



FINE 50

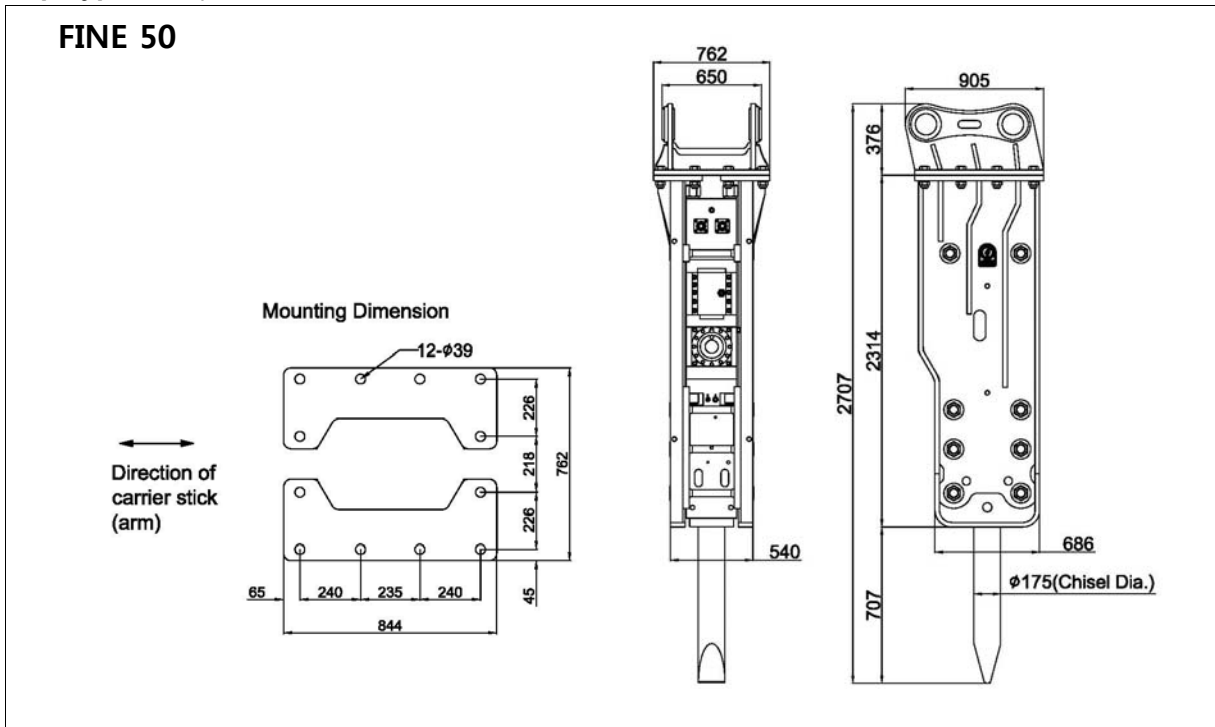
TECHNICAL SPECIFICATIONS

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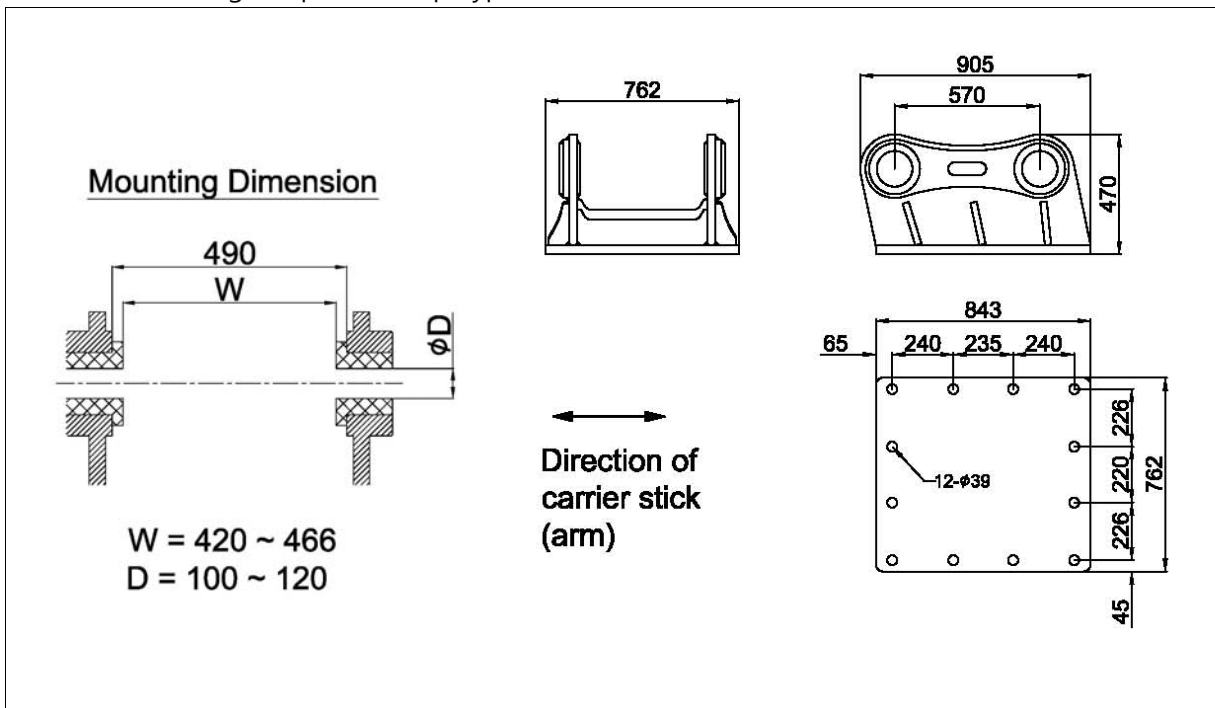
1. EXTERNAL DIMENSIONS

Unit: mm

● **Top Type** : Adapter Mount



● **Standard Mounting Adapter for Top Type**





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2. BASIC SPECIFICATIONS

Bracket Version	Top Type		
Available Option			
2-speed control	Std.		
Dust protector	Opt.		
Auto-greasing kit	Opt.		
Working Weight ¹⁾	3,500 (7,718)		kg (lbs)
Weight without chisel and mounting adapter	2,789 (6,149)		kg (lbs)
Overall Length ²⁾	3,726 (145)		mm (in.)
Weight of components			
Power-cell	1,546	(3,408)	kg (lbs)
Chisel(standard)	276	(608)	kg (lbs)
Mounting adapter ³⁾	435	(959)	kg (lbs)
Required Oil Flow	250 ~ 310	(66 ~ 82)	lpm (gpm)
Operating Pressure	160 ~ 180	(2,320 ~ 2,610)	bar (psi)
Blow Frequency	250 ~ 450		bpm
Impact Energy	13,125	(9,686)	J (ft.lbf)
Tool (chisel) Shank Diameter	175	(6.7)	mm (in.)
Applicable Carrier Weight			
Optimal range	45 ~ 60	t	
Available range	45 ~ 60	t	



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3. INSTALLATION SPECIFICATIONS

Gas Charging Pressure ¹⁾			
Back-head (Piston accumulator) ²⁾	16 ~ 17	(130 ~ 145)	bar (psi)
High pressure accumulator	60	(870)	bar (psi)
Hydraulic Piping			
Line size (min. internal diameter)	32	(1 1/4)	mm (in.)
Acceptable back pressure (max.) ³⁾	10	(150)	bar (psi)
Hose connections of breaker			
Oil supply (IN) & return (OUT)	BSP 1 1/4" O-Ring Boss Female		
Pressure Relief (min.)			
	40 (600) + measured max. operating pressure		
Acceptable Hydraulic Oil			
Operating temperature ⁴⁾	-20 ~ +85	(-4 ~ +185)	°C (°F)
Viscosity	1000 ~ 10		cSt

Notes :







- 1) The prefill nitrogen gas pressure measured statically (breaker not operating) without down load on the tool at the stabilized gas temperature of +20 °C
- 2) The recommended value at the normal operating condition (supplied oil flow, oil temperature and viscosity, etc.)
- 3) The maximum allowed oil pressure at the breaker's connection point to the return line (measured statically without the breaker)
- 4) The allowed temperature limits when using the oil of viscosity grade 46



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4. AVAILABLE TOOLS (CHISELS)

Shank Diameter	175	(6.9)		mm	(in.)
	TYPE OF TOOL :				
	Wedge Point	Moil Point	Blunt Point		
Tool Diameter ¹⁾	175 (6.9)	175 (6.9)	175 (6.9)	mm	(in.)
Tool Length	1600 (63)	1600 (63)	1600 (63)	mm	(in.)
Tool Weight	276.4(609.4)	267.1(608.7)	291.6(642.9)	kg	(lbs)
Tool Shape					
					

Notes :

1) The diameter of the tool portion outside the breaker body

- Other special designs are also available on request.