

A RANGE OF ATTACHMENTS

TO PERFORM VARIED APPLICATIONS



EXTENSIVE RANGE OF APPLICATION SOLUTIONS

CONTENTS

Application	Products
Infrastructure Development	- Rock Breakers - Super Long Reach - Rotating Crushers - Plate Compactor - Sorting Grapple / Rake - Drum Cutter - Hydraulic Electromagnet - Trencher - Slurry Pump
	Alicon & New Alicon Super+ &
	Intelligence Series Rock Breaker (
	Magnum Rock Breaker)
	Quick Coupler *
	GTT Tilt Coupler +
	Auger #
	Ripper Tooth ##
	Clamshell Bucket \$\$
	Material Handler #%
Demolition / Crushing	Orange Peel Grab #&
	Drum Cutter #
	Wood Grapple #
	Plate Compactor #
	Mulcher #
	Hedge Trimmer #
	Hydraulic Electromagnet #
	Mining Rock Breakers \$
Mining	Drum Cutter #
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Urban Development	- Rock Breakers - Super Long Reach - Rotating Crushers - Sorting Grapple / Rake - Orange Peel Grab - Plate Compactor - Clamshell Bucket - Mulcher - Hedge Trimmer - Auger - Shear - Slurry Pump - Hydraulic Electromagnet - Trencher
	Dozer Blade \$"
	Super Long Reach \$\$
	Rotating Crusher \$\$
	Sorting Grapple/Rake \$\$
	Shear \$\$&
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	Trencher \$(
	Crusher Bucket \$)
	Solar Panel Lifter \$*
	Shinrai Graple \$+
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Inland Waterway Developments	- Super Long Reach
	- Slurry Pump
Irrigation - Canal Excavation	- Rock Breakers
	- Super Long Reach
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	- Slurry Pump
Metal Recycling / Material Handling	- Shear
	- Orange Peel Grab
	- Clamshell Bucket
	- Sorting Grapple / Rake
	- Material Handler
	- Hydraulic Electromagnet
Forestry	- Wood Grapple
	- Auger
	- Trencher
Tunnelling	- Rock Breakers
	- Drum Cutter
	- Ripper Tooth
Others	- 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	B30	B60 Super	B70	B145 Super+	B215 Super+	B235 Super+	B360
Excavator Weight Class ¹⁾	Ton	2-4	4-8	6-8	10-15	18-25	18-25	28-40
Operating Weight ²⁾	kg	180	375	431	959	1,817	1,856	2937
Oil Flow	LPM	25 - 45	35-70	45 - 80	90-110	110-160	130-170	180-250
Operating Pressure	Bar	80-120	100-140	100-140	120-160	130-170	130-180	140-180
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)
Overall Length (w/STD.MTG.BKT)	mm	1334	1635	1805	2,263	2,841	2,841	3200
Chisel Diameter	mm	53	75	78	105	135	140	155
Chisel Length	mm	570	780	806	975	1,300	1,300	1400
Tata Hitachi Suitable Machine	Model	TMX20 Neo/ ZX23U/ZX33U	SHINRAI PRIME/ SHINRAI PRO	EX70 Prime / SHINRAI PRIME/ SHINRAI PRO	EX130/ ZX140H	EX200LC / EX210LC / ZX220LC/EX215LCQ	EX200LC / EX210LC / ZX220LC	ZX370LCH

CHOICE OF OPTIONS

		Standard	Option	N/A
Underwater Works	—	—	—	●
Auto-Greasing System Hole	—	●	●	●
TPC ³⁾ 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



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	BR77i	BR1655i	BR2577i	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 ft 700 (S)*	370 - 530 (L)* 450 ft 620 (S)*	300 - 520 (L)* 355 ft 645 (S)*
Chisel Diameter	mm	80	115	135	142	166	190	215
Tata Hitachi Suitable Model	Model	SHINRAI PRIME/ SHINRAI PRO/ EX 70 Prime	EX 130/ ZAXIS 140H	EX 2 OLC, EX 2 OLC ZAXIS 2 OBC/EX 2 5ICQ ZAXIS 2 OBC-M	ZAXIS 37 LD H ZAXIS 400MT H	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



DEMOLITION & RENOVATION

- Masonry Structures
- Concrete Structures
- Composite Steel
- Pavements fiAsphalt, Concrete



CONSTRUCTION

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

Standard Option N/A

MAGNUM ROCK BREAKER

Introducing the all new Magnum 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, thereby 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	MRB35	MRB65	MRB150	MRB215
Excavator Weight Class	2.0-4.0 Ton	4.5-8.0 Ton	10.0-16.0 Ton	18-26 Ton
Operating Weight (*)	190 Kg	400 Kg	940 Kg	1725 Kg
Overall Length	1352 mm	1767 mm	2310 mm	2670 mm
Chisel Diameter	53 mm	75 mm	105 mm	135 mm
Chisel Length	550 mm	700 mm	1000 mm	1200 mm
Setting Pressure	150bar	175 bar	200 bar	210 bar
Operating Pressure	90-120 bar	100-150 bar	120-180 bar	160-190 bar
Optimal Oil Flow	25-50 lpm	50-90 lpm	80-110 lpm	110-170 lpm
Impact Rate	600-1100 bpm	400-700 bpm	350-800 bpm	350-550 bpm
Back Head Pressure	14-16 kg/cm ²	14-16 kg/cm ²	14-16 kg/cm ²	14-16 kg/cm ²
Anti-Blank Firing	NA	Yes	Yes	Yes
2-Stroke Control	NA	NA	Yes	Yes
Auto Greasing	NA	Optional	Optional	Optional
Accumulator	NA	NA	NA	Yes
Frame Bottom Plate Thickness	20 mm (HB450)	30 mm (HB450)	40 mm (HB450)	50 mm (HB450)

APPLICATION



MINING & QUARRYING

- Primary Breaking
- Secondary Breaking



METALLURGICAL INDUSTRY

- Slag Recycling
- Cleaning & Debricking



DEMOLITION & RENOVATION

- Masonry Structures
- Concrete Structures
- Composite Steel
- Pavements fiAsphalt, 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 Models		Shinrai Prime/Shinrai Pro

GTT TILT COUPLER

Tata Hitachi's GTT quick hydraulic tilt coupler delivers exceptional versatility whilst enabling fast and easy attachment changes. Achieving up to 180° of tilt rotation, operators can achieve a wide range of motion, simplifying a complex job whilst remaining in just one position. Increasing productivity, our lightweight tilt coupler can often eliminate the need for additional specialized equipment, reducing costs.

FEATURES

- Lower Offset Design
- Front Latch
- ISO Hook
- Lifting Eye
- 180 Rotary Actuator
- Cast Frame



SPECIFICATIONS

GTT Range	Excavator Mass (t)	Coupler Mass (Kg)	Pin Diameter (mm)	Rotation (°)	Mini Pickup Width (mm)	Pin Pickup Range (mm)
Range 0A	1 - 1.5	32.9 - 34.2	30	180	94 / 96	85 - 118
Range 0B	1.5 - 2	34.9 - 35.5	30	180	103	121 - 161
Range 1A	2	87.7 - 89	35	180	105	125 - 150
Range 1B02	2 - 3	90.8 - 92.7	35	180	117	160 - 200
Range 1B01	3 - 3.5	94.4 - 95.5	38 / 40	180	117	172 - 215
Range 2A	5	125.9	45	180	144	220 - 285

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



RIPPER TOOTH

The 20 / 30 Ton Ripper is designed for heavy-duty excavation tasks, offering superior performance and durability. Whether you're working with hard rock, compact soil, or frozen ground, the 20 / 30 Ton Ripper enhances your digging efficiency, ensuring faster completion of demanding projects. Built for strength and versatility, this attachment is the perfect tool for tough environments.

FEATURES

- Designed to penetrate hard ground, rock and frozen earth.
- Holds the ripper tooth in place and transmits force from the excavator to the tooth.
- Ensures the ripper tooth stays attached during tough operations.
- Reduce wear and tear, extending the life of your equipment.



BENEFITS

- Made with high-strength material, ensuring extended lifespan and robust performance.
- Precision-engineered tooth profile for improved penetration and reduced operational resistance.
- Suitable for a wide range of applications, including rock excavation and hard soil breaking.
- Minimizes wear on machinery while improving overall productivity.
- User-friendly design allows for quick and hassle-free installation.

SPECIFICATIONS

Description	Weight (kg)	Height from Mounting Pin (mm)
20 Ton	587	1088
30 Ton	852.5	1488

APPLICATION



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.



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	m ³	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	m ³	kg	Ton
600.27	18-30	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)
ZAXIS 370LCH	12m
ZAXIS 470H	14m
ZAXIS 650H	16m

APPLICATION



HIGH VOLUME
BULK MATERIAL
HANDLING



IDEAL FOR LOADING &
UNLOADING BULK
CARGO AT DOCKS



REPLACES CABLE
OPERATED MATERIAL
HANDLING MACHINES.



MATERIAL
HANDLING



LOADING AND
UNLOADING

Industrial wastes,
grains, sands, etc.

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	m ³	0.8
Excavator Weight Class	Ton	18-25
Standard Tines	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
HiOG	Ton	m ³	Open	Semi open	Closed	No.	Ton
600.25	18-30	0.6	1245	1310	1395	5	3.5
800.25	18-30	0.8	1270	1330	1440	5	3.5
2000.28-S	20-40	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

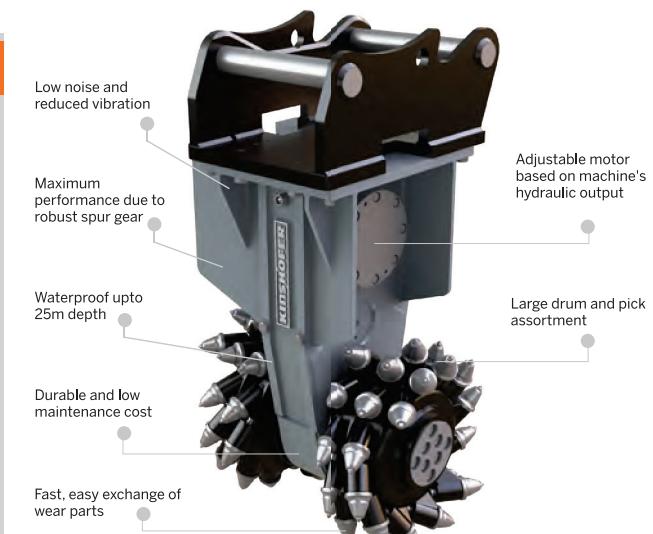
DRUM CUTTERS

FEATURES

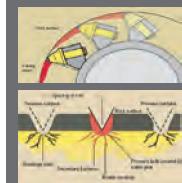
LET'S CUT TO THE CHASE

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

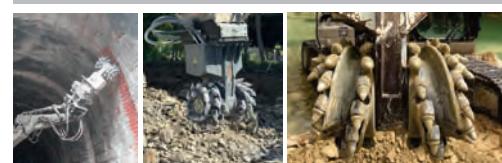


CUTTING TECHNIQUE



More than the performance of the cutter (kW), it is the pick force and cutting head torque which creates the optimal cutting operation. The optimum arrangement of the picks guarantees a high loosening rate of the rock and a low overall wear rate – as a smoother cutting action reduces vibration on the excavator.

Optional 360° degree rotation



Parameters	KDC04	KDC06	KDC08	KDC15	KDC20	KDC30	KDC35	KDC45	KDC60	
Excavator Size	Ton	2-4	2-4	2-8	8-15	12-20	18-30	25-35	25-45	40-60
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	mps	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	43600
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	56	64	80
Drum Diameter	mm	350	350	350	405	550	615	615	760	760
Cutting Width	mm	500	500	500	630	750	900	900	1,200	1,400
Height	mm	615	615	615	740	965	1095	1095	1,345	1,345
Max Cutting Force	kN	13	16	29	40	36	44	79	95	114

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



WOOD SORTING



WOOD HANDLING



WOOD LOADING/UNLOADING



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
Excavator Weight Class	Ton	2-7	8-15	15-22	25-47

APPLICATION



ROAD CONSTRUCTION



SEWER & TRENCH CONSTRUCTION



SLOPE COMPACTION



EXTENSION FOR COMPACTING NARROW TRENCH



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

REMOVEABLE PUSH BAR & PRESSURE GAUGE

Easily convert from backhoe loader to excavator operation - remove the push bar & pressure gauge to help save on weight & bulkiness when attached to excavators.

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

Descption	Units	VM1000	VM1500
Motor Type		Standard Gear Motor	Standard Gear Motor
Oil Pressure Range	Bar	160 - 180	220 - 240
Optimum Oil Pressure	Bar	180	240
Oil Flow Range	LPM	60-70	85 - 95
Optimum Oil Flow	LPM	70	95
Drum Cutting Speed (parent machine dependant)	rpm	up to 2400	up to 2400
Cutting Drum Width	mm	1000	1500
Processes Trees Diameter	mm	up to 120	up to 250
Dimension (h x w x d)	mm	694 x 1260 x 802	865 x 1830 x 1002
Weight	kg	400	800
Suitable for		Excavators & Backhoe Loader (5T to 10T)	Excavator (10T to 15T)



APPLICATION



URBAN DEVELOPMENT



MULCHING

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

Motor Variant	50cc	800cc	100cc
Suitable to	Excavator (2.5 T - 4.5 T)	Excavator (4.5 T - 8 T)	Excavator (8 T) & Backhoe Loader
Oil Pressure Range	28 - 220 Bar	28 - 220 Bar	28 - 220 Bar
Oil Flow Range	8 - 65 lpm	8 - 66 lpm	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:
 - Scrap 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
Excavator Weight Class (Ton)	8-15	10-16	13-20	17-25	20-28	24-35	30-40
Min. Flow (LPM)	50	50	60	70	80	100	120
Max. Flow (LPM)	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

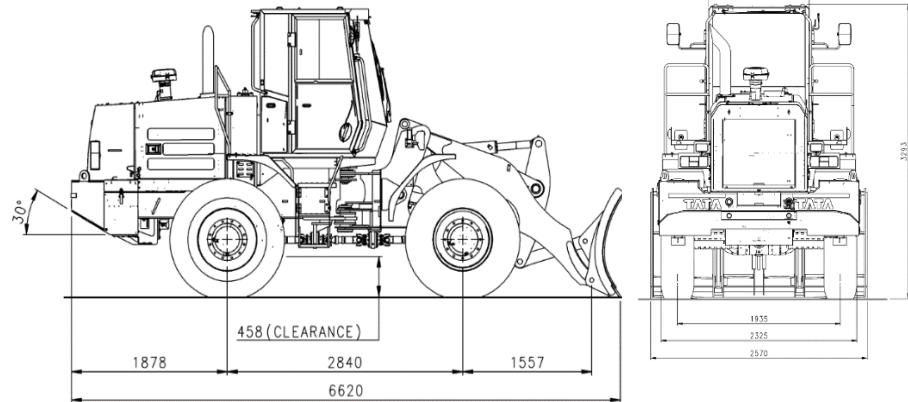


LOADING

DOZER BLADE

FEATURES:

- Available as a factory fitted option
- Heavy duty straight blade design.
- Made from heavy duty steel and equipped with all round support plate for enhanced strength
- Replaceable Hardox-400 wear plates enhance durability of dozer blade
- Convenient interchangeability of dozer attachment with bucket.
- Effective grading in both forward and reverse direction



SPECIFICATIONS

Weight (kg)	Width (mm)	Height (mm)	Suitable model
736	2570	1267	TL 340H Prime

APPLICATION



MINING &
QUARRYING



GENERAL
CONSTRUCTION



ROAD
CONSTRUCTION



SNOW REMOVAL
AND CLEARING

SUPER LONG REACH

APPLICATIONS

- Desilting operations in ports, canals & lakes.
- Agriculture well rejuvenation.
- Inland waterways development.
- Urban construction work.



- Road construction & bridges.
- Miscellaneous applications such as salt pans & fly ash handling.
- Seawall construction & Dredging.



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

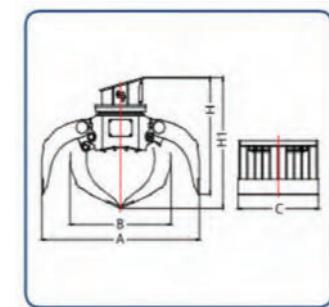
APPLICATION

STEEL STRUCTURES	REINFORCED CONCRETE	NON-REINFORCED CONCRETE	LIGHT DEMOLITION
<ul style="list-style-type: none"> • Cutting Steel Profiles • Cutting Steel Girders/Beams • Cutting Reinforcement 	<ul style="list-style-type: none"> • Primary Demolition • Secondary Demolition 	<ul style="list-style-type: none"> • Primary Demolition • Wall Elements • Secondary Demolition 	<ul style="list-style-type: none"> • Light Structure • Masonry • Beams • Inside Renovation

SORTING GRAPPLE/RAKE

FEATURES

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



SPECIFICATIONS

Description	Unit	DMR600	DMR800	DMR1000
Operating Weight	kg	970	1300	2200
Capacity	m ³	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
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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
Max. Cutting Force	Ton	259	370	347	495	1,150	1,500	1,750t
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	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



SLURRY PUMP

Hydraulic Submersible Slurry Pump

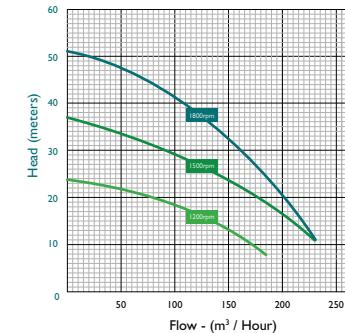
- Construction Site Dewatering Activities
- River water and dam desilting
- Power plant ash removal and cleaning
- Lagoon dredging and silt removal
- Harbour and dry-dock cleaning
- Sewage and waste transfer
- Minerals processing - separation, purification, concentration
- Open pit mine dewatering
-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



Without side cutter



With side cutter(optional)



SPECIFICATIONS

Excavator Weight Class	10 Ton - 30 Ton (Without side cutter)
Oil flow rate required for 1500 rpm*	93 lpm (Without side cutter)
Oil Pressure required for pumping slurry up to 2.0 kg/l sg **	196 bar (Without side cutter)
Maximum Pumped Slurry Specific Gravity (sg)	2.0 kg/l
Maximum Pumped Slurry Solids Content	55 % by weight
Maximum Pumped Particle Size	32 mm dia
Recommended pH Range	4-10
Weight of Pump with Quick Hitch Frame	525 kg (Without side cutter)
Pump Outlet Diameter ***	100 mm

* Recommended pump operational speed is in the range of 1200 to 1800 rpm.

* Oil flow rates need adjustment to work within the full speed range (73 lpm for 1200 rpm) & (108 lpm for 1800 rpm)

** Maximum recommended Oil Pressure is 400 bar

*** Submergence below the liquid level

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

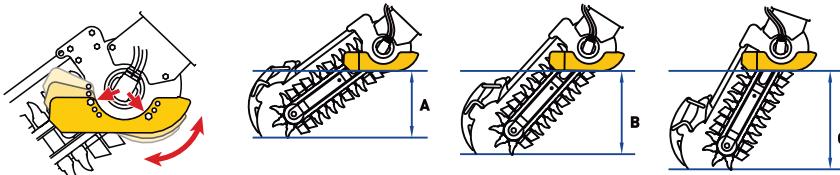
- Ground Heat Pump Systems
- Drainage & Irrigation
- Gas / Water Piping
- Electric Cable
- Fiber Optic Cable
- Hedge & Small Tree Planting



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



CRUSHER BUCKET

Designed for crushing inert material directly on site. Suitable for any type of construction site, it can work in the most difficult conditions while maintaining performance.

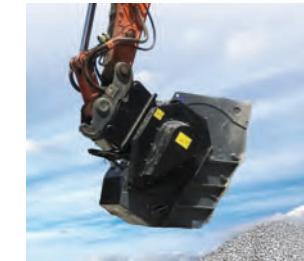
FEATURES

- Body built 90% in wear-resistant material
- Crushing plates made of 18% manganese caste
- Single pressure relief valve and speed regulation
- Centralized greasing
- Output size adjustment from 20 to 140 mm
- Easy and uncomplicated maintenance



Optional Features

- Excavation teeth
- Magnet + Control panel kit



SPECIFICATIONS

Excavator Weight Class	15-25 Ton
Mouth Size	710W x 550H mm
Weight	2400 kg
Load Capacity	0.70 m ³
Pressure	220 bar
Oil Flow	150-200 l/min
Opening	20/140 mm
Dimensions	1100W x 2000D x 1250H mm

APPLICATION



SOLAR PANEL LIFTER

The Solar Panel Lifter system allows easy installation and manipulation of solar panel modules in the field via attachment to a variety of mini-excavators. This system reduces worker fatigue and wind gust concerns, increases worker safety, and gently handles the delicate modules.

FEATURES

- 360° rotation of pads for panel alignment.
- 5 inches of vertical vacuum pad travel protect the panel if misaligned.
- Folding legs for storage.
- Alignment tips to keep cups parallel to the panel during attachment.
- 12V system powered from the excavator's charging system.
- Captured ball joint vacuum pad connections.
- Soft-Silicon vacuum pads prevent damage to panel.
- "Quick-Change" adapters available for various host equipment.
- 300lb standard capacity.



SPECIFICATIONS

Lifter	
Lift Capacity (kg)	136 kg
Weight (kg)	54.4 kg
LxWxH (mm)	815.3 x 764.5 x 1176 mm

APPLICATION



SOLAR PANEL
INSTALLATION

SHINRAI GRAPPLE

The Shinrai Grapple is engineered for fast, secure, and efficient material handling across diverse job sites. Its robust clamping force and wide jaw opening enable easy gripping of logs, scrap, construction debris, and irregular loads. Built with high-strength steel and optimized geometry, it ensures smooth operation, superior stability, and safe handling even in tight working conditions. Ideal for loading, sorting, and site-clearing applications, the Shinrai Grapple enhances productivity while maintaining complete operator control.



APPLICATION



SORTING



WASTE HANDLING



CLEANING SITES



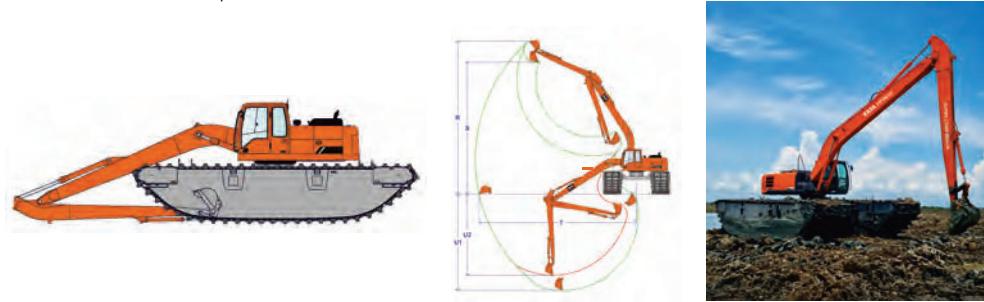
LOADING



METAL RECYCLING

AMPHIBIOUS EXCAVATOR

Engineered with a stable, robust undercarriage, Tata Hitachi's Amphibious Excavator combines the versatility of traditional excavators with seamless navigation in water, muddy terrains, and challenging conditions. Ideal for dredging tasks, it excels on soft grounds like swamps, wetlands, and shallow waters - places standard excavators can't reach.



Description	Amphibious Undercarriage Models		
	EX70	EX130	EX210
A Max. Track Length	6.93	9.29	9.6
B Track Length on Ground	3.2	4.3	4.5
C Rear Upper Structure Length	1.75	2.13	2.91
D Overall Length	8.72	12.63	13.75
E Height of Boom	2.95	3.15	3.59
F Counterweight Clearance	1.8	1.8	2.22
G Overall Width, Min/Max (Outwardly extendables)	3.39/4.19	4.02/5.12	4.50/5.98
H Undercarriage Width, Min/Max	3.36/4.16	3.94/5.04	4.47/5.95
I Track Gauge, Min/Max	2.06/2.86	2.49/3.59	2.85/4.33
J Track Clear Width	1.3	1.45	1.62
K Min. Ground Clearance	1.15	1.12	1.29
L Track Height	1.66	1.69	2.02
M Overall Cab Height	3.7	3.88	4.18
N Upper structure overall width	2.26	2.49	2.61
R Max. Cutting Height	10.15	12.62	14
S Max. Loading Height	8.32	10.38	11.78
T Recommended Outreach	8.29	12.24	14.1
U1 Max. Digging Depth from Front	3.32	8.44	8.49
U2 Max. Digging Depth from Side	3.32	7.03	7.44
Bucket Capacity	0.28m ³	0.35m ³	0.5m ³

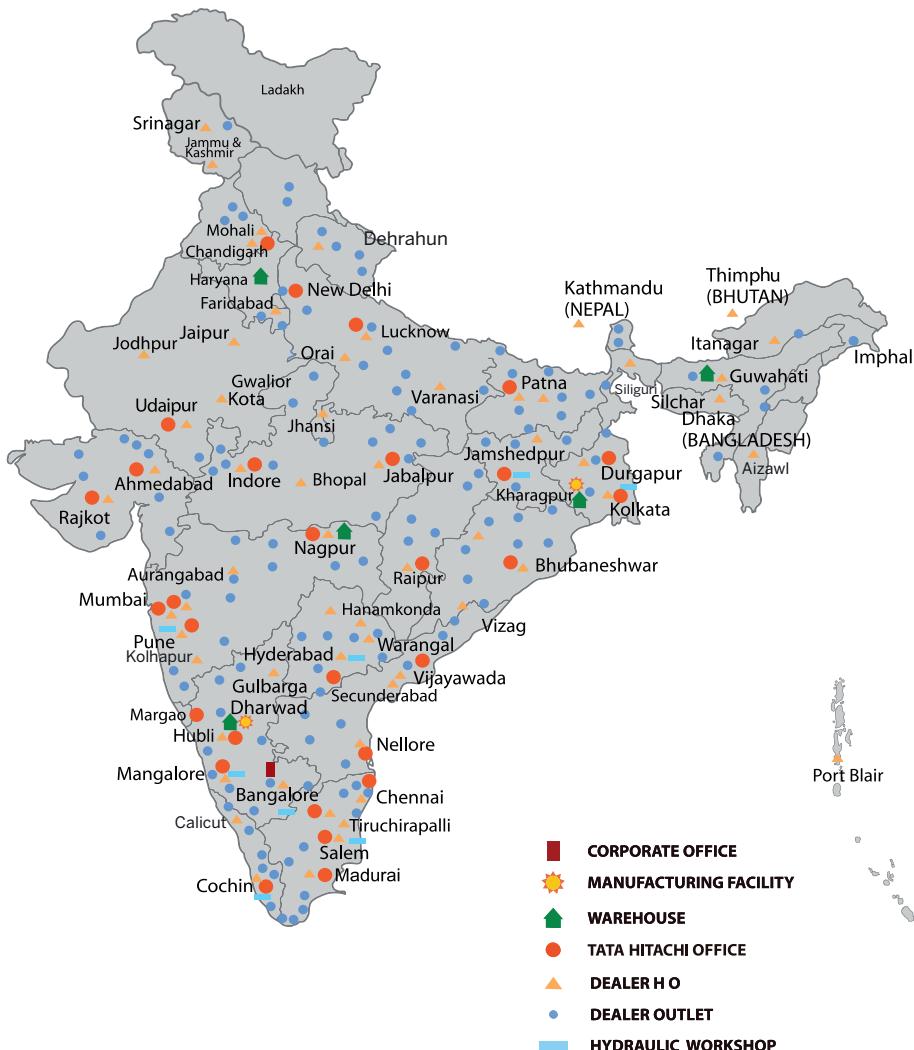
APPLICATION



- CANAL DESILTING
- SALT-WATER DREDGING
- DE-WEEDING OF WATER BODIES
- CONSTRUCTION IN MARSHY AND WETLAND AREAS

- LANDSCAPING AND ENVIRONMENTAL PROTECTION
- EROSION CONTROL AND PREVENTION
- MAINTENANCE OF WATER BODIES
- WATERWAY AND RIVER DELTA DEEPENING

OUR NETWORK



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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.

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