



PRODEM
A Force You Can Depend On

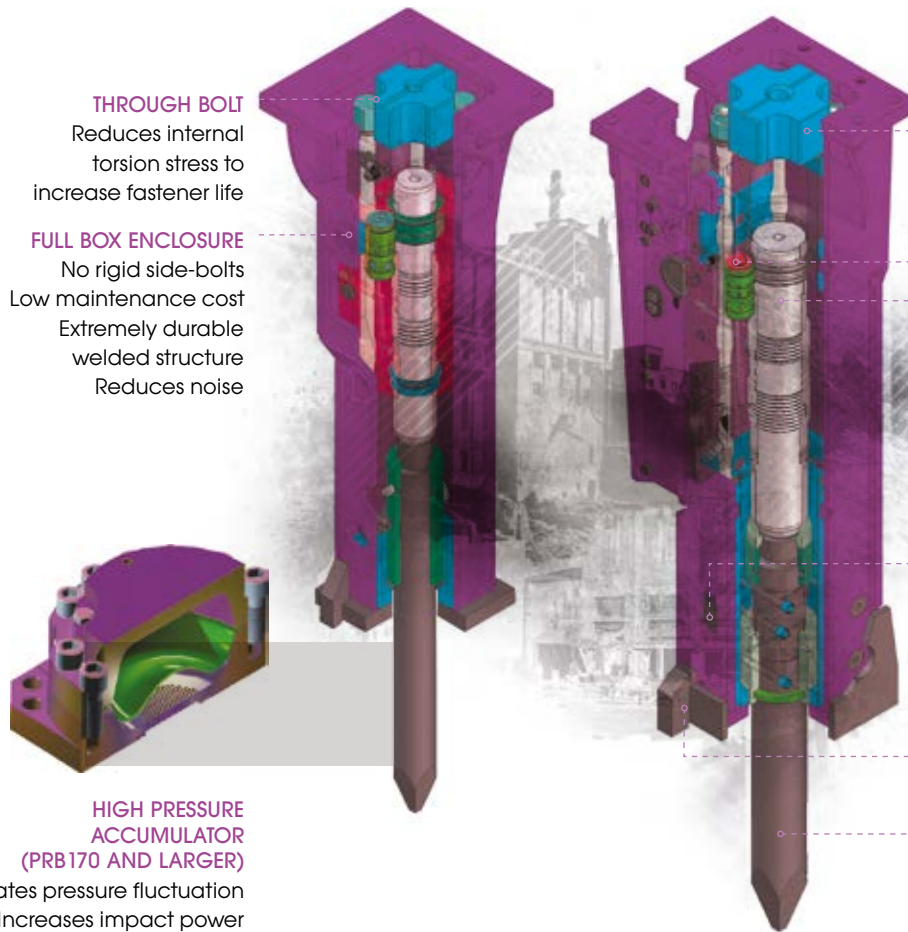
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HYDRAULIC HAMMERS

THE PRODEM PRB SERIES OF VIBRATION DAMPENED SILENCED HYDRAULIC HAMMERS HAVE BEEN DEVELOPED FOR THE TOUGHEST ENVIRONMENTS.



THROUGH BOLT

Reduces internal torsion stress to increase fastener life

FULL BOX ENCLOSURE

No rigid side-bolts
Low maintenance cost
Extremely durable welded structure
Reduces noise

HIGH PRESSURE ACCUMULATOR (PRB170 AND LARGER)

Eliminates pressure fluctuation
Increases impact power

PERFECT CUSHION DAMPER

Optimal damping system made of high-quality elastomer
Minimises recoil shock induced by impact
Reduces noise and vibration

UNIQUE VALVE DESIGN

Lessens pressure fluctuation
Less damage on carrier's pump

LONG PISTON STROKE

Minimises recoil
Eliminates mechanical springs
Special heat-treated and hardened piston

EASY MAINTENANCE

Fewer components
Wide and appropriate openings

HARDENED ROCK CLAW

Resisting wear and abrasion

HIGH-QUALITY WORKING TOOL

Optimized by high-grade steel and heat treatment

FEWER COMPONENTS

>> Around one third of its competitors

ANTI-BLANK FIRING (PRB150 AND LARGER)

>> Significantly reduces blank blow induced failures
>> Less downtime means more productivity

DUAL-SPEED CONTROL (PRB150 AND LARGER)

>> Control blow frequency adjusting to rock density
>> Low power/high speed - concrete breaking, soft rock, reducing boulders
>> High power/low speed - quarry, trenching

CENTRALISED LUBRICATING SYSTEM

>> Single point of entry for quick greasing

OPTIONAL EXTRAS

>> Auto greasing kit: Automatic dispensing of lubricating paste

**“ THIS MACHINE IS INCREDIBLE!
THE PERFORMANCE AND DURABILITY IS
SECOND TO NONE MAKING LIGHT WORK
OF ANY HEAVY-DUTY METAL STRUCTURE
CHEWING IT UP IN SECONDS.”**



TOOL ENERGY RATING

WHAT IS THE TOOL ENERGY RATING?

Assessing and comparing hydraulic hammers has never been easier or more accurate than with the Tool Energy Rating developed by the Mounted Breaker Manufacturers Bureau (MBMB) of the AEM. The AEM is the U.S. based international trade group serving the business needs of construction equipment manufacturers and construction services providers.

The AEM Tool Energy Rating is accepted by hydraulic breaker manufacturers from Finland, France, Germany, Italy, Japan, Korea, Sweden and the United States. PRODEM has been accredited to self certify tool energy ratings obtained through test processes complying with “AEM Measuring Guide.”

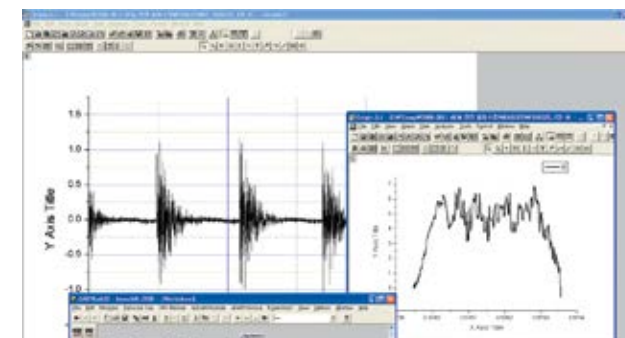


PRODUCT TESTING

HAMMER TEST BENCH

The AEM tool energy rating test bench simulates actual working conditions under controlled environments. Each hammer is tested 25 times observed by the AEM certified tester. Each impact is then measured by strain gauges on the tool bit and recorded and compared with other AEM-MBMB certified breakers.

All variables like flow, pressure, etc which affect impact energy throughout the tests, are averaged to one specific value. By having this test bench, all hammers manufactured complying with AEM-tool energy ratings, give customers a more practical and accurate standard to select a hammer. Only hammers that have been tested and certified under AEM regulation can display AEM-MBMB decal.



HYDRAULIC HAMMERS

PRB SERIES - BA

THE PRODEM PRB SERIES OF VIBRATION DAMPENED SILENCED HYDRAULIC HAMMERS OFFERS POWER, RELIABILITY, INNOVATIVE DURABILITY, LOW OPERATING COSTS AND, ULTIMATELY, CUSTOMER SATISFACTION.

Whilst the PRB Series are fully silenced for sound sensitive job sites, they also provide impressive power for the largest of demolition sites. The PRB Series (PRB150 upwards) benefit from, "Pro-Speed" Dual Speed Control System, Anti-Blank Firing System, Auto-Stop and Auto-Start, Rock Claws, and a single high-pressure accumulator (PRB200 upwards).



TECHNICAL SPECIFICATION



Model	Excavator Weight Class (t)	Working Weight (kg)	Required Oil Flow (l/min)	Operating Pressure (bar)	Max Impact Energy - Low Speed (joule)	Max Impact Energy - High Speed (joule)	Impact Frequency - Low Speed (bpm)	Impact Frequency - High Speed (bpm)	Tool Diameter (mm)	Tool Diameter (inch)
PRB008	0.7-1.5	75	12-22	100-130	N/A	110	N/A	750-1300	42	1.65
PRB010	0.7-3	123	15-25	100-130	N/A	180	N/A	700-1200	45	1.80
PRB030	1.5-4.5	149	20-35	100-130	N/A	300	N/A	550-1000	50	2.0
PRB040	2.5-6	209	30-50	110-140	N/A	450	N/A	550-1000	58	2.3
PRB050	3.5-8	294	35-65	130-170	N/A	700	N/A	550-1000	68	2.7
PRB060	5-11	424	45-90	130-170	N/A	1000	N/A	520-1000	80	3.2
PRB100	7-15	537	60-110	140-180	N/A	1350	N/A	500-1000	93	3.7
PRB150	12-20	974	80-140	140-180	2500	2150	380-700	550-850	105	4.1
PRB170	14-24	1270	110-170	160-180	2800	2200	350-600	550-750	117	4.6
PRB200	16-25	1564	100-150	160-180	3500	2800	340-550	440-700	125	4.9
PRB250	20-30	1662	130-180	160-180	4300	3200	330-500	430-650	135	5.3
PRB300	26-35	2492	170-240	165-185	6100	4200	310-490	400-680	150	5.9
PRB400	32-45	3100	200-280	165-185	7600	6000	330-450	420-600	165	6.5
PRB500	40-70	4200	230-330	165-185	10400	7900	250-370	350-500	180	7.1
PRB700	60-110	6700	320-420	165-185	13000	10000	280-370	370-480	205	8.07
PRB1000	85-140	10070	410-530	165-185	17000	14000	260-340	360-470	245	9.65

HYDRAULIC HAMMERS

SL & NL

THE PRODEM SKIDSTEER AND BACKHOE SERIES HAVE BEEN SPECIFICALLY DESIGNED WITH THE OPERATOR IN MIND OFFERING EASE OF MOUNTING, INCREASED VISIBILITY AND IMPROVED PERFORMANCE.



SKIDSTEER SERIES – SL
Developed for skidsteer loaders to meet the market requirement of higher impact energy and optimal performance.



BACKHOE SERIES – NL
Developed for backhoe loaders to meet the required design for fold-away transportation by road.

“ THE PRODEM HAMMER IS THE BEST I’VE EVER USED. THEY ARE VERY RELIABLE AND IF YOU NEED A SPARE PART THEY’RE READILY AVAILABLE AND INEXPENSIVE. ”

Model	Working Weight (kg)	Required Oil Flow (l/min)	Operating Pressure (bar)	Blow Frequency (bpm)	Impact Energy (joule)	Tool Shank Diameter (mm)	Excavator Weight Class (t)
PRB040-SL	290	50-70	110-140	550-1000	450	Ø58	2.5-8
PRB050-NL	274	35-65	130-170	550-1000	700	Ø68	3.5-8
PRB060-NL	401	45-90	130-170	520-1000	1000	Ø80	5-11
PRB100-NL	485	60-110	140-180	500-1000	1400	Ø93	7-15

HYDRAULIC HAMMERS

PRIME SERIES BA & SA

HOSE SWIVELS

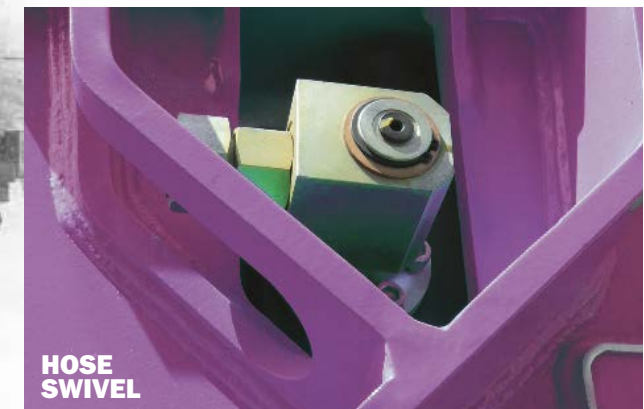
- » Swivel joint on main feed/return hoses
- » Standard from PRB150 to PRB700
- » Increased hose life
- » Easy servicing
- » Fully protected hoses

PRO-LUBE AUTOMATIC GREASING SYSTEM

- » Long service life
- » Ease of maintenance
- » Lower operating costs
- » Screw type replacement cartridges
- » Prolonged tool life



**PRO-LUBE AUTOMATIC
GREASING SYSTEM**



**HOSE
SWIVEL**

HEAVY-DUTY SELECTOR GRABS

PRODEM HEAVY-DUTY SELECTOR GRABS ARE DESIGNED FOR SELECTIVE DEMOLITION, SORTING AND LOADING OF RECYCLABLE MATERIALS.

BENEFITS OF PRODEM SELECTOR GRABS

- » Low weight
- » Short height
- » Standard, reversible and changeable wear blades
- » Motionless cylinders prevent hose wear
- » Cylinders with end damping
- » Long hinge arms to the cylinder for a greater closing power
- » Heavy-duty turning joint seals
- » The grease nipples are easy to reach, direct into pin bushes
- » The PSG1003-D upwards have two rotate motors which gives increased rotate power
- » One piece perforated shell skins manufactured from HARDOX – increased strength, lighter and more durable

**CONTINUOUS 360°
HYDRAULIC ROTATION**
Twin rotation motor ensures powerful and accurate equipment operation (Twin motors PSG1003-D upwards)

UNIQUE FRAME DESIGN
Gives maximum protection

**WEAR RESISTANT
QUALITY MATERIALS**
Used for maximum durability and minimum downtime

**MAXIMUM CLOSING
AND GRAB FORCE**

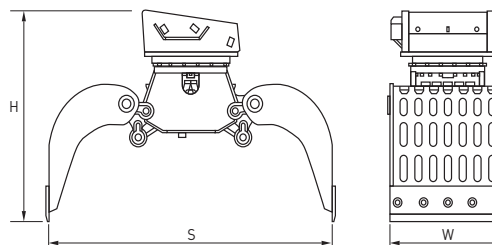
**REPLACEABLE
CUTTING EDGE**
For easy and cost saving maintenance

WIDE OPENING
For higher capacity

“ I HAVE USED THE PRODEM SELECTOR GRABS NOW FOR MANY YEARS AND WOULD STRONGLY RECOMMEND THEM TO ANY USER. THEY’RE POWERFUL, EASY TO MAINTAIN AND SERVICE, STRONG AND STAND UP TO THE TOUGHEST JOBS. ”

TECHNICAL SPECIFICATION

- >> High-quality manufacturing and quick delivery times for grabs and parts
- >> To suit 0.7 - 200 ton excavators



“ THE PRODEM PSG 13000-D IS THE WORLD’S LARGEST SELECTOR GRAB WEIGHING A MASSIVE 13 TONS. ”

Model	Excavator Weight Class (t)	Working Weight (kg)	Max Pressure - Open/Close (bar)	Max Oil Flow - Open/Close (l/min)	Min Pressure - Rotation (bar)	Max Pressure - Rotation (bar)	Max Oil Flow - Rotation (l/min)	Width W (mm)	Max Opening S (mm)	Height H (mm)	Capacity (l)	Closing Force (kn)
PSG75-D	0.7-1.2	75	300	15	150	170	5	300	600	600	30	6
PSG100-D	1-2	90	300	20	170	210	5	350	770	610	40	0.7
PSG150-D	1.2-3	140	300	25	150	170	10	450	750	700	70	15
PSG200-D	2.5-5	240	300	35	150	170	10	500	1160	850	100	20
PSG400-D	4-7	350	300	40	150	170	12	600	1400	950	150	23
PSG450-D	5-9	400	300	50	150	170	12	700	1500	1000	200	24
PSG452-D	6-11	450	320	70	190	210	15	700	1550	990	200	24
PSG503-D	7-12	600	350	90	190	210	15	600	1800	1150	300	30
PSG603-D	10-16	840	350	100	190	210	25	800	1800	1200	400	35
PSG803-D	12-20	1000	350	120	190	210	25	800	1950	1300	500	46
PSG903-D	13-20	1050	350	120	190	210	25	900	1950	1300	600	46
PSG1003-D	15-20	1100	350	120	190	210	25	1000	1950	1300	700	46
PSG1100-D	16-24	1400	350	150	190	210	35	900	2100	1500	750	55
PSG1202-D	17-28	1500	350	160	190	210	35	1000	2100	1500	800	68
PSG1402-D	20-28	1600	350	170	190	210	35	1200	2100	1500	850	68
PSG1702-D	23-30	1750	350	170	190	210	35	1200	2250	1430	900	80
PSG1802-D	24-35	1800	350	170	190	210	35	1200	2400	1425	950	80
PSG1900-D	25-38	2000	350	180	190	210	35	1200	2250	1650	900	80
PSG2500-D	28-45	2500	350	200	190	210	35	1200	2230	1700	1000	90
PSG2700-D	30-50	2700	350	200	190	210	35	1360	2230	1750	1100	90
PSG3000-D	35-50	3000	350	200	190	210	35	1500	2460	1800	1300	90
PSG4000-D	40-65	3910	350	250	190	210	40	1500	2850	1800	1500	110
PSG5000-D	45-100	5000	350	300	190	210	60	1500	3000	2000	1600	130
PSG13000-D	100-200	13000	350	350	220	250	100	1800	4400	3000	4600	180

MULTI PROCESSORS

THE PRODEM RANGE OF MULTI-PROCESSORS FEATURE INTERCHANGEABLE JAW SETS MOUNTED ON A SINGLE BASE PROVIDING THE EFFICIENCY OF SIX TOOLS IN ONE BODY.

BENEFITS OF PRODEM MULTI PROCESSORS

- » Enhanced crushing force by single-pin mechanism
- » Increased productivity by speed up valve, which makes work quick and effective
- » Maximum efficiency by user-friendly blade clearance adjustment system, which reduces the labour time
- » Six different jaw types suitable for all kinds of job application offering maximum versatility

SPEED-UP VALVE

High speed jaw opening and closing

FULLY REVERSIBLE RECTANGULAR BLADES

For lower maintenance cost

SINGLE-PIN JAW MECHANISM

For enhanced shearing force and working and maintenance efficiency

USER-FRIENDLY BLADE CLEARANCE

Adjustment by using one adjusting nut

CUSTOMISED TOOTH TYPE

Welding type or replaceable type can be chosen

HARDENED TEETH

Made of special wear resistant steel

UNLIMITED 360° HYDRAULIC ROTATION

With heavy-duty swing gear

PRESSURE RELIEF VALVE

Protecting hydraulic motor

SIX DIFFERENT INTERCHANGEABLE JAWS

for crushing, pulverising, shearing and demolition

MULTI-PROCESSOR JAW OPTIONS



MOBILE SHEAR

Specially designed and engineered for heavy steel applications the MOBILE SHEAR JAW boasts a bolt-on piercing tip to increase performance and serviceability.



UNIVERSAL JAW SET

The UNIVERSAL JAW SET can be used for concrete crushing and cutting steel together. Productivity will be increased by cutting materials at a fixed size.



SHEAR JAW SET

The SHEAR JAW SET can be used on all industrial demolition sites for cutting materials such as section bars, pipes, tanks, railway carriages, etc.



CRUSHING JAW SET

For the primary demolition operations. Bringing down the main structure of a building.



PULVERISING JAW SET

For the secondary demolition operations. Starting to process the demolished materials. Separating reinforcing bar from concrete for example.



DEMOLITION JAW SET

Specially designed and engineered for mixed concrete and steel applications, combining the advantages of SHEAR JAW SET and PULVERISING JAW SET. Processing heavily reinforced concrete structures and concrete encased I-Beam steel barrels without jaw change.

Model	PMP 050-P	PMP 050-S	PMP 130-C	PMP 130-D	PMP 130-P	PMP 130-S	PMP 130-MS	PMP 220-C	PMP 220-D	PMP 220-P	PMP 220-S	PMP 220-MS	PMP 220-U	PMP 320-C	PMP 320-D	PMP 320-P	PMP 320-S	PMP 320-U	PMP 400-C	PMP 400-D	PMP 400-P	PMP 400-S	PMP 400-MS	PMP 400-N
Excavator Weight Class (t)	2-10	2-10	14-20	14-20	14-20	14-20	14-20	20-28	20-28	20-28	20-28	20-28	20-28	28-40	28-40	28-40	28-40	28-40	36-52	36-52	36-52	36-52	36-52	36-52
Working Weight (kg)	380	380	1231	1330	1351	1256	1330	2040	2050	2210	1880	2040	2350	3030	3001	3130	2990	3300	4694	4635	4781	4575	4593	4465
Overall Length (mm)	1100	1100	1940	1945	1972	1882	1870	2311	2276	2327	2160	2141	2273	2533	2565	2563	2533	2681	2807	3063	2971	2968	2937	2545
Overall Width (mm)	580	580	1200	1187	1157	989	989	1483	1368	1508	1083	1083	1189	1684	1560	1643	1332	1486	1970	1879	1895	1612	1612	1823
Max Jaw Opening (mm)	430	220	643	629	647	366	412	903	797	893	503	523	611	1119	983	1008	573	753	1274	1209	1184	676	707	316
Cutting Blade Length (mm)	100	100	214	214	219	319	446	237	355	237	348	301	450	240	461	240	563	600	264	507	264	631	775	517
Required Oil Flow (l/min)	30-50	30-50	100-180	100-180	100-180	100-180	100-180	150-250	150-250	150-250	150-250	150-250	150-250	200-300	200-300	200-300	200-300	200-300	280-360	280-360	280-360	280-360	280-360	150-250
Max Operating Pressure (bar)	250	250	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350
Max Crushing Force (t)	22	22	62	62	60	65	63	68	70	70	80	87	80	95	101	103	104	110	159	158	166	178	173	205

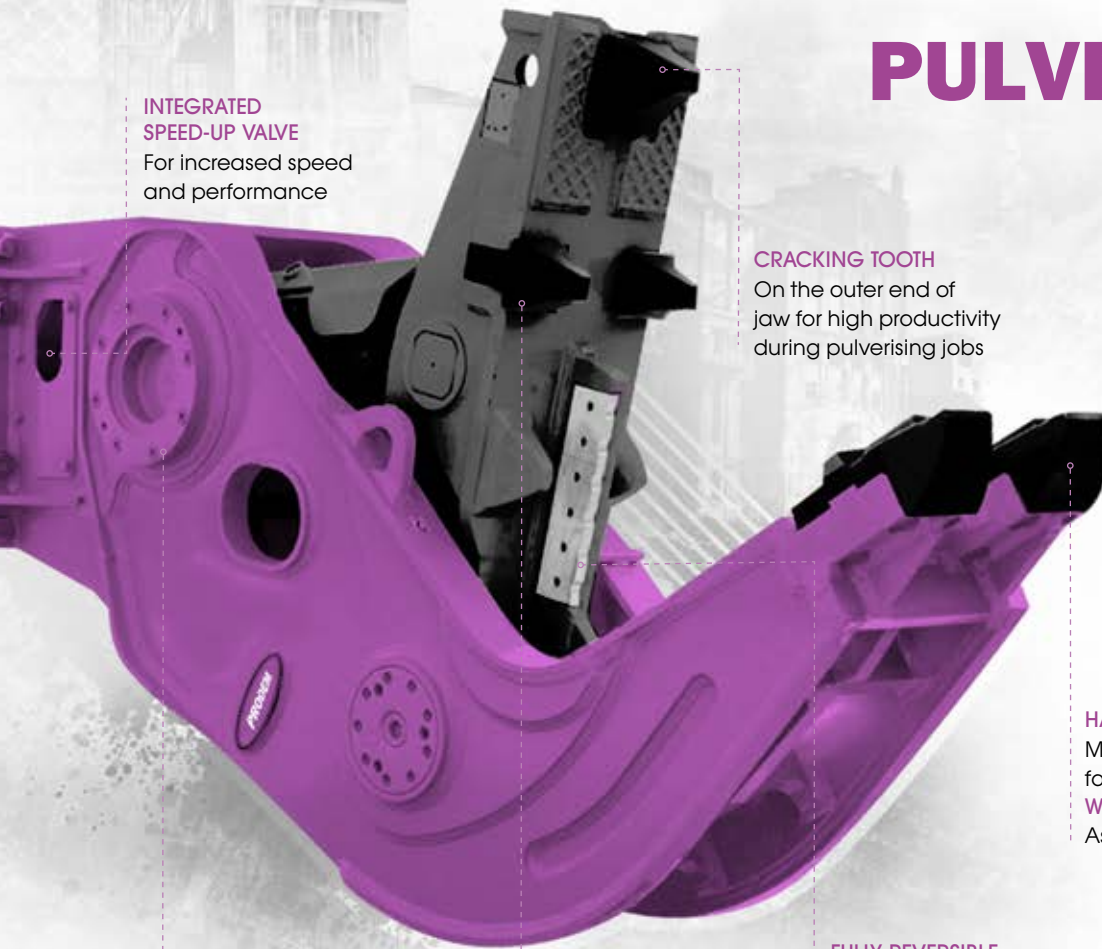
STATIC PULVERISERS

PRODUCED WITH INCREASED POWER AND DURABILITY USING STATE-OF-THE-ART TECHNOLOGY, PRODEM PULVERISERS HAVE BEEN DESIGNED FOR PRIMARY DEMOLITION WORK, SECONDARY CONCRETE REDUCTION AND MATERIAL PROCESSING.

BENEFITS OF PRODEM STATIC PULVERISERS

- » Integrated speed up valve with cylinder for maximum efficiency and performance
- » Trunnion-supported cylinder gives high breaking forces throughout the entire working cycle as well as stable movement
- » Replaceable tooth system gives quick and effortless maintenance allowing high productivity
- » Wide jaws, exceptional closing force and short cycle times means PRODEM pulverisers provide excellent productivity in concrete reduction and reinforced steel separation
- » Advanced design and construction, using abrasive-resistant materials, has produced a powerful attachment with increased durability capable of handling the toughest of jobs

“ THE PRODEM PHP HAS WORKED AN INCREDIBLE AMOUNT OF HOURS AND NEVER MISSED A BEAT. WITH BOLT-ON WEAR PARTS IT NEVER NEEDS TO BE OFF THE FRONT LINE FOR LONG. ”



INTEGRATED SPEED-UP VALVE

For increased speed and performance

CRACKING TOOTH

On the outer end of jaw for high productivity during pulverising jobs

HARDENED TEETH

Made of special materials for enhanced durability

WELDED TOOTH TYPE

As standard

FULLY REVERSIBLE RECTANGULAR BLADES

BOLT-ON TOOTH STYLE

For quick and effective replacement - welding type is also available

TRUNNION TYPE CYLINDER

For maximum breaking force throughout jaw closing motion as well as opening motion

TECHNICAL SPECIFICATION



Model	Excavator Weight Class (t)	Working Weight (kg)	Overall Length (mm)	Jaw Width - Fixed (mm)	Jaw Width - Moving (mm)	Max Jaw - Opening (mm)	Cutting Blade - Length (mm)	Required Oil Flow (l/min)	Max Operating Pressure (bar)	Crushing Force - Tip (t)
PHP050	4.5-8	500	1245	370	252	630	100	50-80	210	43
PHP080	7-10	518	1275	340	290	478	110	80-100	300	39
PHP160	13-20	1100	1658	384	330	680	240	100-180	320	100
PHP190	16-25	1375	1985	438	350	732	240	150-250	320	106
PHP220	20-28	1890	2181	470	346	889	360	150-250	320	171
PHP320	28-42	2745	2371	532	370	1049	360	200-300	320	173
PHP420	36-49	3321	2633	550	436	1102	240	200-300	350	116

ROTATING PULVERISERS

PRODUCED WITH INCREASED POWER AND DURABILITY USING STATE-OF-THE-ART TECHNOLOGY, PRODEM ROTATING PULVERISERS HAVE BEEN DESIGNED FOR PRIMARY DEMOLITION WORK, SECONDARY CONCRETE REDUCTION AND MATERIAL PROCESSING.

BENEFITS OF PRODEM ROTATING PULVERISERS

- » Integrated speed up valve with cylinder for maximum efficiency and performance
- » Hydraulic 360° rotation unit enables limitless rotation for fast targeted positioning in all conditions
- » Trunnion-supported cylinder gives high breaking forces throughout the entire working cycle
- » Advanced design and construction, using abrasive-resistant materials, has produced a powerful attachment with increased durability capable of handling the toughest of jobs

360° ROTATION UNIT

Allowing fast and targeted positioning of materials

OPTIONAL BOLT-ON TOOTH STYLE

HARDENED TEETH

Made of special materials for enhanced durability

FULLY REVERSIBLE RECTANGULAR BLADES

Made of special materials for enhanced durability

WIDE JAW OPENING

For a large demolition work surface

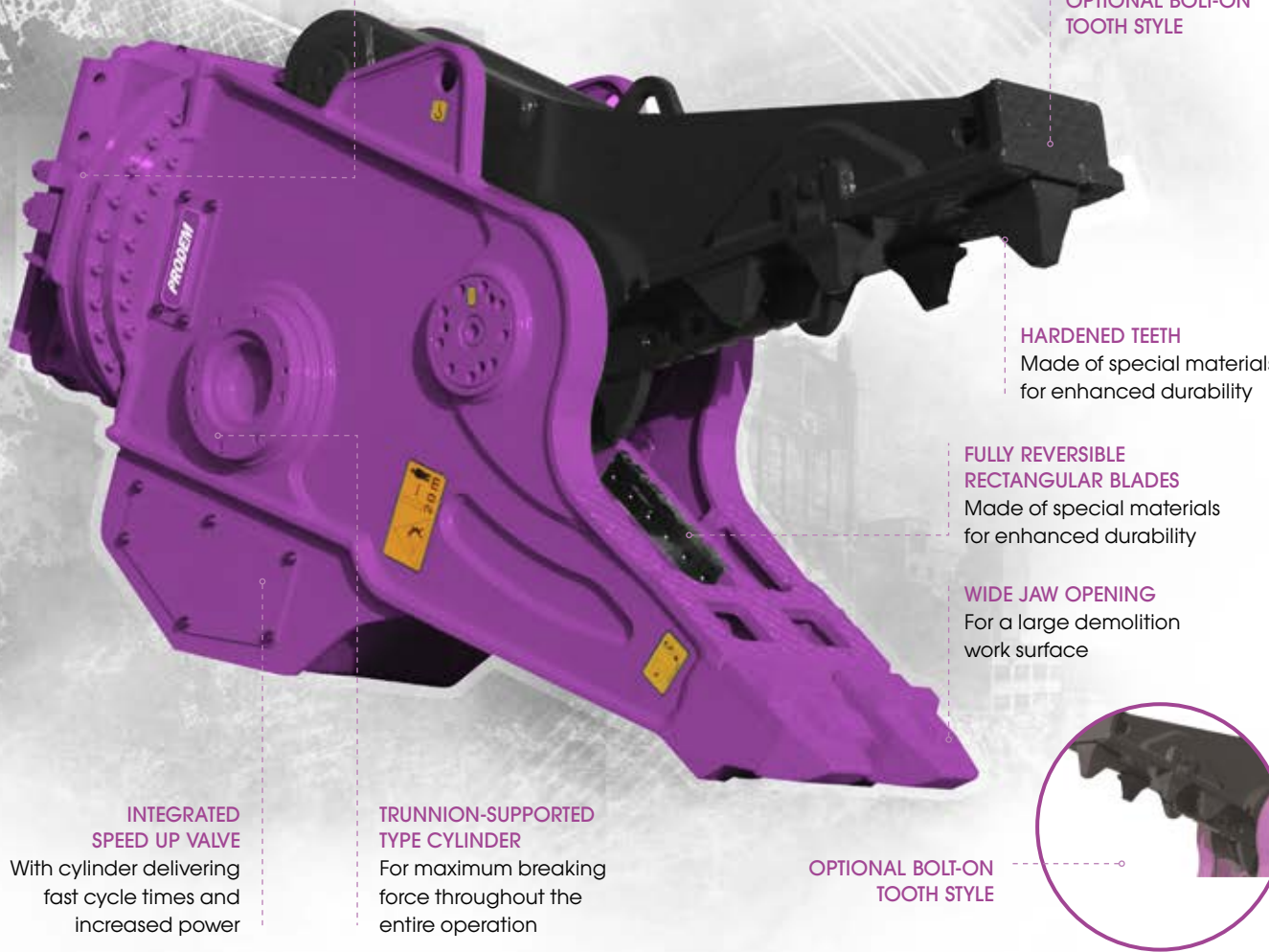
OPTIONAL BOLT-ON TOOTH STYLE

TRUNNION-SUPPORTED TYPE CYLINDER

For maximum breaking force throughout the entire operation

INTEGRATED SPEED UP VALVE

With cylinder delivering fast cycle times and increased power



“ I PURCHASED A PRODEM PHP350R FOUR YEARS AGO, AND ON THE STRENGTH OF IT'S PRODUCTIVITY, RELIABILITY AND LOW COST OF OWNERSHIP I HAVE RECENTLY TAKEN DELIVERY OF ANOTHER. ”

TECHNICAL SPECIFICATION



Model	Excavator Weight Class (t)	Working Weight (kg)	Overall Length (mm)	Jaw Width - Fixed (mm)	Jaw Width - Moving (mm)	Max Jaw - Opening (mm)	Cutting Blade - Length (mm)	Required Oil Flow (l/min)	Max Operating Pressure (bar)	Max Crushing Force (t)
PHP050R	4.5-8.0	550	1382	465	208	508	100	50-80	210	50
PHP160R	13-20	1250	1840	384	330	720	240	100-180	320	100
PHP200R	17-28	1780	2078	438	350	766	240	150-250	320	170
PHP250R	22-30	2300	2468	470	346	925	360	150-250	320	196
PHP350R	28-40	2950	2663	532	370	1056	360	200-300	320	224
PHP450R	40-65	4219	3075	550	398	1142	1107	200-300	350	333

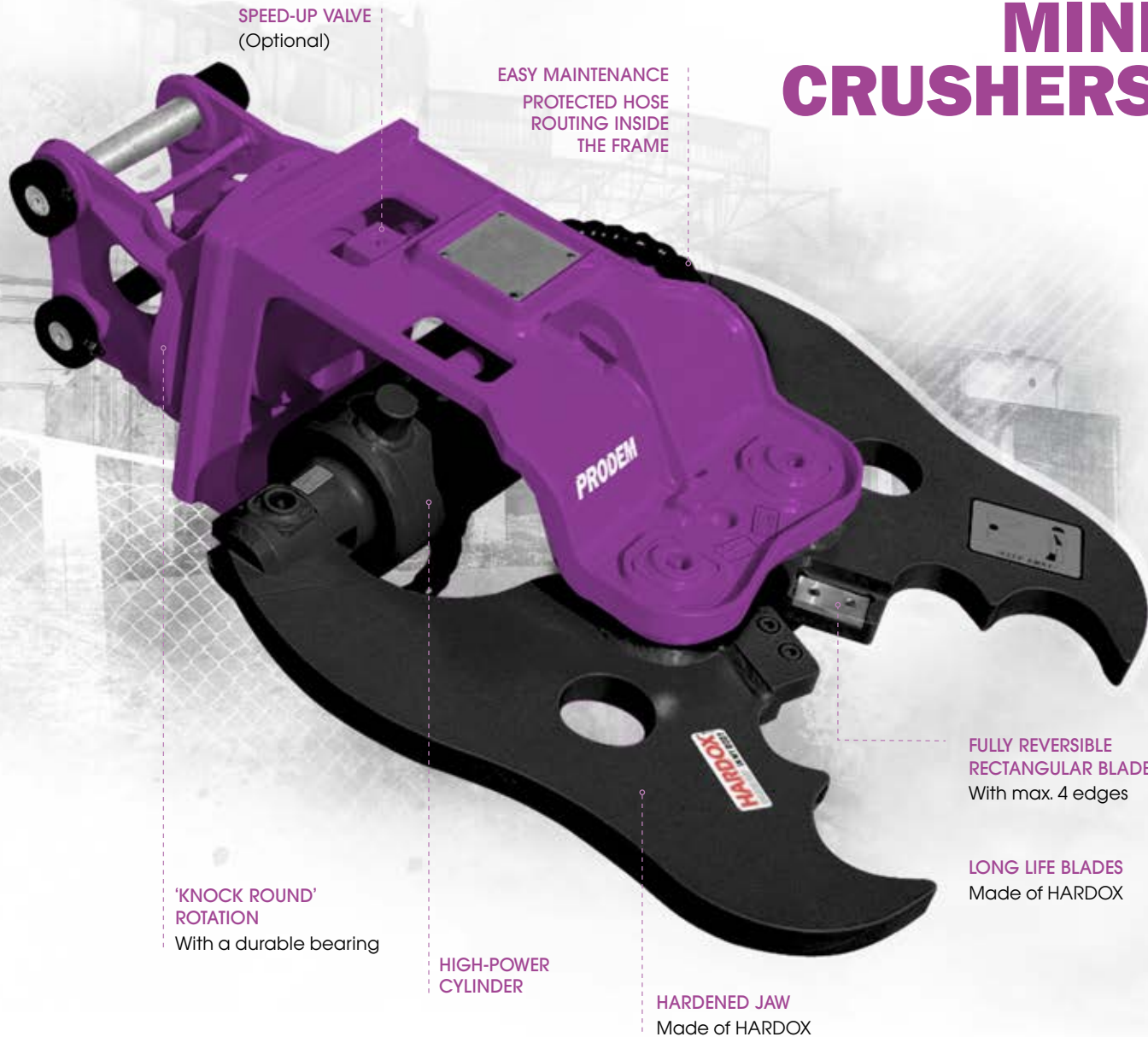
MINI CRUSHERS

PRODEM MINI CRUSHERS BOAST FULL ROTATION WITHOUT THE NEED TO HAVE A HYDRAULIC ROTATION CIRCUIT ON YOUR EXCAVATOR.

BENEFITS OF PRODEM MINI CRUSHERS

- >> Hardened jaw made of HARDOX steel
- >> Wide jaw opening for a large demolition work surface
- >> Easy maintenance
- >> Lightweight but rigid body frame
- >> As an optional extra the PMC050 model is available with hydraulic rotation

NO ROTATION CIRCUIT? NO PROBLEM. FOR MAXIMUM PERFORMANCE AND PRODUCTIVITY ON MINI EXCAVATORS THE PMC RANGE BOASTS A KNOCK ROUND ROTATION SYSTEM AND THEREFORE DOESN'T REQUIRE A HYDRAULIC ROTATION CIRCUIT ON THE EXCAVATOR



SPEED-UP VALVE
(Optional)

EASY MAINTENANCE
PROTECTED HOSE
ROUTING INSIDE
THE FRAME

'KNOCK ROUND'
ROTATION
With a durable bearing

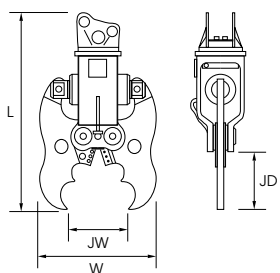
HIGH-POWER
CYLINDER

HARDENED JAW
Made of HARDOX

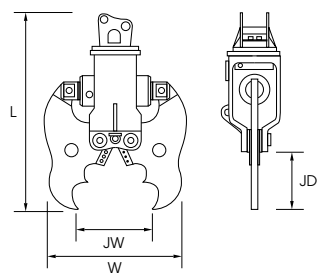
FULLY REVERSIBLE
RECTANGULAR BLADES
With max. 4 edges

LONG LIFE BLADES
Made of HARDOX

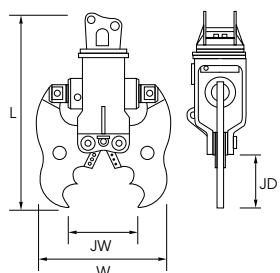
TECHNICAL SPECIFICATION



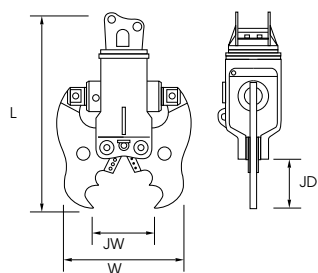
PMC015



PMC020



PMC025



PMC030



Model	Excavator Weight Class (t)	Working Weight (kg)	Overall Length L (mm)	Overall Width W (mm)	Max Jaw - Opening JW (mm)	Max Jaw - Depth JD (mm)	Jaw Thickness (mm)	Cutting Blade - Length (mm)	Required Oil Flow (l/min)	Max Operating Pressure (bar)	Crushing Force - tip (bar)	Max Crushing Force - Point A	Rotation Type
PMC015	1.5-2	143	969	659	320	258	30	60	15-35	210	210	36	Free
PMC020	2-3	191	1031	709	370	294	40	80	20-40	230	230	47	Free
PMC025	2.5-3.5	224	1104	800	430	338	40	80	25-45	270	270	62	Free
PMC030	3-4.5	308	1195	776	430	367	50	90	30-50	270	270	64	Free
PMC050	4.5-8	480	1362	850	520	N/A	96	100	50-80	210	N/A	99	Free/Hyd. Optional

DEDICATED SHEARS

FEATURING THE LATEST IN BLADE DESIGN THE PRODEM RANGE OF HYDRAULIC DEDICATED SHEARS WILL CUT THROUGH STEEL LIKE BUTTER, WHETHER ON A DEMOLITION SITE OR IN A RECYCLING YARD.

BENEFITS OF PRODEM DEDICATED SHEARS

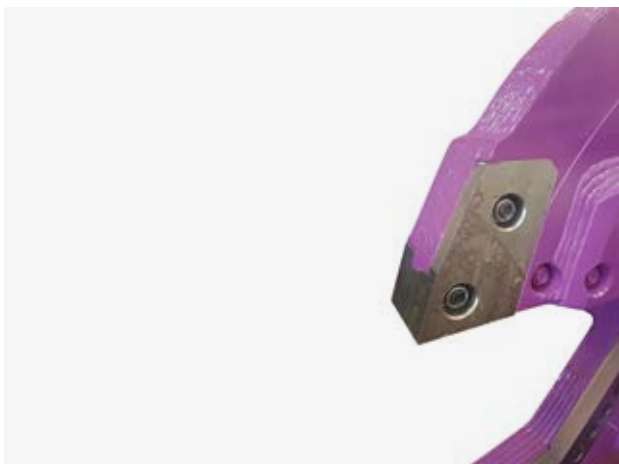
- >> Jaw protection system
- >> Bolt-on piercing tip and blades
- >> Innovative speed valve
- >> Dual upper jaw guides
- >> Fixed jaw design
- >> 360° rotation
- >> Fully protected, high-power cylinder

SPEED VALVE
REDUCES
CYCLE TIMES

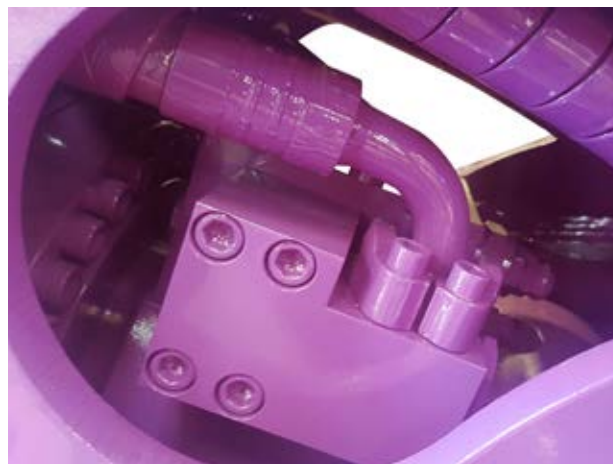
CYLINDERS
INCREASE
POWER BY 20%

REPLACEMENT JAW
PROTECTION PLATE

“ ONE OF THE MOST POWERFUL SHEARS I HAVE EVER USED. ENGINEERED FOR THE TOUGHEST ENVIRONMENTS WITH THE PERFECT SHAPE FOR ULTIMATE VISIBILITY – A NEW GENERATION OF SHEAR DESIGN. ”



BOLT-ON PIERCING TIP



SPEED VALVE REDUCES CYCLE TIME



REPLACEABLE JAW PROTECTION

TECHNICAL SPECIFICATION

Model	Dipper Mounted (t)*	Boom Mounted (t)*	Working Weight (kg)	Max Jaws Opening (mm)	Total Length (mm)	Jaws Depth (mm)	Rotation Oil Flow (l/m)	Rotation Pressure (bar)	Min Flow Open / Close (l/m)	Max Flow Open / Close (l/m)	Open/Close Pressure (bar)
PDS030R	3.5-5.5	1.5-3.5	300	265	1330	230	5	120	80	100	250
PDS050R	4.5-9	2.5-4.5	465	340	1725	320	10	120	80	150	280
PDS070R	7-14	3.5-8	880	405	2180	370	10	140	100	150	340
PDS120R	11-20	6-12	1180	475	2300	385	10	140	150	250	340
PDS200R	17-25	9-18	2050	535	2660	445	10	140	180	250	340
PDS250R	22-32	15-22	2650	570	2950	505	10	140	200	300	340
PDS300R	29-41	19-27	3000	615	3130	545	10	140	200	300	340
PDS400R	39-53	24-32	4030	660	3420	610	10	140	300	400	340
PDS500R	48-63	29-38	4800	725	3660	675	10	140	350	450	340
PDS550R	58-73	33-43	6200	780	3905	690	30	140	400	500	340
PDS700R	73-105	43-60	7900	845	4190	710	30	140	450	600	340
PDS900R	105-165	60-100	10300	920	4400	780	50	140	500	800	340
PDS1600R	125-225	80-150	16700	1100	5440	1080	50	250	800	1000	340
PDS2000R	180-310	125-210	19500	1180	5580	1130	50	140	900	1200	340

*Refers to Excavator Weight Class (t)

ROCK WHEEL

THE PRODEM ROCK WHEEL IS PERFECT FOR JOBS REQUIRING ACCURATE EXCAVATION OF MEDIUM TO HARD FRACTURED ROCK.

It is ideal for trenching, profiling rock and cement walls, tunnelling, quarrying, demolition, dredging and even underwater applications.

They are particularly recommended for finishing operations, where high precision, minimum disturbance and optimum aesthetic results are required, and for use on sites with noise and vibration sensitivities.

FEATURES AND BENEFITS OF PRODEM ROCK WHEEL

- >> Precise cutting
- >> Deep and narrow trenches
- >> Gives maximum performance with less noise and vibration than conventional rock breaking methods
- >> Virtually maintenance free
- >> Milled material can be reused on site
- >> Suitable for underwater works
- >> Hydraulic 360° rotation available (optional)



FEED LINE FILTER

Protects the motor from impurities

FRAME DESIGN PREVENTS MATERIAL BUILD-UP

TWO HOSE POSITIONS

Gives maximum precision and increased productivity

PATENTED INTEGRATED HIGH DISPLACEMENT HYDRAULIC PISTON MOTOR

Gives high torque and performance

DUST PROOF MECHANICAL SEALS

Provides protection from dust even when attachment is in the ground

DOUBLE SUPPORT BEARINGS FOR EACH DRUM

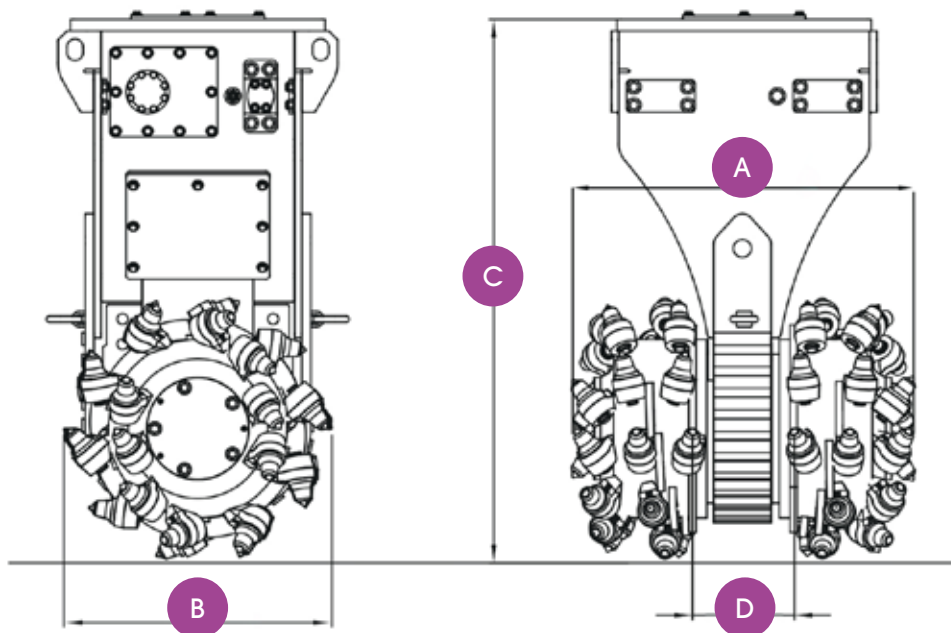
Shaft transmits motion only and bears no load

INTERCHANGEABLE DRUMS & TEETH

To suit any application

REPLACEABLE ANTI-WEAR PLATES

TECHNICAL SPECIFICATION



TEETH OPTIONS



MIXED MATERIAL TEETH

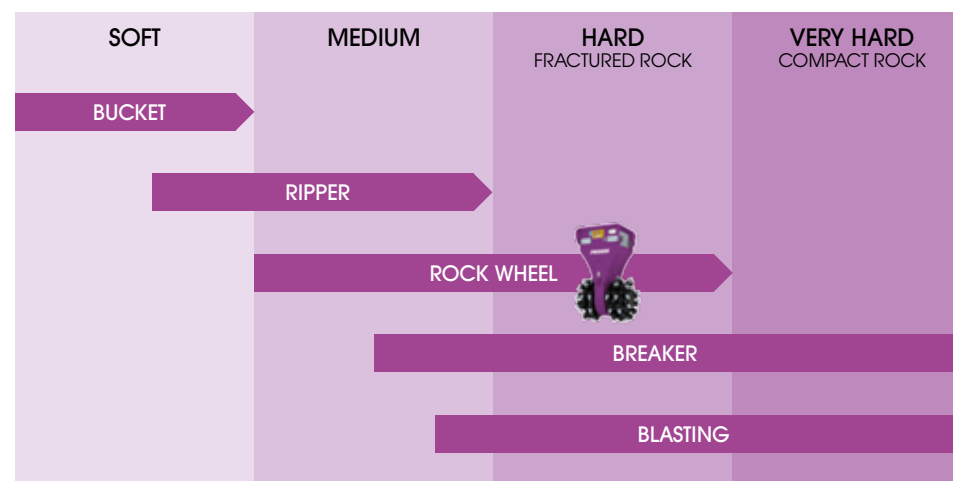


HARD MATERIAL TEETH



WOOD TEETH

EFFICIENCY ON DIFFERENT TYPES OF TERRAIN



Model number	Excavator Weight Class (t)	Working Weight exc. bracket (kg)	Required oil flow (lpm)	Max pressure (bar)	Max cutting force (kN)	Hydraulic motor power (kW)	Standard drum width - A (mm)	Drum diameter - B (mm)	Height without bracket - C (mm)	Drum distance - D (mm)	Tooth holder diameter (mm)
PRW040	2.5-7	300	45-80	350	13.5	27	565	380	770	110	20
PRW060	6-12	470	65-120	350	20.3	37	625	450	900	130	22
PRW100	9-16	640	90-150	350	27.6	50	700	500	960	130	22
PRW200	14-22	1140	130-190	350	35.2	61	800	595	1250	150	38/30
PRW250	20-34	1465	170-250	350	53.4	87	850	660	1310	160	38/30
PRW300	28-45	2410	240-340	380	68	112	950	750	1575	175	38/30
PRW400	40-55	2700	280-400	380	90	140	1000	750	1675	250	38/30
PRW500	50-70	3650	350-500	380	121	175	1250	750	1770	300	38/30

CRUSHER BUCKET

THE PRODEM CRUSHER BUCKET IS DESIGNED TO REDUCE THE VOLUME OF AGGREGATES DIRECTLY ON SITE FOR REUSE ON SITE OR TRANSPORTATION.

The PCB's exceptional cutting force and tooth design gives optimal crushing performance on almost any material. It is ideal for crushing reinforced concrete and demolition waste including bricks, natural aggregates (rock), concrete, tiles, glass, asphalt and even wood.

The PRODEM Crusher Bucket can produce material ranging between 50 and 130mm (depending on model).

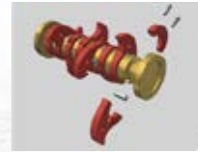
FEATURES AND BENEFITS OF THE PRODEM CRUSHER BUCKET

- >> PATENTED auto-reverse crushing drum dislodges blockages to maintain productivity
- >> High cutting force means almost any material can be crushed
- >> Tooth design means material is crushed quickly and efficiently
- >> Teeth forged using KenCast™ technology from Kennametal – 5x more resistant to wear and impact
- >> Variable material output size - 50-130mm by adjusting distance between teeth
- >> Simple, quick tooth replacement to minimise downtime
- >> Drum design allows easy front or rear-loading
- >> Low noise output and no vibrations

LIGHTWEIGHT FRAME

REPLACEABLE, WEAR RESISTANT TEETH

Give better production and less downtime



PATENTED AUTO-RESERVE CRUSHING DRUM

Dislodges blockages to maintain productivity

EASY LOADING DRUM DESIGN

Wide opening shaped like standard bucket. Allows back or front loading

HIGH DISPLACEMENT RADIAL PISTON HYDRAULIC MOTORS

Gives exceptional crushing forces

TECHNICAL SPECIFICATION

Model number	Excavator Weight Class (t)	Weight - empty (kg)	Required oil flow (lpm)	Max oil pressure (bar)	Max cutting force (kN)	Teeth	Inlet width (mm)	Total width (mm)	Rotor width (mm)	Bucket capacity (SAE) (m ³)
PCB100	8-13	880	80-160	350	80	5	1030	1220	725	0.4
PCB150	10-18	1320	100-190	350	95	5	1180	1485	735	0.6
PCB200	16-28	2170	150-250	350	125	6	1410	1700	915	0.8
PCB300	24-40	2900	200-350	350	152	7	1630	1960	1050	1
PCB400	35-55	4640	300-550	350	190	10	2200	2440	1290	1.8

SIZE OF CRUSHED MATERIAL

mm	inch	PCB100	PCB150	PCB200	PCB300	PCB400
0-40	0-1.6	■	-	-	-	-
0-50	0-2	■	■	■	-	-
0-60	0-2.4	○	■	■	■	-
0-70	0-2.8	■	○	○	○	-
0-80	0-3.2	■	■	■	■	○
0-100	0-4	■	■	■	■	■
0-120	0-4.7	-	■	■	■	■
0-130	0-5.1	-	-	-	■	■

■ Standard

○ On Request

ROTARY SCREENING BUCKET

THE PRODEM RANGE OF ROTARY SCREENING BUCKETS ARE DESIGNED TO SCREEN SITE MATERIAL FOR REUSE.

Ideal for waste material selection on demolition sites, aggregate recovery on construction and building renovation sites, organic waste separation in landfill sites, filling containment cages, covering pipes in pipeline works, and much more.

BENEFITS OF PRODEM ROTARY SCREENING BUCKET

- >> Exclusive wide inlet profile to facilitate material loading
- >> Integrated high pressure relief valve to protect against pressure peaks
- >> Patented 4-piece interchangeable screening net, available in a variety of sizes (20-150mm), makes replacement quick and easy
- >> Heavy-duty slew ring with double turn bearing to support the screening bucket
- >> Drum protection - limiting wear from the elements
- >> Bolt-on wear edges making replacement simple, reducing downtime and maximising productivity
- >> PSB120R upwards also features a tapered bottom to increase the screening surface and maximise productivity

Also available in a wheel loader version.

EASY ACCESS FOR INSPECTIONS

FRAME PROTECTION FOR HYDRAULIC COMPONENTS

4 PIECE INTERCHANGEABLE SCREENING NET

DOUBLE TURN BEARING

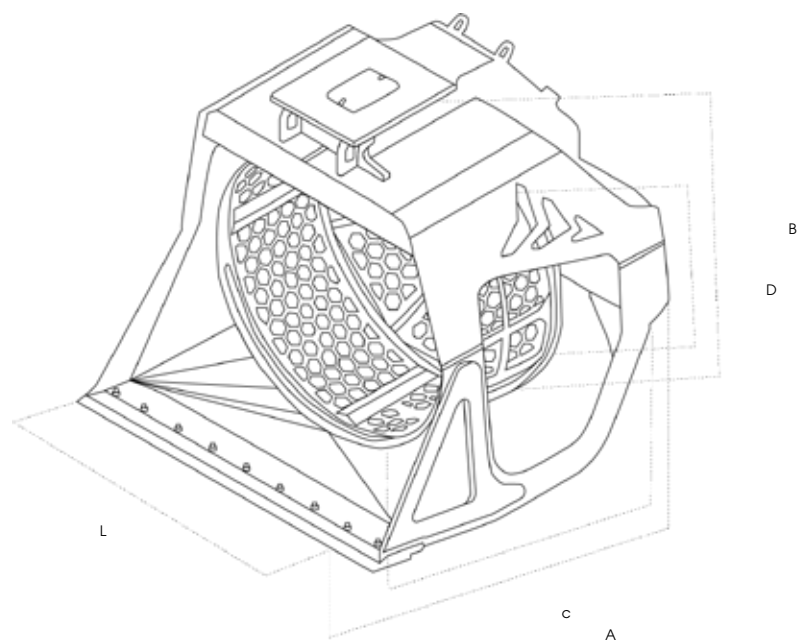
BOLT-ON WEAR EDGE

INTEGRATED HIGH PRESSURE RELIEF VALVE

EXCLUSIVE WIDE INLET PROFILE

DRUM PROTECTION

TECHNICAL SPECIFICATION



Model	Excavator Weight Class (t)	Working Weight (kg)	Depth A (mm)	Height B (mm)	Basket Width C (mm)	Basket External Diameter D (mm)	Inlet Width L (mm)	Working Capacity (M3)	Max Working Pressure (bar)	Max Oil Flow (l/min)	Swing Speed (rpm)
PSB030R	1.4 - 2.8	110	740	630	320	500	520	0.08	120	30	24/32
PSB040R	2.5 - 5.5	250	1070	805	445	640	700	0.2	120	50	18/24
PSB050R	4.5 - 9	350	1175	930	515	750	800	0.3	120	50	18/24
PSB100R	7 - 14	860	1450	1170	695	900	1100	0.4	120	60	18/24
PSB120R	12 - 18	1540	1730	1500	805	1170	1440	0.75	220	80	18/35
PSB200R	16 - 23	1570	2190	1650	925	1340	1400	0.9	220	80	18/35
PSB250R	21 - 33	2440	2080	1900	985	1560	1900	1.1	220	80	18/35
PSB300R	30 - 45	2550	2600	2000	1040	1700	1750	1.5	220	80	18/35
PSB500R	40 - 65	4900	2950	2410	1360	2000	2120	2.7	220	80	18/27

PIPE LIFTER

AN EXCAVATOR PIPE LIFTER FOR USE WITH A QUICK HITCH OR DIRECTLY MOUNTED TO YOUR EXCAVATOR

BENEFITS OF PRODEM PIPE LIFTER

- >> 4t working load limit
- >> Pipe insertion pusher heels
- >> Adjustable pin centres fit most excavators
- >> 65mm and 80mm pins
- >> 2.5m pipe length capacity
- >> 1.8m beam length capacity

TECHNICAL SPECIFICATION

WILL (kg)	Height (mm)	Width (mm)	Length (mm)	Weight (kg)	Beam L (mm)	Cap (mm)
2000	650	500	2400	230	1500	2000
4000	650	500	2700	300	1800	2500

PALLET FORKS

PRODEM PALLET FORKS ENABLE YOU TO MAXIMIZE THE PRODUCTIVITY OF YOUR EXCAVATOR WHILST IMPROVING SAFETY ON CONSTRUCTION SITES.

BENEFITS OF PRODEM PALLET FORKS

- >> Suited to machines between 5-50t
- >> Adjustable pin centres
- >> Self-Levelling
- >> Adjustable forks
- >> Storage slots for pins
- >> Supplied with two sets of pins
- >> Flip back forks for site safety

THE PERFORMANCE AND DURABILITY IS SECOND TO NONE, INCREASING SITE SAFETY AND EASE OF STORAGE.

TECHNICAL SPECIFICATION

Excavator Weight Class (t)	Pin Size (mm)	Max Fork Reach (mm)	Max Fork Width (mm)	S.W.L (kg)	Working Weight (kgs)
5-8	45-60 mm	1050	880	1000	220
10-24	60-80 mm	1200	1000	2000	370
30-50	90-110mm	2385	1390	4000	525

PROQUICK COUPLER

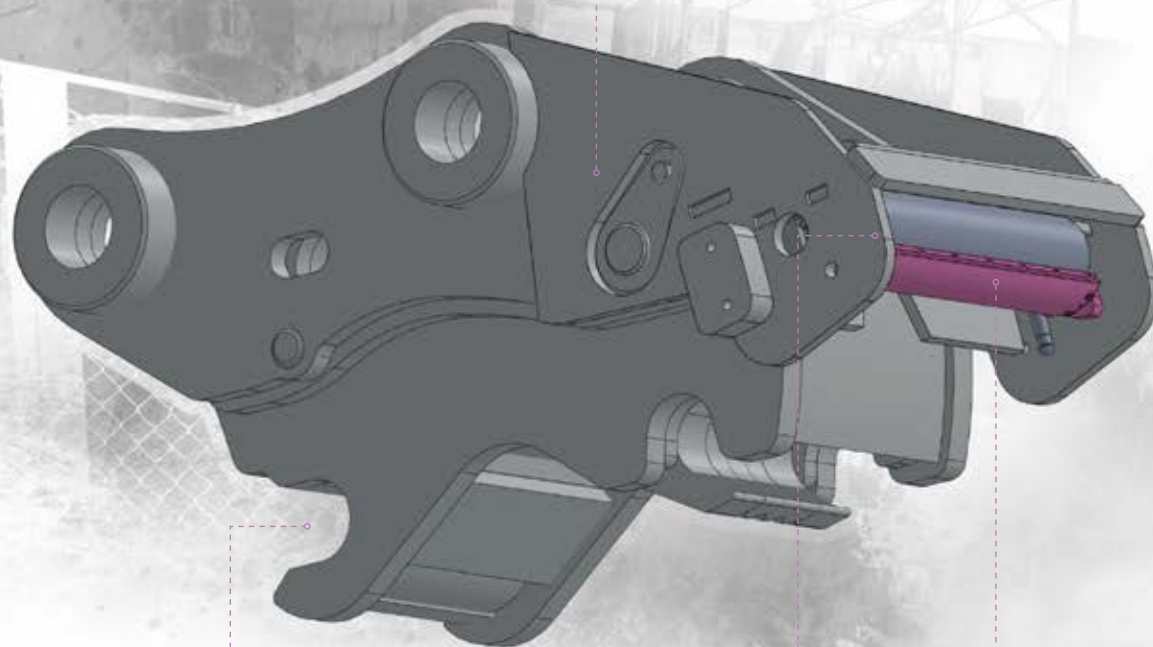
THE PRODEM PROQUICK IS THE ONLY DOUBLE-LOCKING AUTOMATIC COUPLER ON THE MARKET THAT CAN PICK UP ALL STANDARD BUCKETS WITH NO MODIFICATION.

A COMPLETE SOLUTION

Very versatile and economically viable

FEATURES AND BENEFITS OF PRODEM PROQUICK

- >> Can be used on ALL brands of attachments and existing quick couplers resulting in improved time and cost efficiency
- >> Enables the operator to pick up standard buckets/ attachments. No need to change the existing bracket
- >> The PROQUICK can be connected at full system pressure (420 bar) unlike any other coupler system
- >> Unique and patented design. Made in Germany
- >> Fully automatic dirt protection system
- >> Will also connect electricity and water lines
- >> Optimised oil flow. Up to 830 litres per minute
- >> No loss of oil during change over



TWIN LOCKING
SAFETY

UNIQUE AND
PATENTED DESIGN

FULLY AUTOMATIC DIRT PROTECTION SYSTEM

Provides optimal protection from dirt, dust and weather conditions

TECHNICAL SPECIFICATION

Excavator Weight Class (t)	Model	Number of Connections	Flow Rate (l/min)
8 - 10 Tons	PQ060	3	82/143
		2	18/33
12 - 14 Tons	PQ150	3	204
		2	33
20 - 22 Tons	PQ200	3	270
		2	41
24 - 30 Tons	PQ250	3	312
		2	41
33 - 38 Tons	PQ300	3	408
		2	43
45 Tons	PQ400	3	408
		2	43
50 Tons	PQ500	3	483
		2	53
70 Tons	PQ700	3	596
		2	53

PROQUICK COUPLER TECHNOLOGY

FULLY AUTOMATIC PROTECTIVE CAP

On the carrier and attachment
for 100% dirt protection

THE HYDRAULIC COUPLING
SYSTEM OPENS ONLY AT THE
MOMENT OF THE COUPLING

THE PRODEM PROQUICK PROVIDES A COMPLETE AND SIMPLE SOLUTION AND IS THE FASTEST AND MOST RELIABLE HYDRAULIC COUPLER SYSTEM ON THE MARKET.

- >> **PATENTED SOLUTION WITH 100% DIRT PROTECTION**
This innovative patented quick-coupling solution has been designed and developed working closely with the construction industries across Europe. It is the only Coupler System with a fully automatic protective cap on the carrier and on the attachment for 100% dirt protection.
- >> **ALWAYS THE BEST TOOL**
Using the PROQUICK hydraulic quick-coupler system, retooling times are extremely short. You can change your equipment in the blink of an eye and always work with the best tool.



“ WE WERE AMAZED BY HOW QUICKLY AND EASILY THE PROQUICK COUPLER SYSTEM COULD BE INTEGRATED INTO OUR EXISTING QUICK COUPLER. THE EXCAVATOR, FOR EXAMPLE, DID NOT HAVE TO BE RETOoled. THIS IS REALLY SOPHISTICATED TECHNOLOGY, DOWN TO THE SMALLEST DETAIL. ”



FORESTRY TREE SHEARS

THE PRODEM RANGE OF FORESTRY TREE SHEARS MAKES FELLING TREES OR MAINTAINING OVERGROWN SHRUBS AND BUSHES FAST AND EFFICIENT WITH A CLEAN CUT.

Ideal for use by forestry and environmental contractors as well as any construction company or contractor doing land clearance or roadside maintenance. They are particularly useful in hard to reach areas with restricted or difficult access such as roadsides, riverbanks, steep slopes, orchards or rail sidings.

The PTS Forestry Tree Shear allows the excavator operator to take hold of the tree securely, whilst the blade simultaneously cuts the tree to the desired height in a controlled manner. The tree remains secure in the jaws and can be safely moved for stacking or processing.

FEATURES AND BENEFITS OF PRODEM TREE SHEARS

- » Manufactured entirely in HARDOX
- » Heavy-duty and replaceable cutting blades
- » Hydraulically driven accumulator arms and cutting blade
- » Optional central accumulation arm to enable multiple cuts
- » 360° rotation available on most models
- » 150-500mm diameter cutting capability
- » Accumulator arms ensure site safety – gives certainty about the fall point
- » Raised rotation mounting position gives stability and balance whilst in operation
- » Low blade positioning gives regular and consistent cutting pattern
- » Large material exit area to avoid blockages
- » Easy access for inspection
- » Eliminates hand arm vibration issues associated with chainsaws

RAISED
ROTATION
MOUNTING

HYDRAULIC
ROTATION
MOTOR

EASY INSPECTION
ACCESS

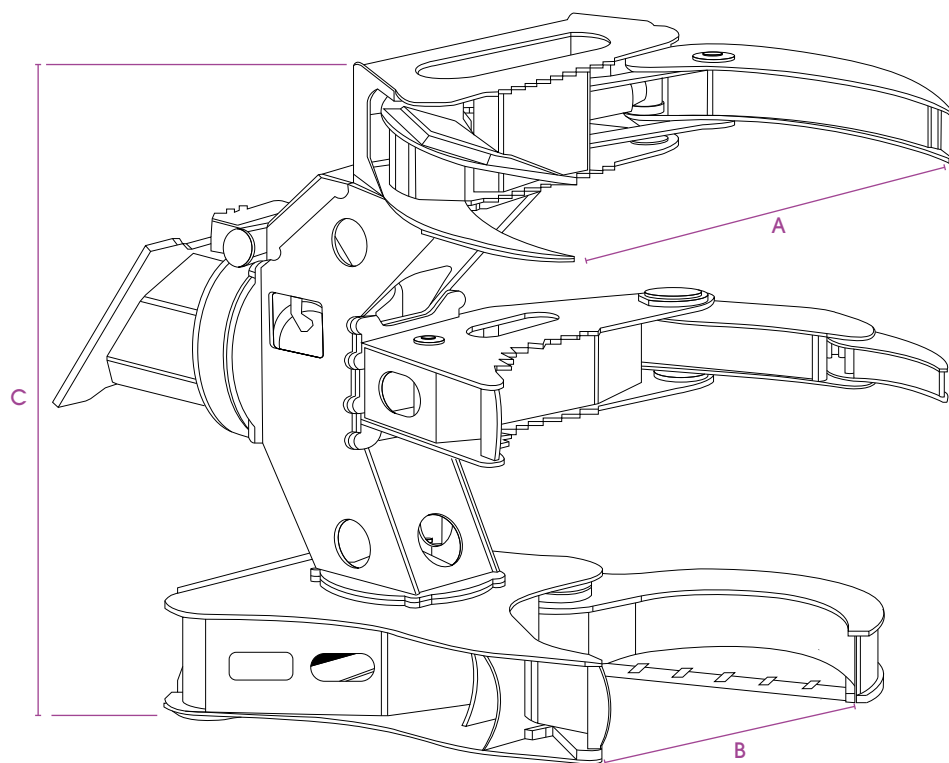
HYDRAULICALLY
OPERATED
ACCUMULATION
ARMS

LOW POSITIONED
BLADES AND
SERRATED FIXED
JAW

OPTIONAL CENTRAL
ACCUMULATION ARM
- SELECTED MODELS

HYDRAULICALLY
DRIVEN CUTTING JAW
AND REPLACEABLE
CUTTING BLADE

TECHNICAL SPECIFICATION



Model Number	Excavator Weight Class (t)	Working Weight (kg)	Jaw Max Opening (mm)	Height C (mm)	Accumulator Arm Max Opening (mm)	Tip Cutting Force Y (t)	Max Pressure Main Line (cylinders - bar)	Flow Main Line (l/min)	Max Swing Pressure (bar)	Max Swing Flow (l/min)	Max Clamping Load (kg)	Max Cutting Diameter (at trunk - mm)
PTS 050	4.5-7	340	900	590	895	11	220	50/60	-	-	300	150
PTS 060R	5.5-9	430	900	615	895	11	220	50/60	175	20	300	150
PTS 100R	10-13	605	450	1200	850	16	250	60/80	175	20	400	250
PTS 150R	12-18	1200	650	1530	1150	37	300	80/100	175	40	500	350
PTS 200R	16-24	1850	780	1840	1260	45	300	130/150	175	40	900	450
PTS 250R	21-35	2060	850	1850	1500	51	300	150/180	175	40	1000	500

*Non-rotating version of models PTS060R and up are also available

EASY AND VERSATILE MOUNTING

Adaptor mount style enables the PRODEM compactors to be mounted to any carrier in the recommended weight class



HYDRAULIC COMPACTORS

PRODEM HYDRAULIC COMPACTORS MAXIMIZE PRODUCTIVITY AND MINIMIZE EXCAVATOR DOWNTIME WHILST IMPROVING SAFETY WHEN COMPACTING MATERIAL IN DEEP EXCAVATIONS AND EMBANKMENTS.

SINGLE HOSE BLOCKS

Valve pack as standard – flow control valve (priority flow divider) regulates hydraulic in-flow to the motor and prevents over-speeding. Thus, the compactor can be installed on carriers not equipped with a flow control valve on its auxiliary plumbing

SELF-ALIGNING BEARING

Self-aligning double row spherical roller bearing provides a long service life to rotating components

CUSHION RUBBER

Specially designed cushion rubbers protect the machine and operator from vibrations

HEAVY-DUTY GEAR MOTOR

Heavy-duty and high efficiency gear motor with splined shaft and high pressure motor seals prevent easy damage caused by pressure shock during startup and shutdown

EASY MAINTENANCE

No greasing required due to the housing acting as an oil bath

>> CROSS-CHECK VALVE AS STANDARD

Built-in cross check valve within motor protects the motor and bearing from damage caused by abrupt shutdown of hydraulic flow. It also eliminates the need for a case drain.

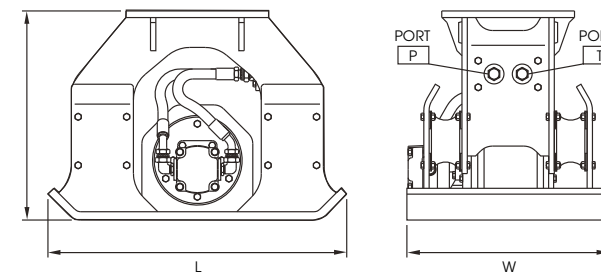
>> VALVE PACK AS STANDARD

Flow control valve (priority flow divider) regulates hydraulic in-flow to the motor, prevents over-speeding and means the compactor can be installed on carrier not equipped with a flow control valve on its auxiliary plumbing.

THE PRODEM COMPACTOR PLATES ARE 100% MAINTENANCE FREE, THEY OFFER A MASSIVE COMPACTION FORCE AND GREAT RELIABILITY.



TECHNICAL SPECIFICATION



ADAPTOR MOUNT STYLE (FLAT TOP) - PA SERIES

Model	Excavator Weight Class (t)	Working - Adaptor Mount Type (kg)	Baseplate Size - W x L (mm)	Impulse Force (t)	Vibrations (per min)	Required Oil Flow (l/min)	Operating Pressure (bar)
PHC030	1.5-5	190	290 x 710	1.5	2100	30	160
PHC050N	4-6	261	320 x 745	2.1	2100	45-65	100-220
PHC050G	4-6	341	500 x 800	2.1	2100	45-65	100-220
PHC100	6-13	430	610 x 900	4	2000	50-120	100-138
PHC150	11-20	689	740 x 1050	6.4	2000	80-170	100-138
PHC200	17-27	1094	860 x 1200	11.2	2000	110-200	100-138
PHC300	26-40	1502	1000 x 1300	17.3	2000	160-250	100-138

PATCH PLANER

THE PRODEM PATCH PLANER IS THE ULTIMATE SOLUTION FOR TACKLING PERMANENT ROAD REPAIRS INCLUDING POTHoles.

It is ideal for milling sections of hard compact surfaces such as asphalt or concrete in preparation for trenching or resurfacing, and removes the entire layer of material evenly.

FEATURES AND BENEFITS OF THE PRODEM PATCH PLANER

- >> Efficiently prepares surfaces for reinstatement
- >> Mills on horizontal, vertical or sloped surfaces
- >> Precision cutting action is achieved efficiently using powerful rotating tungsten tipped picks
- >> Various cutting widths and depth
- >> Provides a controlled scarified clean finish
- >> Milled material can be reused for backfilling trenches or use elsewhere
- >> Special drums available on request
- >> Rotation unit available on request: 90° mechanical/ 360° hydraulic



PATENTED PERFORMER (OPTIONAL)

Calibrates to excavator working pressure. Provides easy-to-see visual indicator of available power to maximise performance

MECHANICAL DEPTH ADJUSTER

Telescopic standard or hydraulic (optional)

SWINGING SUPPORT

Pivots on the same rotation axis as cutting drum to maintain a perfect planing surface regardless of ground contour or excavator position

PATENTED INDEPENDENT RH-LH DEPTH SLIDES (ED MODELS ONLY)

Each side can be independently adjusted to give perfect surfaces with side by side passes

TECHNICAL SPECIFICATION

Model number	Excavator Weight Class (t)	Min distance from curb (mm)	Depth - Single / Double	Independent RH-LH depth adjustment	Operating weight (kg)	Required oil flow (lpm)	Max oil pressure (bar)	Swinging support rotation angle	Standard drum width (mm)	Special drum widths (mm)	Standard drum max depth (mm)	Special drums max depth (mm)
PP200	2-4	40 (20*)	Single	No	185	30-50	250	120°	200	50-250	70	125
PP300	3-7	50 (25*)	Single	No	390	45-75	300	127°	300	50-300	100	130
PP350 ED	6-9	50 (27*)	Double	Yes	530	55-90	300	118°	350	50-350	120	150
PP400	6-9	50 (25*)	Single	No	515	55-90	300	118°	400	50-400	120	150
PP450	8-13	60 (30*)	Single	No	710	75-140	300	120°	450	75-450	150	200
PP450 ED	10-16	75 (40*)	Double	Yes	900	90-140	300	102°	450	75-450	180	220
PP600 ED	16-24	75 (40*)	Single	No	1150	120-200	300	105°	600	75-600	200	250

*on request

DIGGING CLAMSHELL GRABS

PRODEM DIGGING CLAMSHELL GRABS OFFER VERSATILE DIGGING SOLUTIONS FOR ALL EXCAVATORS. THE PRODEM DCS RANGE BOASTS A UNIQUE QUICK CHANGE SHELLS SYSTEM, WHICH ENABLES OPERATORS TO CHANGE THE SIZE OF THE SHELL DEPENDING ON JOB REQUIREMENTS.

ROTATION MOTOR

Fully protected compact rotary motor, endless hydraulic rotation with integrated pressure limitation

RAM GUARD

Offers full protection of cylinder

DIGGING SHELLS

All models throughout the range have interchangeable shells that can be changed by 3 point pin on system

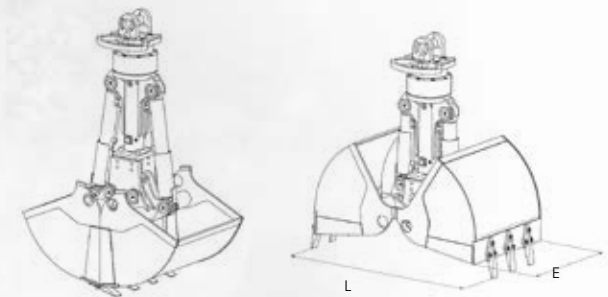
TEETH

Bolt-on replaceable forged teeth

BENEFITS OF PRODEM DIGGING CLAMSHELLS

- >> Shells can be interchanged by 3-point exchange system within the entire series
- >> Piston rod protection
- >> Mechanical opening and closing limit stops
- >> Side and ground cutting edges made from high-strength fine-grain steel (450 HB)
- >> Forged 3-hole bolt-on teeth
- >> All models available with bolt-on extension shafts and bolt-on digging teeth

TECHNICAL SPECIFICATION



TECHNICAL SPECIFICATION

Model	Excavator Weight Class (t)	Content (SAE) L	Working Weight (kg)	Grab Width E (mm)	Grab Opening L (mm)	Number of Teeth	Max Grab Capacity (t)	Max Load Rotation (t)	Material Weight Up (t/m3)	Operating Pressure Max - Open/Closing (bar)	Operating Pressure Max - Rotation (bar)	Closing Force Max (kN)
DCS05-300	1-2	35	125	300	790	3	1	2.5	2	250	250	20
DCS05-400	1-2	40	135	400	790	3	1	2.5	2	250	250	20
DCS1-300	1-5	60	140	300	950	3	1	2.5	2	250	250	24
DCS1-400	1-5	80	150	400	950	3	1	2.5	2	250	250	24
DCS1-500	1-5	100	160	500	950	5	1	2.5	2	250	250	24
DCS2-270	5-9	90	250	270	1300	3	2	4	2	300	300	20
DCS2-300	5-9	100	255	300	1300	3	2	4	2	300	300	20
DCS2-400	5-9	135	270	400	1300	3	2	4	2	300	300	20
DCS2-500	5-9	170	285	500	1300	5	2	4	2	300	300	20
DCS2-600	5-9	205	300	600	1300	5	2	4	2	300	300	20
DCS3-300	9-15	140	570	300	1445	3	2	10	2	350	140	40
DCS3-400	9-15	185	585	400	1445	3	2	10	2	350	140	40
DCS3-500	9-15	230	610	500	1445	5	2	10	2	350	140	40
DCS3-600	9-15	275	625	600	1445	5	2	10	2	350	140	40
DCS3-700	9-15	320	640	700	1445	7	2	10	2	350	140	40
DCS3-800	9-15	365	660	800	1445	7	2	10	2	350	140	40
DCS4-300	13-21	180	675	300	1690	3	4	10	3	350	140	67
DCS4-400	13-21	240	720	400	1690	3	4	10	3	350	140	67
DCS4-500	13-21	300	750	500	1690	3	4	10	3	350	140	67
DCS4-600	13-21	360	780	600	1690	5	4	10	3	350	140	67
DCS4-700	13-21	420	855	700	1690	5	4	10	3	350	140	67
DCS4-800	13-21	480	885	800	1690	7	4	10	3	350	140	67
DCS4-900	13-21	540	915	900	1690	7	4	10	3	350	140	67
DCS4-1000	13-21	600	945	1000	1690	9	4	10	3	350	140	67
DCS5-400	22-30	340	1275	400	2005	3	6	15	3	350	140	95
DCS5-500	22-30	430	1325	500	2005	3	6	15	3	350	140	95
DCS5-600	22-30	520	1370	600	2005	5	6	15	3	350	140	95
DCS5-800	22-30	700	1390	800	2005	7	6	15	3	350	140	95
DCS5-1000	22-30	880	1465	1000	2005	9	6	15	3	350	140	95
DCS5-1200	22-30	970	1675	1200	2005	11	6	15	3	350	140	95

HOSE PROTECTION
Protection shield on rotary motor
for hose connectors

REHANDLING CLAMSHELL GRABS

ROTATION MOTOR
Fully protected compact
rotary motor gives endless
hydraulic rotation with
integrated pressure limitation

CUTTING EDGES
Side and bottom cutting edges
are manufactured from high-
strength fine-grain steel, reinforced
with Hardox HB500 profiles

SHELLS
Made from high-strength
fine-grain steel. Shells
are interchangeable
throughout each model

**SHELL COVERS
(OPTIONAL)**
Available with steel
covers when handling
light materials

PRODEM REHANDLING CLAMSHELL GRABS ARE CLASS LEADERS IN INGENUITY AND PERFORMANCE, OFFERING VOLUMES FROM 1000 TO 8000 LITRES. THE RCS RANGE GIVES THE OPERATOR MAXIMUM CONTROL OF ANY REHANDLING APPLICATION.

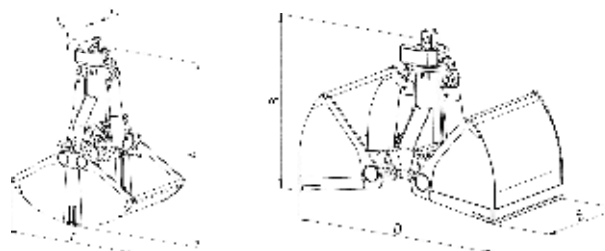
PRODEM ARE ABLE TO OFFER CUSTOMISED GRABS TO SUIT EACH CUSTOMER'S APPLICATION AND REQUIREMENTS.

BENEFITS OF PRODEM REHANDLING CLAMSHELL GRABS

- » Protection shield on rotary motor for hose connectors
- » Fully protected compact rotary motor - gives endless hydraulic rotation with integrated pressure limitation
- » Interchangeable shells - made from high-strength fine-grain steel
- » Optional shell covers
- » Side and bottom cutting edges - manufactured from high-strength fine grain steel, reinforced with HARDOX HB500 profiles

“THE PRODEM RCS CLAMSHELLS HAVE A VERY HIGH CLOSING FORCE AND QUICK CYCLE TIMES. WE RELY HEAVILY ON OUR FLEET OF PRODEMS' TO UNLOAD THE AGGREGATE TRAINS DAY & NIGHT.”

TECHNICAL SPECIFICATION



Model	Excavator Weight Class (t)	Max. Grab Capacity (t)	Max. Rotation Load (t)	Material Weight Up (t/m ²)	Working Pressure - Rotation (bar)	Working Pressure - Open/Close (bar)	Max. Oil Flow - Rotation (l/min)	Max. Oil Flow - Open/Close (l/min)
RCS4	12-21	4	15	2	140	350	35	110
RCS4/MH	18-25	4	15	2	140	350	35	110
RCS5	22-35	8	15	2.6	140	350	35	140
RCS5/MH	26-45	8	15	2.6	140	350	35	140
RCS6	36-50	12	35	2.6	200	350	50	170
RCS6/MH	46-80	12	35	2.6	200	350	50	170
RCS7	80-100	15	40	2.6	140	350	50	170

Model	Capacity (l)	Working Weight (kg)	Shell Width E (mm)	Height A - Closed (mm)	Height B - Open (mm)	Width C - Closed (mm)	Width D - Open (mm)	Rotator Connection Width F (mm)	Mounting Pin Diameter G (mm)
RCS4-1000	1000	1460	1000	1640	1355	1730	2450	114	70
RCS4-1200	1200	1540	1200	1640	1355	1730	2450	114	70
RCS4-1400	1400	1420	1600	2490	1790	1980	2130	114	70
RCS4-1600	1600	1535	1800	2490	1790	1980	2130	114	70
RCS5-1500	1500	1950	1200	2490	1720	1980	2360	114	70
RCS5-2000	2000	2200	2000	2490	1720	1980	2360	114	70
RCS5-2500	2500	2300	2400	2490	1720	1980	2360	114	70
RCS5-3000	3000	2490	2400	2490	1720	1980	2360	114	70
RCS6-2000	2000	2920	1200	3130	2120	2390	2860	150	80
RCS6-2500	2500	3350	1500	3430	2380	2380	2860	150	80
RCS6-3000	3000	3530	1800	3430	2380	2380	2860	150	80
RCS6-4000	3000	3920	2500	3430	2575	2380	2860	114	80
RCS7-5000	5000	6500	2000	3750	2450	2750	3900	114	80
RCS7-6000	6000	6800	2400	3750	2450	2750	3900	114	80
RCS7-7000	7000	7550	2800	3750	2450	2750	3900	114	80
RCS7-8000	8000	7850	3200	3750	2450	2750	3900	114	80

* Grab design can be amended to suit customers requirements. * Larger models available upon request.

RAIL SPEC DIGGING GRABS

PRODEM RAIL SPEC DIGGING GRABS OFFER DIGGING SOLUTIONS FOR ALL EXCAVATORS WITH LIMITED SPACE AND MANOEUVRABILITY.

BENEFITS OF PRODEM RAIL SPEC DIGGING GRABS

- >> Shortened version specifically for track construction on 2-way excavator
- >> Shells interchangeable with 3-point plug-in system
- >> Compact rotary motor endless hydraulic rotation
- >> Side and bottom cutting edges made of high strength steel (450 HB)
- >> Mechanical opening and closing strokes piston rod protection
- >> Hose guard for the hydraulic connections to the rotary motor
- >> Forged 2-hole bolt-on teeth

ROTATION MOTOR

Fully protected compact rotary motor, endless hydraulic rotation with integrated pressure limitation

RAM GUARD

Offers full protection of cylinder

DIGGING SHELLS

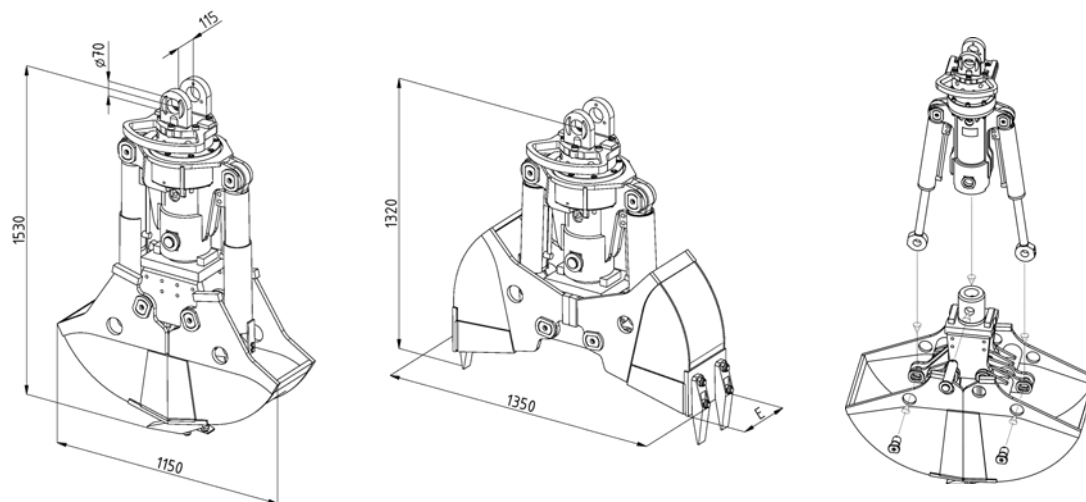
All models throughout the range have interchangeable shells that can be changed by 3 point pin on system

TEETH

Bolt-on replaceable forged teeth

THE PRODEM DCS25RW HAS BEEN DESIGNED SPECIFICALLY FOR THE RAIL INDUSTRY, YET IT STILL HAS THE BENEFIT OF THE QUICK CHANGE SHELL SYSTEM AND THE HIGH CLOSING FORCE.

TECHNICAL SPECIFICATION



Model	Content - SAE (l)	Working Weight (kg)	Cutting Width E (mm)	Number Of Teeth
DC2.5RW-290	115	620	290	3
DC2.5RW-300	125	650	300	3
DC2.5RW-400	165	675	400	3
DC2.5RW-500	205	710	500	5
DC2.5RW-600	250	740	600	5
DC2.5RW-700	290	790	700	7
DC2.5RW-800	330	840	800	7

Technical Data				
Excavator Weight Class	t		13-21	
Load-Bearing Cap. Max.	t		Grab: 4 / Rotating Motor: 10	
Bulk Weight To	t/m ³		2	
Max Operating Pressure	bar		300 (Grab Function) / 250 (Rotation Function)	
Max Closing Force	kN		64	
Hyd. Connections			Rotation: G1/2/ Open/Close: G 3/4	
Max. Oil Flow	l/min		Rotation: 28 / Open/Close: 48	

* Grab design can be amended to suit customers requirements. * Larger models available upon request.

ORANGE PEEL GRABS

PRODEM ORANGE PEEL GRABS ARE AVAILABLE IN A NUMBER OF DIFFERENT STYLES. THE MT SERIES OFFERS ULTIMATE POWER AND RELIABILITY WITH SLEW RING/MOTOR PROTECTION, EASY ACCESS TO HYDRAULIC CYLINDERS VIA PROTECTION COVER.

ROTATION MOTOR

Fully protected compact rotary motor, endless hydraulic rotation with integrated pressure limitation

CYLINDER PROTECTION

Full cylinder over-stroke protection

SHELLS

Made from high-strength fine-grain steel, three, four and five shell versions available

TIPS

Forged manganese-replaceable

BENEFITS OF PRODEM ORANGE PEEL GRABS

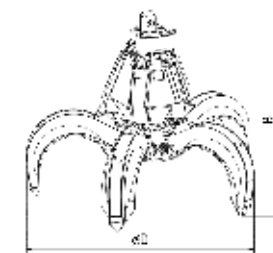
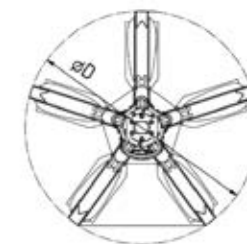
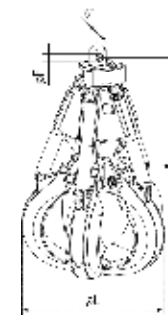
- >> Forged manganese-replaceable tips
- >> Full cylinder over-stroke protection
- >> Fully protected compact rotary motor, endless hydraulic rotation with integrated pressure limitation
- >> High-strength fine-grain steel shells. Three, four and five shell versions available
- >> Hose protection shield
- >> The PRODEM Orange Peel Grab range offers grabs from a 300-1250 litre volume to suit every need.

“ WE’VE FOUND THE PRODEM SCRAP GRABS TO BE VERY RELIABLE, PARTICULARLY WITH THEIR SLEW RING SYSTEM. THEY ARE BUILT TO A VERY HIGH LEVEL OF QUALITY AND OFFER GREAT PERFORMANCE AND RELIABILITY. ”

TECHNICAL SPECIFICATION

Model	Excavator Weight Class (t)	Max. Grab Capacity (t)	Max. Rotation Load (t)	Working Pressure - Rotation (bar)	Working Pressure - Open/Close (bar)
MT3.2	16-24	2	10	140	350
MT3.6	20-30	4	15	140	350
MT4.6	30-55	8	15	140	350
MT5.6	55-70	10	26	140	350
MT6.6	70-100	15	35	140	350
MT7.6	100-220	15	40	140	350

Model	Capacity (l)	Working Weight (kg)	Diameter (mm) (Open)	Height A (mm) (Closed)	Height B (mm) (Open)	Width C (mm) (Closed)	Width D (mm) (Open)
MT3.2-500	500	970	2000	2050	1680	2040	2220
MT3.6-400	400	1475	1940	2130	1805	1285	2115
MT3.6-600	600	1550	2100	2230	1850	1375	2300
MT3.6-800	800	1600	2275	2330	1900	1465	2490
MT4.6-400	400	1920	1990	2185	1790	1350	2160
MT4.6-600	600	2035	2120	2270	1820	1360	2320
MT4.6-800	800	2140	2380	2405	1865	1540	2600
MT4.6-1000	1000	2290	2565	2515	1900	1680	2800
MT5.6-600	600	2610	2240	2350	1950	2640	2240
MT5.6-800	800	2740	2485	2500	2065	2850	2425
MT5.6-1000	1000	2870	2675	2610	2100	3150	2620
MT6.6-2500	2500	4400	3575	3335	2545	2270	3910
MT6.6-3000	3000	4475	3730	3440	2580	2285	4100
MT6.6-3500	3500	4665	3860	3505	2600	2420	4220
MT7.6-3000	3000	7700	3840	3950	3300	2600	4350
MT7.6-4000	4000	7900	4020	4010	3325	2850	4570
MT7.6-5000	5000	8160	4180	4100	3360	3050	4740
MT7.6-8000	8000	8800	4660	4370	3480	3400	5300



* Grab design can be amended to suit customers requirements. * Larger models available upon request.

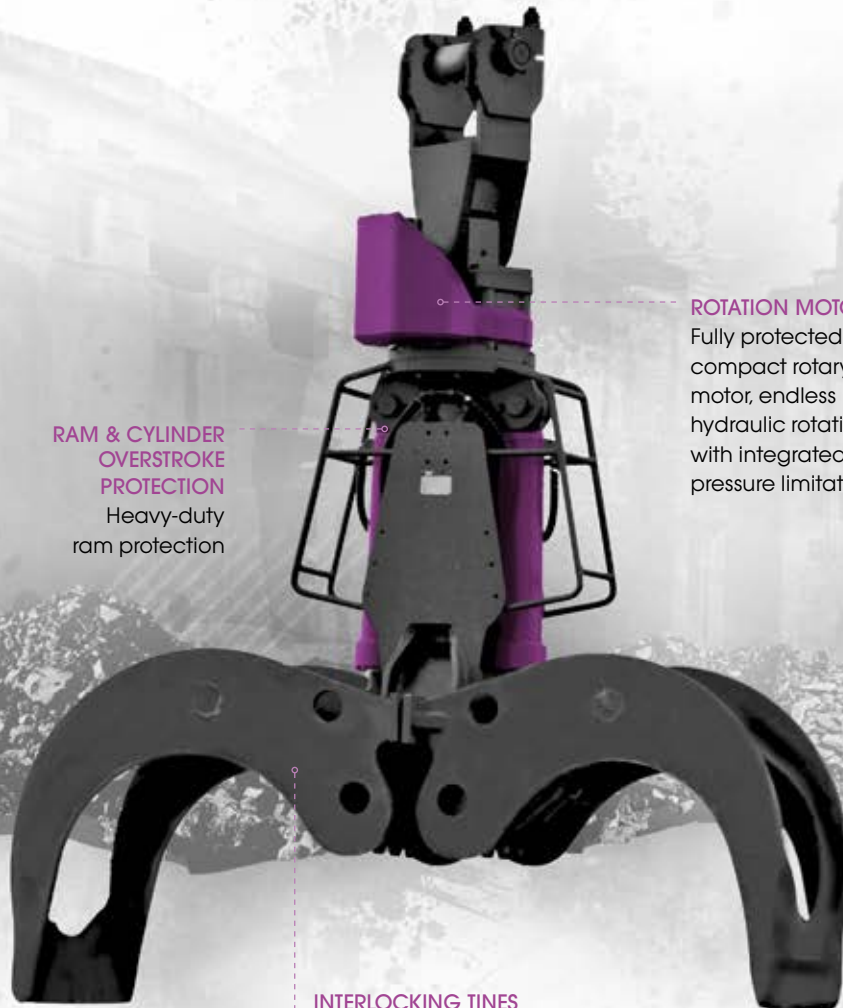
TIMBER GRABS

PRODEM OFFER TWO STYLES OF TIMBER GRABS SUITABLE FOR MATERIAL HANDLERS AND EXCAVATORS FROM 2-65 TON OPERATING WEIGHT.

THE PRODEM TIMBER GRABS CAN BE CUSTOMISED TO SUIT MOST APPLICATIONS AND REQUIREMENTS.

BENEFITS OF PRODEM TIMBER GRABS

- >> Heavy-duty ram and cylinder overstroke protection
- >> Fully protected compact rotary motor - endless hydraulic rotation with integrated pressure limitation
- >> Interlocking tines allowing a tight clamping of the log or trunk
- >> Built using wear-resistant quality materials for maximum durability



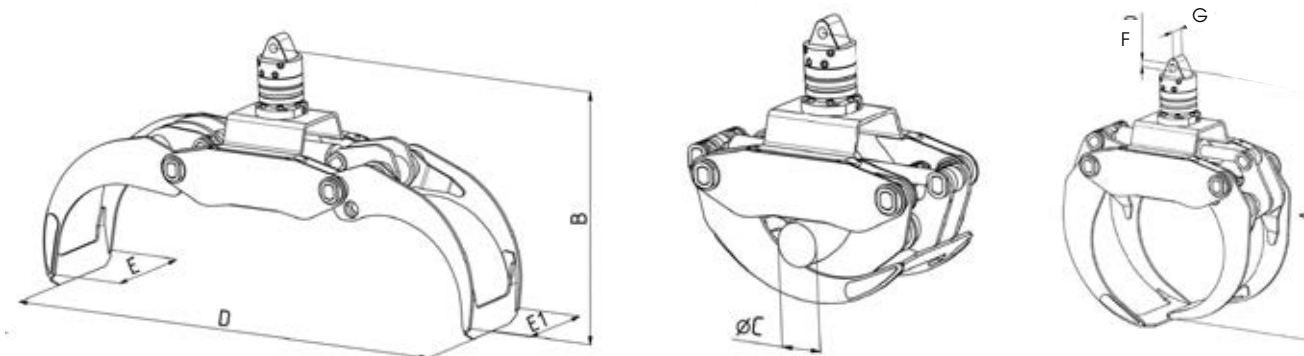
RAM & CYLINDER OVERSTROKE PROTECTION
Heavy-duty ram protection

ROTATION MOTOR
Fully protected compact rotary motor, endless hydraulic rotation with integrated pressure limitation

INTERLOCKING TINES
Allowing a tight clamping of the log or trunk

WEAR RESISTANT QUALITY MATERIALS
Used for maximum durability and minimum downtime

TECHNICAL SPECIFICATION



Model	Excavator Weight Class (t)	Material Handler Weight Class (t)	Working Weight (kg)	Volume (m ³)	Max Grab Capacity (t)	Max Load - Rotation (t)	Max Operating Pressure - Rotation (bar)	Max Operating Pressure - Open/Close (bar)	Height A - Closed (mm)	Height B - Open (mm)	Min. Log Diameter C (mm)	Max Opening D (mm)	E/E1 (mm)	Mounting Pin Diameter F (mm)	Rotation connection Width G (mm)
TG028-L	2-7	2-7	185	0.28	4	4	250	250	1060	980	90	1280	335/375	30	84
TG035-L	2-7	2-7	235	0.35	4	4	250	250	1190	1115	100	1950	470/520	30	84
TG040	8-14	8-14	455	0.4	5	5	250	250	1355	1140	150	1085	460/530	45	101
TG050	8-14	8-14	485	0.5	5	5	250	250	1420	1180	180	1145	460/530	45	101
TG4-500	15-21	18-25	965	0.5	4	15	140	350	2460	2010	150	1820	660/520	70	114
TG4-650	15-21	18-25	1015	0.65	4	15	140	350	2540	2050	150	1950	660/520	70	114
TG4-800	15-21	18-25	1085	0.8	4	15	140	350	2710	2135	200	2255	860/660	70	114
TG4-1000	15-21	18-25	1145	1	4	15	140	350	2820	2190	210	2445	860/660	70	114
TG4.6-800	20-30	22-35	1400	0.8	6	15	140	350	2880	2215	50	2380	840/700	70	114
TG4.6-1000	20-30	22-35	1480	1	6	15	140	350	2950	2265	90	2540	840/700	70	114
TG4.6-1250	20-30	22-35	1530	1.25	6	15	140	350	3080	2310	110	2765	840/700	70	114
TG4.6-1500	20-30	22-35	1540	1.5	6	15	140	350	3200	2350	125	2990	840/700	70	114
TG4.6-1750	20-30	22-35	1715	1.75	6	15	140	350	3310	2400	150	3190	840/700	70	114
TG4.6-2000	20-30	22-35	1915	2	6	15	140	350	3435	2435	240	3390	840/700	70	114
TG5.6-1250	30-45	35-65	2200	1.25	12	26	140	350	3280	2480	100	2825	840/700	80	149
TG5.6-1500	30-45	35-65	2240	1.5	12	26	140	350	3405	2525	120	3055	840/700	80	149
TG5.6-1750	30-45	35-65	2300	1.75	12	26	140	350	3520	2565	140	3275	840/700	80	149
TG5.6-2000	30-45	35-65	2350	2	12	26	140	350	3630	2600	150	3485	840/700	80	149
TG5.6-2500	30-45	35-65	2470	2.5	12	26	140	350	3900	2695	170	4000	840/700	80	149

TINED TIMBER GRABS

PRODEM TINED TIMBER GRABS OFFER MORE A VERSATILE SOLUTION TO LAND CLEARANCE AND FORESTRY CONTRACTORS.

BENEFITS OF PRODEM TINED TIMBER GRABS

- >> 5 or 7 tines options available
- >> Fully protected compact rotary motor, endless hydraulic rotation with integrated pressure limitation
- >> Interlocking tines allow a tight clamping of the log or trunk
- >> Ram and cylinder overstroke protection. Heavy-duty ram protection shell versions available

“ I’VE FOUND THE PRODEM TIMBER GRAB SO VERSATILE AND POWERFUL THAT IT HAS REALLY CHANGED THE WAY WE WORK. WE’VE NOW JUST INVESTED IN ANOTHER. ”



TECHNICAL SPECIFICATION

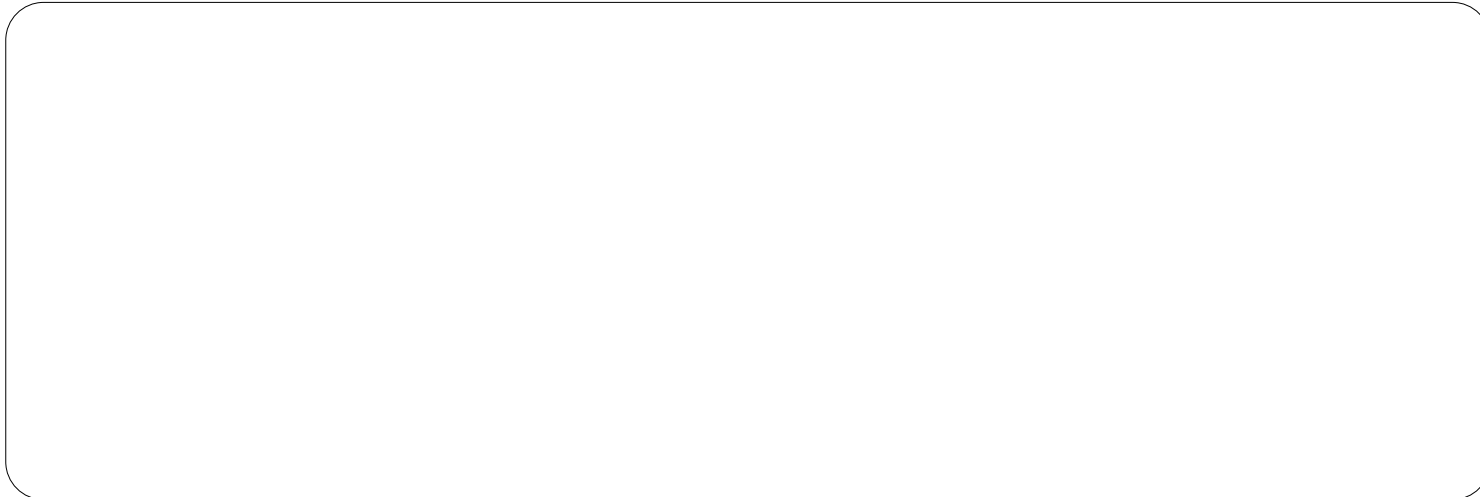
Model	Excavator Weight Class (t)	Working Weight (kg)	Max Pressure - Open / Closed (bar)	Oil Flow - Open / Close (l/min)	Max Pressure - Rotation (bar)	Oil Flow - Rotation - (l/min)	Width (mm)	Max Opening (mm)	Height (mm)	Diameter (mm)	Closing Force (kN)
PSG150-B	1,2-3	150	300	25	210	10	450	1100	765	80	15
PSG150-B 7 Tine	1,5-4	160	300	30	210	10	450	1100	765	80	15
PSG450-B	5-8	350	300	50	210	12	550	1540	1000	70	24
PSG450-B 7 Tine	5-8	400	300	50	210	12	735	1540	1000	70	24
PSG452-B	6-11	450	320	70	210	15	550	1540	1100	70	24
PSG452-B 7 Tine	6-11	500	320	70	210	15	735	1540	1100	70	24
PSG602-B	10-16	800	350	100	210	25	515	2050	1350	120	35
PSG602-B 7 Tine	10-16	920	350	100	210	25	800	2050	1350	120	35
PSG802-B	12-20	1000	350	120	210	25	735	2050	1340	125	46
PSG802-B 7 Tine	12-20	1100	350	120	210	25	910	2050	1340	125	46
PSG1102-B	16-24	1000	350	120	210	35	910	2050	1340	125	46
PSG1102-B 7 Tine	16-24	1150	350	120	210	35	910	2050	1340	125	46
PSG1202-B	17-28	1500	350	160	210	35	910	2250	1550	200	68
PSG1202-B 7 Tine	17-28	1700	350	170	210	35	1230	2250	1550	200	68
PSG1900-B	25-35	1800	350	160	210	35	910	2250	1550	200	68
PSG1900-B 7 Tine	25-35	2050	350	170	210	35	1230	2250	1550	200	68
PSG2700-B	30-50	2900	350	200	210	40	1200	2850	1900	225	90

* Dimensions and Weights vary depending on qty of tines.

PRODEM

A Force You Can Depend On

Contact your authorised ***PRODEM*** dealer:



E sales@prodem-attachments.com www.prodem-attachments.com