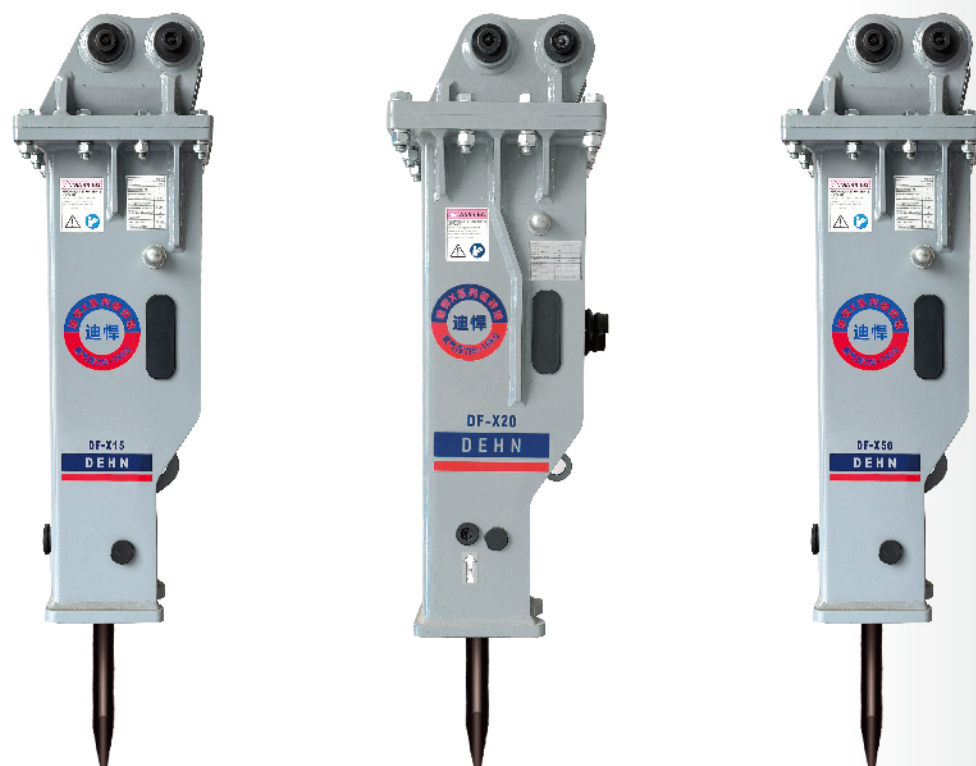




专利系列产品简介

一、产品特点:

1. 打击力度超强。
2. 自身重量轻。
3. 低氮气。
4. 可调频率。
5. 操作舒适
6. 省油
7. 保护液压系统

I. Product Features

1. Strong striking force
2. Light weight
3. Low-nitrogen
4. Adjustable frequency
5. Comfortable operation
6. Fuel-saving
7. Protect hydraulic system

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HYDRAULIC BREAKER EARTH DRILL EXCAVATOR ATTACHMENTS



YANTAI SHIJIN MACHINERY CO., LTD.

COMPANY PROFILE

DEHN Hydraulic Breaker

Founded in 2010 and located in Yantai, Shandong Province, DEHN is one of China's early-stage manufacturers engaged in the design, production and trade of hydraulic breakers.

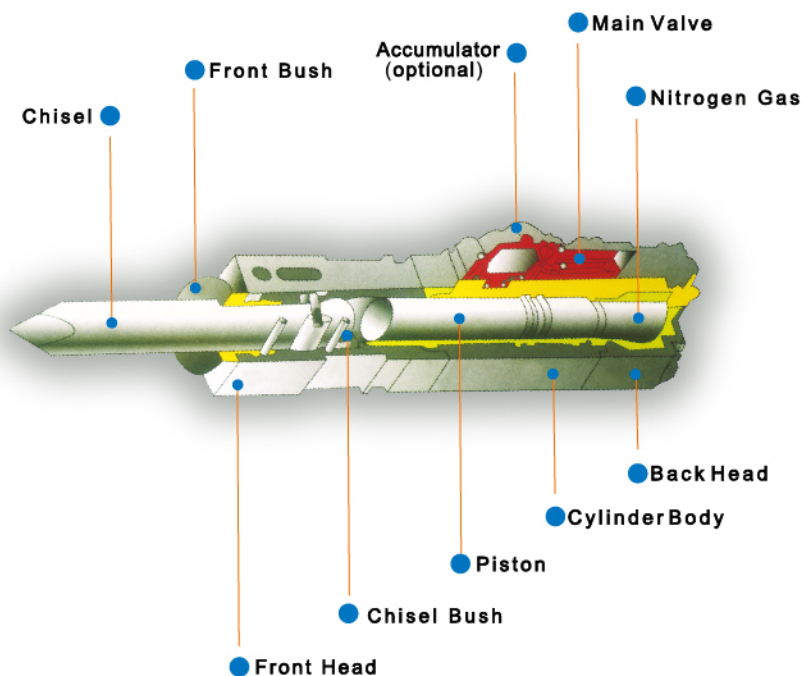
With an annual export volume of nearly 100 million RMB, the company boasts over 20 years of R&D and design experience and holds more than 20 patents. Our products fully meet international European and American standards and have obtained multiple EU CE certifications. We also provide long-term OEM manufacturing services for major well-known brands.



We regard product quality as the core soul of our enterprise and have passed ISO9000 quality system certification. Our products are exported to more than 30 countries worldwide. Adhering to the principles of service-orientation, innovation and sustainable development, we strive to build DEHN into a reliable helper in the construction machinery industry.



3 TYPES OF HYDRAULIC BREAKERS



MAIN FEATURES

- Patented body design
- Inner valve
- Quiet operation
- Fuel saving
- Low maintenance cost
- Smart bracket design
- Energy recovery system
- Various working tools



SIDE TYPE:

- 1.Reducing total-lenght
- 2.More convenience to handle the breaking object
- 3.Easy maintenance



TOP TYPE:

- 1.Easy-control and easy-position make it more convenience to excavation work
- 2.Without side weight, reducing the rate of chisel breakage
- 3.longer total-length and heavier total-weight



SILENCED BOX TYPE

- 1.Low noise level
- 2.Full-closed bracket protects main body from damage

[illegible]

FIRST IN THE COUNTRY



DEHN---FURUKAWA SERIES

Model	DF-X15	DF-X20	DF-X35	DF-X50	DF-X70A	DF-X80	DF-X90A	DF-X150A
Chisel diameter	45mm	48mm	58mm	68mm	75mm	80mm	90mm	120mm
Movement weight (kg)	52	66	98	120	152	168	236	496
Bare hammer weight (kg)	70	92	160	200	248	276	508	860
Working flow rate (liter/min)	20-30	20-30	25-45	32-60	45-80	45-80	50-90	120-155
Working pressure (kg/cm ²)	70-140	80-140	90-140	110-140	110-140	110-140	120-150	160-180
Suitable for excavator (ton)	0.8-1.5	1-2	2-3	3-5	5-7	6-8	8-12	12-18
Oil Pipe Nominal Diameter(inch)	1/2	1/2	1/2	1/2	1/2	1/2	3/4	1
Accumulator	no	no	no	no	yes	no	yes	yes
Impact rate (bpm)	700-1200	500-1100	500-1200	500-950	420-1020	460-960	420-680	400-525
Frequency adjustable	no	yes	yes	yes	yes	yes	yes	yes

NEW PATENT TECHNOLOGY PRODUCTS



THE FIRST DOMESTIC UTILITY MODEL PATENT TECHNOLOGY PRODUCT

1. Light weight reduces the burden on the performance components of the excavator
2. Low nitrogen pressure and low load, protect the hydraulic system and reduce the driver's operation fatigue
3. The frequency can be adjusted according to the working conditions to improve the efficiency
4. The diameter of the piston is large and the power is sufficient
5. The new design of the reversing valve, the hydraulic energy efficiency is improved, and the switching speed is fast

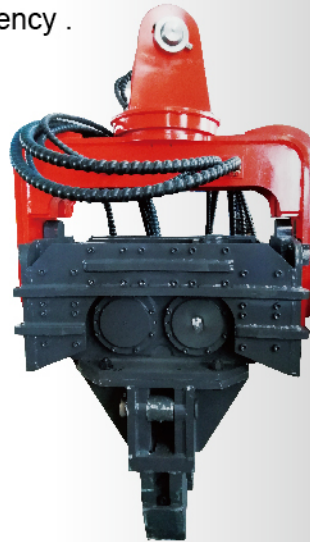
OTHER ATTACHMENT

PRODUCT FEATURE

1. Special steel material with high ductility and high resistance .
2. Driven by motor , utilizing a kind of exciting force produced by reciprocating motion of centrifugal force up and down .
3. Original imported motor , more durable , high swinging speed and frequency .
4. All bearings are originally imported with longer life service .
5. The shafts of all key part use the same material as module .
6. Flexible single chuck , double chuck styles can be designed .

Item / Type	Unit	DN160	DN260	DN360	DN500
Main unit weight	Kg	950	1600	2100	2600
Eccentric moment	NM	35	50	65	85
Vibration frequency	rpm	2500	2800	2800	2800
Working pressure	Kg/cm2	200	280	300	300
Working flow	L/min	140	168	210	265
Jaw weight	Kg	350	500	650	850
Arm attachment weight	Kg	400	700	850	1050
Applicable excavator	ton	10-17	18-26	27-38	39-50

PILE DRIVER

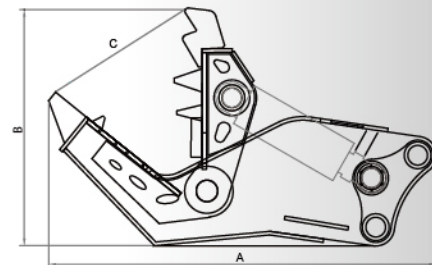


HYDRAULIC CRUSHING PULVERIZER

PRODUCT FEATURE

1. Special steel material with high ductility and high resistance .
2. Installed with hydraulic valve . More power of cylinder .
More efficient utilizes hydraulic oil .
3. Large design hydraulic cylinder . More powerful pulverized shear .
4. Design with structure of jaw type pulverizer with large operating area and high efficiency .
5. Wide opening design , easy working and convenient .
6. Indispensable good equipment for cement and steel bar recycle after pulverizing .
7. Rotation type and fixed type for customers to choose depending on their own requirements.

Model	unit	DN02	DN04	DN06	DN08	DN10
weight	kg	330	550	900	1596	2850
A	mm	1242	1473	2333	2110	2437
C	mm	425	550	670	904	1122
Crushing force	ton	27	45	60	180	205
Pressure	kg/cm²	210	230	260	300	320
Excavator weight	ton	2-4	4-9	10-17	18-25	26-38



HYDRAULIC GRAPPLE

MAIN FEATURES

1. wide opening width with light weight.
2. Unlimited clockwise 360 degree rotatable.
3. Rotating speed can be controlled
4. Flexible choices depend on job environment.

APPLICATIONS

Apply to grab wood, stone, gravels, waste metals, industry waste, construction garbage and daily rubbish.

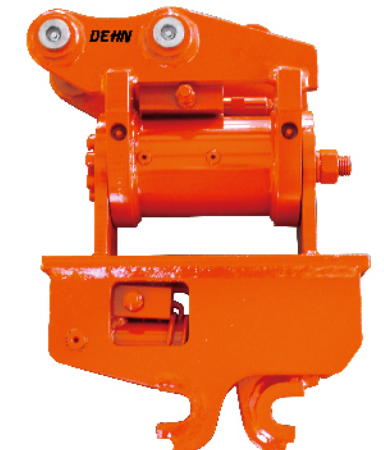
Category	Unit	DN-02	DN-04	DN-06	DN-08	DN-10
Weight	kg	320	390	740	1380	1700
Opening size	mm	1100	1400	1600	2000	2300
Operating pressure	kg/cm²	110-140	120-160	150-170	160-180	160-180
Pressure set up	kg/cm²	170	180	190	200	210
Operating flux	l/min	30-55	50-100	90-110	100-140	130-170
Cylinder volume	l	4.0*2	4.5*2	8.0*2	9.7*2	12*2
Suitable Excavator	ton	4-6	7-11	12-16	17-23	24-30



EXCAVATOR QUICK COUPLER

DEHN quick coupler can be used on excavator to change attachments easily and quickly , within only 1 minute installation , improving working efficiency sharply.

Name	Model	Applicable Lachine	Shaft Diameter	Weight (kg)
Hydraulic Quick Coupler	DN40	1-3	20-40	30
Hydraulic Quick Coupler	DN45	4-7	45	68
Hydraulic Quick Coupler	DN50	8-10	50-55	98
Hydraulic Quick Coupler	DN65	12-16	60-65	240
Hydraulic Quick Coupler	DN80	19-23	70-80	340
Hydraulic Quick Coupler	DN90	28-32	90	535
Hydraulic Quick Coupler	DN100	33-40	100	783
Hydraulic Quick Coupler	DN110	40-45	110	1100
Hydraulic Quick Coupler	DN120	48-52	120	1100
Hydraulic Quick Coupler	DN130	60	130	1200
Hydraulic Quick Coupler	DN130	70	130	1500





EARTH DRILL

MAIN FEATURES

1. Fast drilling speed
2. Long service life
3. Efficient performance
4. Special designed steel body
5. Mature segment bond and high welding strength

APPLICATIONS

- Fence
- Landscaping
- Tree planting
- Well drilling
- Screw pile installation

Model	Unit	DN-1000	DN-1500	DN-2000	DN-2500	DN-3000	DN-3500	DN-4500	DN-5000
Adaptive weight	ton	0.8-1.5	1.2-2.5	1.5-3.0	2.5-4.0	3.0-4.5	2.5-4.5	3.0-5.0	4.5-6.0
Maximum torque	n.m	1120	1570	2130	2870	3180	3650	4720	4920
Operation pressure	bar	40-180	40-200	50-210	80-240	80-240	80-240	80-240	80-240
Operation flow	l/min	20-100	20-100	20-100	30-120	30-150	30-150	40-150	50-150
Rotating speed	rpm	76	75	72	65	65	62	55	52
Hose size	inch	G1/2	G1/2	G1/2	G1/2	G1/2	G1/2	G1/2	G1/2
Output shaft	mm	35(F)	35(F)	35(F)/51(F)/65(Y)	65(Y)/51(F)	65(Y)/51(F)	65(Y)/51(F)	65(Y)/51(F)	65(Y)/51(F)
Unit weight	kg	38	39	42	72	74	76	95	97
Unit diameter	mm	190	190	190	230	232	232	250	250
Drill rod model	mm				S4	S4	S4	S4	S4
Drill pipe length	mm	800-1500	800-1500	1200-1500	1200-1500	1200-1500	1200-1500	1200-1500	1200-1500
Drill diameter range	mm	50-250	50-300	100-300	100-500	100-500	100-600	100-600	100-650

Model	Unit	DN-6000	DN-7000	DN-8000	DN-10000	DN-12000	DN-15000	DN-20000	DN-25000
Adaptive weight	ton	4.5-6.0	7.0-10.0	8.0-10.0	8.0-12.0	13.0-17.0	10.0-15.0	15.0-20.0	20.0-25.0
Maximum torque	n.m	6150	7300	8420	9760	12300	16700	19200	24920
Operation pressure	bar	80-240	80-240	80-240	80-240	80-240	80-260	80-260	80-260
Operation flow	l/min	50-160	50-160	60-180	60-200	70-180	80-220	80-250	80-250
Rotating speed	rpm	50	50	45	40	38	38	35	35
Hose size	inch	G1/2	G1/2	G3/4	G3/4	G1	G1	G1	G1
Output shaft	mm	75(F)	75(F)	75(F)	75(F)	75(F)	75(F)	75(F)	75(F)
Unit weight	kg	134	151	160	168	172	240	271	320
Unit diameter	mm	272	272	295	295	320	350	350	350
Drill rod model	mm	S5	S5	S5	S5	S5	S5	S5	S5
Drill pipe length	mm	1200-2000	1200-2000	1200-2000	1200-2000	1200-2000	1200-2000	1200-2000	1200-2000
Drill diameter range	mm	100-800	100-800	200-1000	200-1000	200-1000	200-1000	300-1200	300-1200

SINGLE CYLINDER HYDRAULIC SHEAR



Description	Unit	DN-10	DN-17	DN-30	DN-50	DN-50M
Weight	kg	130	205	360	510	530
Max opening	mm	287	355	438	514	514
Length	mm	948	1112	1311	1475	1505
Width	mm	519	642	767	894	894
Crushing force	ton	20	22.5	35	47	47
Pressure	kg/cm ²	180	210	210	230	230
Rotation type		360° mechanical rotation				hydraulic rotating
Excavator weight	ton	0.8-2	1.7-3.5	3-8	5-9	5-9

DOUBLE CYLINDER HYDRAULIC SHEAR



Description	Unit	DN-32	DN-52	DN-52M	DN-102M
Weight	kg	320	530	560	1050
Max opening	mm	436	529	529	786
Length	mm	1270	1430	1430	1859
Width	mm	701	870	870	1284
Crushing force	ton	30	50	50	90
Pressure	kg/cm ²	210	230	230	270
Rotation type		360° mechanical rotation		hydraulic rotating	
Excavator weight	ton	3-8	5-9	5-9	10-15

HYDRAULIC SHEAR

1. High efficiency: Compared with the breaking hammer, the efficiency is increased by 2-4 times;
2. Wide range of uses: It can quickly realize the rapid separation of concrete and steel bars, and greatly improve work efficiency by bending and loading onto the vehicle. Equipped with a steel bar cutter, it can simultaneously perform two operations of concrete crushing and steel bar cutting;
3. High safety: realize fully mechanized operation, no need for personnel to participate in dangerous operations;
4. Low noise: crushing by extrusion greatly reduces noise and vibration, meets environmental protection requirements, and is an ideal tool for crushing urban buildings;
5. Convenient maintenance: The advanced oil circuit design not only improves the working efficiency of the oil cylinder but also facilitates disassembly and maintenance. The oil circuit can be used in common with the crusher to realize multiple purposes of one excavator;

HYDRAULIC SORTING GRAPPLE

PRODUCT FEATURE

Special steel material with high ductility and high resistance .

Imported balance valve motor with buffering and braking kinetic energy .

The cylinder is equipped with non-return valve , more safety for grabbing.

High strength rotating support device , the operator can manipulates the swinging speed and its rotating direction for 360 degree clockwise and anticlockwise.

With soft tube in the high pressure cylinder , the soft tube is under protection .

The product can also be designed with no swinging rotation in accordance with customers' different requirements .

Widely used in sand plant , stone-crushing plant , dock , industries like renewable resources and coal recycle , auto decomposition and waste transfer .

It can be installed in excavator. One machine has multiple applications and higher efficiency.



Model	Unit	DN-mini	DN-02	DN-04	DN-06	DN-08	DN-10	DN-12
Weight	kg	93	150	203	320	400	590	645
Pressure	kg/cm ²	180	220	245	275	350	350	350
Max jaw opening	mm	700	900	1100	1300	1300	1500	1600
suitable for excavator (ton)	ton	1-1.8	2-2.5	3-4.0	5-6.0	7-7.5	8-12	13-14

EXCAVATOR COMPACTOR



DEHN compactor	unit	DN02	DN04	DN06	DN08	DN10
weight	kg	140	320	590	910	1100
power of impulse	ton	2	4	6.5	15	15
maximum vibration rate	rpm	2000	2000	2000	2000	2000
oilflow	l/min	30-65	45-75	85-105	120-170	120-170
pressure	kg/cm ²	90-120	100-130	100-130	150-200	150-200
bottom measurement	L*W*T,mm	612*380*20	875*560*25	1038*700*28	1353*900*30	1405*1000*30
height	mm	555	678	854	1004	1100
width	mm	350	510	700	900	900
suitable excavator	ton	1-4	4-9	11-16	17-23	24-30
oil pipe diameter	inch	1/2	1/2	3/4	1	1-1½

EXCAVATOR RIPPER

MAIN FEATURES

1. Made of high strength steel plate, easy to use and install .
2. Easy for digging and loading.
3. 1-3 teeth available, strong digging capacity.

APPLICATIONS

Our Excavator ripper can easily rip frozen ground, hard earth, stone and land waste.



Name	Model	Shaft Diameter	Applicable Excavator Tonnage	Weight(kg)
Ripper	DEHNO2	30/40	1-4	60
Ripper	DEHNO4	45/50	5-8	80
Ripper	DEHNO6	60/65	13	220
Ripper	DEHNO8	70/80	20	410
Ripper	DEHN10	90	30	750
Ripper	DEHN12	100	40	900
Ripper	DEHN17	110	50	1100

MOWER

The excavator land-clearing machine is a hydraulic attachment for excavators, also commonly known as land reclamation machine or wood-shredding brush cutter. It is directly mounted on the front end of an excavator. Driven by the excavator's hydraulic power, its rotary cutter shreds weeds, shrubs and small trees in-situ to complete land reclamation and site-clearing work. No felling or transportation is required; the shredded material can return directly to the soil. It is also operable on mountainous slopes and steep terrain.



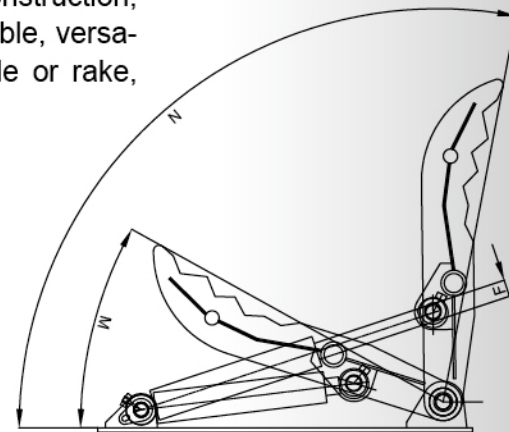
Model	Shaft Length	Product Dimension	Piston Motor	Motor Displacement	Applicable Machine Tonnage	Motor Speed	Weight	Blade Quantity	Drive Floy
DEHN-600	0.6M			23L/min	1-4	2500-3000	240KG	16pcs	25L-45L/nin
DEHN-1000-pd	1M	1300*670*840	Piston Motor	23L/min	5-10	2500-3000	398KG	24pcs	25L-45L/nin
DEHN-1400-pd	1.4M	1700*670*840	Piston Motor	32L/min	12-15	2500-3000	550KG	34pcs	35L-60L/nin
DEHN1600-pd	1.6M	1900*700*855	Piston Motor	45/min	20 Above	2500-3000	650KG	38pcs	50L-90L/nin

EXCAVATOR THUMB

PRODUCT FEATURE

Excavator bucket thumb

DEHN Bucket Thumbs are the perfect attachment for construction, road building, forestry and mining applications. These durable, versatile and hard-wearing thumbs work with any bucket, blade or rake, opening up endless possibilities for your operation.



Name	Type	Model	Applicable Excavator Tonnage (T)	Number of Teeth
Thumb Grab	Hydraulic	DEHNO1	0.6-1	2
Thumb Grab	Hydraulic	DEHNO2	2-5	2
Thumb Grab	Hydraulic	DEHNO4	6-9	3
Thumb Grab	Hydraulic	DEHNO6	10-15	3
Thumb Grab	Hydraulic	DEHNO8	18-25	4
Thumb Grab	Hydraulic	DEHN10	30-36	4

PRODUCT PRESENTATION

BACKHOE TYPE	SKID STEER LOADER	POST DRIVER	EXCAVATOR GRAPPLE	SCREENER BUCKET
TREE SHEAR	LIFTING PALLET	MULTIFUNCTIONAL CRUSHING SHEAR	GRAPPLE	MOWER
CRUSHER BUCKET	ROLLER COMPACTOR	HYDRAULIC SHEAR	EXCAVATOR RAKE	EXCAVATOR BUCKET
EAGER SHEAR	HYDRAULIC SORTING GRAPPLE	CLAM SHELL GRAPPLE	PILE DRIVER	MECHANICAL GRAP