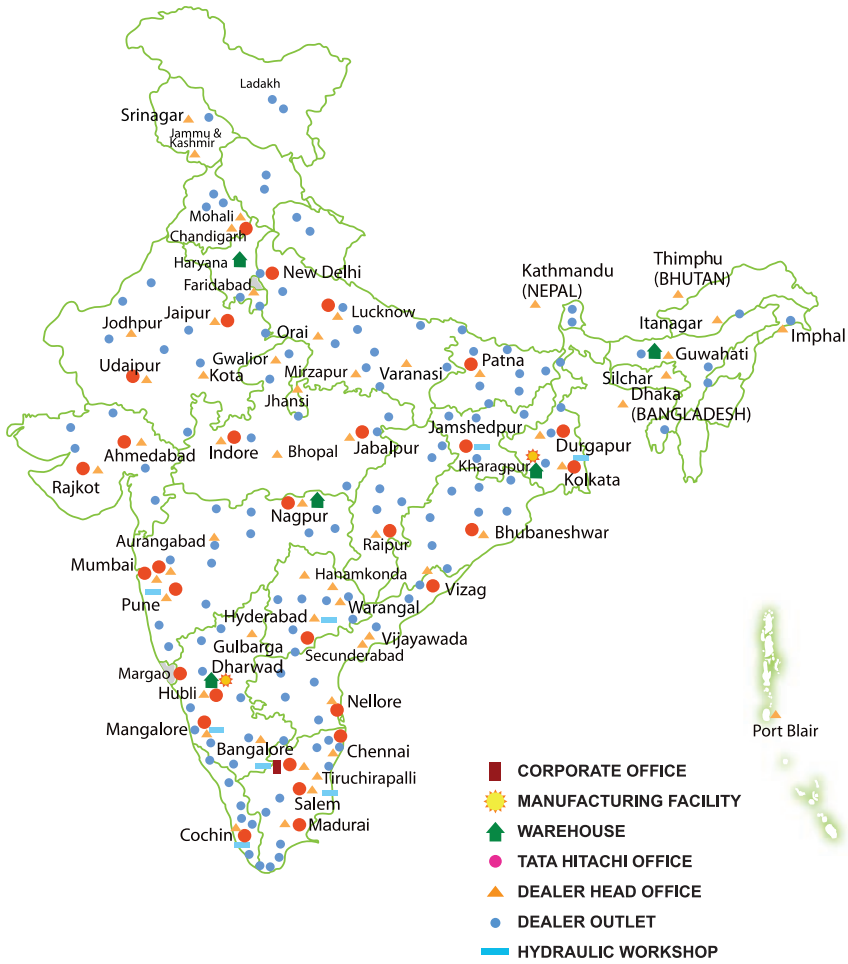


## OUR NETWORK



### Tata Hitachi Construction Machinery Company Private Limited

Registered Office: Jubilee Building, 45 Museum Road, Bangalore, India 560025  
 Telephone: +91 80 66953301 / 02 / 03 / 04 / 05 | Email: info@tatahitachi.co.in



These specifications are subject to change without prior notice. The machine depicted may vary from the actual machine. Please contact our nearest office for latest specifications. Accessories shown here are not part of the standard equipment. Performance of the machine may vary with site and operating conditions encountered.

Authorised Dealer



# TATA HITACHI

## A RANGE OF ATTACHMENTS TO PERFORM VARIED APPLICATIONS



## EXTENSIVE RANGE OF APPLICATION SOLUTIONS

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	- Drum Cutter			
	- Vibro Ripper			
<b>Others</b>	- Quick Coupler			

## TATA HITACHI ATTACHMENTS FOR ALL APPLICATIONS

An extensive range of customized attachments that meet the demands of specific industry applications. These include Urban Development, Inland Waterways, Irrigation, Demolition/ Crushing, Material Handling, Metal Recycling, Mining, Tunnelling and many more.



# ALICON & NEW ALICON SUPER+ FEATURES

- New Alicon series lighter, stronger, and more powerful than ever.
- Anti-blank firing system provides higher durability.
- 2-stroke selector enables selection of stroke based on application.
- Bending design of the bracket makes the breaker more durable and less noisy.
- Wide range of product lines which fit into any kind of working condition.
- Choice of optional features: TPC system, internal relief valve, BPM adjust valve, provision for underwater works and Auto-Grease System.



## SPECIFICATIONS

Breaker Model	Unit	CONSTRUCTION SEGMENT				CONSTRUCTION SEGMENT			MINING SEGMENT		
		B30	B60 Super	B70	B145 Super+	B215 Super+	B235 Super+	B360	B450	B650	B850
Excavator Weight Class <sup>1)</sup>	Ton	2-4	4-8	6-8	10-15	18-25	18-25	28-40	38-50	42-81	55 - 100
Operating Weight <sup>2)</sup>	kg	180	375	431	959	1,817	1,856	2937	3713	4380	5625
Oil Flow	Lpm	25-45	35-70	45-80	90-110	110-160	130-170	180-250	200-280	280-400	320 - 450
Operating Pressure	Bar	80-120	100-140	100-140	120-160	130-170	130-180	140-180	140-180	150-190	150-190
Impact Blow Rate	Bpm (High speed)	600-1100	350-800 (450-1000)	350-850 (450-1100)	350-550	350-500	250-400	200-350 (300-480)	200-300 (300-450)	250-420 (300-500)	200 - 350 (250 - 400)
Overall Length (w/STD.MTG.BKT)	mm	1334	1635	1805	2,263	2841	2,841	3200	3595	3766	4059
Chisel Diameter	mm	53	75	78	105	135	140	155	165	180	200
Chisel Length	mm	570	780	806	975	1,300	1,300	1400	1650	1500	1700
Tata Hitachi Suitable Excavator	Model	TMX20 Neo/ ZX23U/ZX33U	SHINRAI PRIME/ SHINRAI PRO	EX70 Prime / SHINRAI PRIME/ SHINRAI PRO	EX130 Super+/ ZX140H	EX200LC Super+/ EX210LC Super+/ ZX220LC/EX215LCQ	EX200LC Super+/ EX210LC Super+/ ZX220LC	ZX370LCH	ZX470H	ZX650H	ZX870H

## CHOICE OF OPTIONS

● Standard    ● Option    — N/A

Underwater Works	—	—	—	●	●	●	●	●	●	●	●
Auto-Greasing System Hole	—	●	●	●	●	●	●	●	●	●	●
TPC <sup>3)</sup> System Selector Type	—	●	●	●	●	●	●	●	●	●	●
ABF(Anti-Blank Firing) System	—	●	●	●	●	●	●	●	●	●	●
Auto-Greasing Unit	—	●	●	●	●	●	●	●	●	●	●
Central Grease Supply Unit	—	●	●	●	●	●	●	●	●	●	●
BPM Adjuster	—	—	—	●	●	●	●	●	●	●	●
Internal Relief Valve	—	—	—	—	●	●	●	●	—	—	—
TPC System Remote Control Type	—	—	—	—	●	●	●	●	—	—	—
Low-Noise Housing Bracket	—	●	●	●	●	●	●	●	●	●	●

## APPLICATION



**MINING & QUARRYING**  
• Primary Breaking  
• Secondary Breaking



**METALLURGICAL INDUSTRY**  
• Slag Recycling  
• Cleaning & Debricking



**DEMOLITION & RENOVATION**  
• Masonry Structures  
• Concrete Structures  
• Composite Steel  
• Pavements –Asphalt, Concrete



**CONSTRUCTION**  
• Earthwork  
• Trenching  
• Ground excavation  
• Tunneling  
• Foundation work  
• Building construction

- 1) Standard weight of carrier.
- 2) Standard weight hydraulic breaker with MTG-BKT and chisel.
- 3) Total power control.
- 4) Above specifications are subject to change without prior notice for product improvements.

# INTELLIGENCE SERIES ROCK BREAKER

## FEATURES

- Operates entirely on the latest Hydraulic Technology.
- Excellent power-to-weight ratio.
- High-impact & constant blow leads to increased productivity.
- Rotational type bushes increase life up to 50%.
- Auto-Lubrication system as a standard feature across medium & large range.
- VIDAT Tie Rods - Absorbs vibration and prevents premature failures.
- In-Built Hydraulic protection system.
- MyFleet - Live geo-tracking and breaker performance data.



MyFleet - Live Geo-Track-



Auto-Lubrication System

## SPECIFICATIONS

### CONSTRUCTION SEGMENT

### MINING SEGMENT

Breaker Model	Unit	BR771	BR1655I	BR2571	BR3288I	BR4099I	BR5011I	BR9033I
Excavator Weight Class	Ton	4.3~9.5	12 ~20	21~32	26~42	34~55	43~80	65~120
Operating Weight	Kg	390	1100	1670	2400	3380	4750	7400
Oil Flow	Lpm	40~120	90~130	140~200	160~250	250~350	280~380	360~460
Operating Pressure	Bar	90~140	135~145	135~145	150~160	150~160	160~170	170~180
Impact Blow Rate	Bpm	500~1700	500~920	450~750	370 ~ 630 (L) 460 ~ 740 (S)	400 ~ 560 (L) 520 ~ 700 (S)	370 ~ 530 (L) 450 ~ 620 (S)	300 ~ 520 (L) 355 ~ 645 (S)
Chisel Diameter	mm	80	115	135	142	166	190	215
Tata Hitachi Suitable Excavator	Model	SHINRAI PRIME/ SHINRAI PRO/ EX 70 Prime	EX 130/ ZAXIS 140H	EX 200LC, EX 210LC ZAXIS 220LC/EX 215LCQ ZAXIS 220LC-M	ZAXIS 370LCH, ZAXIS 400MTH	ZAXIS 470H	ZAXIS 650H	ZX870H EX1200V

\* L- Long Stroke and S- Short Stroke

## CHOICE OF OPTIONS

Auto Greasing	●
Anit-Blank Firing	●
Hydraulic Protection System	●
Low-Noise HD Housing	●
Under water Application	●
Tunnel Application	●

- 1) Standard weight of carrier.
- 2) Standard weight hydraulic breaker with adaptor and tool.

## APPLICATION



- MINING & QUARRYING**
- Primary Breaking
  - Secondary Breaking



- METALLURGICAL INDUSTRY**
- Slag Recycling
  - Cleaning & Debricking



- DEMOLITION & RENOVATION**
- Masonry Structures
  - Concrete Structures
  - Composite Steel
  - Pavements – Asphalt, Concrete



- CONSTRUCTION**
- Earthwork
  - Trenching
  - Ground excavation
  - Tunneling
  - Foundation work
  - Building construction

Standard  Option  N/A

# TELCON ROCK BREAKER

Introducing the all new Telcon series of rock breakers. These rock breakers are durable, cost effective and can be used for different applications like primary & secondary breaking, scaling, demolition and tunnelling. Tata Hitachi's robust and wide support network ensures timely service and spare parts support, there by giving complete peace of mind to our customers.

## FEATURES

- Air Check Valve
- Rigid Dampening System
- 2 Stroke Adjuster
- BPM Adjuster
- Anti Blank Firing

## Optional Features

- Under Water Kit
- Auto Greasing



## SPECIFICATIONS

DESCRIPTION	SPECIFICATION
Excavator Weight Class	18-26 Ton
Operating Weight (*)	1725 Kg
Overall Length	2670 mm (Approx)
Chisel Diameter	135 mm
Chisel Length	1200 mm
Setting Pressure	210 bar
Operating Pressure	160-190 bar
Optimal Oil Flow	110-170 lpm
Impact Rate	350-550 bpm
Back Head Pressure	14-16 kg/cm <sup>2</sup>
Anti-Blank Firing	Yes
2-Stroke Control	Yes
Auto Greasing	Optional
Accumulator	Yes
Frame Bottom Plate Thickness	50mm

## APPLICATION



- MINING & QUARRYING**
- Primary Breaking
  - Secondary Breaking



- METALLURGICAL INDUSTRY**
- Slag Recycling
  - Cleaning & Debricking



- DEMOLITION & RENOVATION**
- Masonry Structures
  - Concrete Structures
  - Composite Steel
  - Pavements –Asphalt, Concrete



- CONSTRUCTION**
- Earthwork
  - Trenching
  - Ground excavation
  - Tunneling
  - Foundation work
  - Building construction

# QUICK COUPLER

## TWIN LOCK POWER LATCH QUICK COUPLER

### FEATURES

- Quick Couplers facilitates rapid change of bucket and attachments increasing the equipment utilization and productivity.
- Fully Automatic hydraulic coupler with unique Automatic Blocking System (ABS) eliminating the need for a manually inserted safety pin.
- Strong, durable, high-tensile precision single piece cast steel frame.
- Twin-locking feature enables front and rear attachment pins mechanically locked, in the event of any hydraulic power loss.
- Attachments can only be removed in a safe, fully crowd-in position.
- Short Payback period of less than six months.



### SPECIFICATIONS

#### COUPLER RANGE / MACHINE TONNAGE

Description	Unit	Range 4	Range 6	Range 6 FAB	Range 8	Range 9	Range 11	Range 13
Excavator Weight Class	Ton	11-15	19-23	19-23	30-39	40-49	65 - 70	100 - 120
Operating Weight	Kg	180	310	337	560	850	1350	2120
Front and Rear Pin diameter	mm	60 & 65	80 & 80	80 & 80	90 & 100	100 & 110	120 & 130	120 & 130
Attachments pick up range	mm	345 - 415	430 - 520	430 - 520	482 - 602	572 - 603	640 - 645	640 - 645
Tata Hitachi Suitable Excavator	Model	EX130 Super+/ ZX140H	EX200LC Super+/ EX210LC Super+/ EX 215LCQ/ZX220LC	EX200LC Super+/ EX210LC Super+/ EX 215LCQ/ZX220LC	ZX370LCH	ZX470H	ZX650H	EX1200V

## MECHANICAL QUICK COUPLER

### FEATURES

- Structural integrity & life is increased for main Attachment component.
- Simplified and Cost-effective system.
- Hardox steel for high durability.

### SPECIFICATIONS

Description	Unit	Range 3
Excavator Weight Class	ton	4-8
Operating Weight	kg	87
Front and Rear Pin diameter	mm	50&55
Attachments pick up range	mm	348-350
Tata Hitachi Suitable Excavator Models		Shinrai Prime/ Shinrai Pro



# AUGER

### FEATURES

- Manufactured from high grade materials & precision engineered products.
- Designed to withstand extreme working conditions.
- Unique Design of single piece drive shaft to prevent shaft dislodgement.
- Interchangeable wear parts & pilot extensions for improved flexibility and accuracy.
- Amplified torque & High efficiency due to planetary gearbox.
- Best in class warranty policy



### SPECIFICATIONS

Description	Unit	3000 Max	3500 Max	8000 Max	15000 Max	25000 Max	42000 Max
Torque Range	Nm	959-2,877	1,205-3,614	2,717-8,152	5,024-15,071	16,503-24,755	24,612-42,387
Oil Pressure Range	Bar	80-240	80-240	80-240	80-240	160-240	180-310
Oil flow Range	Lpm	27-75	40-85	70-150	80-170	80-170	80-225
Unit Weight	Kg	71	73	116	173	269	442
Auger Diameter Range	mm	100-600	100-750	150-1,200	150-1,200	150-1,500	300-1,800
Auger Depth Range	M	1.4-3	1.4-3	2.4-6	3.7-7.5	4.1-9	4.9-11.5
Output Shaft Std.	mm	65	65	75	75	75	110
Excavator Weight Class	Ton	2-4	2.5-4.5	6-8	10-15	15-22	20-45

### APPLICATION



ELECTRICAL POLE



PLANTATION, FOUNDATION/ CASING INSTALLATION



SOLAR PANEL INSTALLATION



DEWATERING APPLICATION



LANDSCAPING, FENCING, BORING ETC.

# CLAMSHELL BUCKET

## LIGHT WEIGHT APPLICATIONS

### FEATURES

- Pendulum-type clam shell bucket which helps ease of operation during materials loading & unloading.
- Less operation cycle compared to normal operation.
- Rotating option: Hydraulic rotating type.
- Dual Cylinder: Dual hydraulic cylinder for excellent digging force.
- Optimal bowl radius for highest fill factor.
- Choice of option: Tooth points.



### SPECIFICATIONS

Description	Unit	DMCB1000
Operating Weight	kg	1250
Capacity	m3	1
Excavator Weight Class	Ton	18-25

## HEAVY DUTY APPLICATIONS

### SPECIFICATIONS

Hydraulic Clamshell Grabs - Pile Density upto 1.0 T/m3

Type and size	Excavator Weight Class (Ton) (**)	Grab capacity	Dead weight	Max. lifting capacity
HiCG	Ton	m3	Kg	Ton
600	18-30	0.6	1040	3
700	18-30	0.7	1100	3
800	18-30	0.8	1125	3
1250	18-30	1.25	1295	3
1500	18-30	1.5	1380	5
1600	18-30	1.6	1400	5
1750	18-50	1.75	1465	5
2000	18-50	2	1665	5
3000	18-50	3	2065	7
3500	18-50	3.5	2465	7

### SPECIFICATIONS

Hydraulic Clamshell Grabs - Pile Density upto 2.0 T/m3.

Type and size	Excavator Weight Class (Ton)(**)	Grab capacity	Dead weight	Max. lifting capacity
HiDG	Ton	m3	Kg	Ton
600.27	12-20	0.6	915	4.0
700/800.28-S	18-30	0.8	1290	6.0
1000.28-S	18-30	1	1470	6.0
1200.28-S	18-30	1.2	1520	6.0
1600.28-S	18-50	1.6	1715	6.0
2000.28-S	18-50	2	1990	6.0
3000.28-S	18-50	3	2040	-

Remarks: \*\*\* As per Excavator Arm width & Arm pin diameter. \*\* Excavator Operating weight will change depending upon material application

# MATERIAL HANDLER

### FEATURES

- Customized design for superior lifting capacity & better stability.
- Reinforced structure to meet tough operating conditions.
- Boosts production and widens working ranges with long term cost saving.



### SPECIFICATIONS

Excavator Model	Reach (meter)
ZX370LCH	12m
ZX470H	14m
ZX650H	16m

### APPLICATION



HIGH VOLUME BULK MATERIAL HANDLING



IDEAL FOR LOADING & UNLOADING BULK CARGO AT DOCKS



REPLACES CABLE OPERATED MATERIAL HANDLING MACHINES.



MATERIAL HANDLING  
• Industrial wastes, grains, sands, etc.



LOADING AND UNLOADING  
• Coal, iron ore, gravel, clinker from railway wagon and barge.

# ORANGE PEEL GRAB

## FEATURES

- Loading/unloading metal scrap, wastes and garbage.
- Pendulum type.
- Rotating options: Hydraulic rotating type, free rotating type or fixed type.
- Number of tines: 4/5/6.
- Tines options: Close type, semi-close type, open type.



## LIGHT WEIGHT APPLICATIONS SPECIFICATIONS

Description	Unit	DMSG800
Operating Weight	kg	1,200
Capacity	m3	0.7
Excavator Weight Class	ton	18~25
Standard Tines No.	No	5

## HEAVY DUTY APPLICATIONS SPECIFICATIONS

Type and size	Excavator Weight Class (Ton)**	Grab capacity	Dead weight in kg by Tines design			Number of Tines (**)	Max. lifting capacity
			Open	Semi open	Closed		
HiOG	<b>Ton</b>	m3	Open	Semi open	Closed	No.	Ton
600.25	<b>12-22</b>	0.6	1245	1310	1395	5	3.5
800.25	<b>12-22</b>	0.8	1270	1330	1440	5	3.5
2000.28-S	<b>20-40</b>	2	2210	2380	2700	5	6

Remarks: \* 5 no. Tines are standard. \*\* No. of tines can be changed depending upon the material size & shape.  
 \*\*\* As per Excavator Arm width & Arm pin diameter

## APPLICATION



SORTING



WASTE HANDLING



CLEANING SITES



LOADING



METAL RECYCLING

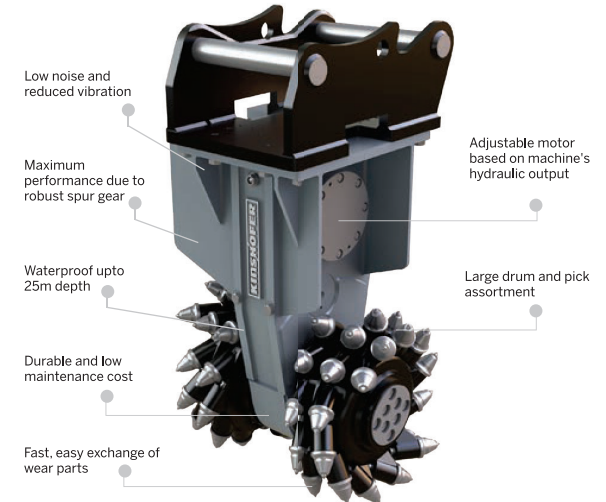
# DRUM CUTTERS

## FEATURES

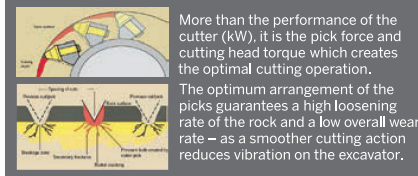
### LET'S CUT TO THE CHASE

Experience bigger benefits with the KDC-Series

- **INCREASED PROFITABILITY**
  - Robust construction and low-maintenance operation
  - Precision profiling and cutting performance in hard soil and rock
  - Easy re-utilisation of cut material
- **GREATER EFFICIENCY**
  - High pick force
  - Extremely high cutting-head torque
  - Maximum cutting force thanks to reduction gear unit
- **MAXIMUM FLEXIBILITY**
  - Modular construction
  - Large selection of drum/pick options
  - Fast and easy exchange of wear parts



### CUTTING TECHNIQUE



### Optional 360° degree rotation



Parameters	KDC04	KDC06	KDC08	KDC15	KDC20	KDC30	KDC35	KDC45	KDC60
Excavator Size	Ton 2-4t	2-4t	2-8t	8-15t	12-20t	18-30t	25-35t	25-45t	40-60t
Hydraulic Power	kw 18	18	22	30	45	60	90	120	150
Weight Class	kg 250	250	250	420	850	1350	1400	2,550	2800
Working Pressure	bar	215 / 180		225 / 180	200 / 180	240 / 200	210 / 180	205 / 180	225 / 190
oil flow	lpm 48	50	60	90-115	100-170	140-210	240-340	300-500	360-600
Drum Speed	rpm	80 - 130		80 - 120	70 - 105	60 - 90	60 - 80	50 - 80	50 - 75
Cutting Speed	m/s	1.6 - 2.0		1.6 - 2.4	2.2 - 2.6	2.0 - 2.4	1.9 - 2.3	1.9 - 2.3	1.9 - 2.3
Cutter Torque	nm	2330	2330	4750	7880	9990	13650	24150	36200
Pick force	kN	16 - 26.6		23 - 40	32 - 36	44.5	39.3	78 - 95	115
Number of picks	No.	44	44	44	48	56	56	64	80
Drum Diameter	mm	350	350	350	405	550	615	615	760
Cutting Width	mm	500	500	500	630	750	900	900	1,200
Height	mm	615	615	615	740	965	1095	1095	1,345
Max Cutting Force	KN	13	16	29	40	36	44	79	95

## APPLICATION



MINING



INFRASTRUCTURE DEVELOPMENT



DEMOLITION & CRUSHING



TUNNEL

# WOOD GRAPPLE

## FEATURES

- Link type/ Pendulum type mounting bracket depending upon site requirement.
- Rotating type.
- Loading/unloading timbers, logs and pipes.
- Wide jaws suitable for various work requirement.



## SPECIFICATIONS

Model	Excavator Weight Class (Ton) (**)	Area (tip to tip) (Sq.m.)	Tongs Width (mm)
HHG.32	18-34	1.00-1.75	800/640
HHG.33	30-60	1.25-2.50	800/640
HHG.34-K	30-60	2.50-4.00	800

Remarks: \*\* Excavator Operating weight will change depending upon material application

## APPLICATION



# PLATE COMPACTOR

## FEATURES

- High compaction efficiency for ground, trench and slope.
- Requires only Breaker piping Kit.
- Control block system for easy & safe setting.
- Robust design with bending structure & hub type damper.



## SPECIFICATIONS

Description	Unit	DMV50	DMV140	DMV230	DMV300
Impulse Force	Ton	2.3	3.7	7.5	11
Weight	Kg	342	624	850	1282
Compact Area	Width	450	650	750	900
	Length	700	750	1000	1200
Oil Flow Required	lpm	30-55	90-110	130-170	180-250
Max Cycle Per Minute	rpm	2500	2500	2200	2200
Operating Pressure	Bar	100-140	120-160	130-180	140-180
<b>Excavator Weight Class</b>	<b>Ton</b>	<b>2-7</b>	<b>8-15</b>	<b>15-22</b>	<b>25-47</b>

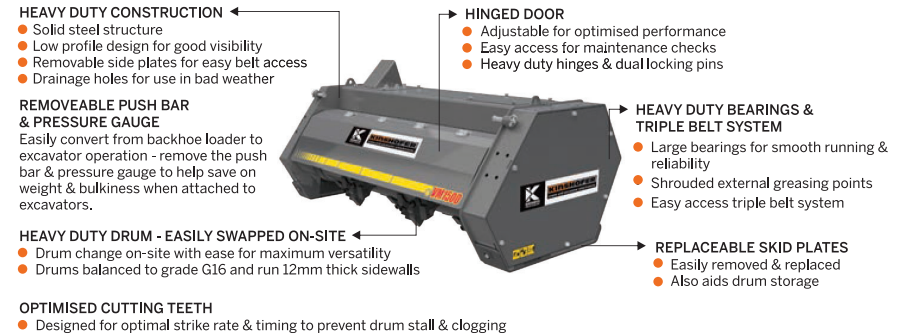
## APPLICATION



# MULCHER

## FEATURES

**RELIABLE & VERSATILE, WHATEVER THE JOB** Suitable for excavators & backhoe loader. Mulchers are designed and manufactured to handle the toughest clearance applications with precise hedge trimming.



- HEAVY DUTY CONSTRUCTION**
  - Solid steel structure
  - Low profile design for good visibility
  - Removable side plates for easy belt access
  - Drainage holes for use in bad weather
- HINGED DOOR**
  - Adjustable for optimised performance
  - Easy access for maintenance checks
  - Heavy duty hinges & dual locking pins
- HEAVY DUTY BEARINGS & TRIPLE BELT SYSTEM**
  - Large bearings for smooth running & reliability
  - Shrouded external greasing points
  - Easy access triple belt system
- REPLACEABLE SKID PLATES**
  - Easily removed & replaced
  - Also aids drum storage
- HEAVY DUTY DRUM - EASILY SWAPPED ON-SITE**
  - Drum change on-site with ease for maximum versatility
  - Drums balanced to grade G16 and run 12mm thick sidewalls
- OPTIMISED CUTTING TEETH**
  - Designed for optimal strike rate & timing to prevent drum stall & clogging



- FIXED TUNGSTEN TOOTH DRUM**
  - The toughest and most versatile option.
  - Suitable for solid timber up to 250mm thick, lighter material like hedges and tree branches.



- SWINGING HAMMER TOOTH DRUM**
  - Offers a cleaner cutting performance on soft materials.
  - Ideal for lighter work where clean cutting of soft vegetation is required like reshaping dense hedgerows or processing hedge and branch trimmings into mulch.
  - Capable of mulching smaller trees down to ground.

## SPECIFICATIONS

VM1000	VM1500
Standard Gear Motor	Standard Piston Motor
Oil Pressure Range: 160 - 180 BAR	Oil Pressure Range: 220- 240 BAR
Optimum Oil Pressure: 180 BAR	Optimum Oil Pressure: 240 BAR
Oil Flow Range: 60 - 70 LPM	Oil Flow Range: 85 - 95 LPM
Optimum Oil Flow: 70 LPM	Optimum Oil Flow: 95 LPM
<b>SUITABLE FOR EXCAVATORS &amp; BACKHOE LOADER</b>	<b>SUITABLE FOR EXCAVATORS</b>
5T to 10T	10T to 15T
<b>CUTTING</b>	<b>CUTTING</b>
Drum Speed: up to 2400rpm (parent machine dependant)	Drum Speed: up to 2400rpm (parent machine dependant)
Cutting drum width: 1000mm	Cutting drum width: 1500mm
Processes trees up to 120 mm diameter	Processes trees up to 250 mm dia
<b>DIMENSIONS</b>	<b>DIMENSIONS</b>
694mm x 1260mm x 802mm (h x w x d)	865mm x 1830mm x 1002mm (h x w x d)
<b>WEIGHT</b>	<b>WEIGHT</b>
400 kg	800 kg



## APPLICATION





# HEDGE TRIMMER

## FEATURES

### Hedge Trimmer for Excavator and Backhoe loader

Hedge Trimmer is the perfect addition for excavators (2.5-8T) and Backhoe loaders, and offers a variety of motor sizes to suit your application. Attaching to a base machine provides extra-long cutting reach, gaining access to those taller trees and deeper hedges. The Hedge Trimmer is also ideal for cutting long grass and bushes.

Attaching the optional tooth extension bar provides a full 2.5m cutting length. This makes trimming more precise, efficient and will provide yet another way to expand the versatility of existing machines.

A neat and accurate cut, every time.



#### FEATURES

- 1.5m cutting length
- Optional 1m cutting extension bar
- Cuts up to 40mm diameter
- Replace individual cutting teeth as required

## SPECIFICATIONS

### HEDGE TRIMMER - T150

<b>50cc Motor Variant</b>	
Suited to	: Excavators (2.5T - 4.5T)
Oil Pressure Range	: 28-220 Bar
Oil Flow Range	: 8-65 lpm
<b>80cc Motor Variant</b>	
Suited to	: Excavators (4.5T - 8T)
Oil Pressure Range	: 28-220 Bar
Oil Flow Range	: 8-66 lpm
<b>100cc Motor Variant</b>	
Suited to	: Excavators (8T) & Backhoe loader
Oil Pressure Range	: 28-220 Bar
Oil Flow Range	: 8-71 lpm
Max. Back Pressure	: 20 Bar
Hose Port Diameter	: 1/2" BSP
Cutting Length	: 1500 mm
Max. Cutting Diameter	: 40 mm
Dimensions	: 203 h x 1537 w x 270 d (mm)
Weight	: 69 kg

### EXTENSION

Cutting Length	: 1 m
Combined Cutting Length	: 2.5 m
Max. Cutting Diameter	: 40 mm
Dimensions (mm)	: 118 h x 1192 w x 225 d
Weight	: 69 kg

### OFFSET MOUNT

Max. Offset Distance	: 1.3 m
Cutting Angle	: Horizontal thru Vertical
Operating Voltage	: 12V
Dimensions (mm)	: 420 h x 245 w x 1510 l
Weight	: 56 kg

### SUITABLE TO TRIM

- Grass
- Bushes
- Protruding Branches

\* Weight will vary subject to mounting type & extension



## APPLICATION



URBAN DEVELOPMENT



BUSH TRIMMING

# HYDRAULIC ELECTROMAGNET

Hydraulic Electromagnets convert the hydraulic power of the excavator to magnetic force. These magnets enable easy handling of metal scraps in different applications. Usage of the Quick Coupler makes the mounting and switching of the attachment easier and faster. These electromagnets contribute to increased productivity with minimal machine downtime and can work efficiently. Additionally, they do not require any modifications or maintenance.

## APPLICATION

- Metal scrap handling and separation in:
  - Scarp yards
  - Demolition site
  - Construction site
  - Recycling plant
- Railways / roadside cleaning
- Loading and unloading from trucks, trains etc.



## SPECIFICATIONS

	MODELS	75IP	85IP	96IP	105IP	114IP	126IP	150IP
<b>Excavator Weight Class (Ton)</b>		<b>8-15</b>	<b>10-16</b>	<b>13-20</b>	<b>17-25</b>	<b>20-28</b>	<b>24-35</b>	<b>30-40</b>
Min. Flow (L/min)		50	50	60	70	80	100	120
Max. Flow (L/min)		120	120	130	140	140	150	150
Max. Pressure (Bar)		200	200	200	200	200	200	200
Diameter (mm)		750	850	960	1050	1140	1260	1500
H base (mm)		245	245	260	270	270	270	300
H including chain/plate (mm)		750	750	750	800	800	800	830
Power (kW)		2.6	3.4	4.5	5.5	6.0	7.5	12
Weight (Kg)		680	820	940	1300	1400	1700	2650
Voltage (V)		220	220	220	220	220	220	220

## APPLICATION



SORTING



WASTE HANDLING



CLEANING SITES



LOADING

# VIBRO RIPPER

The Vibro Ripper is a hydraulic attachment for excavators that ensures an 80% increase in productivity for various work applications, especially in soft to medium-hard strata, compared to a hydraulic hammer. Additionally, it outperforms other hydraulic rippers available in the market, offering both low maintenance and high performance.



## HIGHLIGHTS

- Higher productivity than hydraulic breakers\*
- More powerful than other standard rippers.
- Multiple tool options - three tools for one ripper.
- Minimum vibration for excavator and operator in hard-rock application.
- Minimum noise as per global standards.
- Easy on-site maintenance & low operational cost.
- Suitable for underwater applications without special devices.

## SPECIFICATIONS

Model	Unit	SR25	SR30	SR40	SR50	SR80
Operating Weight	kg	2620	3450	4440	5600	10500
Dimension[AxBxC]	mm	787x1148x2870	863x1321x3231	915x1401x3385	1060x1554x3665	1404x1600x4100
Chisel Diameter	mm	110	120	130	140	180
2nd Relief Setting Pressure	bar	250	250	280	280	300
Operating Pressure	bar	180-220	180-220	210-250	210-250	240-270
Oil Flow	lpm	170-200	180-220	240-280	250-310	500-560
Frequency	bpm	2,500-3,500	2,500-3,200	2,000-2,800	2,000-2,800	2,200-2,500
Air Spring Nitrogen Pressure	bar	4	5	5	5	5
Excavator Weight Class	ton	20-25	30-40	40-50	60-70	80-120

## APPLICATION



MINING



INFRASTRUCTURE DEVELOPMENT



DEMOLITION & CRUSHING



TUNNEL

# SUPER LONG REACH

## APPLICATIONS

- Desilting operations in ports, canals & lakes.
- Road construction & bridges.
- Agriculture well rejuvenation.
- Miscellaneous applications such as salt pans & fly ash handling.
- Inland waterways development.
- Seawall construction & Dredging.
- Urban construction work.



## SPECIFICATIONS

Excavator Weight Class	Length		Max. Reach		Max. Depth		Max. Height		Boom Height		Approximate Bucket Capacity
	m	ft	m	ft	m	ft	m	ft	m	ft	
11-14 ton	12	40'	11.9	39'10"	7.9	25'11"	12.35	40'6"	2.3	7'6"	0.35
20-22 ton	14.5	47'5"	14.5	47'5"	11.05	36'2"	12.11	39'7"	2.3	7'5"	0.5
	15.5	50'8"	15.5	50'8"	11.62	38'1"	13.5	44'2"	2.5	8'2"	0.4
33-38 ton	18.5	60'	18.5	60'	13.9	54'7"	16.15	52'11"	3.15	10'4"	0.7
40-45 ton	21	69'	21	69'	13.95	45'9"	15.4	50'6"	3.7	12'1"	0.8
60-68 ton	23.5	77'	23.5	77'	17	55'9"	19.95	65'5"	3.95	12'11"	1.5
80-95 ton	23.5	77'	23.5	77'	17.35	56'11"	19.95	65'5"	4.25	13'11"	1.6
	25	82'	25	82'	18.65	61'2"	20.95	68'8"	4.35	14'3"	1.5
100-125 ton	25	82'	25	82'	17.6	57'8"	21	68'10"	5.35	17'6"	2
	27	88'	27	88'	20.4	66'11"	18.8	61'8"	5.35	17'6"	1.8

Note- Long reach length & bucket capacity will vary upon application, hence consult with relevant team before offering to customer.

## APPLICATION



DREDGING



EROSION CONTROL AND PREVENTION



MAINTENANCE & CLEANING OF RIVERS, LAKES, SHORELINES, PONDS, ETC

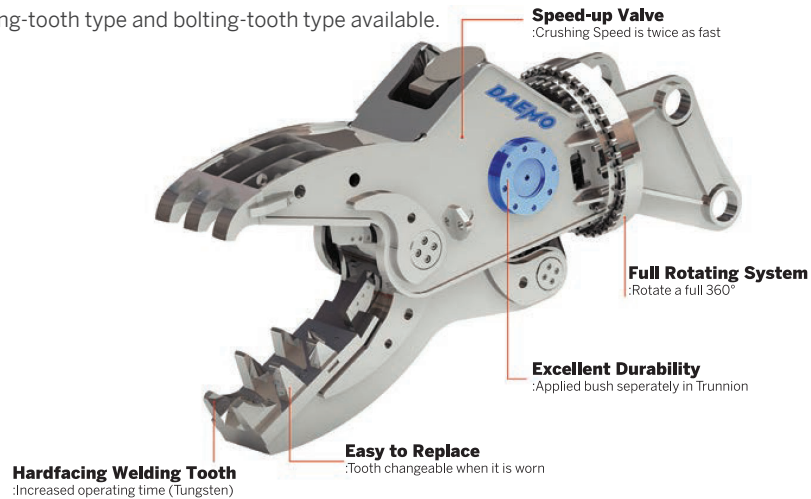


DRAINAGE / LAND RECLAMATION WORK IN CITIES

# ROTATING CRUSHER

## FEATURES


- 360° workable direction.
- Workable on narrow building spaces or noise-regulated environment.
- Speed-up valve accelerates work speed. (Optional)
- Moving arm tooth replaceable as standard.
- Welding-tooth type and bolting-tooth type available.



## SPECIFICATIONS


Description	Unit	DMC230R	DMC230RB	DMC330R	DMC330RB
Operating Weight	kg	2,250	2,300	3,050	3,100
Maximum Opening Width	mm	780	780	890	890
Overall Length	mm	2,500	2,480	2,660	2,685
Crushing Force (End)	ton	57	57	73	73
Operating Pressure	Bar	320	320	320	320
Oil Flow Rate	Lpm	200~250	200~250	250~300	250~300
Excavator Weight Class	Ton	20~28	20~28	27~38	27~38

## APPLICATION




**STEEL STRUCTURES**

- Cutting Steel Profiles
- Cutting Steel Girders/Beams
- Cutting Reinforcement




**REINFORCED CONCRETE**

- Primary Demolition
- Secondary Demolition



**NON-REINFORCED CONCRETE**

- Primary Demolition
- Wall Elements
- Secondary Demolition



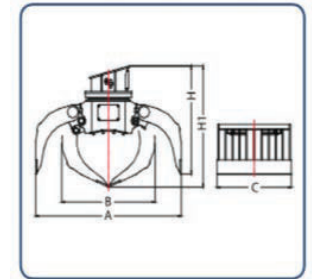
**LIGHT DEMOLITION**

- Light Structure
- Masonry
- Beams
- Inside Renovation

# SORTING GRAPPLE/RAKE

## FEATURES

- Link type/ Pendulum type mounting
- Rotation option type: fixed or hydraulic.
- bracket depending upon site requirement.
- Tooth replacement version.



## SPECIFICATIONS

Description	Unit	DMR600	DMR800	DMR1000
Operating Weight	kg	970	1300	2200
Capacity	m3	0.36	0.6	0.93
Max Clamping Force	ton	3.7	5	7.4
A	mm	1790	2180	2445
B	mm	1210	1356	1485
C	mm	800	1000	1100
H	mm	1216	1437	1595
H1	mm	1379	1682	1900
Excavator Weight Class	Ton	14~18	18~25	25~38

## APPLICATION



**SORTING**



**WASTE HANDLING**



**CLEANING SITES**



**LOADING**

# SHEAR

## FEATURES

- 360° workable direction.
- H-beam and I-beam can be cut in a single cut.
- Easier cutter replacement.
- Speed-up valve accelerates work speed.
- Speed-up valve as standard for DMS400, DMS550X, DMS700.



## SPECIFICATIONS

Description		Unit	None Guide Block Type			Guide Block Type			
			DMS250	DMS300	DMS330	DMS360	DMS400	DMS550X	DMS700
Operating Weight		Kg	2,200	2,920	2,790	3,450	5,300	6,800	7,900
Max. Opening Width		mm	668	570	806	456	710	802	896
Overall Length		mm	2,353	2,410	2,588	2,690	4,625	5,050	5,480
Cutting Force (Max)		Ton	259	370	347	495	1,150	1,500	1,750
Operating Pressure		Bar	320	320	320	320	340	340	340
Oil Flow Rate		Lpm	200~250	250~300	250~300	290~320	200~320	250~320	320~
Excavator Weight Class		Ton	22~27	27~33	27~33	33~45	25~ (2nd)	36~ (2nd)	42~ (2nd)
							41~ (3rd)	50~ (3rd)	73~ (3rd)
Cutting Capability	H-Beam	mm	150×150	200×200	200×200	300×300	350×350	380×380	450×450
	I-Beam		200×125	300×150	300×150	350×150	400×175	600×190	600×190
	Solid Round		40	50	50	60	70	80	90
	Channel Plate		250×90×13	380×100×16	380×100×16	425×100×10	425×100×10	425×100×10	425×100×10
	Angle Plate		100×100×10	150×150×15	150×150×15	200×200×20	200×200×25	250×250×25	250×250×30

## APPLICATION



METAL RECYCLING



STEEL MILLS



INDUSTRIAL DEMOLITION



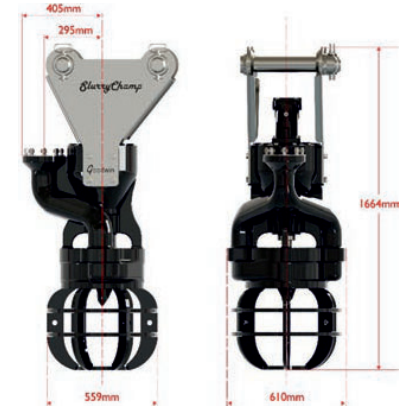
SHIP DEMOLITION

# SLURRY PUMP

## FEATURES

### Hydraulic Submersible Slurry Pump

- Construction Site Dewatering Activities
- River water and dam desilting
- Power plant ash removal and cleaning
- Lagoon dredging and silt removal
- Harbour and dry-dock cleaning
- Sewage and waste transfer
- Minerals processing - separation, purification, concentration
- Open pit mine dewatering
- Mine tailings recovery and reprocessing
- Steel slag transport
- Rolling mill scale and metal cutting swarf transport



## SPECIFICATIONS

Excavator Weight Class		10 Ton - 30 Ton
Oil flow rate required for 1500 rpm*		93 lpm
Oil Pressure required for pumping slurry up to 2.8 kg/l sg **		275 bar
Maximum Pumped Slurry Specific Gravity (sg)		2.8 kg/l
Maximum Pumped Slurry Solids Content		65 % by weight
Maximum Pumped Particle Size		32 mm dia
Recommended pH Range		4-10
Weight of Pump with Quick Hitch Frame		510 kg
Pump Outlet Diameter		100 mm
Maximum Flow at Minimum Head		230 m3/h
Maximum Head at Minimum Flow		37 m
Maximum Submergence Depth ***		28 m
Flow & Head Data given above is for optimum operating speed		1500 rpm
Output Delivery Pipe diameter		100 mm      125 mm
<b>Illustrative Pumping Parameters @1500 rpm</b>		
Pumping Lift	10 m	10 m
Pumping Distance	300 m	500 m
Minimum Slurry Flow Rate to avoid Pipeline Blockage	60 m3/h	80 m3/h

## APPLICATION



CONSTRUCTION SITE DEWATERING



OPEN PIT MINE DEWATERING



STEEL SLAG TRANSPORT

# TRENCHER

Introducing an exceptionally durable and reliable Trencher, a game-changer for challenging trenching projects. This effortlessly cover depths from 0.6 m to 1.5 m while minimizing soil disruption. It offers an efficient and time-saving solution that reduces laborious tasks

## APPLICATION

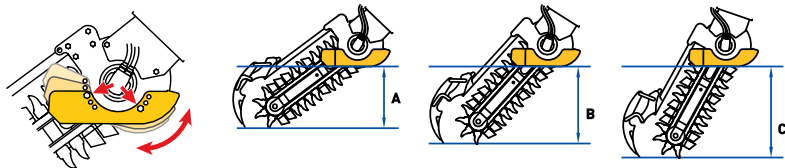
- Ground Heat Pump Systems
- Drainage & Irrigation
- Gas / Water Piping
- Electric Cable
- Fiber Optic Cable
- Hedge & Small Tree Planting



## SPECIFICATIONS

Models	MT600	MT900	XHD 900	XHD 1200	XHD 1500
Excavator weight Class (Ton)	2.5-4.5	3.0-5.0	5.0-7.5	5.0-7.5	5.0-10.0
Oil Pressure Range (Bar)	160-240	180-240	180-240	180-240	180-240
Oil Flow Range (lpm)	35-65	45-80	60-95	70-115	81-135
Unit Width (mm)	850	850	1018	1018	1018
Unit Height (mm)	736	736	808	808	808
Unit Length (mm)	1465	1800	1962	2262	2562
Cutting Width Range (mm)	100-300	100-300	150-350	150-300	150-200

## TRENCH DEPTH CAPABILITY



Models	Depth A	Depth B	Depth C
MT600	300 mm	450 mm	600 mm
MT900	600 mm	750 mm	900 mm
XHD 900	600 mm	750 mm	900 mm
XHD 1200	800 mm	1000 mm	1200 mm
XHD 1500	1000 mm	1250 mm	1500 mm

## APPLICATION



INFRASTRUCTURE DEVELOPMENT



URBAN DEVELOPMENT



SMALL TREE PLANTATION



ELECTRIC CABLE



PIPE LAYING

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