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T&H

TECHNOLOGY & HAMMER



Breaking innovation, Getting more Benefits.

T&H hydraulic attachments best solutions get the job done.

Valued Customers

T & H has become a leading manufacturer in field of construction equipments producing boom mounted Hydraulic Breaker and Hydraulic Vibratory Hammer introduces a new generation and the best solutions of Hydraulic attachments.

T & H exports its products to mainly Central Asia and other more 50 countries such as America, India, Malaysia, Hong Kong, Thailand etc.

And especially in Central Asia markets, our products enjoy reputation as a brand of the highest value.

Our supplying of products in various articles and excellent quality has given the trustworthiness and recognition from our customers and also competitive quality and best delivery is our company's unique and outstanding merit not able to be compared with other's.

We are devoting ourselves to provide you high quality products and prompt service and developing new technology focus on the realization of customer's satisfaction by manufacturing good products, which made it possible to acquire high reputation from worldwide clients and to be best company in the 21st century.

Our technical engineering and stringent quality control and more than 20 years combination of various construction field experiences in Hydraulic Attachments help ensure long products life with consistent high quality output.

We are always thinking of customer side.

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Breaking innovation, Getting more Benefits.

Hydraulic Quick Coupler **L series**



 **T&H CORPORATION**
(주) 티앤에치코퍼레이션

Hydraulic Compactor / Drivers **V series**



 **T&H CORPORATION**
(주) 티앤에치코퍼레이션

Hydraulic Drum Cutter **TDC series**



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Hydraulic Magnet **HyMags**



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Hydraulic Hammers **T&H series**



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Hydraulic Crusher / Shear **CS series**



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Hydraulic Ripper **VIBRICS**



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Hydraulic Grapppler **TG series**



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Hydraulic Breaker **T&H SERIES**

T&H boom mounted hydraulic breakers have been used for several construction projects worldwide for wide range of applications such as foundation, mining, quarry and demolitions even in very tough conditions. The operating system is combined with compressed nitrogen gas to maximize power output and minimize built parts which makes service & maintenance easy.

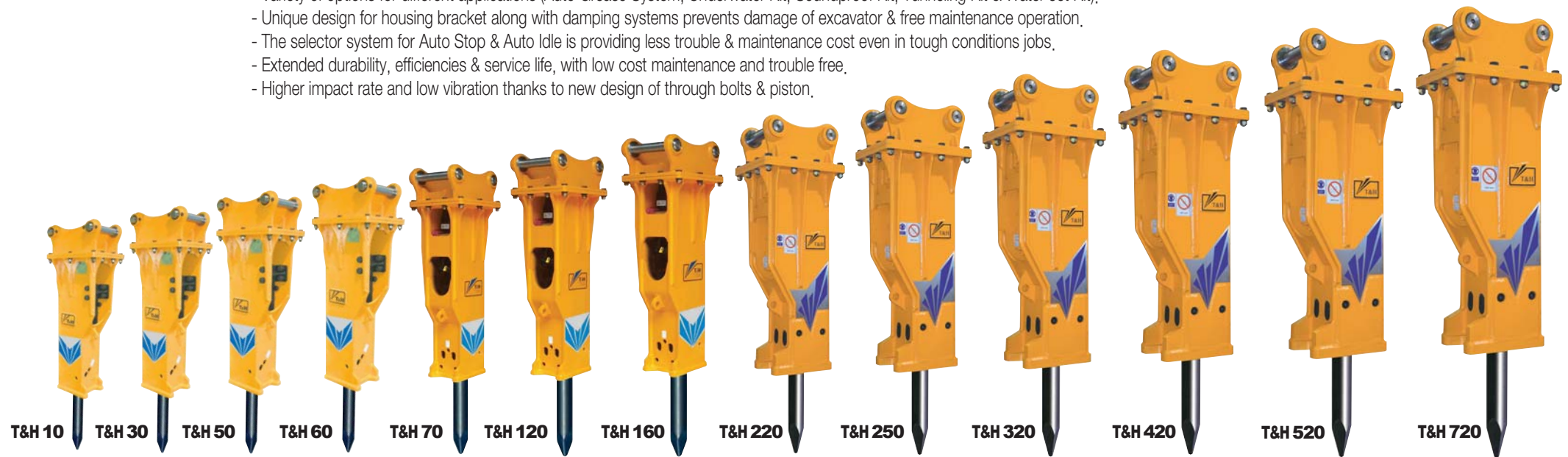


T&H hydraulic breakers have 13 ranges of operating weight from 100kg to 7,000kg suitable for base machines up to 90 tons such as Skid Steer Loaders, Backhoe Loaders & Excavators.

- Air intake system offers long service life for major consumable parts such as bushings & retaining pins due to proper lubrication & air cooling during operation.
- Variety of options for different applications (Auto Grease System, Underwater Kit, Soundproof Kit, Tunneling Kit & Water Jet Kit).
- Unique design for housing bracket along with damping systems prevents damage of excavator & free maintenance operation.
- The selector system for Auto Stop & Auto Idle is providing less trouble & maintenance cost even in tough conditions jobs.
- Extended durability, efficiencies & service life, with low cost maintenance and trouble free.
- Higher impact rate and low vibration thanks to new design of through bolts & piston.



**T&H 30SL
T&H 50SL**



T&H 10 T&H 30 T&H 50 T&H 60 T&H 70 T&H 120 T&H 160 T&H 220 T&H 250 T&H 320 T&H 420 T&H 520 T&H 720

Specification

Descriptions		T&H10	T&H30	T&H50	T&H60	T&H70	T&H120	T&H160	T&H220	T&H250	T&H320	T&H420	T&H520	T&H720
Operating Weight (including tool+mounting bracket)	kg	120	178	306	450	595	920	1,260	1,750	1,880	2,460	3,050	4,230	6,910
Overall with mounting bracket	mm	1,000	1,350	1,390	1,370	2,065	2,290	2,516	2,754	2,829	2,951	3,280	3,770	4,320
Height without mounting bracket	mm	1,000	1,190	1,390	1,370	1,785	2,020	2,150	2,374	2,449	2,531	2,850	3,230	3,860
Operating Pressure	bar	80-110	90-120	95-130	100-130	130-150	150-170	160-180	160-180	160-180	160-180	160-180	160-180	160-180
Required Oil Flow	lpm	20-30	25-40	30-45	40-80	45-85	80-110	90-130	135-180	150-190	160-220	190-250	250-310	350-450
Impact Rate	bpm	600-1,200	500-1,000	450-750	450-950	400-800	450-800	300-900	300-650	300-600	200-500	200-450	150-350	120-320
Tool Diameter	mm	φ 45	φ 53	φ 68	φ 75	φ 85	φ 100	φ 120	φ 135	φ 145	φ 150	φ 160	φ 180	φ 200
Hose Diameter	mm	13(1/2)	←	←	←	19(3/4)	←	25(1)	←	←	32(1 1/4)	←	←	32(1 1/4), 38(1 1/2)
Applicable Carrier	tons	0.7-1.5	1.0-3.0	3.0-7.0	5.0-9.0	6.0-12.0	9.0-14.0	13.0-19.0	18.0-25.0	22.0-29.0	28.0-36.0	32.0-45.0	45.0-65.0	62.0-85.0

➔ Above technical specifications are indicative and subject to change without notice

Hydraulic Ripper VibRics SERIES



VibRics is an innovation technology in rock breaking & demolishing equipment for hydraulic excavators with higher performance, productivity, low noise & free maintenance cost. Excavation in non-igneous rock such as concrete, asphalt, gypsum, limestone, etc. by hydraulic breakers, always has higher maintenance cost due to easy break down and less productivity cause by efficiency less. For better efficiency and productivity we suggest VibRics is one of solution. VibRics is using hydraulic motor driven eccentric movement force & generated great vibratory force.

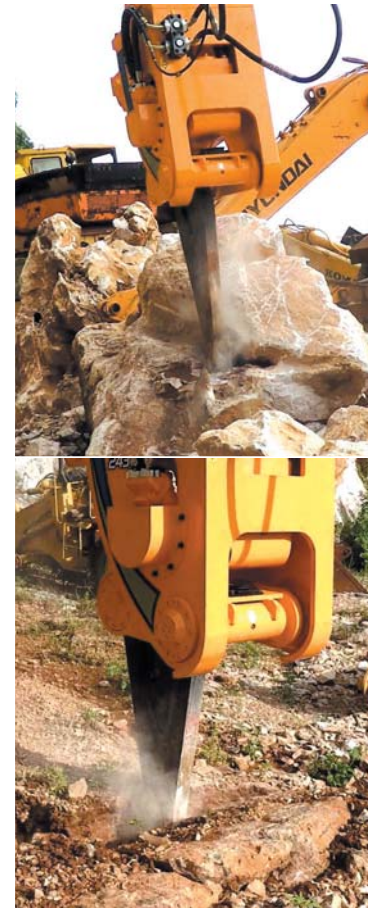
Products overvie

- ▶ Higher efficiency & productivity 3-5 times than hydraulic breakers in application stratum areas
- ▶ 30-50% lower noise level than operation of hydraulic breakers
- ▶ Less maintenance cost & saving time
- ▶ Simple operating system as hydraulic motor driven
- ▶ Less vibration with no damage in your valued machines
- ▶ Ability to work underwater without additional piping & air compressor
- ▶ Increase ripping performance with adding eccentric movement force
- ▶ Great vibration force from compressed nitrogen gas

Specification

Descriptions		Vibrics715	Vibrics1427	Vibrics2436	Vibrics3552
Working Weight	kgs	1,120	1,120	1,120	1,120
Operating Pressure	bar	100 ~ 200	100 ~ 200	100 ~ 200	100 ~ 200
Required Oil Flow	l /min	60 ~ 100	60 ~ 100	60 ~ 100	60 ~ 100
Pressure, Motor return	bar	5	5	5	5
	In	3/4	3/4	3/4	3/4
	Out	3/4	3/4	3/4	3/4
Line Connection	Drain	1/4	1/4	1/4	1/4
	Frequency	Vpm	2,000 ~ 2,500	2,000 ~ 2,500	2,000 ~ 2,500
Carrier Weight	tons	7 ~ 15	7 ~ 15	7 ~ 15	7 ~ 15

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Hydraulic Drum Cutter TDC SERIES



The drum cutters in the "TDC series" are particularly for working in the construction industry, cutting channels and tunnels, for renovation work or for road works, but also for smoothing and profiling rock and concrete walls. Application to fit 3-40tons Excavators & Backhoe Loaders.



Tunnelling work



Cutting the bottom of dam



Chipping the concrete surface



Cutting the coral stone



Cutting face of slope



Digging the foundation for electric power pylon



Soft ground improvement work



Clearing of stumps



Products overview

- ▶ High cutting force
- ▶ 5 models from 3 to 40 tons base carriers
- ▶ No required drain line
- ▶ Low maintenance
- ▶ Low vibration
- ▶ Low noise

Specification

Descriptions		TDC 35	TDC 135	TDC 235	TDC 335	TDC 435
Operating weight	kg	372	845	1,340	1,860	2,620
Input power	kW	25	30	52	60	120
Max. Peak power	kW	34	40	62	70	140
Max. Operating pressure	bar	350	350	350	350	350
Oil flow required	l /min	30~50	60~90	80~140	140~210	260~400
Cutting speed	rpm	120~200	90~130	65~113	50~90	40~70
Cutting head torque	N.m	3,200	5,800	10,900	24,000	36,000
Cutter diameter	mm	360	460	590	620	730
No. of pick		2 X 30	2 X 32	2 X 36	2 X 30	2 X 32
Carrier weight	tons	3.0~8.0	8.0~15.0	15.0~22.0	18.0~30.0	30.0~45.0

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Hydraulic Magnet HyMags SERIES

The HyMags, hydraulic magnets are designed for demolition, scrap industries, recycling and any applications as attachment structure, and easy operation Plug & Play just connecting two lines of hydraulic Input & Output. All in One, combined magnet coil, pump, generator and control valve are mounted own system.



HyMags takes lifting power from Hydraulic system and run Magnet,
HyMags can play multiple functions for any applications on your machine.

Why your valued machine working only for Electric Magnet

HyMags can play Plug & Play.

Do you require to modify your machine to work with Magnet

T&H designed HyMags is easy installation

No more waste time & cost to install magnet on your machine.

Just connecting two lines of hydraulic Input & Output.

HyMags is All in One system.

Complete magnet coil, pump, generator and control valve are mounted in HyMags System.

HyMags is suitable for demolition, scrap industries, recycling and any applications as attachment structure.

T&H HyMags is Automatic Operation system.

Operated by breaker on/off switch or pedal.

Meanwhile necessary action for running will be managed by HyMags itself.

Running hydraulic power-pressure & oil flow-controlled automatically without adjustment.

Specification

Descriptions			HyMags700	HyMags900	HyMags1100	HyMags1300	HyMags1500
Magnet Diameters	Max.	mm	φ 700	φ 900	φ 1,100	φ 1,300	φ 1,500
Required Oil Flow	Min.	l /min	20 ~ 30	33 ~ 62	47 ~ 66	69 ~ 95	91 ~ 110
Operating Pressure		bar	250	250	250	250	250
		bar	190	190	190	190	190
Line Connection		inch	1/2	3/4	1	1	1
Coil Power(220VDC)		kW	3	4.9	8.6	13	18
Operating Weight		kg	350	850	1,950	2,650	3,000
Lifting Capacity (approximate)	Steel Plate	kg	2,500	4,500	6,500	8,500	11,000
	Cast Iron Ingots	kg	120	250	450	700	1,100
	Scrap Metal	kg	100	200	400	600	900

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Hydraulic Compactor / Drivers

V SERIES



The V-series boom mounted hydraulic compactors are designed for greater jobsite productivity on your excavator or backhoe. The greatest impulse forces with overall superior performance through hydraulically operated rotating eccentric action.

Plug & Play Built-in pressure & oil flow control valve



Products overview

That's right for your application.

- ▶ Soil and aggregate compaction
- ▶ Steep slope compaction
- ▶ Waste compaction at transfer station
- ▶ Driving pile

Specification

Descriptions		V70	V160	V250	V350
Impulse Force-	kg	2,500	5,000	8,000	10,000
	lbs.	5,500	11,000	17,600	22,000
Continuous					
Frequency	cpm	2,000	2,000	2,000	2,200
Operating Weight ***	kg	250	600	870	980
	lbs.	550	1,320	1,920	2,160
Base Plate Dimensions	mm	500 X 650	700 X 900	850 X 1100	900 X 1300
	in.	20 X 26	28 X 35	34 X 43	35 X 52
Operating Pressure	kg/cm ²	90 ~ 140	90 ~ 140	120 ~ 140	120 ~ 160
	psi	1,300 ~ 2,000	1,300 ~ 2,000	1,700 ~ 2,000	1,700 ~ 2,200
Required	l / min	65	130	160	180
Oil Flow-Max.	gpm	17	34	40	47
Suitable Base Machine	tons	3.0 ~ 7.0	8.0 ~ 16.0	15.0 ~ 26.0	25.0 ~ 35.0
	lbs.	6,000 ~ 15,000	17,000 ~ 35,000	33,000 ~ 57,000	55,000 ~ 77,000
Port Size- In & Out	inch	1/2	3/4	1	1

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Hydraulic Quick Coupler L SERIES



“L series” Quick Coupler allows easy changing and time saving with an adjustable design that fits a variety of excavator attachments in your job.

Products overview

- ▶ Attachments changeover in seconds with simple operation,
- ▶ No need modification your bucket,
- ▶ Larger clamping ranges to fit various brand of base machines,
- ▶ A pilot operated check valve integrated in clamping cylinder even hose failure,
- ▶ A external locking pins can be installed as dual safety device,

Specification

Descriptions		L-50P	L-100P	L-200P	L-300H	L-400H
Working Weight	kg	70	180	250	450	650
Clamping	Min.	mm	230	310	430	480
	Stroke	Max.	mm	320	450	540
Length	mm	529	717	940	1,012	-
Height	mm	280	395	504	546	-
Working Pressure	bar	30 ~ 240				
Required Oil Flow-Min.	l /min	22				
Suitable Base Machine	tons	3.0~6.0	7.0~15.0	18.0~25.0	25.0~35.0	32.0~45.0

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