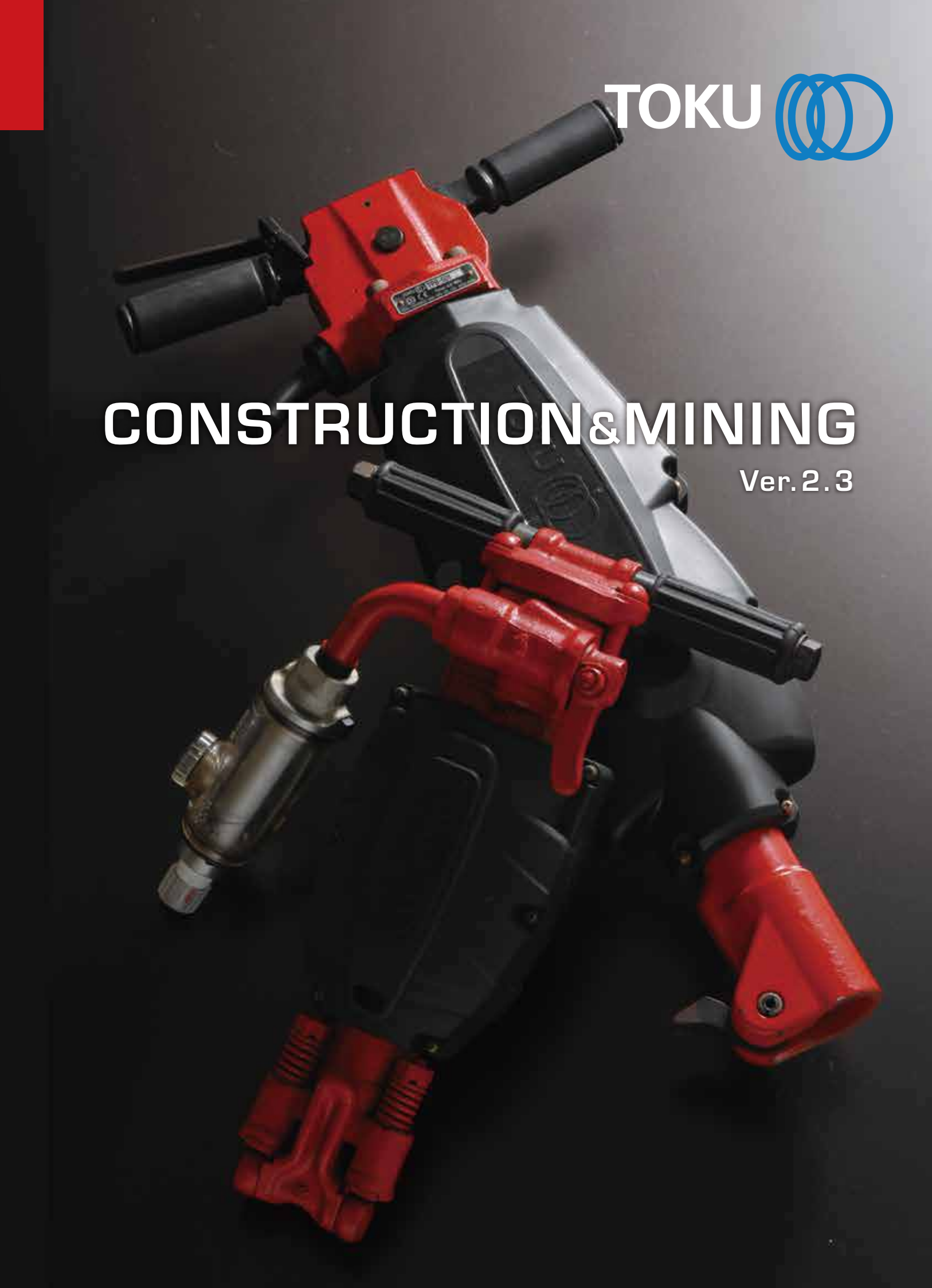
TOKU

CONSTRUCTION&MINING

Ver.2.3





PICK HAMMER

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



TCB BREAKER

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



TCA-7



TCB-130B



TCB-200



TCB-300

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



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.





OPTIONAL MUFFLER

TCD-20



TCD-30



TRC-30

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT kg	NET WEIGHT lb	OVERALL LENGTH mm	AIR CONSUMPTION m^3/min	AIR CONSUMPTION c.f.m.	HOSE SIZE mm	SHANK SIZE ROUND OR HEX	AIR INLET SIZE PT
TCD-20	42.85	60	2,000	10	22	520	1.1	38.8	12.7	7/8×3-1/4	1/2
TCD-30	44.45	85	1,550	13.6	30	577	1.4	49.4	12.7	7/8×3-1/4 or 1×4-1/4	1/2
TRC-30	44.45	85	1,550	16.3	36	736	1.4	49.4	12.7	7/8×3-1/4 or 1×4-1/4	1/2



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.



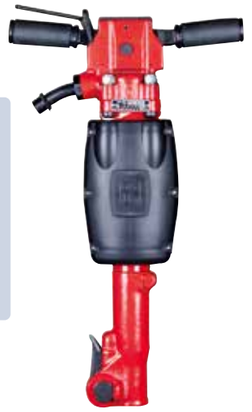
TPB-30





OPTIONAL MUFFLER

TPB-40



TPB-40SV



TPB-501SV



OPTIONAL MUFFLER

TPB-60





OPTIONAL MUFFLER

TPB-73



TPB-90

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



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.



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	NET WEIGHT lb	OVERALL LENGTH mm	AIR CONSUMPTION m³/min	AIR CONSUMPTION 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	R15/12H×53	3/8
AA-1.3B	24	58	2,800	4.5	9.9	320	0.45	15.9	12.7	R18/15H×60	3/8
AA-3B	28	79	2,400	5.8	13.9	330	0.45	15.9	12.7	R18/15H×60	3/8
TYC-6B	28.54	75	1,800	6.7	14.8	430	0.8	28.2	12.7	R18/15H×60	3/8



CHIPPING HAMMER

- Available in 1"to 4"stroke for wide selection to suit variety of applications.
- Replacebale 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	NET WEIGHT lb	OVERALL LENGTH mm	AIR CONSUMPTION m³/min	AIR CONSUMPTION 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	R18/15H×60	3/8
THA-3B	28.54	64	2,200	6.8	15	450	0.9	31.8	12.7	R18/15H×60	3/8
THA-4B(S)	28.54	102	1,800	7	16.1	480	0.95	33.5	12.7	R18/15H×60	3/8
TCH-3	28.54	63.5	2,200	8.6	19	406	0.89	31.5	12.7	R18/15H×60	3/8
TCH-4	28.54	101.6	1,800	9	20	432	0.95	33	12.7	R18/15H×60	3/8



SINKER ROCK DRILL

- Multiposition throttle for smooth start up in drilling.
- Well balanced body for efficient operation.
- Each component is carefully heat treated to maxiumize 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	NET WEIGHT lb	OVERALL LENGTH mm	AIR CONSUMPTION m³/min	AIR CONSUMPTION 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

- 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



TH5-S

- INSERT BIT



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

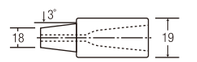
SIZE G	SHANK SIZE	OVERALL LENGTH
18	R 3/4•5/8H	280, 400, 500, 600, 700
19	R 3/4•5/8H	300, 400, 500, 600, 700
20	R 3/4•5/8H	280, 400, 500, 600, 700
21.5	R 3/4•5/8H	300
22	R 3/4•5/8H	280, 400, 500, 600, 700

- 15T TAPER ROD



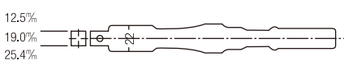
- 19T TAPER ROD





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	NET WEIGHT lb	OVERALL LENGTH mm	AIR CONSUMPTION m³/min	AIR CONSUMPTION 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-1N



TB-00G TB-0G

MODEL	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT kg	NET WEIGHT lb	OVERALL LENGTH mm	BUTT DIAMETER mm	AIR CONSUMPTION m³/min	AIR CONSUMPTION 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
TB-1N	25.4	100	800	5.4	11.9	510	67	0.7	22.4	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



TAA-400



Water swivel



Air swivel complete



Wet shank



Dry shank

Spiral rod (Thread type)



Rod size 500, 1000, 1200, 1500mm



Bit (Thread type)
Gauge size
42, 48, 50, 55, 65mm

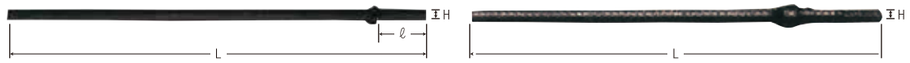


Rod connection

MODEL	PUT OUT mm	SPEED AT NO LOAD r.p.m	SPEED AT LOAD r.p.m	NET WEIGHT kg	NET WEIGHT lb	OVERALL LENGTH mm	AIR CONSUMPTION m³/min	AIR CONSUMPTION 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

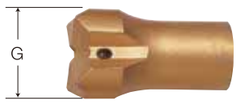
BIT

BIT



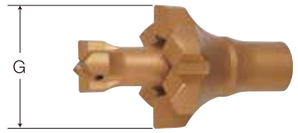
CARR BIT(TAPER ROD TYPE)

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

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.



Bit



Reaming Bit



Adapter

HOSE COUPLING

HOSE COUPLING





Coupling (Size)1/2",3/4",1",1-1/4",1-1/2",2"



Joint-nipple



Spud



Hose Nut



Stem



Hose Band

CHISEL



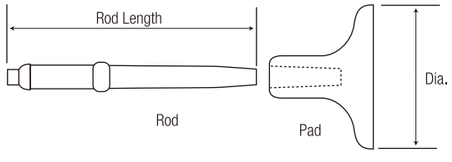


MOIL POINT CHISEL

FLAT CHISEL

DESCRIPTION	SHANK SIZE	PART NO.	OVERALL LENGTH	AVAILABLE TOOL
MOIL POINT	R26X80	CAMR26	400, 450, 600	TCA-7,TCB-130
FLAT	R26X80	CAFR26		
MOIL POINT	R30X87	CBMR30	400, 450, 600	TCB-200
FLAT	R30X87	CBFR30		
MOIL POINT	R35X87	CBMR35	460, 600, 800	TCB-300
FLAT	R35X87	CBFR35		
MOIL POINT	12HX53	AAMH12	220, 250	AA-0B(H)
FLAT	12HX53	AAFH12		
MOIL POINT	R15X53	AAMR15	220, 250	AA-0B(R)
FLAT	R15X53	AAFR15		
MOIL POINT	15HX60	AAMH15	250, 300, 350, 400, 500	AA-1.3B(H)/AA-3B(H)/TYC-6B(H)/THA SERIES(H)
FLAT	15HX60	AAFH15		
MOIL POINT	R18X60	AAMR18	250, 300, 350, 400, 500	AA-1.3B(R)/AA-3B(R)/TYC-6B(R)/THA SERIES(R)
FLAT	R18X60	AAFR18		
MOIL POINT	7/8X3-1/4	PBMH22	450, 600	TCD-20/30(7/8) TRC-30(7/8) TPB-30(7/8)
FLAT	7/8X3-1/4	PBFH22		
MOIL POINT	1X4-1/4	PBMH25	450, 600	TCD-30(1) TRC-30(1) TPB-30(1) TPB-40
FLAT	1X4-1/4	PBFH25		
MOIL POINT	1-1/8X6	PBMH28	540, 600	TPB-60(1-1/8) TPB-73(1-1/8) TPB-90(1-1/8)
FLAT	1-1/8X6	PBFH28		
MOIL POINT	1-1/4X6	PBMH32	540, 600	TPB-60(1-1/4) TPB-73(1-1/4) TPB-90(1-1/4)
FLAT	1-1/4X6	PBFH32		

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)

ASPHALT CUTTER



DESCRIPTION	PART NO.	OVERALL LENGTH (WIDTH)	AVAILABLE TOOL
R26X80 WITH SPRING	CAAR26	450(75), 600(75)	TCA-7
15HX60 WITH SPRING	AAAH15	300(75)	AA-1.3B(H)/AA-3B(H)/TYC-6B(H)
R18X60 WITH SPRING	AAAR15	300(75)	AA-1.3B(R)/AA-3B(R)/TYC-6B(R)
1X4-1/4	PBAR25	450(70), 600(70)	TPB-30(1)/TPB-40
1-1/4X6	PBAR32	540(75), 600(75)	TPB-60(1-1/4) /TPB-73(1-1/4)/TPB-90(1-1/4)

NOTE : OTHER ACCESSORIES MAY BE SUPPLIED UPON YOUR REQUEST.

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℃:No.32 15-25℃:No.100 above 25℃: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



Kamimine Plant



Kishima Plant



Hirokawa 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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