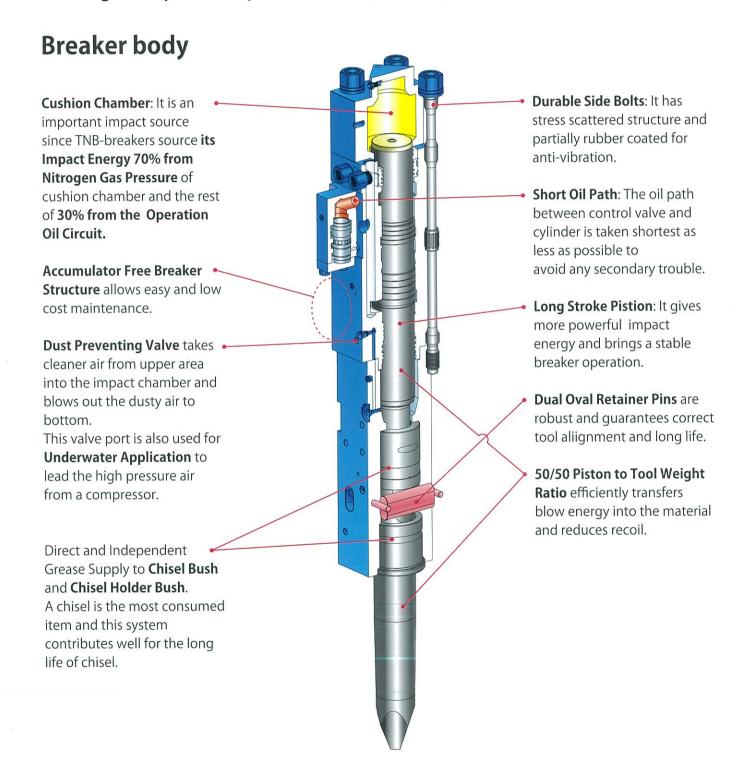
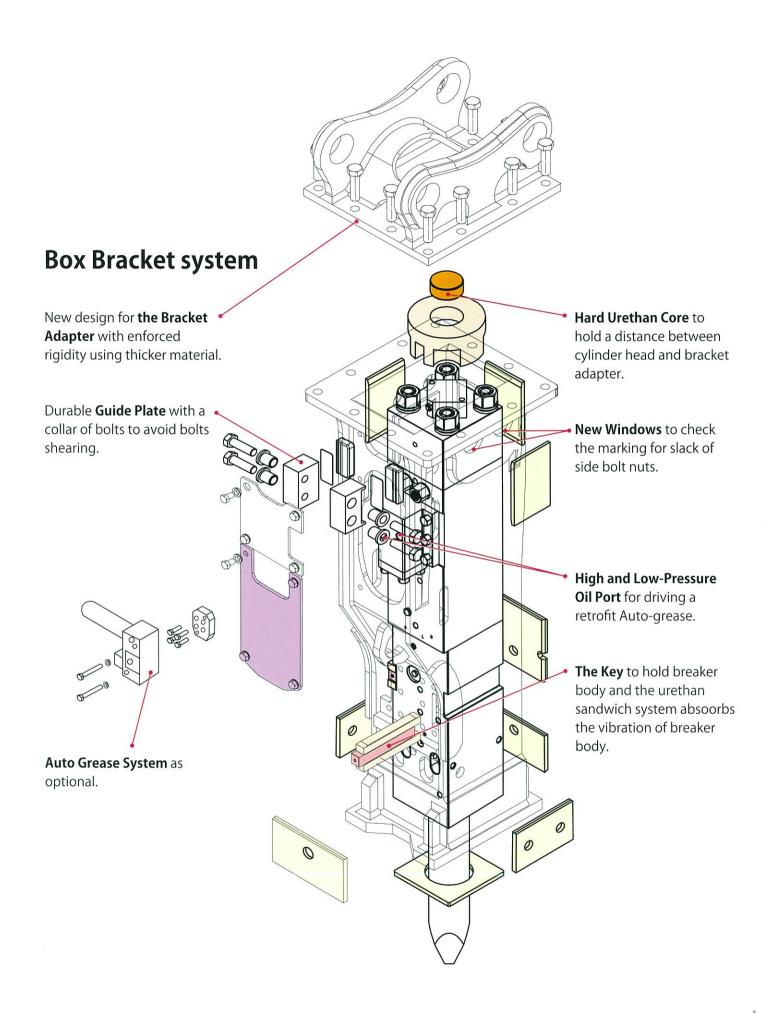


TNB-Hydraulic Breakers Features

- Advanced accumulator free technology enables simple structure yet efficient.
- Simple design allows less parts and realizes low running cost.
- Adaptable for wide range of oil pressure and flow.
- Auto grease system as optional. (TNB-7J, 151LU2, 30K, 40K and 400LU2)





All 15 Models line up

Mini range: 6 models



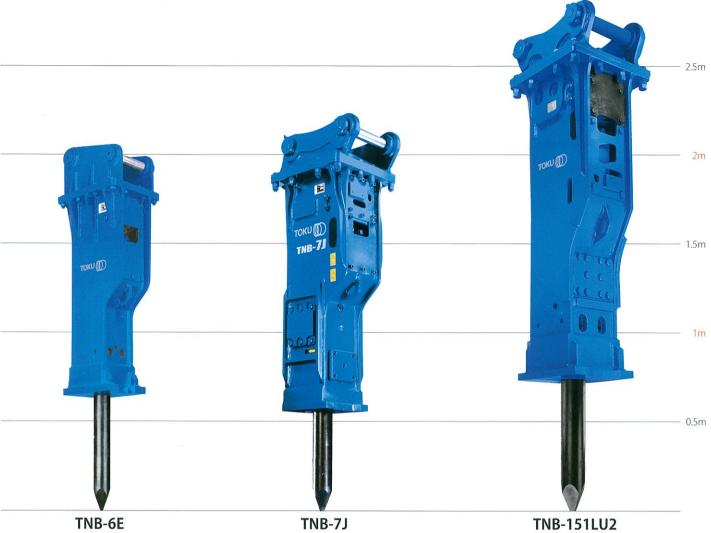
MODEL		TNB-08M	TNB-1M	TNB-2M	TNB-3MB	TNB-4M	TNB-5M
Impact rate	bpm	930-1300	700-1200	600-1150	550-1000	580-1060	550-1000
Tool diameter	mm	φ40	φ45	φ50	φ58	φ64	φ75
Working weight *1							
2pc top mount type	kg	75	100	140	210	255	315
Box case	kg	85	125	170	250	340	400
Oil flow	L/min	18-25	20-30	20-35	25-45	30-55	35-60
Operating pressure	MPa	6-13	7-14	8-15	10-15	10-16	10-16
Hose I.D.	Inch	3/8	1/2	1/2	1/2	1/2	1/2
Gas pressure *2	MPa	0.8	0.8	0.8	0.8	0.8	0.8
Carrier range	ton	0.7-1.5	1-2	1.5-2.5	2.4-4	3-4.5	3.8-6

NOTE

^{*1)} Working weight does not include bracket bushings and bracket pins.

^{*2)} When the breaker body temperature is 40 °C (104 ° F) .

Medium range: 5 models

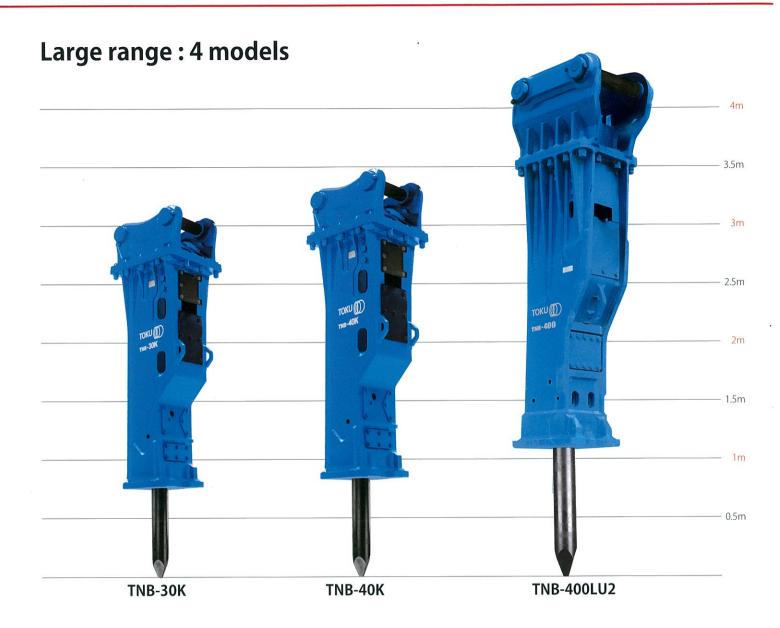


opm	600-1050						
		550-1000	450-720	430-600	450-630		
mm	φ75	φ95	φ105	φ115	φ135		
Working weight *1							
kg	350	465	-	-	-		
kg	440	585	950	1240	1800		
/min	40-70	45-80	80-120	100-140	160-200		
MPa	10-16	10-16	14-18	12-17	14-18		
Inch	3/4	3/4	3/4	1"	1"		
MPa	1	0.8	0.9	0.8	1.1		
ton	5.5-8	6-11	8-14	14-20	18-25		
/ N	kg /min MPa nch MPa	kg 440 (min 40-70 MPa 10-16 nch 3/4 MPa 1	kg 440 585 (min 40-70 45-80 MPa 10-16 10-16 nch 3/4 3/4 MPa 1 0.8	kg 440 585 950 (min 40-70 45-80 80-120 MPa 10-16 10-16 14-18 nch 3/4 3/4 3/4 MPa 1 0.8 0.9	kg 440 585 950 1240 min 40-70 45-80 80-120 100-140 MPa 10-16 10-16 14-18 12-17 nch 3/4 3/4 3/4 1" MPa 1 0.8 0.9 0.8		

NOTE

^{*1)} Working weight does not include bracket bushings and bracket pins.

^{*2)} When the breaker body temperature is 40 $^{\circ}$ C (104 $^{\circ}$ F).



MODEL		TNB-190LU2	TNB-30K	TNB-40K	TNB-400LU2
Impact rate	bpm	370-490	350-450	290-440	310-470
Tool diameter	mm	φ140	φ155	φ170	φ 178
Working weight *1					
Box case	kg	2250	2880	3900	5100
Oil flow	L/min	160-210	180-230	240-300	280-390
Operating pressure	MPa	14-18	13-18	14-18	14-18
Hose I.D.	Inch	1"	1"	1" -1" 1/4	1" -1/4
Gas pressure *2	MPa	0.8	0.95	1.0	0.8
Carrier range	ton	20-30	27-40	.40-53	45-70

NOTE)

^{*1)} Working weight does not include bracket bushings and bracket pins.

^{*2)} When the breaker body temperature is 40 °C (104 ° F) .

Auto Grease System (Option)



Saving time for greasing!

About TOKU Auto Grease System

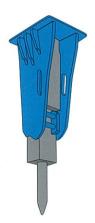
-Utilizing hydraulic high-pressure oil from base machine, TOKU Auto Grease System automatically supplies appropriate amount of grease to hydraulic breakers during breaker operation.

Reducing the running cost of hydraulic breakers!

Benefit of TOKU Auto Grease System

-By supplying appropriate grease to the breaker all the time during breaker operation, the wear of most consumable parts such as chisel bushing and retainer pins could be minimized, which extends lifetime of spare parts and reduces hydraulic breakers running cost.

Bracket type:



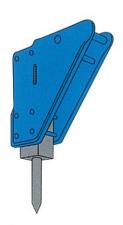
2 pc open box type

- ●Available for TNB-08M~TNB-6E
- Light weight type
- •Easy maintenance



Box (silenced) type

- Available for all models
- •Suitable for work in residential area



Side mount type

- ●Available for TNB-08M~TNB-30K
- Easy handling

Tool selection:

Туре	Purpose	Application	Shape		
Moil point	Largely breaking	Reinforced concrete rock bed			
Flat	Wedge action	Trenching and slope finishing			
Flat end	Large stone into small	Boulders and concrete			

[&]quot;Long type tools are available as option"