

CONSTRUCTION & MINING

Ver.2.31



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.



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 lb | | OVERALL LENGTH mm | AIR CONSUMPTION m ³ /min 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

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.



TCD-20



OPTIONAL MUFFLER



TCD-30



TRC-30

| MODEL NO. | PISTON DIAMETER mm | PISTON STROKE mm | BLOW PER MIN. b.p.m. | NET WEIGHT kg lb | | OVERALL LENGTH mm | AIR CONSUMPTION m ³ /min 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

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.



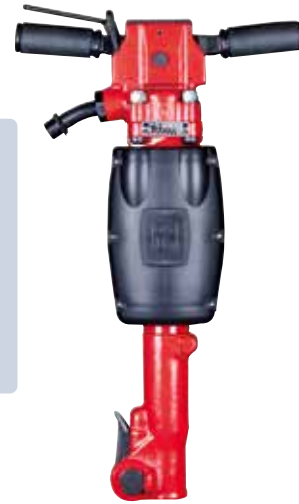
TPB-30



TPB-40



OPTIONAL MUFFLER



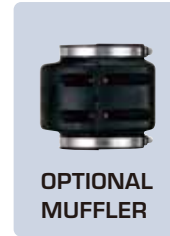
TPB-40SV



TPB-501SV



TPB-60



OPTIONAL MUFFLER



TPB-73



OPTIONAL MUFFLER



TPB-90

| MODEL NO. | PISTON DIAMETER mm | PISTON STROKE mm | BLOW PER MIN. b.p.m. | NET WEIGHT kg lb | | OVERALL LENGTH mm | AIR CONSUMPTION m ³ /min 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

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 | R15/12H×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

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 | 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

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



| 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 | | | |

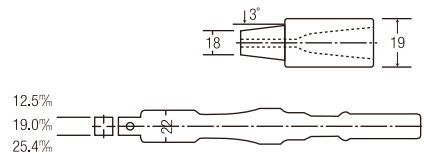
- 15T TAPER ROD



- 19T TAPER ROD



TH5-S



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

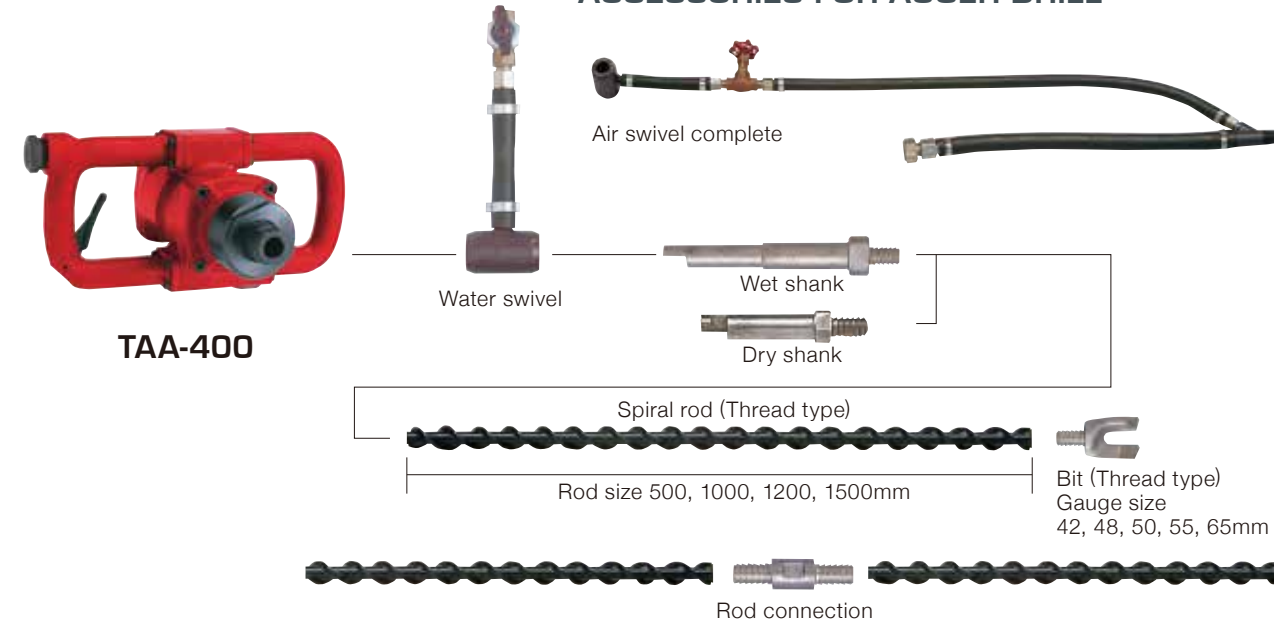
| MODEL | PISTON DIAMETER mm | PISTON STROKE mm | BLOW PER MIN. b.p.m. | NET WEIGHT kg lb | | OVERALL LENGTH mm | BUTT DIAMETER mm | AIR CONSUMPTION m ³ /min c.f.m. | | HOSE SIZE mm | AIR INLET SIZE PT |
|--------|-----------------------|---------------------|-------------------------|---------------------|------|----------------------|---------------------|---|------|-----------------|----------------------|
| 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.

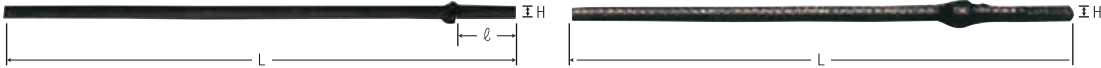
ACCESSORIES FOR AUGER DRILL



| 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 |

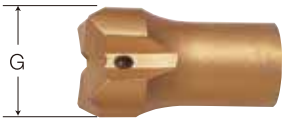
BIT

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.

Reaming Bit Set



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

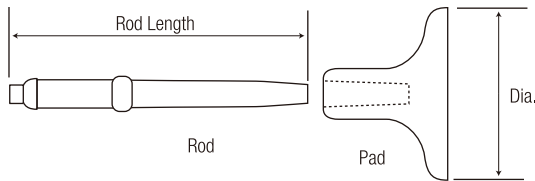


FLAT CHISEL

| 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-OB(H) |
| FLAT | 12HX53 | AAFH12 | | |
| MOIL POINT | R15X53 | AAMR15 | 220, 250 | AA-OB(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°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



Kamimine Plant



Kishima Plant



Hirokawa Plant



Kiyama Plant

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