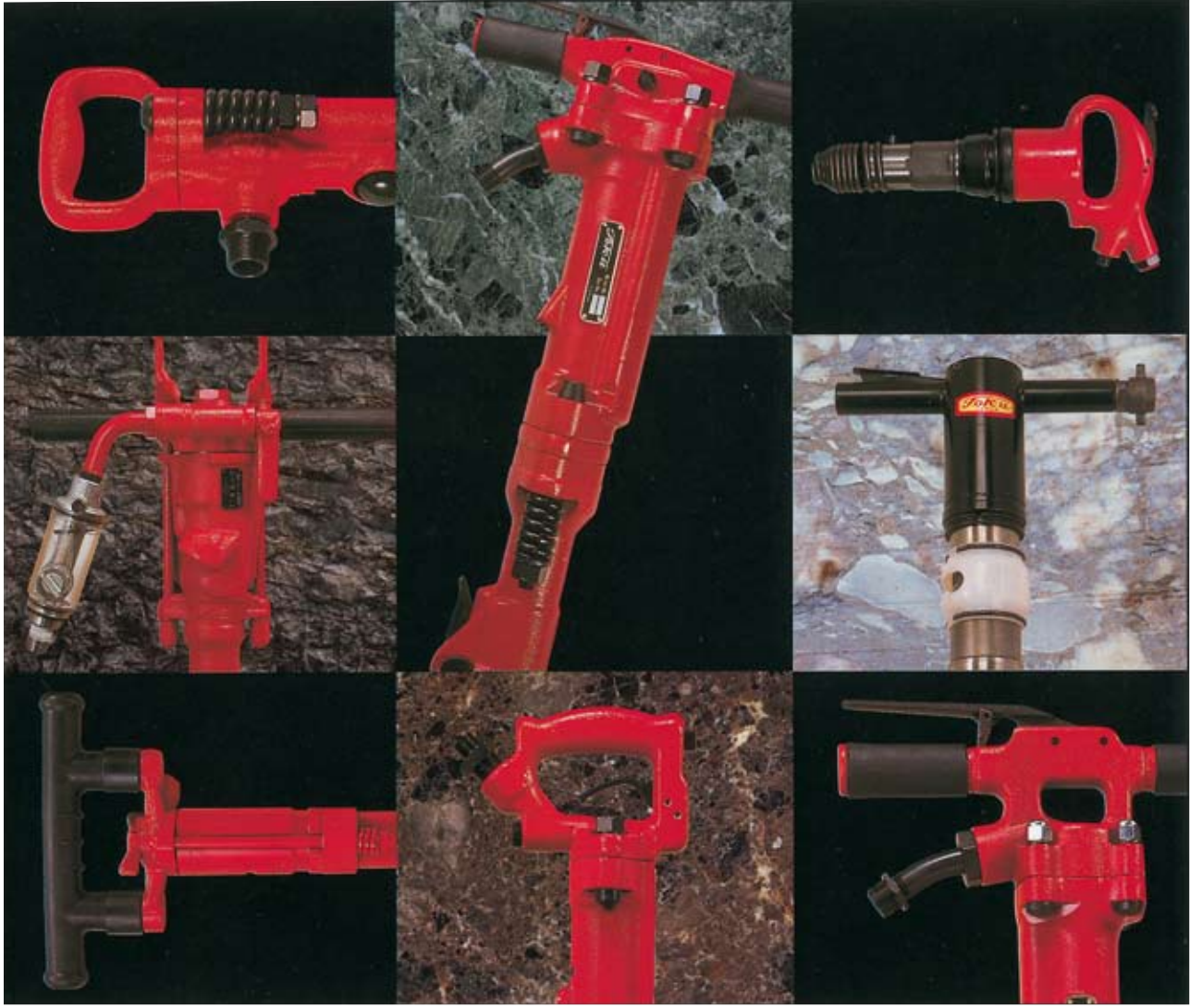


CONSTRUCTION & MINING



Version 1.00



TCA-7



TCB BREAKERS



- Light weight and easy to handle.
- Automatic throttle.
- Few parts; easy maintenance.
- Forged parts: durable.

- Simple structure, less maintenance, compact, light weight.



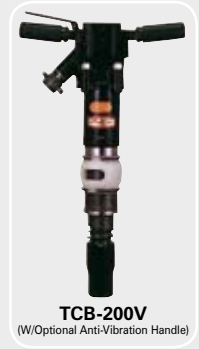
TCA-7



TCB-130



TCB-200



TCB-200V
(W/Optional Anti-Vibration Handle)



TCB-300

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT		OVERALL LENGTH mm	AIR CONSUMPTION		HOSE SIZE mm	SHANK SIZE	AIR INLET SIZE PT
				kg	lb		m ³ /min	c.f.m.			
TCA-7	35	120	1,250	7.2	15.8	465	1.0	35.3	19	R26X80	3/4
TCB-130	35	130	1,400	15	33.0	490	1.05	39.0	19	R26X80	1
TCB-200	40	165	1,100	21	46.2	556	1.4	49.4	19	R30X87	1
TCB-300	45	180	950	30	66.0	610	1.7	59.5	19	R35X87	1
TCB-200SV	40	166	1,050	21.4	47.1	638	1.4	49.4	19	R30X87	1

TRENCHER & CLAY DIGGER



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



TCD-20



TCD-30



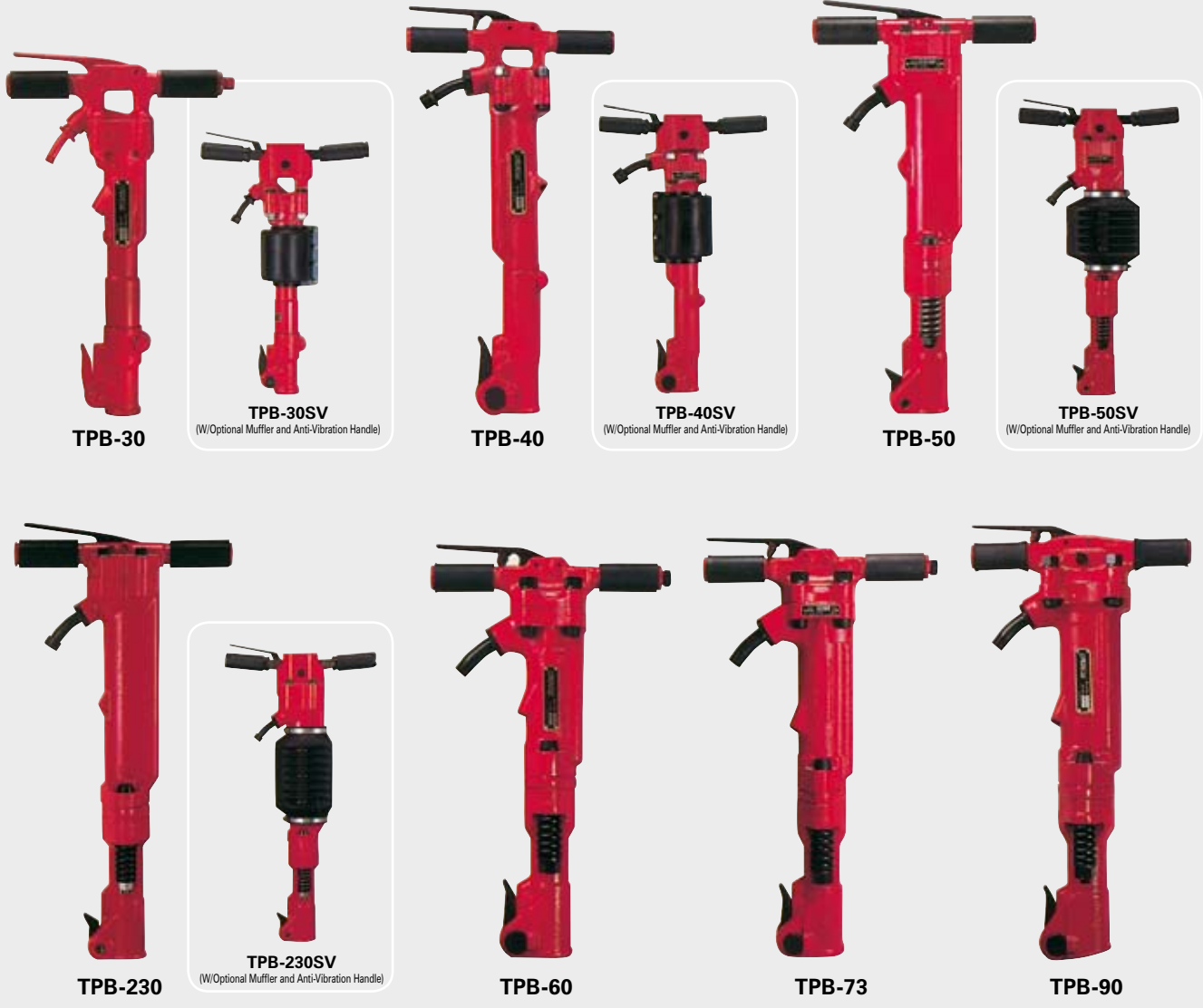
TRC-30

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT		OVERALL LENGTH mm	AIR CONSUMPTION		HOSE SIZE mm	SHANK SIZE	AIR INLET SIZE PT
				kg	lb		m ³ /min	c.f.m.			
TCD-20	42.85	60	2,000	10	22.0	520	1.1	38.0	12.7	7/8X3-1/4	1/2
TCD-30	44.45	85	1,550	13.6	30.0	559	1.4	49.0	12.7	7/8X3-1/4 or 1X4-1/4	1/2
TRC-30	44.45	85	1,550	16.3	36.0	736	1.4	49.0	12.7	7/8X3-1/4 or 1X4-1/4	1/2

TPB BREAKERS



- Alloy steel forgings: provide maximum durability.
- Four bolt back head design: stands up in rugged use.
- Quick change latch type forged retainer: simple change of chisel.
- Hex shank: possible to use asphalt cutters and spades.



STANDARD ON ALL BREAKERS
Available For

TPB-230(SV)

TPB-73
TPB-60
TPB-50

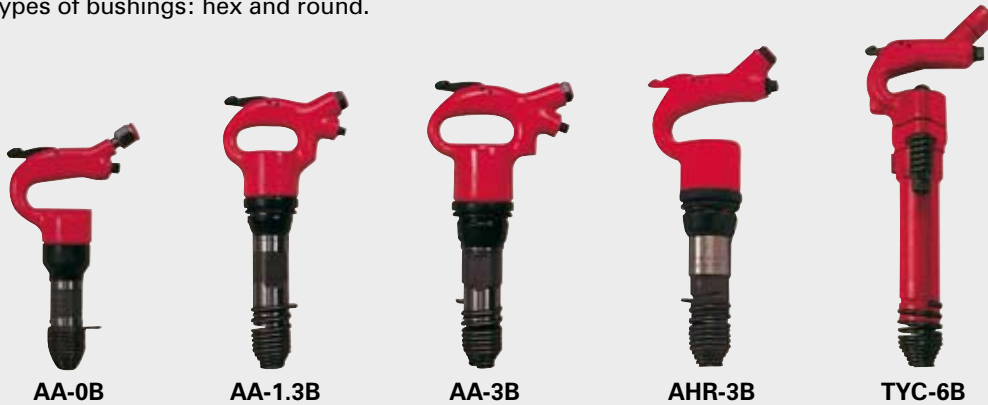
TPB-40
TBP-30
TCD-30
TCD-20

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT		OVERALL LENGTH mm	AIR CONSUMPTION		HOSE SIZE mm	SHANK SIZE	AIR INLET SIZE PT
				kg	lb		m ³ /min	c.f.m.			
TPB-30	44.45	85	1,550	15.0	33.0	564	1.4	49.0	12.7	7/8X3-1/4 or 1X4-1/4	1/2
TPB-40	44	146	900	18	39.6	660	1.6	56.0	19	1X4-1/4	3/4
TPB-50	50	156	1,050	22.1	48.6	642	1.4	49.0	19	1-1/8X6 or 1-1/4X6	3/4
TPB-230	50	186	900	27.7	61	748	1.4	49.0	19	1-1/8X6 or 1-1/4X6	3/4
TPB-60	57.15	100	1,400	30.0	66.0	645	2.0	70.0	19	1-1/8X6 or 1-1/4X6	3/4
TPB-73	57.15	144	1,200	31.0	69.7	690	1.8	63.0	19	1-1/4X6	3/4
TPB-90	66.67	152	1,250	42.0	92.4	723	2.2	77.0	19	1-1/8X6 or 1-1/4X6	3/4

AA SERIES



- Precision valve allows excellent control during air consumption. Operation and low.
- Durable quick change spring retainer.
- Replaceable bushing.
- 2 types of bushings: hex and round.



Available For
AA-1.3B • AA-3B • TYC6B

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT		OVERALL LENGTH mm	AIR CONSUMPTION		HOSE SIZE mm	SHANK SIZE ROUND OR HEX	AIR INLET SIZE PT
				kg	lb		m ³ /min	c.f.m.			
AA-0B	20	50	3,600	2.0	4.4	254	0.35	12.3	12.7	R15-12HX53	3/8
AA-1.3B	24	58	2,800	4.5	9.9	320	0.45	15.7	12.7	R18-15HX60	3/8
AA-3B	28	79	2,400	5.8	13.9	330	0.45	15.7	12.7	R18-15HX60	3/8
AHR-3B	28	79	2,400	5.8	13.9	350	0.45	15.7	12.7	R18-15HX60	3/8
TYC-6B	28.54	75	1,800	6.7	14.8	430	0.8	28.0	12.7	R18-15HX60	3/8

THH SERIES



- Available in 1"~4: stroke: wide selection to suit the job.
- Replaceable bushing.
- 2 types of bushing: hex and round types.
- 2 types of chisel retainers: steel and spring.

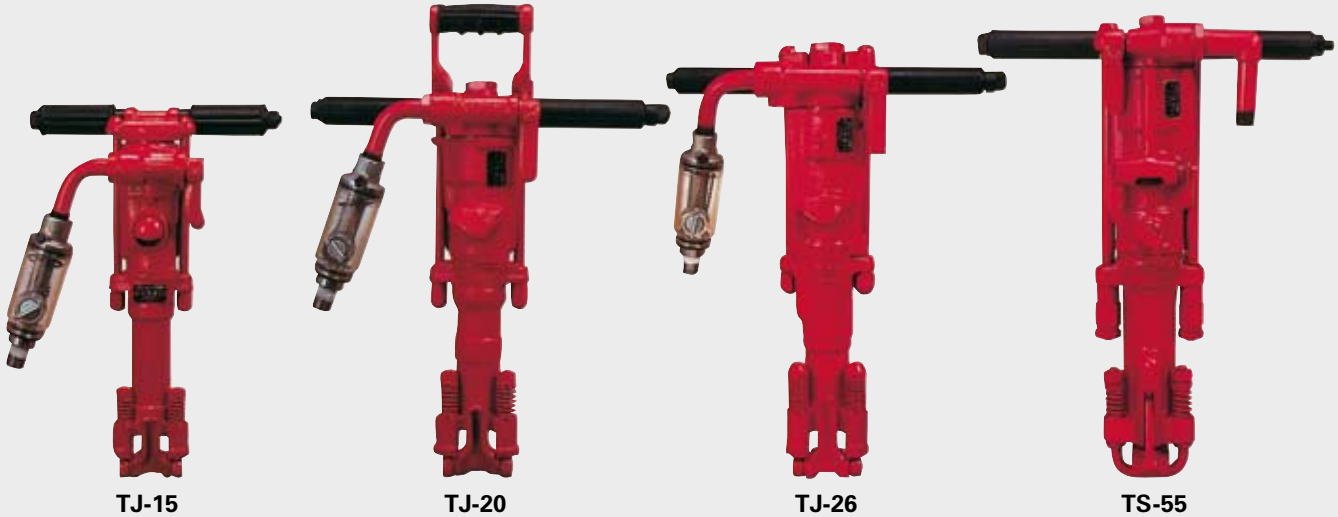


MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	NET WEIGHT		OVERALL LENGTH mm	AIR CONSUMPTION		HOSE SIZE mm	SHANK SIZE ROUND OR HEX	AIR INLET SIZE PT
				kg	lb		m ³ /min	c.f.m.			
THH-1S	28.54	25.4	2,500	5.9	13.0	388	0.79	28.0	12.7	R18-15HX60	3/8
THH-2S	28.54	51.0	2,300	6.2	13.6	413	0.85	29.75	12.7	R18-15HX60	3/8
THH-3S	28.54	64.0	2,200	6.8	15.0	450	0.90	3.5	12.7	R18-15HX60	3/8
THH-4S	28.54	102.0	1,800	7.0	16.1	480	0.95	33.25	12.7	R18-15HX60	3/8
THH-8S	28.54	75.0	1,900	9.0	19.8	422	0.90	3.5	12.7	R18-15HX60	3/8
THH-9S	28.54	114.0	1,500	10.0	22.0	470	0.95	33.25	12.7	R18-15HX60	3/8

SINKER ROCK DRILLS



- Forged steel components: durable.
- Multiposition throttle for smooth start up in drilling.
- Good balance: efficient operation.
- Each component has been carefully heat treated to maximize durability.
- Special anti-vibration handle for each model is optional.



MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	ROTARY SPEED r.p.m.	NET WEIGHT		OVERALL LENGTH mm	AIR CONSUMPTION		HOSE SIZE mm
					kg	lb		m ³ /min	c.f.m.	
TJ-15	54	45	2,450	250	14.0	30.8	468	1.6	56.0	19
TJ-20	68	49.0	2,400	200	18.5	40.7	610	2.5	87.5	19
TJ-26	70	70.0	1,850	200	26.0	57.3	680	2.7	94.5	19
TS-55	66.6	65.0	1,800	200	27.0	59.4	568	2.6	91.81	19

MODEL NO.	AVAILABLE SHANK SIZE	AVAILABLE BLOW TYPE
TJ-15	7/8X3-1/4, 7/8X4-1/4	DRY BLOW
TJ-20	7/8X3-1/4, 7/8X4-1/4	DRY AND WET BLOW
TJ-26	7/8X3-1/4, 7/8X4-1/4	DRY AND WET BLOW
TS-55	7/8X3-1/4, 7/8X4-1/4	DRY BLOW



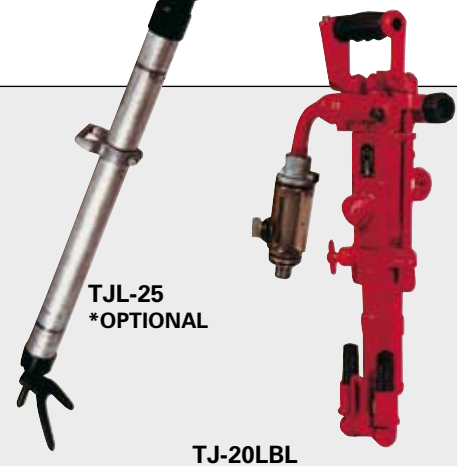
TJ-260LWL

LEG DRILLS



- The TJ leg drill series can be used for a wide variety of applications.
- Perfect leg / drill balance makes handling and operation simple and efficient. Reaction to the drill is minimal, reducing fatigue to the operator.
- The TJ leg drills are used in quarries, coal mines and for underground tunnel drilling.
- All parts are machined with precision, and heat treatment is performed with much care assuring the durability of these parts.

MODEL NO.	AVAILABLE SHANK SIZE	AVAILABLE BLOW TYPE	WATER HOSE SIZE mm	AVAILABLE LEG TYPE
TJ-20	7/8X3-1/4 or 7/8X4-1/4	DRY or WET	12.7	TJL-25
TJ-260	7/8X3-1/4 or 7/8X4-1/4	DRY or WET	12.7	TJL-25



TJL-25
*OPTIONAL

TJ-20LBL

MODEL NO.	PISTON DIAMETER mm	PISTON STROKE mm	BLOW PER MIN. b.p.m.	ROTARY SPEED r.p.m.	NET WEIGHT		OVERALL LENGTH mm	AIR CONSUMPTION		HOSE SIZE mm
					kg	lb		m ³ /min	c.f.m.	
TJ-20	68	49.0	2,400	200	18.5	40.7	610	2.5	87.5	19
TJ-260	70	70.0	1,850	200	26.0	57.3	680	2.7	94.5	19

ROTARY HAMMERS



- The Toku rotary-hammers are designed for a wide variety of construction and maintenance applications such as driving or setting masonry anchors and drilling holes in concrete or rock.
- The TH-5 series is designed with an anti-vibration handle to absorb the reaction which develops during a drilling operation.
- Several models are available to suit your job and preference.
- Available taper rod: 15T and 19T.
- Available insert bit.

- INSERT BIT
- 15T TAPER ROD
- 19T TAPER ROD
- SOCKET ADAPTOR
- 19X22 ADAPTOR



TH-5S



TH-5H

MODEL NO.	ROTARY SPEED	BLOW PER MIN.	NET WEIGHT		OVERALL LENGTH	AIR CONSUMPTION		HOSE SIZE	DRILLING CAPACITY	SHANK SIZE
	r.p.m.	b.p.m.	kg	lb	mm	m ³ /min	c.f.m.	mm	mm	
TH-5S	420	3,400	5.8	12.76	425	0.85	29.8	12.7	22	R3/4 • 5/8H
TH-5H	420	3,400	5.8	12.76	425	0.85	29.8	12.7	22	R3/4 • 5/8H

TAMPERS



- 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

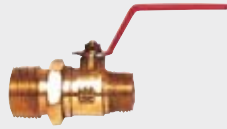
MODEL NO.	PISTON DIAMETER	PISTON STROKE	NO. OF STROKES S.P.M.	NET WEIGHT		OVERALL LENGTH	AIR CONSUMPTION		HOSE SIZE	AIR INLET SIZE
	mm	mm		kg	lb		m ³ /min	c.f.m.		
TB-00G	18	50	1,600	1.7	3.7	280	0.25	8.0	12.7	3/8
TB-0G	22	65	1,000	2.7	5.9	395	0.3	9.6	12.7	3/8
TB-1N	25.4	100	800	5.4	11.9	510	0.7	22.4	12.7	3/8
TF-1N	25.4	100	800	6.8	15.0	1,070	0.7	22.4	12.7	1/2
TF-2N	32	125	700	9.0	19.8	1,105	0.85	27.2	12.7	1/2
T-6	38	140	750	18.0	39.6	1,240	1.1	35.2	12.7	1/2

MANIFOLD COCK & BALL TYPE COCK

LINE OILER



Manifold Cock
(Size) 3/4", 1" X 3/4", 1", 1-1/4", 1-1/2", 2"



Ball Valve
(Size) 1" X 3/4"



LO-150N
Line Oiler

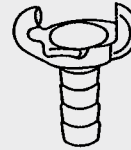
CLAW COUPLING



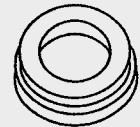
Female Pipe Thread
FT-3 : 3/8"
FT-4 : 1/2"
FT-6 : 3/4"



Male Pipe Thread
MT-3 : 3/8"
MT-4 : 1/2"
MT-6 : 3/4"



Air Hose End
HE-3 : 3/8"
HE-4 : 1/2"
HE-6 : 3/4"



Rubber Washer

CONNECTOR

PLUG (P)	SIZE	SOCKET (S)	SIZE
	PH-20: for 1/4" bore size PH-30: for 3/8" bore size PH-40: for 1/2" bore size		SH-20: for 1/4" bore size SH-30: for 3/8" bore size SH-40: for 1/2" bore size
	PM-20: Male thread plug for 1/4" pipe PM-30: Male thread plug for 3/8" pipe PM-40: Male thread plug for 1/2" pipe		SM-20: Male thread socket for 1/4" pipe SM-30: Male thread socket for 3/8" pipe SM-40: Male thread socket for 1/2" pipe
	PF-20: Female thread plug for 1/4" pipe PF-30: Female thread plug for 3/8" pipe PF-40: Female thread plug for 1/2" pipe		SF-20: Female thread socket for 1/4" pipe SF-30: Female thread socket for 3/8" pipe SF-40: Female thread socket for 1/2" pipe

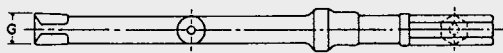
HOSE STEM AND THREAD BUSH



Thread Bush
Male and Female
thread size should
be specified

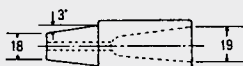
Hose Stem
Male thread &
Hose size should
be specified

BIT



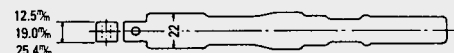
INSERT BIT FOR ROTARY HAMMER

SIZE G	SHANK SIZE	OVERALL LENGTH
13	R3/4 • 5/8H	250, 350
14	R3/4 • 5/8H	230, 250, 400
14.5	R3/4 • 5/8H	250, 300
15	R3/4 • 5/8H	300
16	R3/4 • 5/8H	250, 280, 400, 500, 600, 700
17.5	R3/4 • 5/8H	300



19X22 ADAPTOR FOR ROTARY HAMMER.
Bits for 22 taper rods can be used by 19 taper rods and this adaptor.

SIZE G	SHANK SIZE	OVERALL LENGTH
18	R3/4 • 5/8H	280, 400, 500, 600, 700
19	R3/4 • 5/8H	300, 400, 500, 600, 700
20	R3/4 • 5/8H	280, 400, 500, 600, 700
21.5	R3/4 • 5/8H	300
22	R3/4 • 5/8H	280, 400, 500, 600, 700



SOCKET ADAPTOR FOR ROTARY HAMMER.
Mounting chemical anchor.

CHISELS



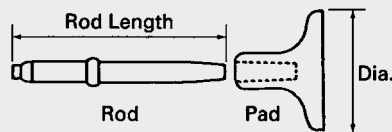
MOIL POINT CHISEL



FLAT CHISEL

DESCRIPTION	SHANK SIZE	PART NO.	OVERALL LENGTH	AVAILABLE TOOLS
MOIL POINT	R26X80	CAMR-26	400, 450, 600	TCA-7, TCB-130
FLAT	R26X80	CAFR-26		
MOIL POINT	R30X87	CBMR-30	400, 450, 600	TCB-200
FLAT	R30X87	CBFR-30		
MOIL POINT	R35X87	CBMR-35	460, 600, 800	TCB-300
FLAT	R35X87	CBFR-35		
MOIL POINT	12HX53	AAMH-12	220, 250	AA-0B(H)
FLAT	12HX53	AAFH-12		
MOIL POINT	R15X53	AAMR-15	220, 250	AA-0B(R)
FLAT	R15X53	AAFR-15		
MOIL POINT	15HX60	AAMH-15	250, 300, 350, 400, 500	AA-1.3B(H) / 3B(H) / 3(H) AHR-3B(H), TYC-6B(H) / 6(H) THH-1B(H) / 2B(H) / 3B(H) / 4B(H)
FLAT	R26X80	AAFH-26		
MOIL POINT	R18X60	AAMR-18	250, 300, 350, 400, 500	AA-1.3B(R) / 3B(R) / 3(R) AHR-3B(R), TYC-6B(R) / 6(R) THH-1B(R) / 2B(R) / 3B(R) / 4B(R)
FLAT	R26X80	AAFR-18		
MOIL POINT	7/8X3-1/4	PBMR-22	450, 600	TCD-20 / 30(7/8) TRC-30(7/8) TPB-30(7/8)
FLAT	7/8X3-1/4	PBFR-22		
MOIL POINT	1X4-1/4	PBMR-25	450, 600	TCD-30(1) TRC-30(1) TPB-30(1) / 40(1)
FLAT	1X4-1/4	PBFR-25		
MOIL POINT	(ALL HEX)	PBMH-25		
FLAT	(ALL HEX)	PBFH-25		
MOIL POINT	1-1/8X6	PBMR-28	540, 600	TPB-60(1-1/8) / 90(1-1/8)
FLAT	1-1/8X6	PBFR-28		
MOIL POINT	(ALL HEX)	PBMH-28		
FLAT	(ALL HEX)	PBFH-28		
MOIL POINT	1-1/4X6	PBMR-32	540, 600	TPB-60(1-1/4) / 751 / 90(1-1/4)
FLAT	1-1/4X6	PBFR-32		
MOIL POINT	(ALL HEX)	PBMH-32		
FLAT	(ALL HEX)	PBFH-32		

TAMPING ROD AND PAD



SHANK SIZE	PART NO.	ROD LENGTH	DIA.	AVAILABLE TOOLS
R30X87	CBPR-30	355	125, 180, 200	TCB-200
R35X87	CBPR-35	355	125, 180, 200	TCB-300
1-1/4HX6	PBPR-32	355	125, 180, 200	TPB-60(1-1/4) / 751 / 90(1-1/4)

ASPHALT CUTTER



SHANK SIZE	PART NO.	OVERALL LENGTH (WIDTH)	AVAILABLE TOOLS
R26X80 WITH SPRING	CAAR-26	450 (75), 600 (75)	TCA-7
15HX60 WITH SPRING	AAAH-15	300 (75)	AA-1.3B(H) / 3B(H), AHR-3B(H) TYC-6B(H)
R18X60 WITH SPRING	AAAR-15	300 (75)	AA-1.3B(R) / 3B(R), AHR-3B(R) TYC-6B(R)
1HX4-1/4	PBAR-25	450 (70), 600 (70)	TPB-30(1)/40
1-1/4HX6	PBAR-32	540 (75), 600 (75)	TPB-60(1-1/4), 751, 90(1-1/4)

NOTE: OTHER ACCESSORIES MAY BE SUPPLIED UPON REQUEST.

Operation and Maintenance Instructions for Air Tools

Air tools are greatly affected concerning durability, performance and efficiency in the way of operation and maintenance. The following instructions should carefully be obeyed in order to maintain the performance of the new tool.

Air Compressor

An air tool is usually designed to be operated at an air pressure of 5-7kg/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 the total air consumption.

This is due to the loss of air and decrease in the air pressure through piping. In general, the compressor to be installed to distribute 1m³/min should have a 10 HP engine.

The lack of air volume will result in a decrease of performance for an Air Tool. The air compressor, therefore, should have some allowance in capacity.

Lubrication

Lubrication is very important for air tool operation. All air tools which are sold by Toku are tested before delivery. However, if an inoperable situation or poor performance is experienced, please be sure to clean off the anti-corrosive 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	Rock-drill oil below 15°C: No.32 15° — 25°C: No.100 above 25°C: No.150	Line oiler or by hand	3cc more than twice a day (by hand)	oil plug or air inlet
Rock-Drill and Hand hammer			Line oiler LO-150 should be used up in abt 1-1/4hrs.	2cc/min	

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.

Distributor:

Sole Importer:



Air & Allied Sales (Pacific) Pty Ltd
A.B.N. 49 106 053 258

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