

BM-VOLVO

**STANDARD ATTACHMENTS
FOR ALLROUNDERS**

LM 422, LM 218, LM 620, LM 640, LM 840

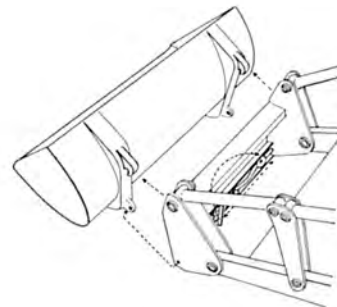


Their superior versatility has made the BM-VOLVO allrounders the most widely purchased loaders in Europe

Far earlier than any other manufacturer of loaders, Bolinder-Munktell realized that there existed a widespread need for loaders which in addition to bucket-loading also could manage a number of other jobs — handling timber, lumber and palletized loads, snow clearance, street sweeping, construction work, etc. The company also realized the need for loaders that could quickly switch from one job to another, from handling pallets to snow clearance, for instance.

This is the background of the range of BM-VOLVO allrounders and the systematically composed line of attachments which today comprises over 70 units — a line which is under continuous development to cover ever more fields of application. As simple as it is ingenious, the snap-on-coupling in the attachment bracket enables attachments to be changed in a minute. Their versatility and the possibility of fast changes of attachments have made the BM-VOLVO allround loaders the most widely purchased in Europe.

This brochure gives information on the standard attachments for the BM-VOLVO LM 422, LM 218, LM 620, LM 640 and LM 840. As indicated above, there is a continuous development of the attachment range. You would therefore be wise to contact your nearest BM-VOLVO distributor for up-to-date information on new attachments and certain special attachments not included in this brochure.



The snap-on-coupling in the attachment bracket enables attachments to be changed in a minute.



CORRECT BUCKET CHOICE

The bucket volume of a loader is no gauge of the machine's capacity per working hour. What decides the working capacity is the degree to which the bucket can be filled with the material involved with each sweep of the bucket. Beside the material handles, this degree is determined by

The BM-Volvo range of buckets makes it possible to choose the correct bucket for every loader and every material

The choice of bucket should aim at **maximum filling** in the material concerned. A loader working with an oversized bucket, and thereby achieving poorer filling because it cannot penetrate properly, will show lower outputs per hour and a higher cost per cubic yard handled. For maximum profitability in a range of different materials each loader should be provided with several buckets. Changing buckets is no problem in the case of BM-Volvo loaders, since the snap-on-coupling of the attachment bracket will allow the job to be done in a minute or so.

When choosing a bucket remember:
the harder the material, and thereby the greater the resistance to penetration,

the greater the need for an efficient bucket lip to facilitate penetration into the material and obtain a maximum degree of filling. Efficiency at the lip is secured firstly by choosing a narrower and more pointed bucket and secondly by using teeth.

the shape and width of the bucket and the penetration power of the loader. All BM-Volvo loaders are designed to give a maximum of penetration relative to their overall weight and engine power.

Buckets for light-weight materials

Large-capacity bucket may be used for materials of low density, such as coal, wood chips, snow, etc. These buckets should not be used for heavier materials, however, since this would reduce the loading capacity of the machine.

Lips of special steel

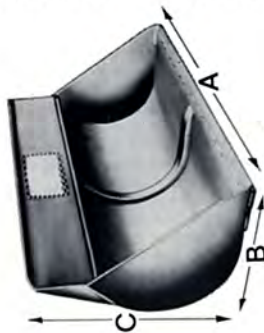
A number of buckets in each group are fitted with lips of special steel. Such buckets should be selected for work with hard materials and on surfaces causing severe bucket wear. The extra cost of these buckets will be repaid in the form of longer service life.

Summary

The profitability of a loader depends primarily on the choice of bucket. Bolinder-Munktell offers a range of buckets for each loader model, which makes it possible to choose the right bucket for every kind of material. This means maximum output per working hour and thereby the lowest possible cost per cubic yard of material loaded.

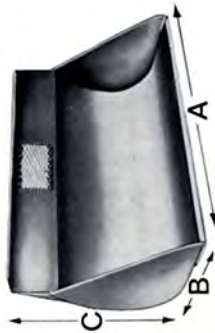
BUCKETS

**Straight lip
without teeth**
Sand, gravel
Unit weight
1700 kg/m³
2900 lb/cu.yd.



Sand, crushed
materials
Unit weight
1400—1500 kg/m³
2400—2500 lb/cu.yd.

Coal, dry soil
Unit weight
1100 kg/m³
1900 lb/cu.yd.



Snow
Unit weight
700—1000 kg/m³
1200—1700 lb/cu.yd.



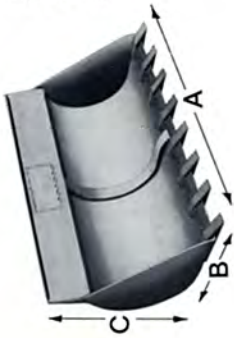
LM 422

LM 218

Part No.	Volume SAE m ³ cu.yd.	A Width mm in	B Depth mm in	C Height mm in	Steel type Spec. *	No. of teeth	Weight kg lb
7710	0.53	1400	750	740		—	220
7779	0.60	1400	950	780		—	250
		55 ¹ / ₄	29 ¹ / ₂	29 ¹ / ₄			485
		55 ¹ / ₄	37 ¹ / ₂	30 ³ / ₄			551
7573	0.90	2000	750	996		—	315
		78 ³ / ₄	29 ¹ / ₂	996			695
7574	1.00	2000	750	996	*	—	355
7586	1.15	2000	870	1020	*	—	345
		78 ³ / ₄	29 ¹ / ₂	996			783
		78 ³ / ₄	34 ¹ / ₄	1020			761
7586	1.15	2000	870	1020	*	—	345
7871	1.75	2000	1100	1180	*	—	375
7873	1.75	2000	1100	1180	*	—	415
7872	1.84	2200	1100	1180	*	—	385
		86 ³ / ₄	43 ¹ / ₂	46 ¹ / ₂			850
		86 ³ / ₄	43 ¹ / ₂	46 ¹ / ₂			850
		86 ³ / ₄	43 ¹ / ₂	46 ¹ / ₂			850
		86 ³ / ₄	43 ¹ / ₂	46 ¹ / ₂			959
		2000	870	1080			850
		2000	1100	1180			827
		2000	1100	1180			915
		2200	1100	1180			850
		2200	1100	1180			959

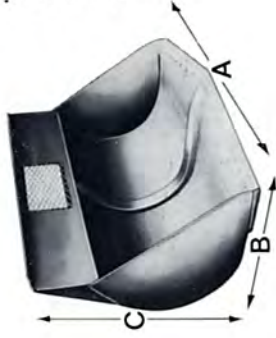
Straight lip with teeth

Sand, gravel
Unit weight
1700 kg/m³
2900 lb/cu.yd.



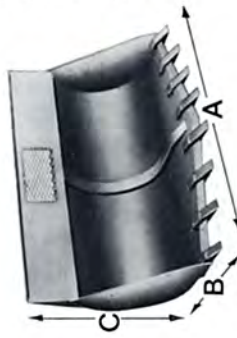
.Vee lip without teeth

Gravel, soil
Unit weight
1700 kg/m³
2900 lb/cu.yd.



Vee lip with teeth

Gravel banks,
hard gravel
Unit weight
1700—2000 kg/m³
2900—3400 lb/cu.yd.



Skeleton bucket

Paving stone,
blast rubble



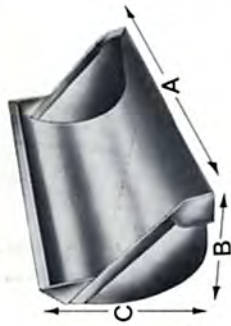
* Special steel
for maximum
wear-resistance

7714	0.53	³ / ₄	1400	55 ¹ / ₄	750	29 ¹ / ₂	740	29 ¹ / ₄	7	295	651	7575	0.70	⁷ / ₈	1600	63	750	29 ¹ / ₂	996	39 ¹ / ₄	8	315	695
												7577	0.80	1	1800	71	750	29 ¹ / ₂	996	39 ¹ / ₄	8	335	739
7702	0.57	³ / ₄	1400	55 ¹ / ₄	750	29 ¹ / ₂	740	29 ¹ / ₄	—	250	551	7581	0.75	1	1600	63	750	29 ¹ / ₂	996	39 ¹ / ₄	—	285	628
7706	0.57	³ / ₄	1400	55 ¹ / ₄	750	29 ¹ / ₂	740	29 ¹ / ₄	6	305	673	7584	0.75	1	1600	63	750	29 ¹ / ₂	996	39 ¹ / ₄	8	335	739
												7613	0.75	1	2000	78 ³ / ₄	750	29 ¹ / ₂	740	29 ¹ / ₄	10	350	772

BUCKETS

Straight lip without teeth

Sand, gravel
Unit weight
1700 kg/m³
2900 lb/cu.yd.



Sand, crushed materials
Unit weight
1400—1500 kg/m³
2400—2500 lb/cu.yd.



Coal, dry soil
Unit weight
1100 kg/m³
1900 lb/cu.yd.



Snow
Unit weight
700—1000 kg/m³
1200—1700 lb/cu.yd.



Wood chips, coke
Unit weight
500 kg/m³
850 lb/cu.yd.
High-dumping
Load-over height
4 m
12 ft

LM 620/640

LM 840

Part No.	Volume SAE m ³ yd ³	A Width mm in	B Depth mm in	C Height mm in	Steel type Spec. *	No. of teeth	Weight kg lb
7571	0.80	1800 71	750 29 1/2	996 39 1/4	*	—	295 651
7572	0.90	1800 71	750 29 1/2	996 39 1/4	*	—	320 706
7573	0.90	2000 78 3/4	750 29 1/2	996 39 1/4	*	—	315 695
7574	1.00	2000 78 3/4	750 29 1/2	996 39 1/4	*	—	355 783
7586	1.15	2000 78 3/4	870 34 1/4	1020 40 1/4	*	—	345 761
7588	1.30	2000 78 3/4	870 34 1/4	1080 42 1/2	*	—	385 850
7871	1.75	2000 78 3/4	1100 43 1/2	1180 46 1/2	*	—	375 827
7873	1.75	2000 78 3/4	1100 43 1/2	1180 46 1/2	*	—	415 915
7872	1.84	2200 86 3/4	1100 43 1/2	1180 46 1/2	*	—	385 850
7874	1.84	2200 86 3/4	1100 43 1/2	1180 46 1/2	*	—	435 959
7875	2.10	2400 94 1/2	1100 43 1/2	1180 46 1/2	*	—	440 970
7592	1.14	2200 86 3/4	1100 43 1/2	880 34 3/4	*	—	600 1323
7591	3.00	2230 88	1470 58	1620 63 3/4	*	—	850 1874
95060	1.30	2400 94 1/2	780 30 3/4	1000 39 1/2	*	—	550 1212
95423	1.60	2400 94 1/2	930 36 3/4	1050 41 1/2	*	—	600 1323
95016	1.90	2400 94 1/2	1060 41 3/8	1040 41	*	—	600 1323
93832	2.50	2400 94 1/2	1170 46 1/4	1365 53 3/4	*	—	750 1590
7829	4.00	2500 98 1/2	1500 59	1730 68 1/8	*	—	1000 2205

FORKS, ETC.



Fork frame



Fork tines

Right-hand
Left-hand
Right-hand
Left-hand
Right-hand
Left-hand
High back



Combi-fork

Frame with cylinders
Twin-arm clamp
Closed clamp
Slip-on heels
Fork frame 7566 S/7562 S



Stone fork

Heavy-duty angle-tine fork



Swivel Wood Clam

Clam frame with hydr. motor
Clam with 16 sq. ft. (1.5 m²)
grip area
Clam with 8 sq. ft. (0.75 m²)
grip area
(Weights include clam frame and hydraulic motor)



Log grapple

Grip area 7.1 sq. ft. (0.66 m²)

Part number				Dimensions			Weight kg lb
LM 422	LM 218	LM 620/ 640	LM 840	A mm in	B mm in	C mm in	
—	—	7560	7560	1200 47	—	—	145 320
7507	7507	—	—	1200 47	—	—	90 200
7527	7527	7566	7566	1500 59	—	—	160 353
—	—	7562	7562	1500 59	—	—	100 221
—	—	—	—	2000 78 ³ / ₄	—	—	185 408
7511	7511	7511	7511	—	1050 41 ¹ / ₄	575 22 ¹ / ₂	75 165
7521	7521	7521	7521	—	1050 41 ¹ / ₄	575 22 ¹ / ₂	75 165
7512	7512	7512	7512	—	1225 48 ¹ / ₄	575 22 ¹ / ₂	80 175
7522	7522	7522	7522	—	1225 48 ¹ / ₄	575 22 ¹ / ₂	80 175
7513	7513	7513	7513	—	1450 57	575 22 ¹ / ₂	110 240
7523	7523	7523	7523	—	1450 57	575 22 ¹ / ₂	110 240
7744	7744	7744	7744	—	—	100 4	—
7857	7857	7857	7857	1500 59	—	970/1120/1270	260 573
7848	7848	7848	7848	1500 59	—	381/44/50	170 375
7858	7858	7858	7858	1500 59	—	—	200 441
7849	7849	7849	7849	—	—	—	60 132
7566 S	7566 S	7562 S	7566 S	1500 59	—	—	85 408
7566 S	7566 S	7562 S	7562 S	2000 78 ³ / ₄	—	—	160 353
—	—	—	—	—	1050/1225/1450	41 ¹ / ₄ /48 ¹ / ₄ /57	185 408
—	—	7561	7561	1200 47	800 31 ¹ / ₂	575 22 ¹ / ₂	400 882
—	—	—	—	—	—	—	—
—	—	—	7845	—	—	—	—
—	—	—	7846	1000	—	—	1330 2930
—	—	—	7847	1000	—	—	1240 2730
—	7723	7723	—	1120 44	1040 41	1020 40 ¹ / ₄	370 816



"Grip-En" log grapple
 Grip area 7 sq. ft. (0.65 m²)
 Grip area 9.1 sq. ft. (0.85 m²)



Log grapple
 Grip area 10.2 sq. ft. (0.95 m²)



High-dumping log grapple
 Grip area 9.7 sq. ft. (0.9 m²)
 Dump clearance 14.1 ft. (4.3 m)
 4th hydr. function required



Pulpwood grapple
 Grip area 10 sq. ft. (0.93 m²)



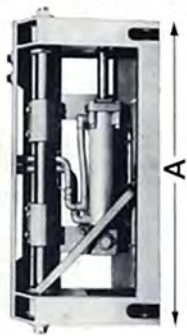
Pulpwood grapple
 Grip area 12.9 sq. ft. (1.2 m²)
 "Grip-En" attachment
 with two hydr. cyl.
 4th hydr. function required



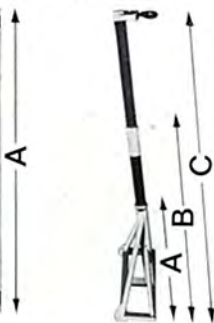
Grapple for tree-lengths
 Grip area 6.5 sq. ft. (0.6 m²)

—	7733 —	7733 7746	—	1150 45 ¹ / ₄ 1150 45 ¹ / ₄	1040 41 1260 49 ¹ / ₂	1020 40 ¹ / ₄ 1320 52	410 904 525 1158
—	—	7842	—	1150 45 ¹ / ₄	1300 51 ¹ / ₄	1320 52	600 1323
—	—	7856	—	1450 57	1100 43 ¹ / ₄	1500 59	950 2095
—	7729	—	—	1150 45 ¹ / ₄	1000 39 ¹ / ₂	1050 41 ¹ / ₄	400 882
—	—	7822 7823	—	1150 45 ¹ / ₄	1280 50 ¹ / ₂	1360 53 ¹ / ₂	850 1874 100 221
—	7828	7828	—	1500 59	1050 41 ¹ / ₄	920 36	500 1103

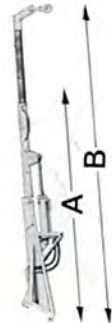
OTHER ATTACHMENTS



Hydr. side shift
Total deflection 1 ft. 10 in.
(330 mm)



Crane jib
3-section, mech.
3-section, pivoting 30°
Max. lift 21.3 ft. (6.5 m)
Lifting power at max.
out-reach 660 lb. (300 kg)



Crane jib
Hydr. hinged, lift 24.6 ft. (7.5 m)
Hydr. hinged and pivoting
30°; lift 23 ft. (7 m)
Lifting power at max.
out-reach 660 lb. (300 kg)
4th hydr. function required



Extension
Length 3.3 ft. (1 m)
Length 4.9 ft. (1.5 m)



Concrete bucket
Struck volume 0.85 cu.yd.
(0.65 m³)
Load-over height
LM 218 11.5 ft. (3.5 m)
LM 620/640 12.5 ft. (3.8 m)
LM 840 13.1 ft. (4 m)



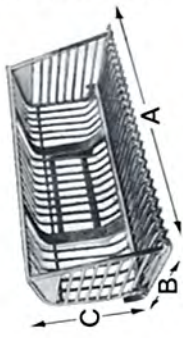
Dozer blade
Angled type
20° deflection in each
direction

Part number				Dimensions			Weight kg lb
LM 422	LM 218	LM 620/ 640	LM 840	A mm in	B mm in	C mm in	
7502	7502	7502	—	1250 49 ¹ / ₄	— —	— —	290 639
7501 7563	7501 7563	7501 7563	7501 7563	1750 1750 69 69	2940 2940 115 ³ / ₄ 115 ³ / ₄	4100 4100 161 ¹ / ₂ 161 ¹ / ₂	180 397 300 662
7504 7565	7504 7565	7504 7565	7504 7565	3300 3300 130 130	4500 4500 177 177	— — — —	280 617 400 882
— —	7505 7506	7505 7506	— —	1000 1500 39 ¹ / ₂ 59	— — — —	— — — —	275 606 310 684
—	7808	7808	7808	1515 59 ¹ / ₂	700 27 ¹ / ₂	750 29 ¹ / ₂	460 1014
7734	7734	7734	7734	2300 90 ¹ / ₂	— —	650 25 ¹ / ₂	310 684

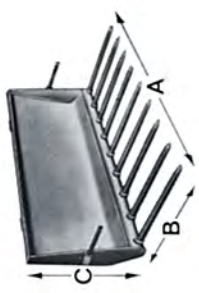
Dozer blade
Municipal type
30° deflection in each
direction
Spring-loaded, 4-section
wear edge



Beet bucket
Heaped volume 2.5 cu.yd.
(1.9 m³)
Potato attachment
Heaped volume 3.3 cu.yd.
(2.5 m³)
Potato attachment



Fertilizer loader
9 tines



Scrap grapple, Hydr.
3 arms
Lift capacity approx. 1980 lb.
(900 kg)
Max. lift 18.4 ft. (5.6 m)



Hydr. bale clamp
Working width 2.5—7.2 ft.
(0.75—2.2 m)



Snow plough, Vee type



—	7730	7730	7730	3200 126	— —	675 26 ¹ / ₂	530 1169
—	7735	7735	7735	2300 90 ¹ / ₂	1000 39 ¹ / ₂	1050 41 ¹ / ₄	385 849
—	7736	7736	7736	2300 90 ¹ / ₂	1000 39 ¹ / ₂	1050 41 ¹ / ₄	55 121
—	—	7596	7596	2500 98 ¹ / ₂	1130 44 ¹ / ₂	1100 43 ¹ / ₂	500 1103
—	—	7597	7597	2500 98 ¹ / ₂	1130 44 ¹ / ₂	1100 43 ¹ / ₂	90 198
7520	7520	7520	7520	1800 71	680 26 ³ / ₄	605 23 ³ / ₄	200 441
7517	7517	7517	7517	2350 92 ¹ / ₂	400 15 ³ / ₄	1100 43 ¹ / ₂	350 772
—	7726	7726	—	750/2200 29 ¹ / ₂ /86 ³ / ₄	750 29 ¹ / ₂	600 23 ¹ / ₂	750 1654
7514	7514	7514	7514	2500 98 ¹ / ₂	— —	— —	500 1103



BM-VOLVO

ALLROUNDERS WITH VERSATILITY

for contractors, municipal work, construction work,
materials handling and forestry

See the special brochures



BOLINDER-MUNKTELL

— a member of the Volvo Corporation, Eskilstuna,
Sweden

Nr 2168/1 E