool. As excess tape accumulates it may be torn off by pulling the tape smartly upwards. When pulling off tape do not keep your finger on the trigger of the tool.

ADJUSTING DEPTH OF DRIVE

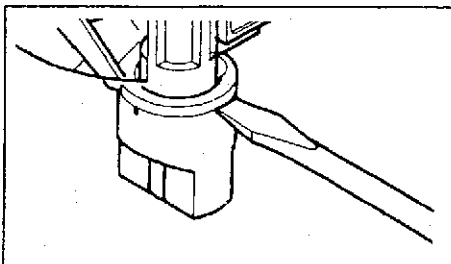


Rotate depth of drive wheel clockwise or anticlockwise to adjust fastener drive depth.

FITTING NO-MAR ATTACHMENT



1. Standard nose piece.
2. No-mar attachment, used where prevention of damage to workpiece is required, e.g. decking.



To replace standard nose piece with no-mar attachment, use screwdriver to lever the nose piece off and then push no-mar attachment on by hand.

MAINTENANCE

COLD WEATHER OPERATING PRECAUTIONS

Keep the tool in a warm area until you are ready to use it. If the tool is already cold, bring it into a warm area, and allow the tool to get warm before using it. If the tool must be used whilst it is cold, drive several fasteners into a scrap piece of wood at the lowest air pressure at which the tool will operate. Gradually increase the air pressure while driving fasteners, until the desired operating pressure is reached. **DO NOT OPERATE THE TOOL WHEN IT IS COLD UNLESS FASTENERS ARE BEING DRIVEN INTO A WORKPIECE.**

JAMMING

Damage to parts and/or excessive accumulation of dirt are the principal causes of jams. If a jam should occur, proceed as follows:

- ☐ Disconnect the tool from the airline
- ☐ Open the magazine and remove all fasteners. Jammed fasteners should be clearly visible. Check the rear of the nose for wedged fasteners, and clear them from the tool.
- ☐ Clean the magazine, nose and all associated parts

If the tool continues to jam, have it serviced by a qualified service person, or contact Paslode Australia for additional help.

EXTERNAL CLEANING

To clean the tool:

- ☐ Disconnect the tool from the air hose
- ☐ Open the magazine and remove all fasteners
- ☐ Using a blow-gun, blow out all dirt and dust from the magazine and nose of the tool
- ☐ Only approved safety blow guns should be used
- ☐ Clean the external surfaces of the tool with a cloth and mild solvent i.e. kerosene. Do not allow the kerosene or any other solvent to enter the interior of the tool. Solvents may affect the 'O' ring seals causing them to swell or shrink, this in turn could cause the tool to malfunction and create safety hazards. Do not fully immerse the tool in a solvent.
- ☐ CAUTION: NEVER USE HIGHLY VOLATILE SOLVENTS SUCH AS PETROL.
- ☐ It is extremely important for safety reasons that all dirt and foreign materials be removed from around the safety yoke and safety yoke compression spring. The safety yoke (work contact element) must be free to move in and out without sticking or binding. The spring must positively return the safety yoke to its starting position when it is released from the workpiece.

EXTERNAL LUBRICATION

Lubricate the areas where the work contact element slides with a silicone lubricating grease.

MALFUNCTIONS

Be alert for tool problems. A malfunctioning tool must be immediately withdrawn from use and not used again until it has been repaired by qualified service personnel.

SERVICE & REPAIR

Except as specifically described in other sections of this manual, this tool must not be disassembled, serviced, repaired, or reassembled by anyone except qualified service personnel.

Incorrect servicing, repair or assembly may result in serious injury to the user and/or damage to the tool. For service, contact:

PASLODE AUSTRALIA SERVICE CENTRE (02) 9829 9661 or (02) 9829 9662

Paslode Australia - June 2002

WARRANTY STATEMENT

PASLODE AND DUO-FAST PNEUMATIC TOOLS

All Paslode and Duo-Fast branded air tools are covered by a **12 month** warranty on all components.

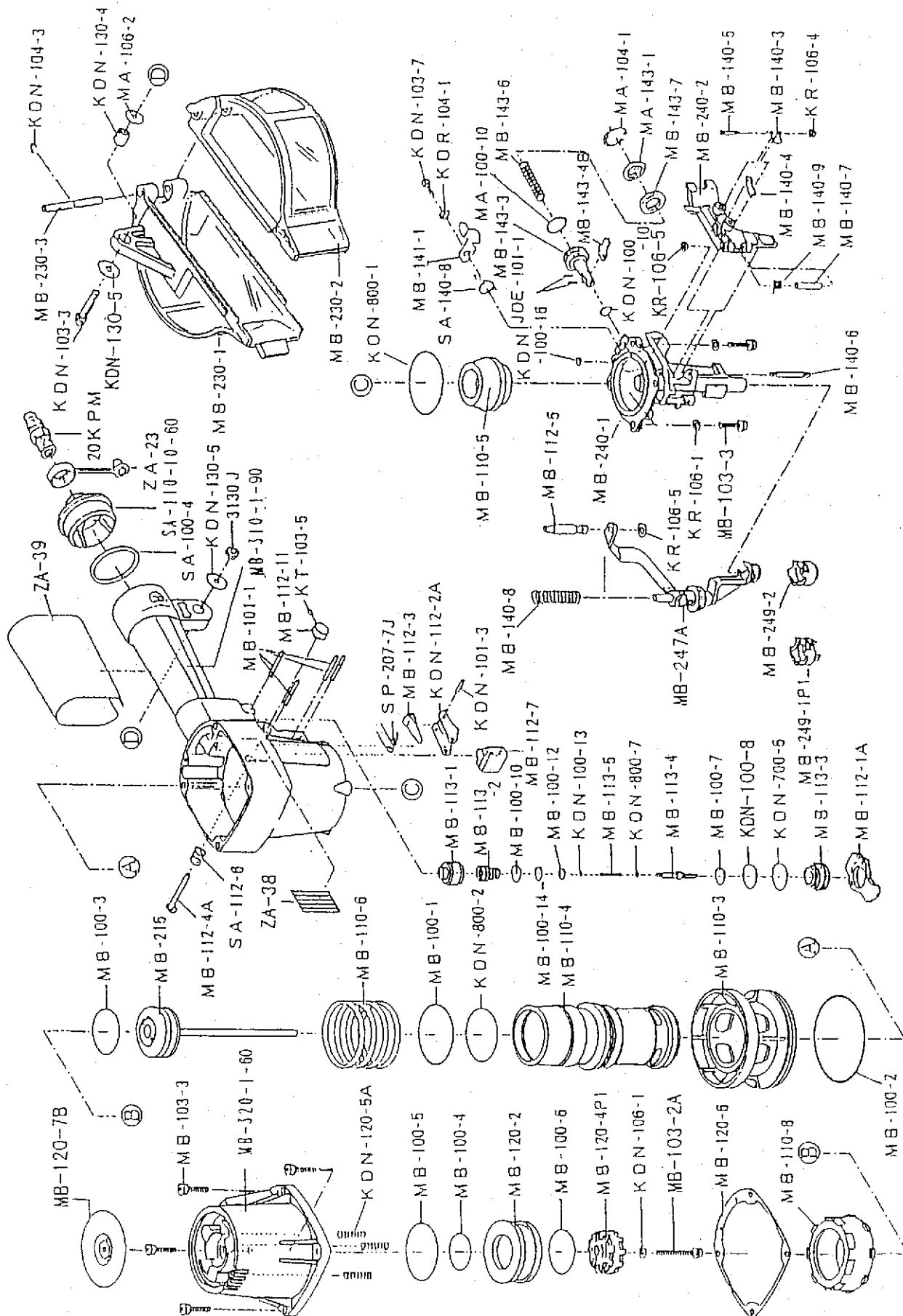
STANDARD WARRANTY CONDITIONS

All Paslode Australia warranties are offered under the following conditions:

- Warranties do not cover damage caused by accident, misuse, unauthorised repair or modification, or damage caused by the use of fasteners not complying with those specified by Paslode Australia, or damage caused by failure to follow the recommended tool use and maintenance instructions.
- Warranties cover repair or replacement (at Paslode Australia's option) for any defects in material and workmanship. To obtain warranty the owner must return the product to a Paslode Australia branch or authorised Warranty Repair Agent with evidence that the tool is within the warranty period.
- Any replacement part or accessory provided in accordance with this warranty will carry a warranty for the balance of the period of warranty applicable to the part it replaces.
- This warranty does not apply to part replacement required due to normal wear.
- This warranty is the exclusive remedy against Paslode Australia and no other remedy (including but not limited to incidental or consequential damages for injury to person or property, lost profits, lost sales or other incidental or consequential loss) shall be available. This warranty is in lieu of any other warranty, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. Any representations or promises inconsistent with or in addition to this warranty are unauthorised and shall not be binding on Paslode Australia

PARTS DIAGRAM

KD-665A
(2001.10.16)



PARTS LIST



KD-665A

2001.10.16

NO.	PARTS NO.	DESCRIPTION	Q'TY	NO.	PARTS NO.	DESCRIPTION	Q'TY	NO.	PARTS NO.	DESCRIPTION	Q'TY
1	JDE-101-1	ROLL PIN	2	37	MB-100-14	O-RING	1	73	MB-310-1-90	HANDLE	1
2	KDN-100-10	O-RING	1	38	MB-101-1	ROLL PIN	4	74	MB-215	BLADE ASSY	1
3	KDN-100-13	O-RING	1	39	MB-103-2A	SCREW	1	75	MB-320-1-60	CAP	1
4	KDN-100-16	O-RING	1	40	MB-103-3	SCREW	8	76	MB-230-1	MAGAZINE	1
5	KDN-101-3	ROLL PIN	1	41	MB-110-3	CYLINDER RING	1	77	MB-230-2	MAGAZINE DOOR	1
6	KDN-103-3	SCREW	1	42	MB-110-4	CYLINDER	1	78	MB-230-3	HINGE PIN	1
7	KDN-103-7	SCREW	1	43	MB-110-5	BUMPER	1	79	MB-240-1	NOSE	1
8	KDN-104-3	E-RING	1	44	MB-110-6	SPRING	1	80	MB-240-2	GATE	1
9	KDN-106-1	WASHER	1	45	MB-110-8	SEAL SLEEVE	1	81	MB-247A	SAFETY YOKE	1
10	KDN-112-2A	TRIGGER	1	46	MB-112-1A	TRIGGER PLATE	1	82	MB-249-1P1	YOKE ASSY	1
11	KDN-120-5A	SPRING	3	47	MB-112-3	TRIP LEVER	1	83	MB-249-2	YOKE	1
12	KDN-130-4	SPACER	1	48	MB-112-4A	TRIGGER PIN	1				
13	KDN-130-5	WASHER	2	49	MB-112-5	TRIGGER ROD	1	85	SA-100-4	O-RING	1
14	KDN-700-5	O-RING	1	50	MB-112-7	ROD GUIDE	1	86	SA-110-10-60	REAR CAP	1
15	KDN-800-1	O-RING	1	51	MB-112-11	SWITCH KNOB	1	87	SA-112-6	SPRING	1
16	KDN-800-2	O-RING	1	52	MB-113-1	VALVE HOUSING	1	88	SA-140-8	TORSION SPRING	1
17	KDN-800-7	O-RING	1	53	MB-113-2	VALVE STEM	1	89	SP-207-7J	TORSION SPRING	1
18	KDN-140-9A	BUSH	1	54	MB-113-3	VALVE COVER	1	90	ZA-23	PLUG CAP	1
19	KR-106-1	WASHER	4	55	MB-113-4	VALVE PIN	1	91	ZA-38	SIDE COVER	2
20	KR-106-4	URETHANE WASHER	1	56	MB-113-5	SPRING	1	92	ZA-39	GRIP COVER	1
21	KR-106-5	URETHANE WASHER	2	57	MB-120-2	POPPET	1	93	3130J	NUT	1
22	KT-103-5	SET SCREW	1	58	MB-120-4P1	EXHAUST SEAL	1	94	20KPM	PLUG	1
23	MA-100-10	O-RING	1	59	MB-120-6	GASKET	1				
24	MA-104-1	STOP RING	1	60	MB-120-7B	EXHAUST PLATE	1				
25	MA-106-2	RUBBER WASHER	1	61	MB-140-3	SPRING	1				
26	MA-143-1	FEED COVER	1	62	MB-140-4	BACK UP TIP	1				
27	MB-100-1	O-RING	1	63	MB-140-5	PIN	1				
28	MB-100-2	O-RING	1	64	MB-140-6	GATE PIN	1				
29	MB-100-3	O-RING	1	65	MB-140-7	GATE SPACER	1				
30	MB-100-4	O-RING	1	66	MB-140-8	SPRING	1				
31	MB-100-5	O-RING	1	67	MB-140-9	TORSION SPRING	1				
32	MB-100-6	O-RING	1	68	KDN-141-1B	LATCH	1				
33	MB-100-7	O-RING	1	69	MB-143-3	FEED PISTON	1				
34	KDN-100-8	O-RING	1	70	MB-143-4B	FEED TIP	1				
35	MB-100-10	O-RING	1	71	MB-143-6	SPRING	1				
36	MB-100-12	O-RING	1	72	MB-143-7	FEED CUSHION	1				

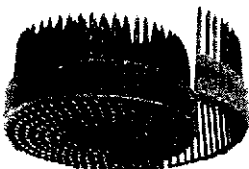
FASTENERS AVAILABLE IN AUSTRALIA FOR DUO-FAST KD665A COIL NAILER



Shank Type	Shank Diam. (mm)	Length (mm)	Part No.	Box Quantity	Suggested Applications
Smooth 	Bright Finish				
	2.1	32	D40250	14,400	Pallets/Box Making
	2.1	40	D40400	12,600	Pallets/Box Making
	2.1	45	D40550	10,800	Pallets/Box Making
	2.1	50	D40650	9,000	Pallets/Box Making
	2.5	50	D41350	9,000	Pallets/Box Making
	2.7	65	D42050	7,200	Pallets/Box Making
	Galvanised & Dacrotised				
	2.1	50	D40750	9,000	Fencing
	2.5	45	D41200	10,800	Fencing
	2.5	50	D41450	9,000	Fencing
	2.5	60	D41750	7,200	Fencing
	2.7	32	D41800	7,200	Trip-L-Grips, Ply bracing, Strapping, Hangers
	Electrogalvanised				
	2.1	45	D40600	10,800	Fencing*
	2.1	50	D40700	9,000	Fencing*
	2.5	35	D41100	12,600	Fencing*
	2.5	45	D41150	10,800	Fencing*
	2.5	50	D41400	9,000	Fencing*
Ring 	Bright Finish				
	2.1	32	D40350	14,400	Pallets/Box Making
	2.1	40	D40500	12,600	Pallets/Box Making
	2.3	50	D40950	9,000	Pallets/Box Making
	2.5	45	D41300	10,800	Pallets/Box Making
	2.7	60	D41900	7,200	Pallets/Box Making
	2.7	65	D42100	7,200	Pallets/Box Making
	Galvanised & Dacrotised				
	2.5	45	D41250	10,800	Cladding, Softwood fencing
	2.5	50	D41500	9,000	
	2.5	60	D41770	7,200	
	Electrogalvanised				
	2.5	50	D41550	9,000	

*For fencing, galvanised & dacrotised is the preferred finish; electrogalvanised is not recommended for outdoor fixing or for fixing into treated pine.

FASTENERS AVAILABLE IN AUSTRALIA FOR DUO-FAST KD665A COIL NAILER



Shank Type	Shank Diam. (mm)	Length (mm)	Part No.	Box Quantity	Suggested Applications
Screw	Bright Finish				
	2.1	32	D40300	14,400	Pallets/Box Making
	2.1	40	D40450	12,600	Pallets/Box Making
	2.3	45	D40850	10,800	Pallets/Box Making
	2.3	50	D40900	9,000	Pallets/Box Making
	2.7	40	D41850	12,600	Pallets/Box Making
	2.7	60	D41950	7,200	
	Bright Finish - Blunt Chisel Point				
	2.7	60	D42000	7,200	Pallets
	Dacrotised - Hardened - Conical Point				
	2.5	32	D41050	7,200	Cladding to steel frames,
	2.6	40	D42350	7,200	timber flooring to steel joists,
	Electrogalvanised - Hardened				
	2.3	32	D40800	7,200	Timber flooring to steel joists
Dome Head	Electrogalvanised - Diamond Point - Hardened				
	2.52	32	D42300	12,600	Timber flooring to steel joists
	Stainless Steel				
	2.5	50	D41600	1,800	Cladding, decking onto
	Ring Shank - Stainless Steel				
	2.5	52	D42220	1,800	Decking-softwood joists
	Screw Shank - Stainless Steel				
	2.5	52	D42250	1,800	Decking-hardwood joists
	Ring Screw				

ACCESSORIES AVAILABLE IN AUSTRALIA



Duo-Fast KD665A Magazine Insert
Part No. D40045
- Required to drive 32mm nails