

TOKU

CONSTRUCTION&MINING

Ver.2.33



PICK HAMMER

PICK HAMMER

- Light weight and easy to handle.
- Automatic push-start mechanism.
- Less components for easy maintenance.
- Forged body for long life.

TCB BREAKER

TCB BREAKER

- Simple structure for less maintenance.
- Long stroke cylinder provides maximum impact energy.
- Replaceable round bushing.
- Reinforced cup retainer.

TPB BREAKER

TPB BREAKER

- Alloy steel forged parts provide maximum durability.
- Anti-vibration models are available for workers health care.(TPB-40SV&501SV)
- Forged Latch retainer for quick chisel change.
- Optional muffler available on request.



MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT kg lb		OVERALL LENGTH mm	AIR CONSUMPTION m³/min c.f.m.		HOSE SIZE mm	SHANK SIZE (Round)	AIR INLET SIZE PT
TCA-7	35	120	1,250	7.2	16	465	1	35.3	19	R26×80mm	3/4
TCB-130B	35	130	1,400	15	33	490	1.05	37.1	19	R26×80mm	1
TCB-200	40	166	1,050	20.9	46	556	1.5	53	19	R30×87mm	1
TCB-300	45	180	950	30	66	606	1.6	56.5	19	R35×87mm	1

TRENCHER & CLAY DIGGER

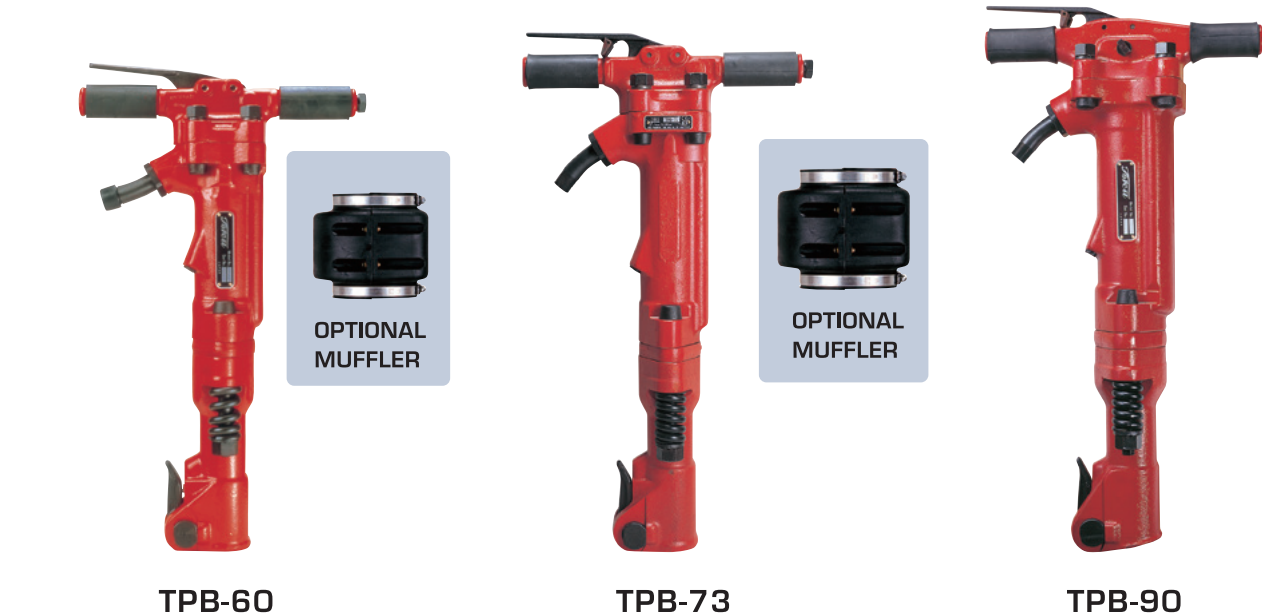
TRENCHER & CLAY DIGGER

- All major components are forged to increase durability.
- TCD-30&TRC-30 are interchangeable with TPB-30 by simply changing the handle.
- Latch retainer for quick chisel change.
- Optional muffler available on request.



MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT kg lb		OVERALL LENGTH mm	AIR CONSUMPTION m³/min c.f.m.		HOSE SIZE mm	SHANK SIZE (Hex)	AIR INLET SIZE PT
TCD-20	42.85	60	2,000	10	22	520	1.1	38.8	12.7	7/8"Hex×3¼"	1/2
TCD-30	44.45	85	1,550	13.6	30	577	1.4	49.4	12.7	7/8"Hex×3¼" or 1"Hex×4¼"	1/2
TRC-30	44.45	85	1,550	16.3	36	736	1.4	49.4	12.7	7/8"Hex×3¼" or 1"Hex×4¼"	1/2

※Shank Size Conversion Chart (Inches ⇄ Millimeters) :7/8" = 22.22mm / 1" = 25.4mm / 3¼" = 82.55mm / 4¼" = 107.95mm



MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT kg lb		OVERALL LENGTH mm	AIR CONSUMPTION m³/min c.f.m.		HOSE SIZE mm	SHANK SIZE (Hex)	AIR INLET SIZE PT
TPB-30	44.45	85	1,550	15	33	564	1.4	49.4	9.5	7/8"Hex×3 ¼" or 1"Hex×4¼"	1/2
TPB-40	44	146	1,100	18	40	660	1.6	56.5	12.7	1"Hex×4¼"	3/4
TPB-40SV	44	146	1,100	19.5	43	653.5	1.6	56.5	19	1"Hex×4¼"	3/4
TPB-501SV	50	156	1,250	28.1	62	714	1.4	49.4	19	1½"Hex×6 or1¼"Hex×6"	3/4
TPB-60	57.15	100	1,400	30	66	645	1.65	58.3	19	1½"Hex×6 or1¼"Hex×6"	3/4
TPB-73	57.15	144	1,200	31	68	690	1.8	63.6	19	1½"Hex×6 or1¼"Hex×6"	3/4
TPB-90	66.6	152	1,250	42	93	725	2.2	77.7	19	1½"Hex×6 or1¼"Hex×6"	3/4

※Shank Size Conversion Chart (Inches ⇄ Millimeters) :7/8" = 22.22mm / 1" = 25.4mm / 1½" = 28.575mm / 1¼" = 31.75mm / 3¼" = 82.55mm / 4¼" = 107.95mm / 6" = 152.4mm

AA CHIPPING HAMMER

AA CHIPPING HAMMER

- Precision valve allows excellent control during operation.
- Replaceable bushing
- 2 types of bushing ,round or hex, are available.
- Anti-vibration handle is available for AA-1.3B.



AA-0B



AA-1.3B



AA-3B



TYC-6B

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT kg lb		OVERALL LENGTH mm	AIR CONSUMPTION m³/min c.f.m.	HOSE SIZE mm	SHANK SIZE (Round or Hex)	AIR INLET SIZE PT
AA-0B	20	50	3,600	2	4.4	254	0.35 12.4	12.7	R15 x 53L or (R15) x 12.7(H) x 53L	3/8
AA-1.3B	24	58	2,800	4.5	9.9	320	0.45 15.9	12.7	R17.45x 60L or (R17.45) x 14.75(H) x 60L	3/8
AA-3B	28	79	2,400	5.8	13.9	330	0.45 15.9	12.7	R17.45x 60L or (R17.45) x 14.75(H) x 60L	3/8
TYC-6B	28.54	75	1,800	6.7	14.8	430	0.8 28.2	12.7	R17.45x 60L or (R17.45) x 14.75(H) x 60L	3/8

CHIPPING HAMMER

CHIPPING HAMMER

- Available in 1"to 4"stroke for wide selection to suit variety of applications.
- Replaceable bushing
- 2types of bushing, round or hex, are available.
- 2types of retainer, cup and spring, are available.(THA-4B)
- Four bolt handle for excellent durability and maintenance.(TCH-3&4)

Goose Neck Handle



THA-2B



THA-3B



THA-4B



THA-4S

4-Bolt Handle



TCH-3



TCH-4

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT kg lb		OVERALL LENGTH mm	AIR CONSUMPTION m³/min c.f.m.	HOSE SIZE mm	SHANK SIZE (Round or Hex)	AIR INLET SIZE PT
THA-2B	28.54	51	2,300	6.2	13.6	413	0.85 30	12.7	R17.45x 60L or (R17.45) x 14.75(H) x 60L	3/8
THA-3B	28.54	64	2,200	6.8	15	450	0.9 31.8	12.7	R17.45x 60L or (R17.45) x 14.75(H) x 60L	3/8
THA-4B(S)	28.54	102	1,800	7	16.1	480	0.95 33.5	12.7	R17.45x 60L or (R17.45) x 14.75(H) x 60L	3/8
TCH-3	28.54	63.5	2,200	8.6	19	406	0.89 31.5	12.7	R17.45x 60L or (R17.45) x 14.75(H) x 60L	3/8
TCH-4	28.54	101.6	1,800	9	20	432	0.95 33	12.7	R17.45x 60L or (R17.45) x 14.75(H) x 60L	3/8

SINKER ROCK DRILL

SINKER ROCK DRILL

- Multiposition throttle for smooth start up in drilling.
- Well balanced body for efficient operation.
- Each component is carefully heat treated to maximize durability.
- Anti-vibration model is available on request.



TJ-15



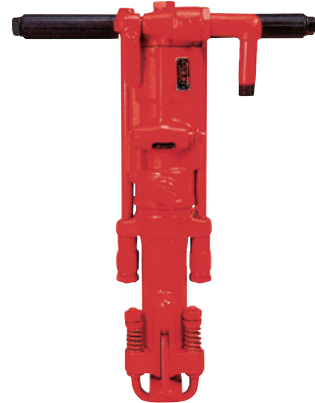
TJ-15SV



TJ-20



TJ-20SV



TS-55

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	ROTARY SPEED r.p.m.	NET WEIGHT kg lb		OVERALL LENGTH mm	AIR CONSUMPTION m³/min c.f.m.	HOSE SIZE mm	
TJ-15	54	45	2,450	250	14	31	504	1.6 56.5	19	
TJ-15SV	54	45	2,450	250	17.8	39	567	1.6 56.5	19	
TJ-20	68	49	2,400	200	18.5	41	610	2.5 88.3	19	
TJ-20SV	68	49	2,400	200	22.5	50	583	2.5 88.3	19	
TS-55	66.6	64	1,800	200	27	60	581-S 606-L	2.6 91.8	19	

ROTARY HAMMER

ROTARY HAMMER

- TH5-S is designed for a wide variety of construction and maintenance applications
- 15T and 19T taper rods are available.
- Insert bit is available.

INSERT BIT FOR ROTARY HAMMER

- INSERT BIT



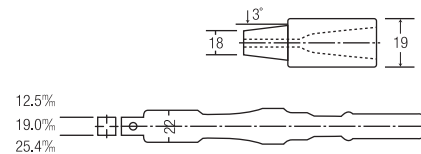
TH5-S

SIZE G	SHANK SIZE	OVERALL LENGTH	SIZE G	SHANK SIZE	OVERALL LENGTH
13	R 3/4•5/8H	250, 350	18	R 3/4•5/8H	280, 400, 500, 600, 700
14	R 3/4•5/8H	230, 250, 400	19	R 3/4•5/8H	300, 400, 500, 600, 700
14.5	R 3/4•5/8H	250, 300	20	R 3/4•5/8H	280, 400, 500, 600, 700
15	R 3/4•5/8H	300	21.5	R 3/4•5/8H	300
16	R 3/4•5/8H	250,280,400,500,600,700	22	R 3/4•5/8H	280, 400, 500, 600, 700
17.5	R 3/4•5/8H	300			

- 15T TAPER ROD



- 19T TAPER ROD



19X22 ADAPTER FOR ROTARY HAMMER

Bits for 22 taper rods can be used by 19 taper rods and this adapter.

SOCKET ADAPTER FOR ROTARY HAMMER

Mounting chemical anchor.

MODEL	ROTARY SPEED r.p.m.	BLOW PER MIN. b.p.m.	NET WEIGHT kg lb		OVERALL LENGTH mm	AIR CONSUMPTION m³/min c.f.m.	HOSE SIZE mm	SHANK SIZE PT	
TH5-S	420	3,400	5.8	12.8	425	0.85 30	12.7	R3/4•5/8H	

TAMPER
&
SAND
RAMMER

TAMPER & SAND RAMMER

- Toku tampers are ideal for compacting backfill for trenches and compacting soil around foundations and other structures.



T-6



TF-1N

TF-2N



TB-00G

TB-0G

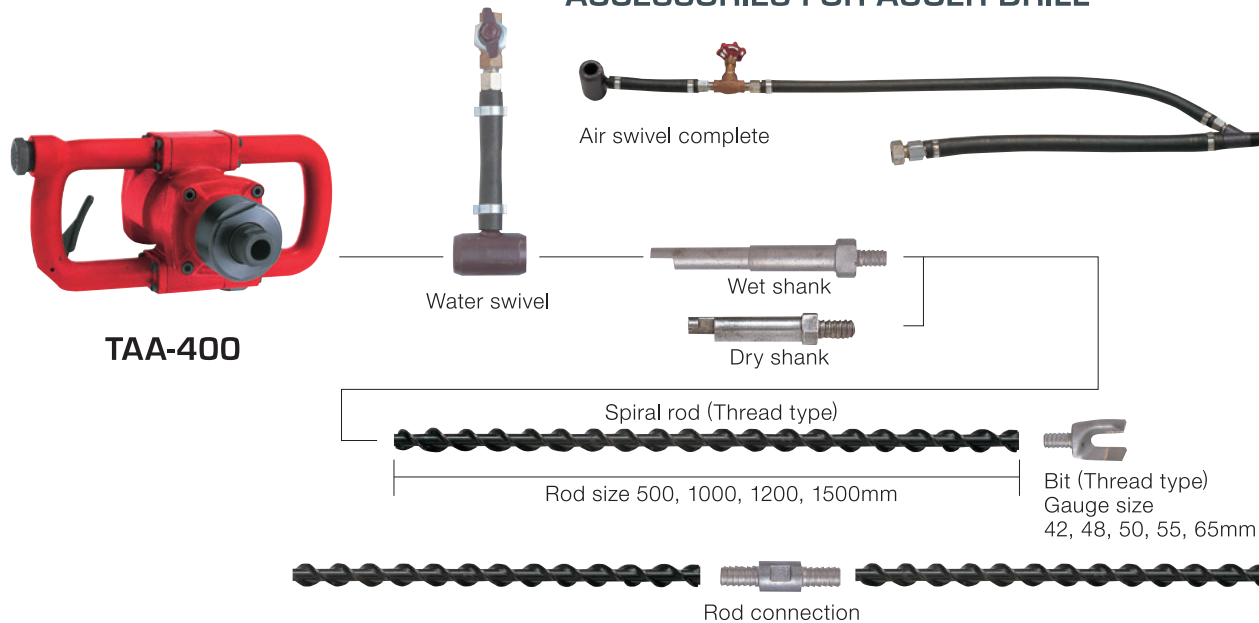
MODEL	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT kg lb	OVERALL LENGTH mm	BUTT DIAMETER mm	AIR CONSUMPTION m ³ /min c.f.m.	HOSE SIZE mm	AIR INLET SIZE PT
TB-00G	18	50	1,600	1.7 3.7	280	51.5	0.25 8	12.7	3/8
TB-0G	22	65	1,000	2.7 5.9	395	54	0.3 9.6	12.7	3/8
TF-1N	25.4	100	800	6.8 15	1,070	67	0.7 22.4	12.7	1/2
TF-2N	32	125	700	9 19.8	1,105	75	0.85 27.2	12.7	1/2
T-6	38	140	600	18 40	1,240	146	1.1 38.9	12.7	1/2

AIR
AUGER
DRILL

AIR AUGER DRILL

- Water swivel attachment available to control dust and chips from drilling.

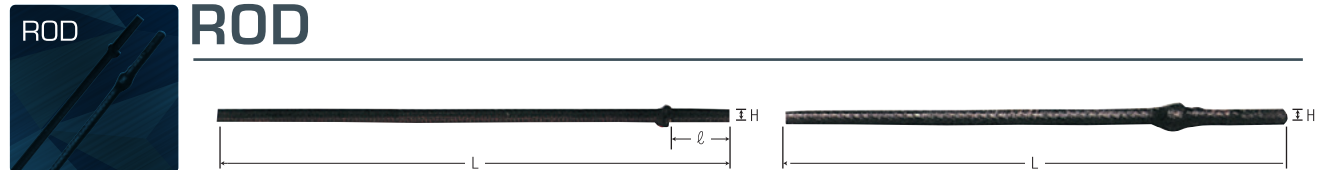
ACCESSORIES FOR AUGER DRILL



MODEL	PUT OUT mm	SPEED AT NO LOAD r.p.m	SPEED AT LOAD r.p.m	NET WEIGHT kg lb	OVERALL LENGTH mm	AIR CONSUMPTION m ³ /min c.f.m.	HOSE SIZE mm	AIR INLET SIZE PT	START TYPE
TAA-400	4.0	1,200	600-950	10.2 22.5	275	3.4 119	19	3/4	LEVER TYPE

ROD

ROD



TAPER ROD FOR ROCK DRILL

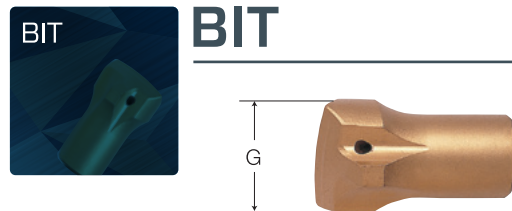
TYPE	SHANK SIZE (HXR)	OVERALL LENGTH (L)
22HS	7/8×3-1/4	0.3, 0.4, 0.5, 0.6, 0.9, 1.0, 1.2, 1.5, 1.8, 2.0, 2.1, 2.4, 2.5, 2.7, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5
22HL	7/8×4-1/4	

TAPER ROD FOR ROTARY HAMMER

TYPE	SHANK SIZE (H)	OVERALL LENGTH (L)
15T	R3/4•5/8H	0.25, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1
19T	R3/4•5/8H	0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0

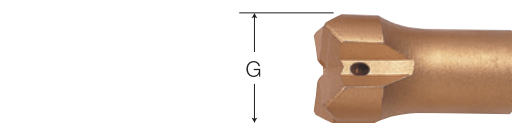
BIT

BIT



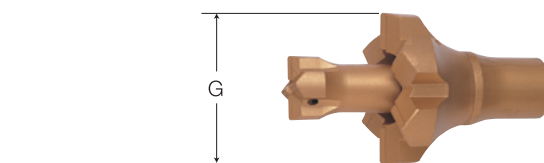
CARR BIT(TAPER ROD TYPE)

TYPE	G SIZE (mm)	AVAILABLE TAPER ROD
TC-22	28,30,32,34,36,38,40,42,44,46,48	22HS,22HL



CROSS BIT(TAPER ROD TYPE)

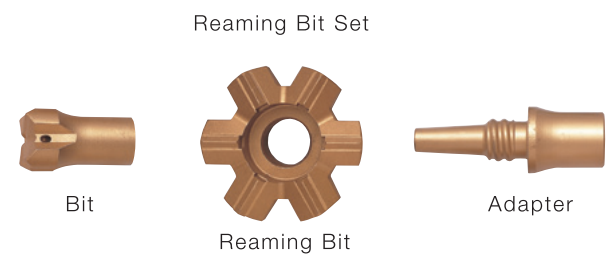
TYPE	G SIZE (mm)	AVAILABLE TAPER ROD
TX-22	28,30,32,34,36,38,40,42,44,46,48,50,55,60,65	22HS,22HL



REAMING BIT SET

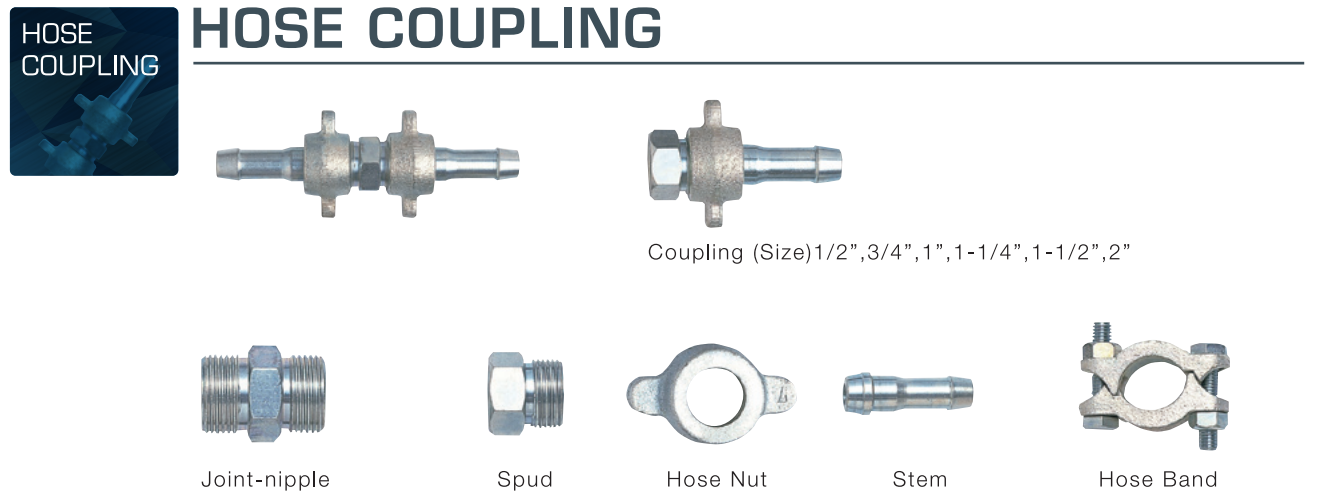
TYPE	G SIZE (mm)	AVAILABLE TAPER ROD
TXW-	60,70,80,90,100,110,120,130,150	22HS,22HL

NOTE:FOR 130 AND 150 , SPECIAL ROD SHOULD BE USED.



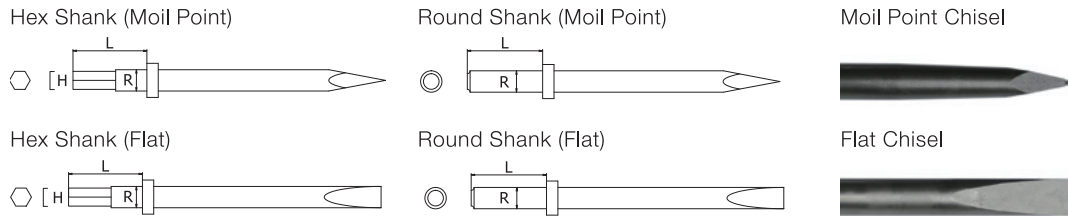
HOSE
COUPLING

HOSE COUPLING



CHISEL

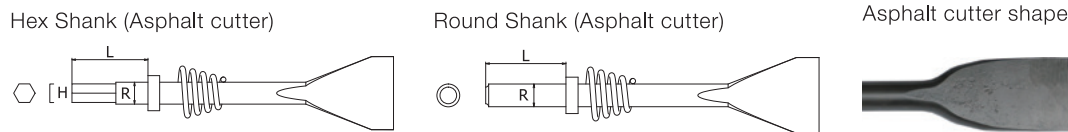
CHISEL



Model	SHANK SIZE	Hex (H) Refer to the above Illustration	Round (R) Refer to the above Illustration	Length (L) Refer to the above Illustration	Full Length mm	Shape
TCA-7 , TCB-130B	R26 × 80mm	—	26mm	80mm	400, 450, 600, 800, 1000, 1200, 1500, 1800, 2000, 2500, 3000, 3500	Moil Point Chisel Flat Chisel
TCB-200	R30 × 87mm	—	30mm	87mm	400, 450, 600, 800, 1000, 1200, 1500, 1800, 2000, 2500, 3000, 3500	Moil Point Chisel Flat Chisel
TCB-300	R35 × 87mm	—	35mm	87mm	465, 600, 800, 1000	Moil Point Chisel Flat Chisel
TCD-20 , TCD-30 TRC-30 , TPB-30	7/8"HEX × 3-1/4"	7/8"Hex (22.22mm)	—	3-1/4" (82.55mm)	450, 600	Moil Point Chisel Flat Chisel
TCD-30 , TRC-30, TPB-30 , TPB-40, TPB-40SV	1"HEX × 4-1/4"	1"Hex (25.4mm)	—	4-1/4" (107.95mm)	450, 600	Moil Point Chisel Flat Chisel
TPB-501SV, TPB-60 , TPB-73, TPB-90	1-1/8"HEX × 6" Or 1-1/4"HEX × 6"	1-1/8"Hex (28.575mm) Or 1-1/4"Hex (31.75mm)	—	6" (152.4mm)	530, 600(Only Moil Point)	Moil Point Chisel Flat Chisel
AA-0B	R15 × 53L Or (R15) × 12.7(H) × 53L	12.7mm(Hex)	15mm	53mm	220	Moil Point Chisel Flat Chisel
AA-1.3B , AA-3B, TYC-6B , THA-2B, THA-3B , THA-4B(s), TCH-3 , TCH-4,	R17.45× 60L Or (R17.45) × 14.75(H) × 60L	14.75mm(Hex)	17.45mm	60mm	250, 300, 350, 400, 450, 500, 600, 800, 1000, 1500, 2000, 2500, 3000, 3500	Moil Point Chisel Flat Chisel

ASPHALT CUTTER

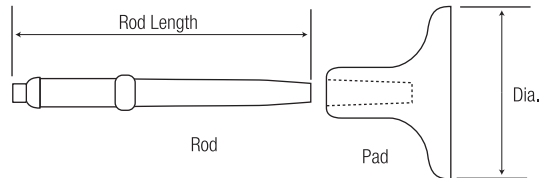
ASPHALT CUTTER



Model	SHANK SIZE	Hex (H) Refer to the above Illustration	Round (R) Refer to the above Illustration	Length (L) Refer to the above Illustration	Full Length mm	Shape
TCA-7 , TCB-130B	R26 × 80mm	—	26mm	80mm	450	75mm
TCB-200	R30 × 87mm	—	30mm	87mm	450	75mm
TCB-300	R35 × 87mm	—	35mm	87mm	460	80mm
TCD-30 , TRC-30, TPB-30 , TPB-40, TPB-40SV	1"HEX × 4-1/4"	1"Hex (25.4mm)	—	4-1/4" (107.95mm)	450	75mm
TPB-501SV, TPB-60 , TPB-73, TPB-90	1-1/4"HEX × 6"	1-1/4"Hex (31.75mm)	—	6" (152.4mm)	540	75mm
AA-0B	R15 × 53L Or (R15) × 12.7(H) × 53L	12.7mm(Hex)	15mm	53mm	220	50mm
AA-1.3B , AA-3B, TYC-6B , THA-2B, THA-3B , THA-4B(s), TCH-3 , TCH-4	R17.45× 60L Or (R17.45) × 14.75(H) × 60L	14.75mm(Hex)	17.45mm	60mm	300	50mm

TAMPING ROD AND PAD

TAMPING ROD AND PAD



DESCRIPTION	PART NO.	ROD LENGTH	DIA	AVAILABLE TOOL
R30X87	CBPR30	355	125, 180, 200	TCB-200
R35X87	CBPR35	355	125, 180, 200	TCB-300
1-1/4HX6	PBPR32	355	125, 180, 200	TPB-60(1-1/4) TPB-73(1-1/4) TPB-90(1-1/4)

OPERATION AND MAINTENANCE INSTRUCTIONS FOR AIR TOOLS

Air tool is greatly affected for its durability, performance and work efficiency by the way of operation and maintenance. The following instructions should carefully be obeyed in order to maintain the performance of new tool.

Air Compressor

Air tool is designed to be operated at dynamic air pressure of 5-7 kg/cm² on the pressure gauge. During operation, the air consumption is shown in the specifications for each tool. Thus the air distribution volume of an air-compressor should be larger than the total air-consumption of the tools under simultaneous use. Preferably, the air distribution volume should be 20% more than total air consumption. This is due to the loss of air and decrease in air pressure through piping. In general, the compressor to be installed to distribute 1m³ /min should have 10HP engine. The lack of air volume results in a decrease of performance for air tool. The air compressor, therefore, should have some allowance in capacity.

Lubrication

Lubrication is very important for air tool operation. All Toku air tool is tested before delivery. However, if a defective situation or poor performance is experienced, please be sure to clean off the air tool oil by washing oil or putting a small volume of the lubricant(shown below) in the tool. Restart at slow speed gradually. Recommended lubricants and instruction for lubrication is mentioned below.

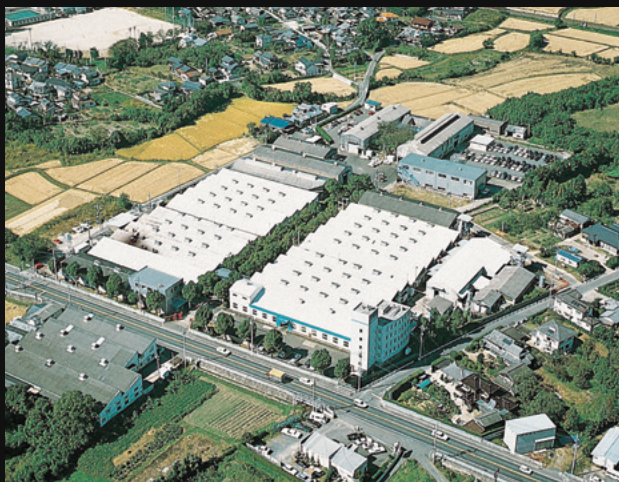
Type of tools	Places to be lubricated	Recommended oil	Method of lubrication	Volume of lubricant and Frequency to lubricate	Oil inlet
Concrete Breaker and other Hammers	moving surface of valve and piston etc	Turbine oil (ISOVG-46 or equivalent)	Line oiler or by hand	3cc more than twice a day (by hand)	oil plug or air inlet
Rock-Drill and Rotary Hammers		Rock-drill oil below 15°C:No.32 15-25°C:No.100 above 25°C:No.150	Line oiler	3cc/min by line oiler	

Dust-Proof and Anti-Corrosion

Even a little dust or moisture will affect an air tool to stop operation in some cases. Thus, an air-filter(Drain separator)and lubricator should always be equipped in the piping and also the oil in the lubricator should be checked.

Maintenance and Periodical inspection

Air tool parts are precision machined items. Throwing, dropping or rough handling is strictly prohibited. Periodical inspection will increase the durability performance and efficiency of the air tool. Check air line frequently making sure clean air is being sent to the tool.



Main Plant



Minobaru Plant



Hirokawa Plant



Kishima Plant



Kiyama Plant



Yamada Plant

TOKU PNEUMATIC CO., LTD.

3-4, 4Chome, Katakasu, Hakata-ku, Fukuoka, 812-0043, Japan

Phone : +81-92-431-0401

Fax : +81-92-431-1014

E-mail : int-op@toku-net.co.jp

URL : www.toku-net.co.jp/en/



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