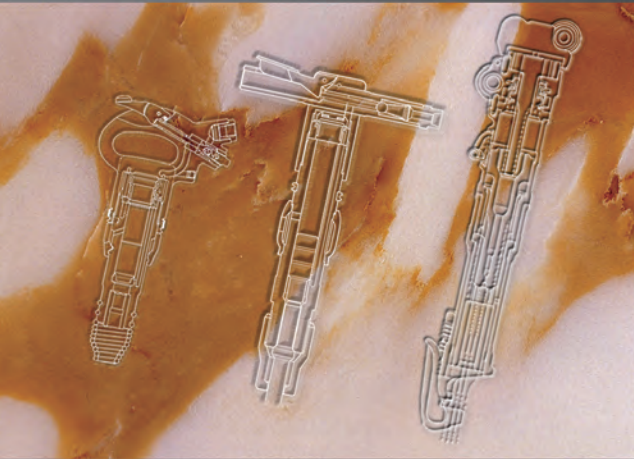


# Pneumatic Tools



## CHIPPING HAMMER

- Chipping concrete blocks in building and civil engineering work
- Removal of various burrs
- Assistance in electric work, sewage work, gas work, etc.



**CH55- II**      **CH55- II V** ( Vibration isolation type )      **CH80- II**      **CH80- II V** ( Vibration isolation type )

Model		CH55- II	CH55- II V	CH80- II	CH80- II V
Weight	kg	5.3	5.3	6.0	6.0
Overall length	mm	355	355	355	355
Number of blows	min <sup>-1</sup>	2,000	2,000	2,000	2,000
Piston diameter	mm	24	24	28	28
Stroke	mm	75	75	80	80
Air consumption	m <sup>3</sup> /min	0.4	0.4	0.7	0.7
Shank size	mm	φ 17.45 x 60、H14.75 x 60			
Inside diameter of hose	mm	13	13	13	13
Hose adapter thread		R3/8	R3/8	R3/8	R3/8

## PICK HAMMER

Light yet powerful. Suitable for digging soft rocks and crushing and ditching concrete.



**CA7**      **CA7-V**(Vibration isolation type)

Model		CA7	CA7-V
Weight	kg	7.0	8.0
Overall length	mm	470	485
Number of blows	min <sup>-1</sup>	1,300	1,300
Piston diameter	mm	35	35
Stroke	mm	125	125
Air consumption	m <sup>3</sup> /min	1.2	1.2
Shank size	mm	φ 26 x 80	φ 26 x 80
Inside diameter of hose	mm	19	19
Hose adapter thread		R3/4	R3/4

### For Chipping hammer



#### Specifications of steels

Length (mm)	Shank size	Applicable models
300, 350	φ 17.45 x 60 H14.75 x 60	CH55, CH80 CH55, CH80

#### Specifications of spades

Length (mm)	Edge width (mm)	Applicable models
300	50	CH55, CH80

### For Pick hammer



#### Specifications of steel

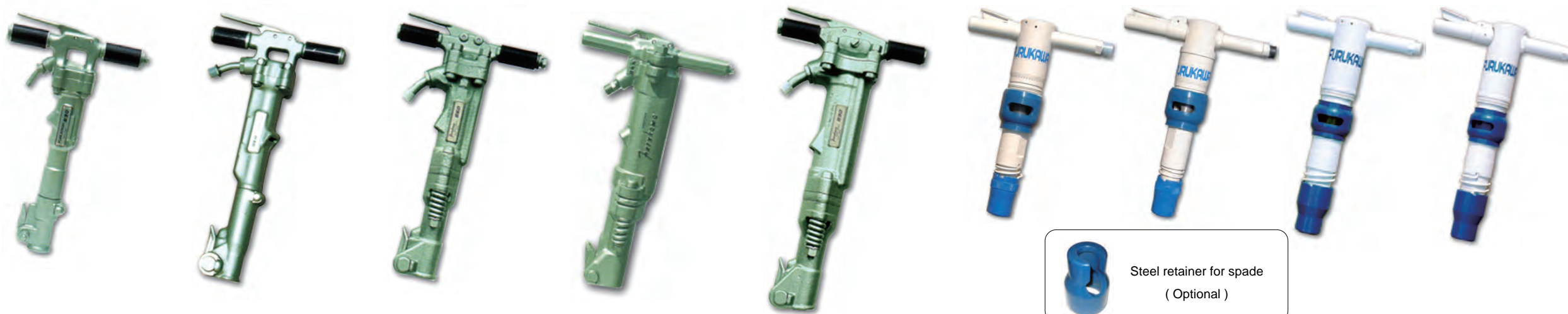
Length (mm)	Shank size	Applicable models
450, 600	φ 26 X 80	CA7

#### Specifications of spades

Length (mm)	Edge width (mm)	Applicable models
450	76	CA7

## PAVING BREAKER

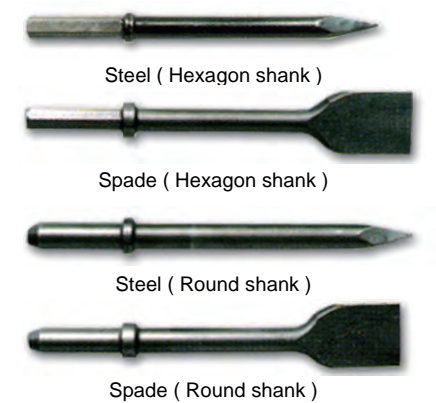
Effective for simple work on roads, ditching, breaking hard concrete structure, etc.



**B30**      **B40**      **B60**      **B44**      **B90**      **FCB15**      **FCB15-V** ( Vibration isolation type )      **FCB20- II**      **FCB20- II V** ( Vibration isolation type )

Model		B30	B40	B60	B44	B90	FCB15	FCB15V	FCB20- II	FCB20- II V
Weight	kg	15.5	18.5	30.5	36.5	42.0	15.0	15.0	21.2	21.2
Overall length	mm	585	665	666	692	747	492	492	556	556
Number of blows	min <sup>-1</sup>	1,850	1,300	1,550	1,150	1,400	1,150	1,150	1,100	1,100
Air consumption	m <sup>3</sup> /min	1.0	1.4	1.4	2.0	2.2	0.8	0.8	1.65	1.65
Shank size	mm	H25 x 108	H25 x 108	H32 x 152	H32 x 152	H32 x 152	φ 26 x 80	φ 26 x 80	φ 30 x 87	φ 30 x 87
Inside diameter of hose	mm	13	19	19	19	19	19	19	19	19
Hose adapter thread		R3/8	R3/4	R3/4	R3/4	R3/4	G1	G1	G1	G1

### For Paving breaker



#### Specifications of steels

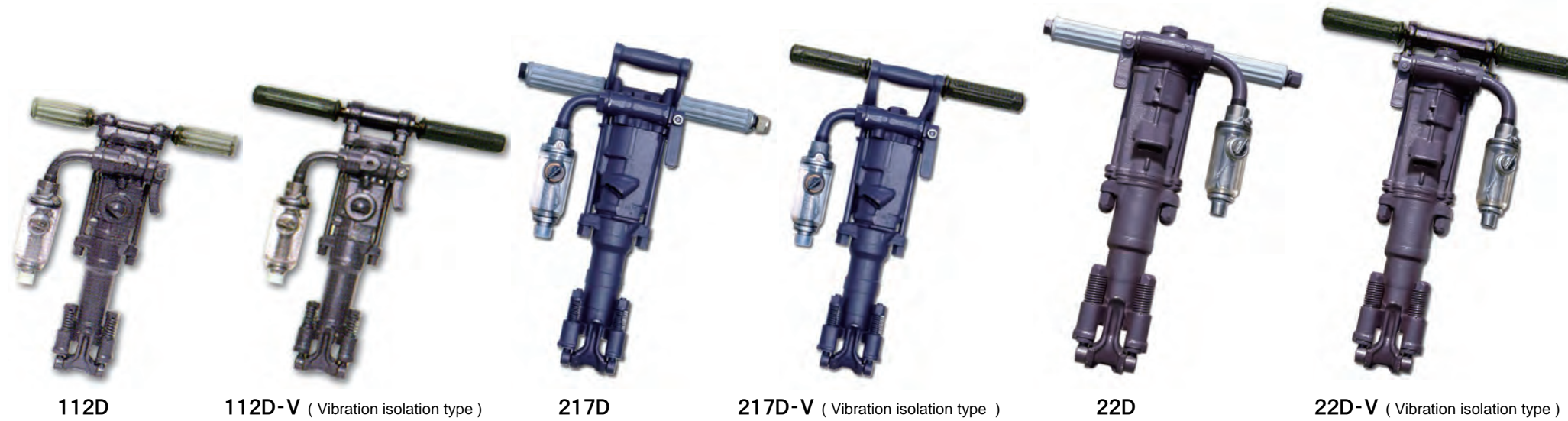
Length (mm)	Shank size	Applicable models
400, 450, 600	φ 26 X 80	FCB15
400, 450, 600	φ 30 X 87	FCB20
450	H25 X 108	B30 B40
530, 600, 800	H32 X 152	B60 B90

#### Specifications of spades

Length (mm)	Edge width (mm)	Applicable models
400, 450	75	FCB15 FCB20

# HAND DRILL

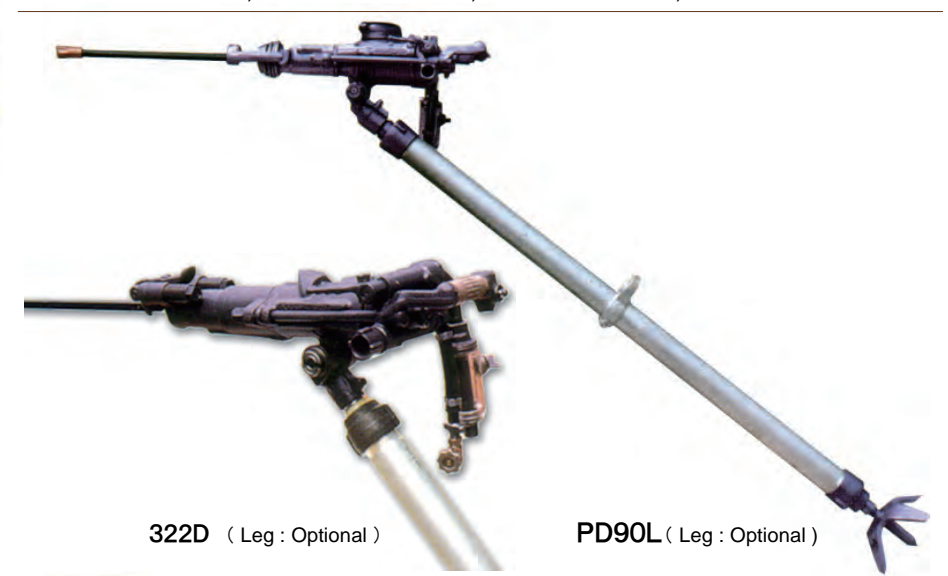
Widely used for breaking rocks in quarries or for road constructions and other civil engineering work.



Model		112D	112D-V	217D	217D-V	22D	22D-V
Weight	kg	13.6	16.1	20.8	21.0	26.9	29.5
Overall length	mm	485	528	580	566	612	660
Number of blows	min <sup>-1</sup>	2,400	2,400	2,500	2,500	1,850	1,850
Air consumption	m <sup>3</sup> /min	2.1	2.1	2.4	2.4	3.5	3.5
Shank size	mm	H19 x 83 H22 x 83	H19 x 83 H22 x 83	H22 x 108	H22 x 108	H22 x 108	H22 x 108
Inside diameter of hose	mm	19	19	19	19	19 ~ 25	19 ~ 25
Hose adapter thread		R3/4	R3/4	R3/4	R3/4	R3/4	R3/4
Type of blow		Air blow	Air blow	Air blow	Air blow	Air blow	Air blow

# LEG DRILL

These medium-sized and large-sized drills for horizontal drilling are proven evaluated at mines, tunnel construction, dam construction, etc.



Model		322D	PD90L
Weight	kg	26.9	28.9
Overall length	mm	705	670
Number of blows	min <sup>-1</sup>	1,850	2,500
Air consumption	m <sup>3</sup> /min	3.5	4.5
Shank size	mm	H22 x 108	H22 x 108
Inside diameter of air hose	mm	19 ( R3/4 )	25 ( R3/4 )
Inside diameter of water hose	mm	13 ( R3/8 )	13 ( R3/8 )
Type of blow		Wet	Wet
Leg used		LB56	LC77

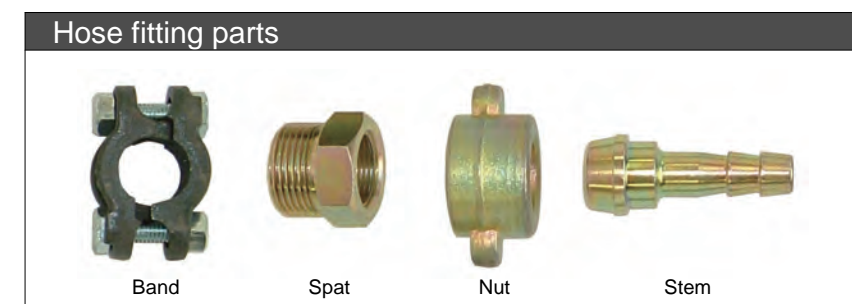
Bit	Rod size mm	Gauge mm	Parts No.	
			Carr bit	Cross bit
<p>Carr bit</p> <p>Cross bit</p>	19	26	19CT-26	19XT-26
		28	19CT-28	19XT-28
		30	19CT-30	19XT-30
		32	19CT-32	19XT-32
		34	19CT-34	19XT-34
		36	19CT-36	19XT-36
	22	28	22CT-28	22XT-28
		30	22CT-30	22XT-30
		32	22CT-32	22XT-32
		34	22CT-34	22XT-34
		36	22CT-36	22XT-36
		38	22CT-38	22XT-38
		40	22CT-40	22XT-40
		42	22CT-42	22XT-42
	44	22CT-44	22XT-44	
	50		22XT-50	
	55		22XT-55	
	60		22XT-60	
	65		22XT-65	

C=Carr bit, X=Cross bit, T=Taper

Rod	Effective length mm	Overall length mm	Part No.	
			19mm	22mm
	500	600	H19T-S-6	H22T-(S)(L)-6
	800	900	H19T-S-9	H22T-(S)(L)-9
	1,100	1,200	H19T-S-12	H22T-(S)(L)-12
	1,400	1,500	H19T-S-15	H22T-(S)(L)-15
	1,700	1,800	H19T-S-18	H22T-(S)(L)-18
	2,000	2,100		H22T-(S)(L)-21
	2,300	2,400		H22T-(S)(L)-24
	2,600	2,700		H22T-(S)(L)-27
	2,900	3,000		H22T-(S)(L)-30
	3,400	3,500		H22T-(S)(L)-35
	3,900	4,000		H22T-(S)(L)-40
	4,400	4,500		H22T-(S)(L)-45
	4,900	5,000		H22T-(S)(L)-50

H=Hexagon, Shank length: S=83mm, L=108mm

Reaming bit	Rod size ( mm )	Gauge ( mm )	Set parts No.	Parts No.
	22	65	DXB-65	DXBR-65
		70	DXB-70	DXBR-70
		80	DHB-80	DHBR-80
		90	DHB-90	DHBR-90
		100	DHB-100	DHBR-100
		120	DHB-120	DHBR-120
		130	DHB-130	DHBR-130
	150	DHB-150	DHBR-150	



# PALM DRILL

• Cutting stones • Anchoring work • Drilling large boulders, rock bed, objects of civil engineering, etc.



6D



6D-V ( Vibration isolation type )

Since an oil sump is installed, durability of parts is improved greatly.

The rod turns to the right so that it can drive anchor bolts.

Model		6D	6D-V
Weight	kg	5.9	7.4
Overall length	mm	424	458
Number of blows	min <sup>-1</sup>	3,400	3,400
Piston diameter	mm	38	38
Stroke	mm	32	32
Air consumption	m <sup>3</sup> /min	0.85	0.85
Shank size	mm	φ 19-H14.6 x 88	φ 19-H14.6 x 88
Inside diameter of hose	mm	13	13
Hose adapter thread		G3/8	G3/8

## For Palm drill

Carr bit	For 15T Gauge : 20, 22mm
	For 19T Gauge : 24~38mm
Cross bit	For 15T Gauge : 20, 22mm
	For 19T Gauge : 24~38mm

Taper rod for 15T ( 20, 22mm )	
Overall length ( mm )	200,300,400,500,600,700,800,900,1000,2000

Snake-head rod for 19T ( 24~38mm )	
Overall length ( mm )	300,400,500,600,700,800,900,1000,1200

Insert bit	
Edge width ( mm )	Length ( mm )
14.0	250,300,350,400,500
16.0	250,300,400,500,600,700,800,1000
18.0	280,400,500,600,700,800,1000
20.0	280,400,500,600,700,800,1000
22.0	280,400,500,600,700,800,1000

Effective length is 120mm shorter than overall length.

Blade ( mm )	Wedge ( mm )	Diameter ( mm )
150	205	28
150	205	30
145	235	32
150	240	34
160	245	36
165	260	38

Blade ( mm )	Wedge ( mm )	Diameter ( mm )
600	155	38

# AIR AUGER

Auger drills soft rocks and clayey rocks which cannot be drilled easily with impact rotary drills.



AA1 ( Hand feed type )



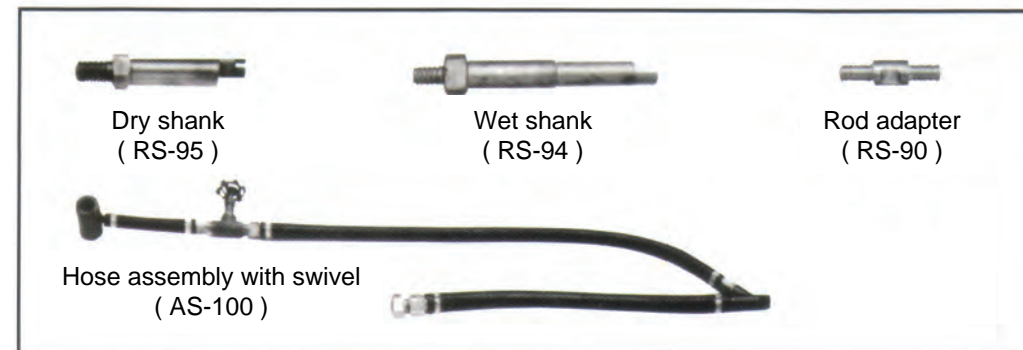
( Bit & Rod : Optional )

Bit  
( Diameter : 42mm )

Rod length : 1000, 1200, 1500, 1800, 2000mm

Model		AA1
Weight	kg	8.8
Overall length	mm	266
Output	kW	2.1
Revolution	min <sup>-1</sup>	900
Air consumption	m <sup>3</sup> /min	2.6
Inside diameter of hose	mm	19
Hose adapter thread		R3/4
Operation method		Direct lever

## Option





FRD Furukawa reserves right to change specifications without prior notice.

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