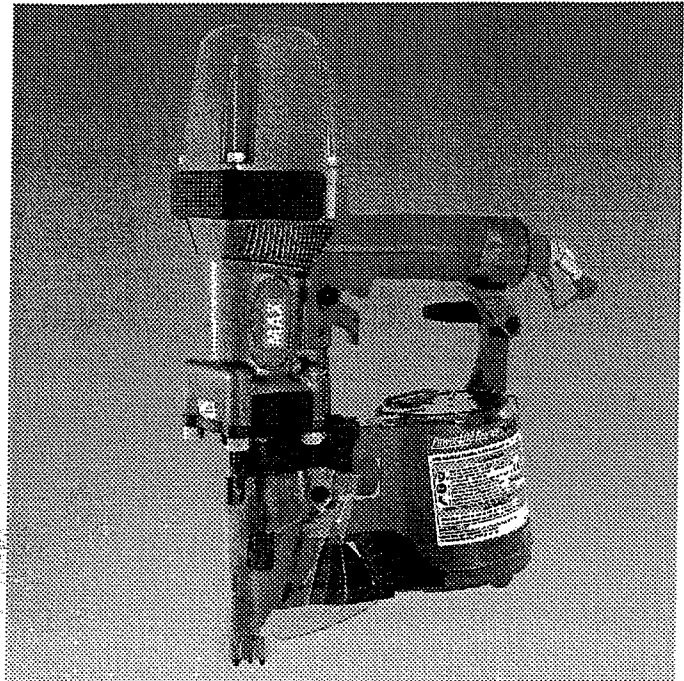




HN100(CE)

HIGH PRESSURE FRAMING TOOL



OPERATING and MAINTENANCE MANUAL



WARNING

BEFORE USING THIS TOOL, STUDY THIS MANUAL TO ENSURE SAFETY WARNING AND INSTRUCTIONS.

KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE.

WHEN USING THE TOOL FOR STEEL PLATES

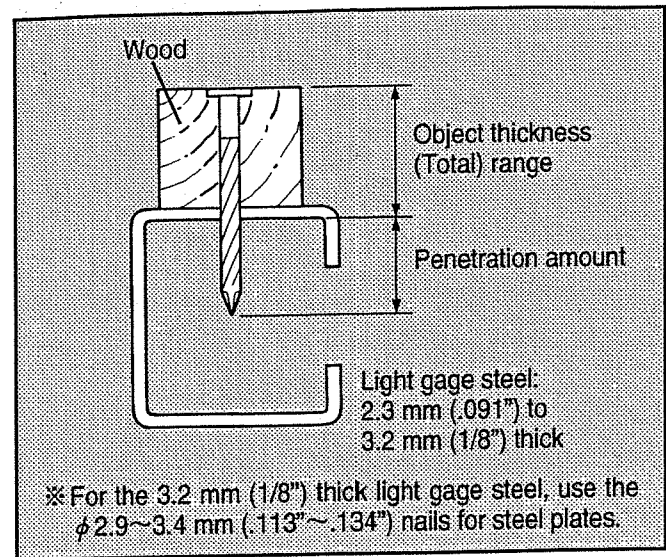


WARNING

- Carry out work based on the required Work Standards.
- If there is no specified work standard, refer the following as a reference.
- Never use the nails for the ceilings (ceiling foundations included) or roofs (roof foundations included).
- Be sure to apply discharge outlet to an object at a right angle.
- Do not drive the nails into the steel plate directly.

This tool is exclusively designed for 2.3 mm (.091") to 3.2 mm (1/8") thick light gage steel. When using it, comply with the Work Standards, considering the object condition and work site environment.

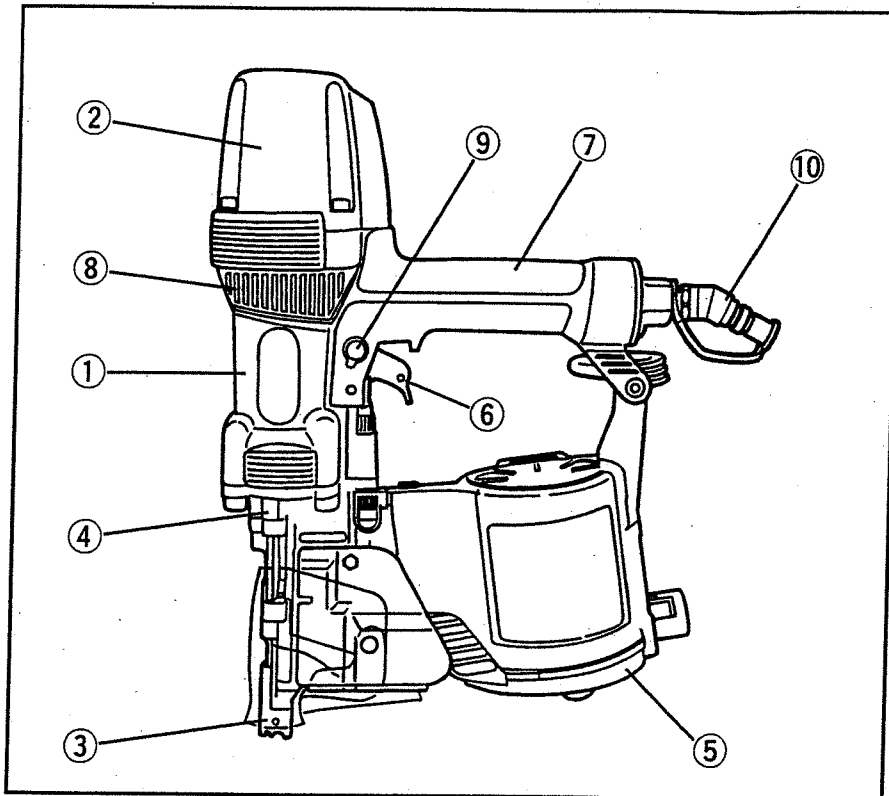
- ① Select appropriate nails according to the object thickness, seeing the right table.
- ※ The nails may not be driven into the object depending on its hardness or thickness.
- ※ If the object is thinner than an appropriate range of thickness, the nails may not be driven into it because of being bent.



- ② If the thickness of the light gauge steel foundations material used is 3.2 mm (1/8"), use the $\phi 2.9 \sim 3.4$ mm (.113" ~ .134") nails for steel plate.
- ③ Never drive the nails directly into the light gauge steel because they will fly off, endangering you.
- ④ Be sure to apply the discharge outlet to the object at a right angle. If applied obliquely, the nails will fly off, endangering you.
- ⑤ Never use the nails for the roofs (roof foundations included) or ceilings (ceiling foundations included).
- ⑥ If the nails are driven into the steel plate too deeply, their holding force will be extremely reduced. When working with the tool, fully check the driven conditions.

2. SPECIFICATIONS AND TECHNICAL DATA

1. NAME OF PARTS



- ① Frame
- ② Cylinder Cap
- ③ Contact Arm
- ④ Nose
- ⑤ Magazine
- ⑥ Trigger
- ⑦ Grip
- ⑧ Exhaust Cover
- ⑨ Trigger Lock Dial
- ⑩ Plug

2. TOOL SPECIFICATIONS

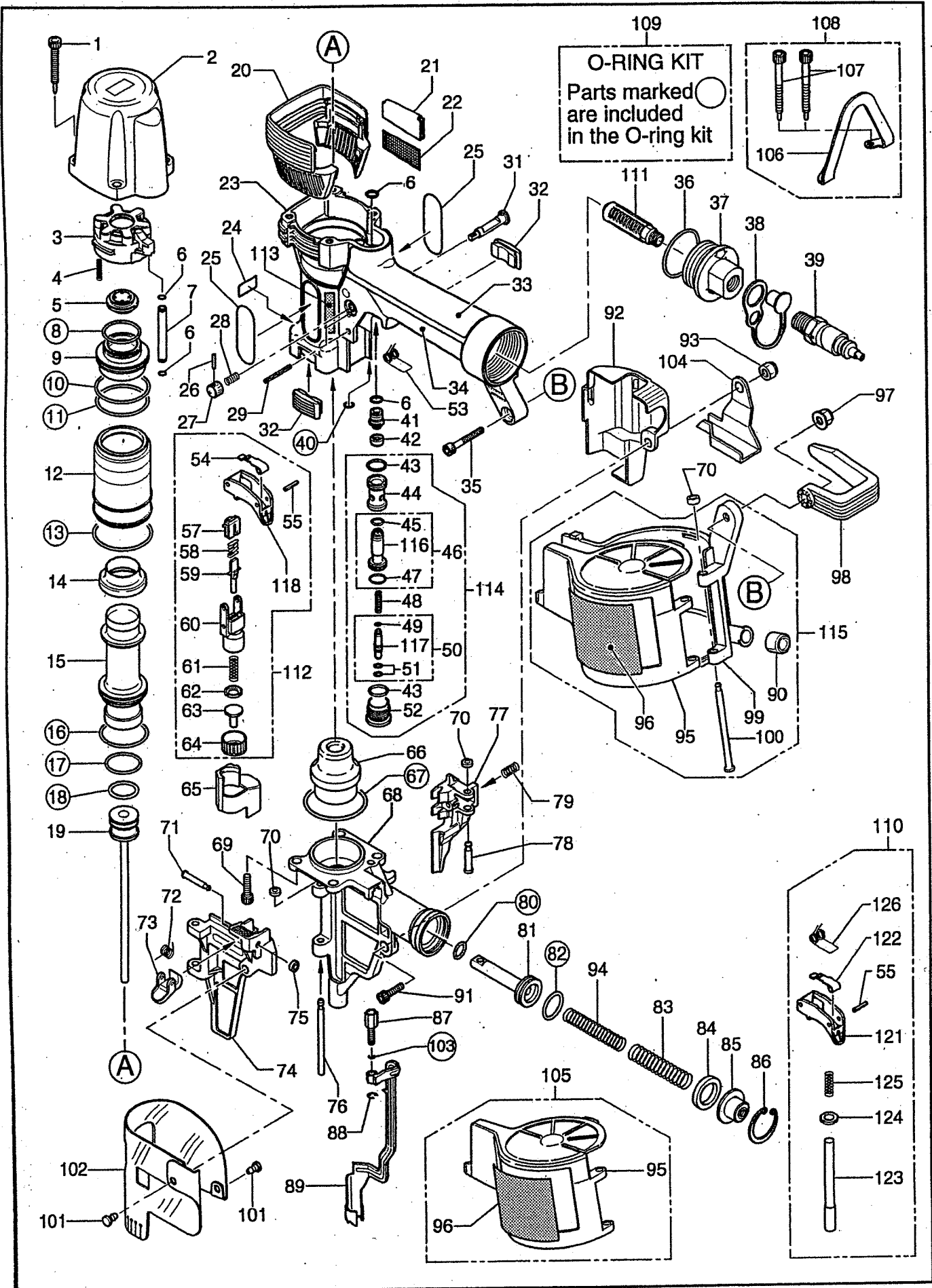
PRODUCT NO.	HN100
HEIGHT	378 mm (14.9")
WIDTH	117 mm (4.6")
LENGTH	317 mm (12.5")
WEIGHT	2.9 kg (6.4 lbs.)
RECOMMENDED OPERATING PRESSURE	10 to 23 bar (140 to 320 p.s.i.)
LOADING CAPACITY	50 Nails
AIR CONSUMPTION	3.6 ℓ at 18 bar (257 p.s.i.) operating pressure

3. FASTENER SPECIFICATIONS

PRODUCT NO.	HN100
NAIL LENGTH	65 to 100 mm (2-1/2" to 4")
SHANK DIAMETER	φ 2.9 to φ 4.1 mm (.113" to .162")
SHANK TYPE	Smooth, Ring, Screw
HEAD DIAMETER	φ 7.5 to φ 8.4 mm (.295" to .330")

HN100

EXPLODED
VIEW AND SPARE
PARTS LIST



HN100

ITEM NO.	PART NO.	MATERIAL	ENGLISH
1	HN10067	Stéel	SCREW 6X35
2	HN10064	Magnesium	CYLINDER CAP
3	HN10068	Magnesium	INNER CAP
4	KK23650	Stainless steel	COMPRESSION SPRING 3650
5	HN10072	Urethane	PISTON STOP
6	HH19127	Rubber	O-RING 1A 1.5X6.6
7	HN10069	Aluminum	PIPE
8	HH19216	Rubber	O-RING 1B 2.6X37.7
9	HN10070	Polyacetal	HEAD VALVE PISTON
10	HH11156	Rubber	O-RING AS568-137
11	HH11157	Rubber	O-RING AS568-136
12	HN10071	Aluminum	HEAD VALVE GUIDE
13	HH19138	Rubber	O-RING 1A 1.8X58.5
14	HN10076	Urethane	CYLINDER SEAL
15	HN10077	Aluminum	CYLINDER
16	HH19178	Rubber	O-RING 1A 3.1X47.4
17	HH11146	Rubber	O-RING AS568-128
18	HH11806	Urethane	O-RING P27
19	HN10073	Magnesium, Steel	MAIN PISTON UNIT
20	HN10106	Nylon, Rubber	EXHAUST COVER UNIT
21	HN10097	Polyacetal	FILTER B
22	HN10096	Stainless steel	FILTER A
23	HN81026	Magnesium	FRAME ASSY
24	CN34309	Polyethylene terephthalate	COUPLING CAUTION SEAL
25	HN11741	Polyethylene terephthalate	LOGO SEAL
26	FF21201	Steel	ROLL PIN 2.5X10
27	HN10327	Nylon	TRIGGER LOCK DIAL
28	KK23507	Stainless steel	COMPRESSION SPRING 3507
29	FF21235	Steel	ROLL PIN 3X30
30			
31	CN34699	Nylon	TRIGGER LOCK LEVER
32	HN10087	Rubber	PROTECTOR A
33	HN10050	Rubber	GRIP COVER A
34	HN10051	Rubber	GRIP COVER B
35	BB40437	Steel	SCREW 5X30
36	HH12118	Rubber	O-RING 1A G35
37	HN10313	Magnesium	END CAP
38	HN10316	Vinyl acetate	END PLUG CAP
39	TT05425	Steel	AIR PLUG H-FPM
40	HH12904	Rubber	O-RING 1A 1X6.2
41	HN10043	Steel	PILOT CAP
42	HN10018	Urethane	PILOT SEAL
43	HH12105	Rubber	O-RING 1A 1.5X12.8
44	HN10016	Polyacetal	TRIGGER VALVE HOUSING
45	HH11208	Rubber	O-RING 1B P6
46	HN80049		PILOT VALVE ASSY
47	HH11132	Rubber	O-RING 1A P10A
48	KK23619	Stainless steel	COMPRESSION SPRING 3619
49	HH19707	Rubber	O-RING 1A 1.4X2.5
50	HN80023		TRIGGER VALVE ASSY
51	HH19214	Rubber	O-RING 1B 1.5X3
52	HN10019	Steel	TRIGGER VALVE CAP
53	KK33237	Stainless steel	TORSION SPRING 3237
54	HN10104	Steel	CONTCT LEVER
55	FF22402	Stainless steel	ROLL PIN 3X16
56	HN80037		TRIGGER ASSY
57	CN34800	Nylon	SWITCH LEVER
58	CN34500	Stainless steel	SWITCH SPRING
59	HN10022	Steel	CONTACT ARM A

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ITEM NO.	PART NO.	MATERIAL	ENGLISH
60	HN10021	Steel	ARM GUIDE
61	KK23620	Stainless steel	COMPRESSION SPRING 3620
62	HN10041	Rubber	CONTACT BUMPER
63	HN10042	Steel	CONTACT COLLAR
64	HN10026	Polyacetal	ADJUST DIAL
65	HN10082	Polyacetal	ADJUST SPACER
66	HN10078	Rubber	BUMPER
67	HH19168	Rubber	O-RING 1A 1.5X44
68	HN10081	Steel	NOZE
69	BB40206	Steel	SCREW 8x30
70	EE39602	Urethane	RUBBER WASHER 7
71	FF41599	Steel	STEP PIN 1599
72	KK33261	Stainless steel	TORSION SPRING 3261
73	CN33679	Steel	DOOR LATCH
74	HN10085	Steel	DOOR
75	EE39609	Urethane	RUBBER WASHER 1.8X6X2
76	FF31520	Steel	PARALLEL PIN 1520
77	HN10083	Steel	FEED PAWL
78	FF41509	Steel	STEP PIN 1509
79	KK23573	Stainless steel	COMPRESSION SPRING 3573
80	HH11113	Rubber	O-RING 1A P9
81	HN10084	Steel	FEED PISTON
82	HH11106	Rubber	O-RING 1A P16
83	KK23173	Stainless steel	COMPRESSION SPRING 3173
84	CN32093	Urethane	FEED PISTON STOP
85	HN10388	Steel	SPRING COLLAR
86	JJ22408	Stainless steel	C-RETAINING RING 24 SUS
87	HN10027	Steel	CONTACT BOLT
88	JJ10404	Stainless steel	E-RETAINING RING 3.2 (STICK)
89	HN10109	Steel	CONTACT ARM B UNIT
90	HN11602	Urethane	CONTACT TIP
91	BB40428	Steel	SCREW 6X25
92	HN10086	Nylon	FEED PAWL COVER
93	CC49406	Steel, Nylon	NUT 406
94	KK23627	Stainless steel	COMPRESSION SPRING 3627
95	HN10089	Polycarbonate	MAGAZINE CAP
96	HN11742	Polyethylene terephthalate	NAME SEAL
97	CC49411	Steel, Nylon	NUT M5
98	HN10003	Nylon	HOOK
99	HN10088	Nylon	MAGAZINE
100	FF31254	Steel	PARALLEL PIN 1254
101	CN31083	Rubber	DUST COVER FITTING
102	HN10090	Polyvinyl chloride	DUST COVER
103	HH11903	Rubber	O-RING 1A 1.2X4
104	HN10102	Steel	NEEDLE POINT GUIDE A
105	HN81185		MAGAZINE CAP ASSY
106	HN11744	Steel	FRAME HANGER
107	HS10704	Steel	SCREW 6X38
108	HN81188		FRAME HANGER KIT
109	HN81187		O-RING KIT ASSY
110	HN81186		DS KIT ASSY
111	TA17024	Nylon	END CAP FILTER KM-23
112	HN81190		ARM GUIDE KIT
113	HN10757	Polyethylene terephthalate	TRIGGER LOCK SEAL
114	HN81189		TRIGGER VALVE KIT
115	HN70226		MAGAZINE MODULE
116	HN10017	Polyacetal	PILOT VALVE
117	HN10057	Steel	TRIGGER VALVE STEM
118	CN34494	Polyacetal	TRIGGER

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ITEM NO.	PART NO.	MATERIAL	ENGLISH
119			
120			
121	CN35260	Polyacetal	TRIGGER
122	HN10100	Steel	CONTACT LEVER
123	HN10101	Steel	CONTACT ARM A
124	HN10103	Steel	CONTACT COLLAR
125	KK23902	Stainless steel	COMPRESSION SPRING 3902
126	KK33346	Stainless steel	TORSION SPRING 3346