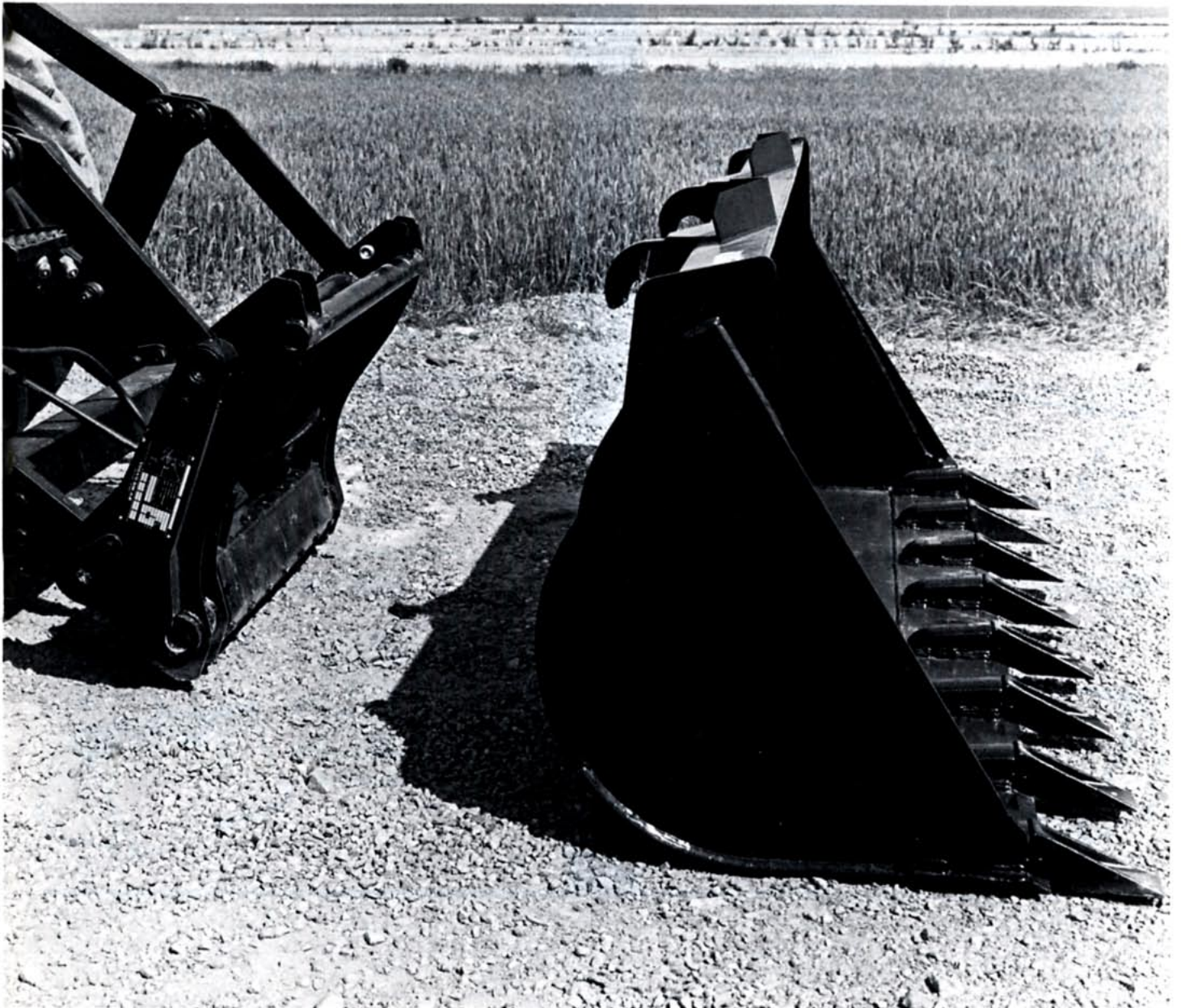


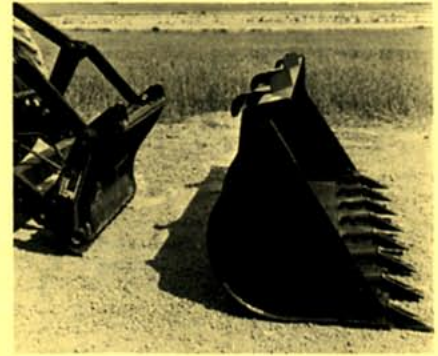
# ATTACHMENTS

FOR VOLVO BM LOADERS

# 622/642



Different material require different kinds of handling – but not necessarily different machines. The Volvo BM Allrounders equipped with the properly selected attachments are the economical solution. With its quick-on coupling and wide range of attachments the Allrounder is an entire materials handling system. The new attachment quickcoupling is a rugged heavy duty unit making it very easy to change attachments. The hydraulic locking is standard – the operator doesn't even have to leave the cab when he changes attachments. This enables him to change rapidly from one task to another without wasting time.



### STRAIGHT LIP WITHOUT TEETH

Sand, gravel – 1 800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>)  
Soil – loading up into haulage vehicle

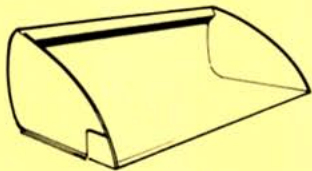


The bucket is designed for loading material which can be broken loose from the bank with relative ease. Bucket capacity is chosen in relation to material density.

Order No.	Volume SAE m <sup>3</sup>	Width	Depth	Height	No. of teeth	Mounting R' D**	Weight kg
98475	1.0	2350	730	970	-	R	440
97859	1.3	2350	805	960	-	R	540

### GRADING BUCKET

For materials of density 1300–1500 kg/m<sup>3</sup> (2200–2500 lb/yd<sup>3</sup>)

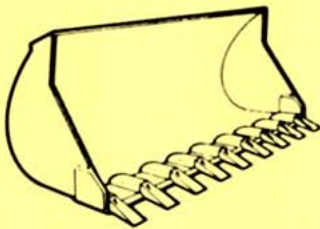


This bucket is intended for earthmoving work such as overburden removal, small-scale dozing and excavation work, landscaping and levelling of excavation materials. Its low height, deep bottom and special L profile make the bucket ideal for grading work.

98609	1.4	2350	1170	730	-	R	570
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### STRAIGHT LIP WITH TEETH

Sand, gravel – 1 800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>)  
Soil, clay etc. – 1 500 kg/m<sup>3</sup> (2500 lb/yd<sup>3</sup>)



The bucket is designed for loading material which requires high penetration and breakout forces. Bucket capacity is chosen in relation to material density.

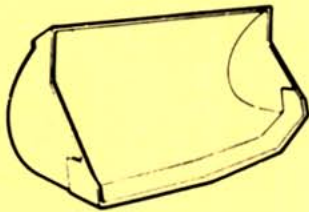
98476	1.0	2350	875	970	8	R	495
97860	1.3	2350	950	960	8	R	595

Volvo BM Allrounders are distinguished by outstanding parallel side-arm action. This comes in especially handy for all loading and unloading work.

Quick attachment changes is also a great advantage.



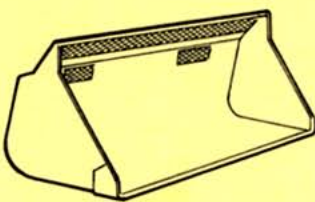
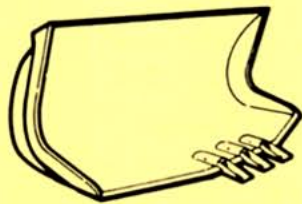
### BLUNT VEE LIP WITHOUT TEETH



*For gravel and finely-blasted rubble.*

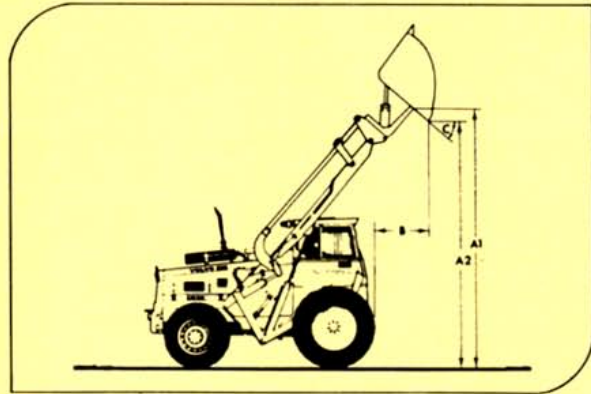
*The bucket is used for loading materials which require high penetration and breakout forces. Bucket capacity is chosen in relation to material density.*

Order No.	Volume SAE m <sup>3</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
98478	1.0	2350	890	890	-	R	470
<b>BLUNT VEE LIP WITH TEETH</b>							
<i>For hard gravel and rock. Density 1800-2000 kg/m<sup>3</sup> (3000-3400 lb/yd<sup>3</sup>)</i>							
<i>The bucket has low-cut sides to permit large pieces of material to be handled easily.</i>							
98479	1.0	2350	1035	890	3	R	490
<b>LIGHT MATERIALS BUCKET</b>							
<i>Soil, coal - 1100-1300 kg/m<sup>3</sup> (1850-2200 lb/yd<sup>3</sup>)</i>							
<i>This bucket is intended for handling material of low density at relatively low dumping heights.</i>							
98611	2.1	2350	1050	1130	-	R	540
98018	2.5	2350	1280	1200	-	R	735



**HIGH-DUMP BUCKET. DIMENSIONS OF BUCKET POSITIONS.**

	A1	A2	B
7592	4150	3985	1360 mm
7591	4150	3985	1360 mm
7829	4300	4000	2100 mm



**HIGH-DUMP LIGHT MATERIALS BUCKET**

*For wood chips, coal, coke etc.*

*For material of density max. 500 kg/m<sup>3</sup> (850 lb/yd<sup>3</sup>)*

*The bucket is intended for handling materials of very low density. Since it can be dumped over a special frame, a higher unloading height can be reached. Bucket capacity is chosen in relation to material density.*



*This bucket requires the third hydraulic function on the loader.*

Order No.	Volume SAE m <sup>3</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
98612	1.6	2350	1065	1040	-	R	760
98613	2.8	2350	1100	1335	-	R	825
97939	3.5	2350	1400	1470	-	R	1045

**COMBI-BUCKET**

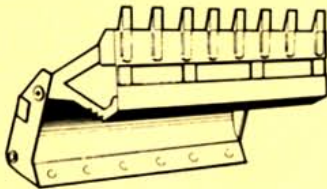
*For soil, clay etc.*

*Density 1300-1800 kg/m<sup>3</sup> (2200-3000 lb/yd<sup>3</sup>)*

*This bucket is intended for different types of earthmoving work and can be used as*

- an ordinary bucket*
- a grader blade*
- a dozer blade*
- a grab bucket*

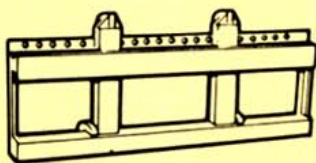
*This attachment requires the third hydraulic function on the loader.*



98027	1.1	2350	915	1075	8	R	900
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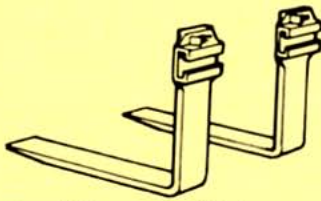
**FORK FRAME**

*The fork frame in combination with different fork tines is particularly useful on building sites, at sawmills, terminals etc. A 1200 mm fork frame is recommended for handling pallets from one side of a truck.*



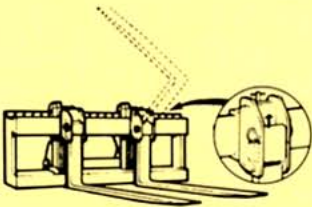
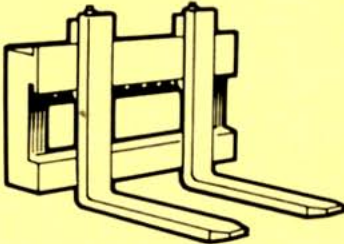
97791	-	1200	165	730	-	R	120
97792	-	1500	165	730	-	R	130
97793	-	2000	165	730	-	R	165

## FORK TINES



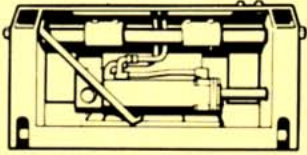
Three types of tines are available for handling different materials. They can all be used with the fork frame described above.  
Note that excessively long fork tines can damage materials located behind the load when the load is picked up or set down.

Note! The order No is for one fork tine.

Order No.	Rec. load kg	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
97788	1900	(W x t) 125x50	1050	780	-	-	115
97789	1900	125x50	1225	780	-	-	125
97790	1900	125x50	1450	780	-	-	130
<hr/>							
<b>HINGED FORK TINES</b>							
 <p>Hinged fork tines are used where surface irregularities make the load difficult to pick up with conventional fork tines. The upward movement of the tines is 75 mm. They can also be folded back, a safety feature for driving on public roads.</p>							
98097	1900	(W x t) 125x50	1050	810	-	-	115
98098	1900	125x50	1225	810	-	-	125
98099	1900	125x50	1450	810	-	-	130
<hr/>							
<b>STONE FORK</b>							
 <p>A heavy-duty fork designed specially for the handling, breaking out and transport of large stones.</p>							
	1900	1200	800	575	-	R	400

Order No.	Volume SAE m <sup>3</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
		1250	-	-	-	R	290
97953	-	1365	1370 (Fork tines 1225)	810	-	R	435
97952	-	1365	1370 (Fork tines 1225)	810	-	R	470
98094	-	1340	1000	920	-	R	460
98095	-	1340	1500	800	-	R	500

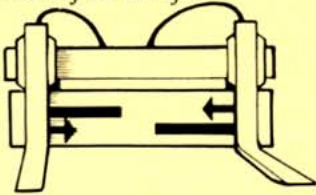
### HYDRAULIC SIDESHIFT



This attachment is used for precision work. The attachment bracket can be shifted sideways hydraulically. This requires the third hydraulic function on the loader.

### PALLET FORK WITH FORK POSITIONER

This type of fork frame is ideal in cases where the width of the goods varies. The fork tines can be adjusted to fit the width of the load for

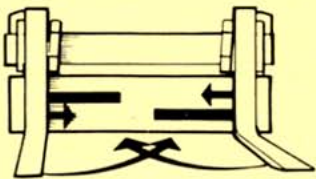


stable and secure handling. Adjustment range 350-390 mm (14-37 in). With one hydraulic function, the fork tines can be positioned in unison. With two hydraulic functions, they can be positioned individually.

**NOTE!** The attachment is not designed for shifting of the load.

### PALLET FORK WITH FORK POSITIONER AND FOLD-IN

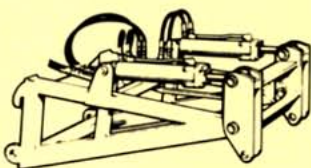
**NOTE!** The attachment is not designed for load-shifting.



The same functions as the above fork plus the fact that this fork automatically folds in its tines when they are moved to the outer positions. A very safety-enhancing feature for unladen travel.

This attachment requires two hydraulic functions.

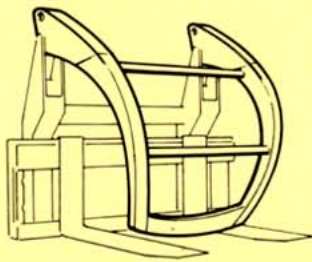
### EXTENSION



The extension is recommended for work with a pallet fork bucket etc. where high lifting height and a long reach are required, but the loads are light. Examples are the loading of roof tiles into house roofs, snow-shovelling from roof to bucket, work over obstacles etc.

One hydraulic function is required for the attachment.

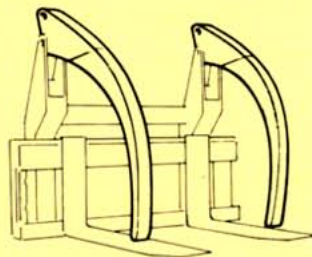
### COMBI-FORK WITH ONE-PIECE CLAMP



A fork which is recommended for the handling of palletized goods and roundwood. Fork tines of desired length can be mounted on the frame. Jointed fork tines can be used for handling materials on uneven surfaces. This attachment requires one hydraulic function. NOTE. Fork tines not included.

Order No.	Area m <sup>2</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
97949	0.8-1.05	2000	1050-1450 Depending on length of fork tine	1600	-	R	575

### COMBI-FORK WITH TWIN-ARM CLAMP

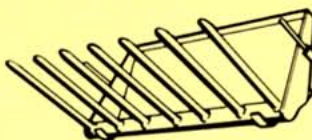


This fork is suitable for materials handling at pulp mills, on building sites and other places where both palletized goods and compressible material such as waste paper, packaging materials etc. are handled. The clamping arms are automatically adjusted to provide a secure grip. This attachment requires one hydraulic function. NOTE. Fork tines not included.

97950	0.8-1.05	2000	1050-1450 Depending on length of fork tine	1600	-	R	555
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### MANURE FORK

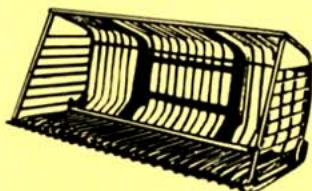
An implement designed especially for the handling of manure.



-	-	1400	680	605	7	R	180
-	-	1800	680	605	9	R	200

### BEET BUCKET

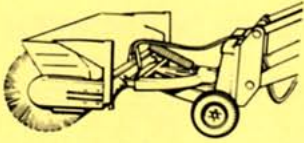
A wire bucket for the efficient handling of beets and other root vegetables. The open construction allows soil and foreign matter to drop through without damage to the vegetables.



Potato accessory for the beet bucket.

-	-	2300	1000	1050	-	R	385
-	-	2300	1000	1050	-	-	55

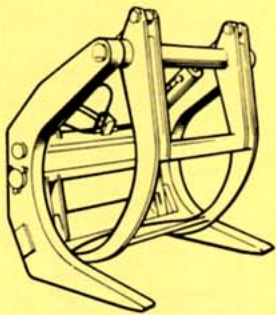
## ROTARY SWEEPER



Brush diameter: 600 mm (24 in)  
 Speed of rotation: 150 rpm  
 Required hydr. pres.: 75 kgf/cm<sup>2</sup>  
 (1066 lbf/in<sup>2</sup>)  
 Max. hydr. oil flow:  
 100-120 l/min  
 (176-211 pt/min)

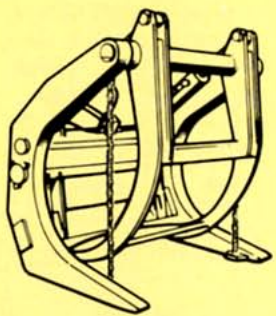
The rotary sweeper is used in factories, harbours etc. where refuse is not collected. The sweeper can be equipped with a sprinkler nozzle which sprays water in order to bind the dust. Two hydraulic functions are required to operate the brushes and for diagonal adjustment, up to 30° to either side.

## LOG GRAPPLE



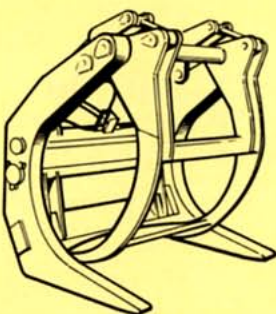
This grapple is suitable for all types of round-wood handling in a saw-mill, a pulp mill or at a landing. The grapple requires the third hydraulic function.

## LOG GRAPPLE



This grapple is specially designed for single-log handling or for extra-high stacks. The chain holder permits higher stacking, since the grapple does not have to be tilted to dump the load. One hydraulic function is required for the attachment.

## PULPWOOD GRAPPLE



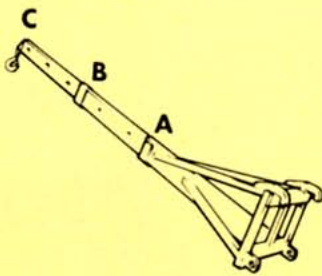
Log grapple for sorting mills where no major truck unloading work is done. The grapple requires one hydraulic function.

Order No.	Area m <sup>2</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
	-	2500	-	-	-	R	500
without chain 98512	0.8	1600	1120	1350	-	R	575
with chain 98513	0.8	1600	1120	1350	-	R	670
without chain 97878	0.9	1600	930	1040	-	R	740
with chain 97877	0.9	1600	930	1040	-	R	800
97875	0.9	1600	930	1600	-	R	800
97876	0.9	1600	930	1600	-	R	865



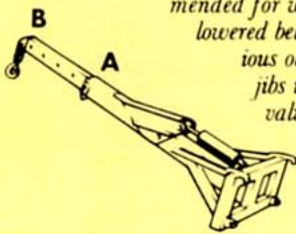
Order No.	Volume SAE m <sup>3</sup>	Length mm A	Length mm B	Length mm C	No. of teeth	Mounting R' D''	Weight kg
97824	-	1850	3000	4100	-	R	385
97819	-	3100	4100	-	-	R	435
98616	-	1750	2940	4100	-	R	-
98617	-	3300	4500	-	-	R	-

### 3-SECTION MECHANICAL CRANE JIB



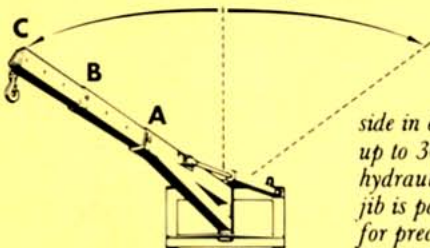
*This crane jib is used on building construction sites for pipelaying etc. It has three extendable sections with built-in mechanical stops to prevent them from being pulled apart.*

### HYDRAULIC ARTICULATED CRANE JIB



*This articulated jib has an extendable outer section which can also be luffed. It is recommended for work where the load has to be lowered below ground level or where various obstacles have to be passed. The jib is equipped with a line rupture valve and the outer section is lowered at a restricted rate. Articulation angle 80°. Requires the third hydraulic function.*

### HYDRAULIC 3-SECTION PIVOTED CRANE JIB



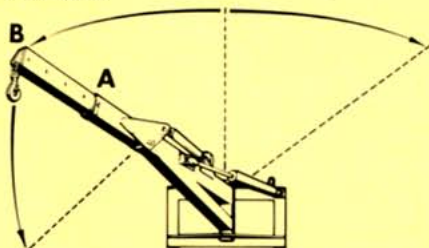
*This crane jib has two extendable sections. The jib can be swung to the*

*side in either direction up to 30° by means of a hydraulic cylinder. This jib is particularly suitable for precision work. Requires the third hydraulic function for the pivoting function.*

### HYDRAULIC PIVOTED AND ARTICULATE CRANE JIB

*This crane jib has one extendable section. The jib has two hydraulic cylinders, one for raising and lowering the middle section and one for pivoting the entire jib 30° in either direction. Two hydraulic functions are required for the attachment.*

*This crane jib is used where loads have to be lifted over obstacles and positioned with precision. The oil flow to the control cylinders is constricted to allow high precision control.*

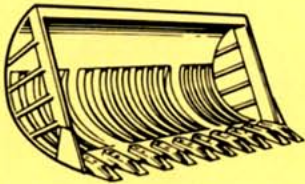


## CONCRETE BUCKET



*The concrete bucket is operated by means of two hydraulic cylinders which require one hydraulic function. The attachment is used for the distribution of ready-mixed concrete. Requires the third hydraulic function.*

## SKELETON BUCKET



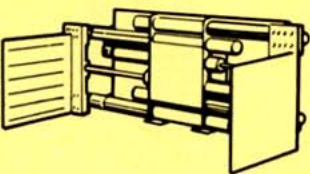
*This bucket is designed to handle paving stone or rubble and to leave soil and sand on the loading site.*

## SAND-SPREADING BUCKET



*This bucket is designed for spreading sand with a grain size of less than 10 mm. The adjustable spreading nozzles at the rear permit half of the spreading width to be used if desired. The bucket can also be used for light snow removal. Requires the third hydraulic function.*

## HYDRAULIC BALE CLAMP



*This attachment has two clamping plates, each operated by its own double-acting hydraulic cylinder. Requires the third hydraulic function. The bale clamp is used for handling bales of paper, paper pulp, peat litter etc.*

Order No.	Volume SAE m <sup>3</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
	0.65/ 0.85	1515	700	750	-	R	460
98610	1.3	2350	765	870	8	R	550
97287	1.5	2350	1180	1080	-	R	550
98067	-	1600	1050	850	-	R	630

## PAPER ROLL ROTATOR

Designed for handling paper rolls at paper mills, harbours, terminals etc. where the reel



must be turned a number of times. With the paper trucks or roll rotator.

Railway waggons can be loaded straight across the platform.

Max. paper roll weight for 621/641: 1300 kg (2 870 lb). Max paper roll weight for 841: 1800 kg (4 000 lb).

Roll diameter: 430-1270 mm (17-42 in).

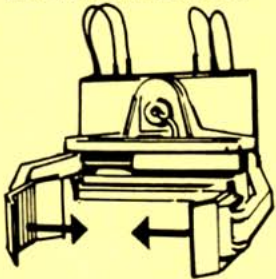
Angle of rotation: 360°.

Requires the third hydraulic function.

Order No.	Volume SAE m <sup>3</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
98614	-	1150	1200	950	-	R	780
97841	-	1400	1250	850	-	R	730
97843	-	1400	1700	850	-	R	720
98615	-	-	-	-	-	R	-

## BARREL ROTATOR

This attachment is designed for handling drums and barrels which



have to be turned in connection with emptying, loading or unloading, e.g. in scrap handling. Grip diameter max. 1500 mm (60 in).

The barrel rotator requires two hydraulic functions.

Max. total weight:

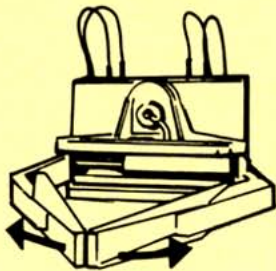
1500 kg (3300 lb)

Angle of rotation: 210° (105° in either direction)

Torque: 800 Nm (5900 lbf ft)

## BOX ROTATOR

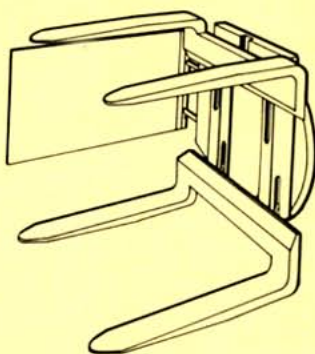
This attachment is identical to the drum turner except for the gripping



arms. It is designed for handling potato crates etc. which must be turned in connection with loading or unloading. Grip diameter: 300-1700 mm (12-67 in).

Max. crate or drum weight: 1500 kg (3300 lb). Angle of rotation: 210° (105° in either direction). Torque: 8000 Nm (5 800 lbf ft). This attachment requires two hydraulic functions.

## PALLET TURNER

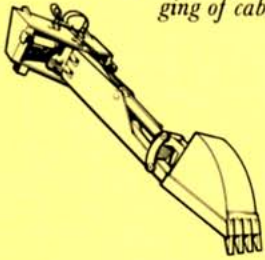


The pallet turner is used mainly for handling sacks in factories and terminals where the bottom sacks have been damaged and must be replaced. This is done by putting a pallet on the upper fork tines and then lifting the pallet with its sacks and turning the whole load. The damaged sacks can then easily be replaced.

Rotation 360°. Opening range 600-2500 mm.

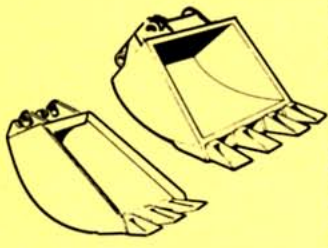
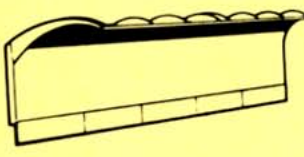
## POSTHOLE DIGGER

An excavator attachment for small-scale excavation work such as service excavation, digging of cable trenches, postholes etc.

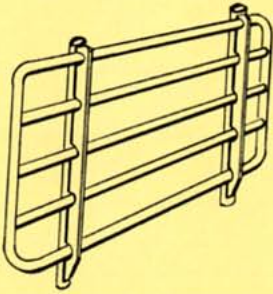


Digging depth 3.5 m  
(11 ft 6 in)  
Swing angle 170°  
Dumping height 3.1 m  
(10 ft 2 in)

The machine used with this attachment must have both a 3rd and a 4th hydraulic function.

Order No.	Volume SAE m <sup>3</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
97977	-	1450	3250	900	-	R	850
<b>EXCAVATION BUCKETS</b>							
Three different buckets are available for the posthole digger. They can be easily mounted and removed.							
97822	-	475	-	-	-	-	90
97823	-	350	-	800	-	-	100
97821	-	550	-	600	-	-	130
 <p>Posthole bucket, 53 litres (1.9 ft<sup>3</sup>) four teeth Cable bucket, 96 litres (3.4 ft<sup>3</sup>) three teeth Excavator bucket, 167 litres (5.9 ft<sup>3</sup>) four teeth</p>							
<b>HYDRAULIC DOZER BLADE</b>							
Primarily intended for snow clearance where there is a risk for running into obstacles. Hydraulically adjustable 30° in either direction. Abrasion-resistant steel in five rubber-loaded sections. This attachment requires the third hydraulic function.							
-	-	3200	-	800	-	R	960
							

## PROTECTION BARS



*This type of attachment can be mounted both on old fork tines type 7511 . . . and on new tines 97788. The former type has a tube for mounting while the latter has a pin. The attachment is used for handling materials which should be supported so they do not fall over the load arms. According to AK 94, this is required for certain handling work.*

Order No.	Volume SAE m <sup>3</sup>	Width	Depth	Height	No. of teeth	Mounting R* D**	Weight kg
98568	-	1200	50	600	-	-	25

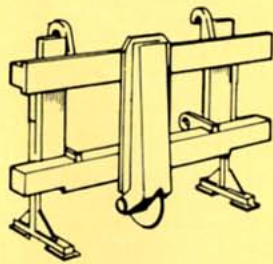
## PUSHER UNIT



*This attachment is used for moving railway wagons short distances in factories and terminals.*

98010	-	2500	1020	800	-	R	390
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## ASPHALT CUTTER

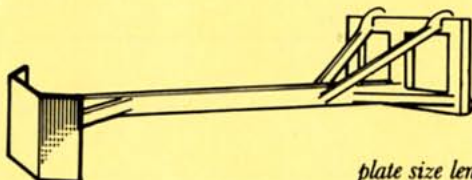


*Facilitates removal of asphalt for repair work on roads, sidewalks etc. This attachment makes one cut so that the asphalt edge is not damaged during excavation work. Cutting depth: 50-70 mm (2-3 in). Working depth: depending on fork frame, approx. 1200-2000 mm (47-79 in).*

97815	-	-	-	-	-	R	96
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## LONG REACH RAKE

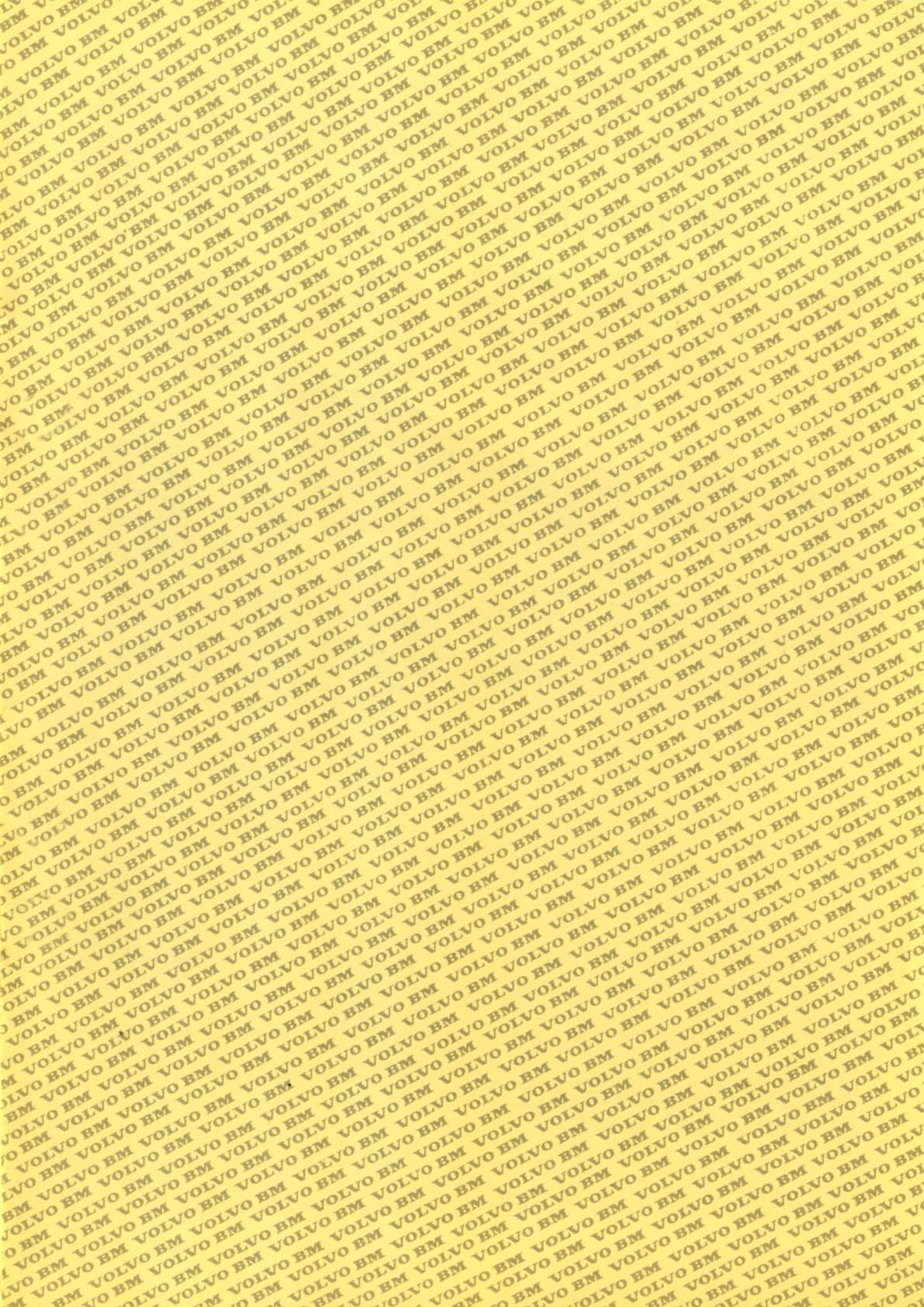
*An effective attachment for tidying up around sorting bins, feed tables etc. at sawmills and other timber handling sites.*



*plate size length  
600 x 1500 mm*

97798	-	1500	300	600	-	R	300
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*The Volvo BM 622 and 642 are the answer when the types of jobs vary and the demands on economy and operational reliability are high. The machines are the result of long experience and are equipped with numerous improvements to ensure the utmost efficiency.*

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# **VOLVO BM**

**VOLVO BM AB ESKILSTUNA SWEDEN**

*The manufacturers reserve the right to change specification or design without prior notice. Illustrations do not necessarily show the machine in its standard version.*

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**ENGELSKA**  
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