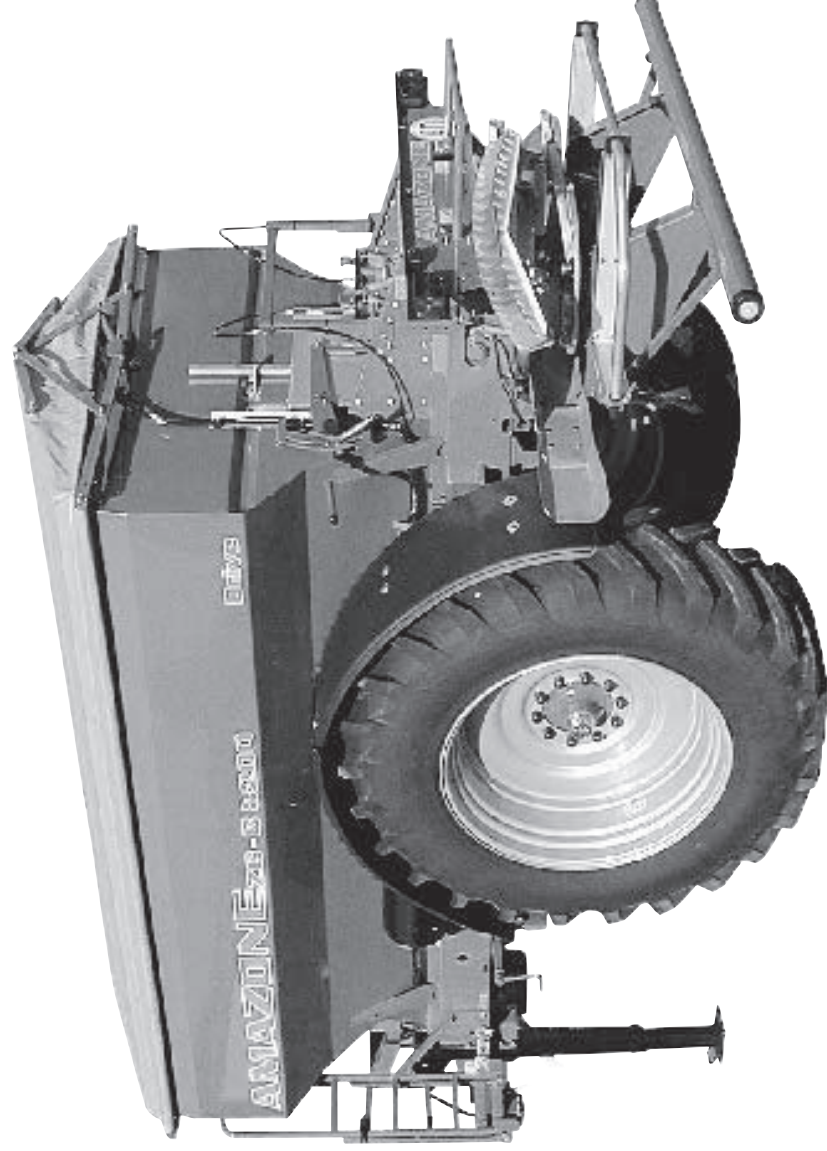


Bulk material spreader

AMAZONE ZG-B

5500 - 8200

Special/Super/Drive/Precis



MH468
DS532 (GB) 11.06
Printed in Germany

GB

⚠ Before starting to
operate the machine
carefully read the instruc-
tion book and adhere to
the safety advice offered!



With ownership of an **AMAZONE** fertiliser broadcaster comes automatic access to **AMAZONE's "fertiliser testing service"** to enable the spreader to be operated in the most cost effective and environmentally safe manner. **AMAZONE's "fertiliser testing service"** determines the individual spreading characteristics of a specific batch of fertiliser from a 3 kg fertiliser sample received and provides **setting recommendations** at the exact working width required. **AMAZONE's "fertiliser testing service"** is especially recommended when uncertainties prevail regarding fertiliser origin, fertiliser description or fertiliser condition or when the fertiliser has not yet been included in this setting chart.

We would like to draw your attention to the fact that the individual spreading characteristics of the fertiliser have a big influence on the working width and spread rate. For this reason the **setting values** can only be taken as a guide.

The spreading properties depend on:

Deviations of the physical properties (bulk density, granule size, surface finish, etc.) - even within the same type and brand.

Varying fertiliser condition caused by the influences of weather or of its storage conditions.

For this reason **it is impossible to guarantee** that a batch of fertiliser even with the same name and from the same manufacturer will have the same spreading characteristics as that of the fertiliser stated in the setting chart.

The stated **setting recommendations** for the **lateral distribution** refer **solely** to the **distribution of the weight (spread rate)** and **not** to the **nutrient distribution** (this especially refers to fertiliser blends).

Please ask your **AMAZONE** dealer/distributor for your country's **AMAZONE** Fertiliser Testing Service telephone number and enter it below so that it is readily available.

AMAZONE Fertiliser Testing Service Telephone Number: 01302 751200 Fax: 01302 751202
--

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1 In general

1.1 Hints for avoiding spreading errors:

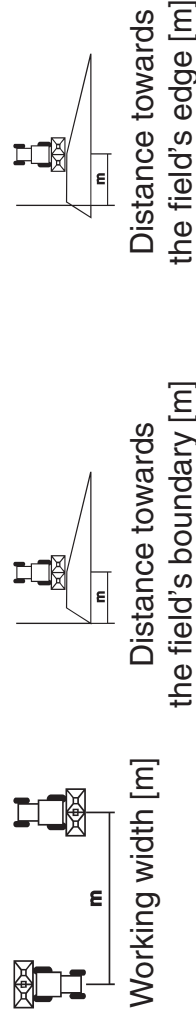
1. Store fertiliser properly (i.e. dry, separate by type and manufacturer).
2. Set the machine to recommendations provided by AMAZONE's data of this setting chart or according to the recommendations by the AMAZONE fertiliser advisory service.
3. Prior to starting spreading conduct a calibration test (see chapter 2.4).
4. When using unknown types of fertiliser as well as also just as a routine check, the working widths should be verified with the aid of the mobile fertiliser test kit (special option, see chapter 3).

1.2 Explanations for the symbols used

The PTO speed should generally be 540 r.p.m. On some machines a gearbox with another ratio is available on request. In this case the PTO shaft speed is 720 rpm. Any deviations from the normal PTO shaft speed, on which this setting chart is based, is indicated in the relevant table.

	Reduction of rev. speed by approx. 25 %	540 → 400 720 → 530
	Increase of rev. speed by approx. 20 %	540 → 650 720 → 870

On the “ZG-B Special” the floor belt is also driven by the PTO shaft for this reason any adjustment of the spreading disc speed has an effect also on the belt speed and thus on the spread rate. Therefore, on the “ZG-B Special”– adjust the spread rate accordingly (+25 % when reducing the spreading disc speed, -25 % when increasing the spreading disc speed).



2.2 Shutter slide position – determination by calculation

In cases where that the desired working width, operating speed or the determined bulk density cannot be found in the table, please calculate the shutter slide position as follows:

$$\text{Shutter slide position for belt speed l} = \frac{(\text{working width [m]} \times \text{operating speed [km/h]} \times \text{spread rate [kg/ha]})}{(3700 \times \text{bulk density [kg/l]})}$$

Example: Shutter slide position at belt speed l = $\frac{(25 \text{ m} \times 9 \text{ km/h} \times 360 \text{ kg/ha})}{(3700 \times 1,60 \text{ kg/l})} = 13,7$

2.3 Shutter slide position – determination with the aid of the slide disc rule

For determining the shutter slide position with the aid of the slide disc rule the bulk density [kg/l] of the fertiliser is required. The bulk density is determined either

- by accurately weighing the contents of an exactly filled litre measuring jug on site or
- when the fertiliser is recognised directly from this setting chart.

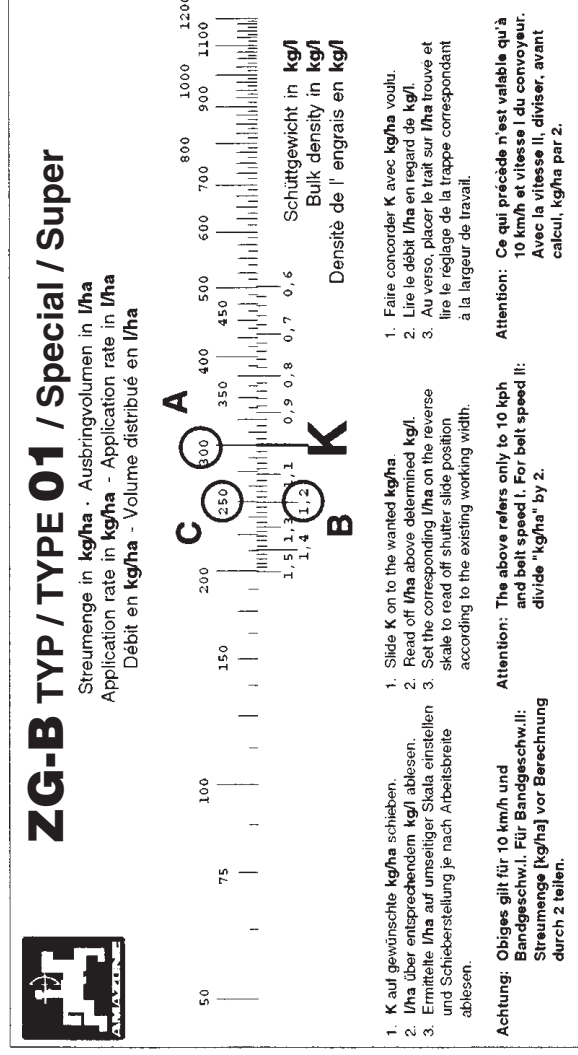


Fig. 1: Front of slide rule (MH111)

- For the determined application rate (250 l/ha) find the figure (Fig. 2/1) on the horizontal scale “D” and align with mark (Fig. 2/2).
- Find the desired working width (24m) on the vertical scale “E” and in the same line read off on the mark (Fig. 2/2) the required shutter slide position “17” (Fig. 2/3) (applies only for an operating speed of 10 km/h).
- Conversion of the determined shutter slide position into an operating speed of 12 km/h.

$$1. \quad \frac{\text{Shutter slide position at 10 km/h}}{10} = \text{Shutter slide position at 1 km/h}$$

$$\frac{17}{10} = 1,7$$

$$2. \quad \frac{\text{Shutter slide position at 1 km/h} \times \text{Shutter slide position at the desired operating speed}}{\text{desired operational speed}} =$$

$$1,7 \times 12 = 20,4$$

- Set the shutter slide position with the aid of the setting lever to the scale figure “20,4”.

2.3.1 Determination of the shutter slide position for ZG-B Super (with ground wheel drive) by using the slide disc rule

In the main the determination of the shutter slide position on ZG-B “Super” is the same as described in chapter 2.3. However, it is not necessary to convert the determined shutter slide position to a specific operating speed, as the ratio between forward speed and belt speed is always the same. With the ground wheel drive the shutter slide positions for spread rates of 12 km/h are valid. For this reason multiply the shutter slide position determined according to chapter 2.3 by the factor “1.2” for the conversion into 12 km/h.

Example:

Determined shutter slide position: “20”

$$\text{Determined shutter slide position} \times 1,2 = \text{Shutter slide position for ZG-B Super}$$

$$20 \times 1,2 = 24$$

2.4.1 By driving down a measured distance

Working width [m]	Required measuring distance [m]	Area covered [ha]	Multiplication factor for the total spread rate
9.00	55.50	1/20	20
10.00	50.00	1/20	20
12.00	41.60	1/20	20
15.00	33.30	1/20	20
16.00	31.25	1/20	20
18.00	27.75	1/20	20
20.00	25.00	1/20	20
21.00	23.80	1/20	20
24.00	41.60	1/10	10
27.00	37.00	1/10	10
28.00	35.70	1/10	10
30.00	33.30	1/10	10
32.00	31.25	1/10	10
36.00	27.75	1/10	10

Converging of the required calibration distance for working widths not mentioned in the table:

1. up to 23 m working width – multiplication factor “20”

$$\frac{\text{required calibration distance at desired working width [m]}}{\text{working width [m]}} = \frac{500}{\text{working width [m]}}$$

2. from 24 m working width – multiplication factor “10”

$$\frac{\text{required calibration distance at desired working width [m]}}{\text{working width [m]}} = \frac{1000}{\text{working width [m]}}$$

If a high fertiliser application per ha is intended, halve the test distance and double the multiplication factor as the capacity of the collecting bucket is limited.

3 Checking the working width by using the mobile fertiliser test kit (special option)

The working width is influenced by the spreading properties of the fertiliser. As is known, the main influencing factors regarding the spreading properties are granule size, bulk density, surface finish and humidity. For this reason the setting figures in this chart are **solely guide figures**, as the spreading characteristics of the fertilisers may vary. We recommend that you re-check the working width of the spreader with the aid of the **mobile fertiliser test kit** (Fig. 3) (special option).

For the ZG-B “Special” and “Super” spreaders, the simple mobile test kit is recommended (special option, order No. 1259000).

For the ZG-B “Drive” and “Precis” spreaders, the mobile test aid for the “AMATRON+” on-board computer should be used (special option, order No. 928703). For the detailed procedure, please refer to the relevant operator’s manual.

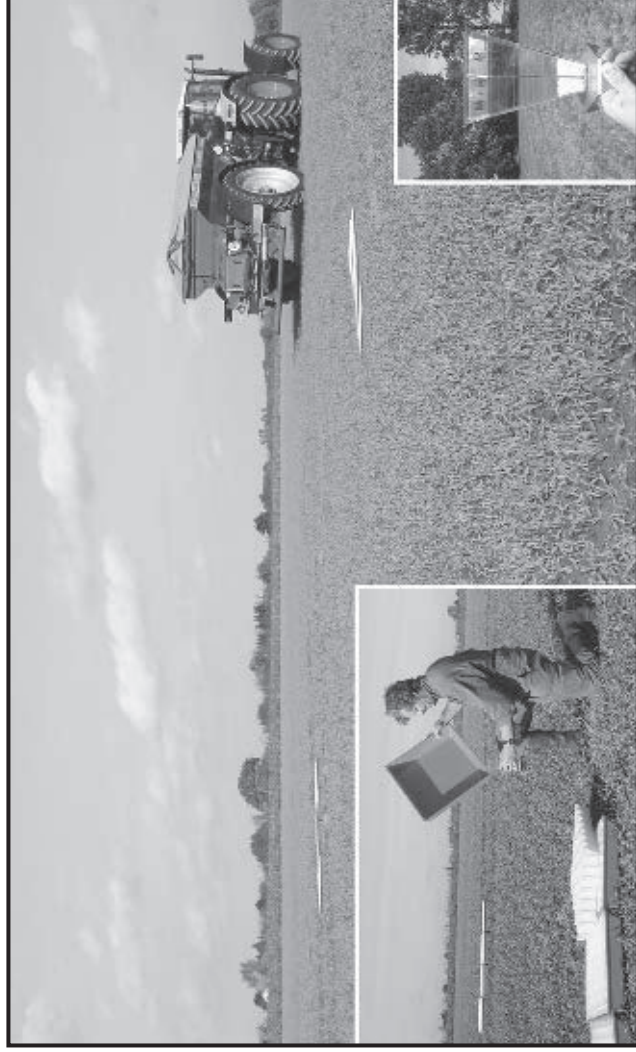


Fig. 4: Mobile fertiliser test kit

4.2 Spreading lime with additional roof chute for granular kinds of fertiliser (Fig. 5)

An ideal spread pattern will only be achieved when spreading the **granular fertilisers stated in the following tables** and at the indicated, fertiliser specific, working widths.

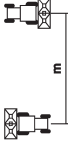
Fertiliser type	Bulk density [kg/l]		Spread rate see page
Novaphos 23 ø 3,00 mm	1.07	12, 15, 16, 18	61
Superphosphat 20 % gran. ø 3,10 mm	1.10	15, 16	66
Triplesuperphosphate ø 3,20 mm	0.94	10, 12	54
DAP 18-46 gran. ø 2,80 mm	0.95	12, 15, 16	57
MAP 12-52 ø 2,10 mm	0.96	12, 21	57–58
Thomas gran. Potash Thomasdünger	1.17	12, 24	69–70
Rhe-Ka-Phos 0-16-20 ø 3,70 mm Kemira	1.04	15, 16, 18	60
Amfert PK-R-types Amfert PK-types	1.22	12, 24	72–73
Korn-Kali ® with 6 % MgO KAMEX 'gran.' 40/6 K+S	1.10	12, 24	66–67
Magnesia-Kainit ® 11/5 K+S	1.20	10, 12, 20	72–73
GRANUKAL 80/5 gran. lime ø 5,40 mm Dammann, Werk Söhle	1.32	16, 18, 20	78–79



Fig. 6: Lime spreading discs “with roof chute”

For other fertiliser types and working widths with OM discs and the fertiliser chute, please refer to pages 22–23.

The twin disc spreader unit equipped with **OM spreading discs** allows **the setting** of different **working widths** between **10 and 36 m** by using the spreading discs either OM 10-16, OM 18-24 or OM 24-36.

Irrespective the kind of fertiliser and the working width the adjustment of the funnel chute is required (Fig. 6) for the ZG-B spreader types “Special”, “Super” and “Drive”. For spreading smaller amounts pull the funnel chute “to the rear”.

funnel chute position	spread rate
Position 1	up to 150 kg/ha
Position 2	more than 150 kg/ha

For normal fertilising the swivel blades of the spreading vanes are usually in their lower position (Fig. 7). However, in some cases the upper position may be necessary (Fig. 8) to achieve large working widths. For late top dressing the swivel blades of the spreading vanes are swivelled into the upper position (Fig. 8) and this is possible without slackening the nuts (without tools). In this way the spread fan of the fertiliser is raised.

4.3.1.1 Swivelling the spreading vanes

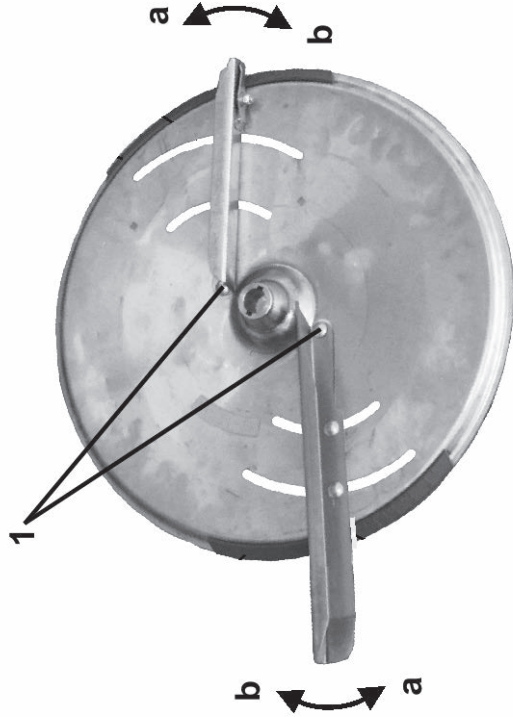


Fig. 13: Top view of OM-disc

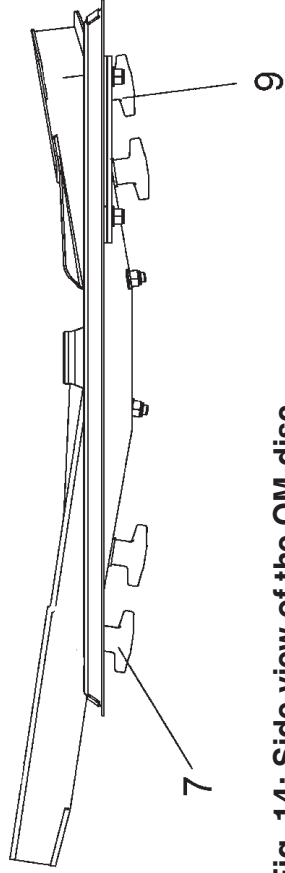


Fig. 14: Side view of the OM-disc

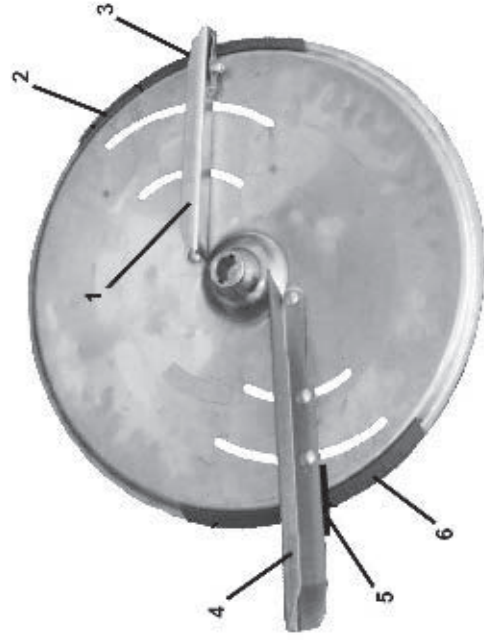


Fig. 15: Top view of OM-disc

4.3.1.2 Example of how to use of the setting chart

Fertiliser: CAN 27%N gran. Yara, KEMIRA

Spreading disc: OM 24-36

Working width: 27 m

Operating speed: 12 km / h

Spread rate: 200 kg / ha

Step 1: Take the fertiliser type or the brand name from the setting chart.
(Page **23**)

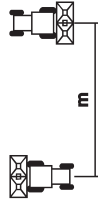
Step 2: Identify the fertiliser group. (Page **23**, Group **1**)

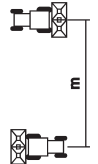
Step 3: Take the spreading vane position for **OM 24-36** from the table
(page **33**, Group **1,27 m**, Pos.: **12/44**)

Step 4: Take the spread rate setting, as stated via the page in the table
(Page 61, bulk density: 1,04 kg/l) or enter into the
“AMATRON+” on-board computer.

Shutter slide position 18 at 12 km/h and belt speed I = 205 kg/ha)

Ferti- liser:	brand name	Fer- tiliser group	Bulk density [kg/l]	Spread rate s.page
CAN	CAN 27%N gran. YARA, KEMIRA	1	1,04	60-62
CAN	CAN 27%N gran. DSM, fertiva GmbH	1	1,04	60-62
AN	TERRA Nitram 34,5 % N Prills	105	1,02	60-62
AN	KEMIRA Nitraprill 34,5 % N	110	1,02	60-62

Fertiliser group						
	24	27	28	30	32	36
1	10/44	12/44	13/44	15/44	15/44	16/47
14	17/45	18/48	19/49	20/51	—	—

Bulk density: 1,00 to 1,04 kg/l																
Shutter setting																
Belt speed		20			21			24			27			28		
		km/h			km/h			km/h			km/h			km/h		
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
14		323	258	215	308	246	205	269	215	179	239	191	159	231	185	154
16		369	295	246	351	281	234	308	246	205	273	219	182	264	211	176
18		415	332	277	395	316	264	346	277	231	308	246	205	297	237	198

22

4.3.3 Overview of fertiliser types. table 2

11.06

Fertiliser groups for

BIG N

Please select the fertiliser group from the **fertiliser table** below and then take the **spreading vane positions** of the relevant **spreading disc(s)** and **working width(s)** from the following pages.

[illegible]

Spreading disc OM 18-24

Colour: White

Disc diameter: 455 mm

Lengths of vane: 260 mm (short), 360 mm (long)

Scale ranges: 5-28 (short), 35-55 (long)



Fig. 18: Spreading discs OM 18-24

Spreading disc OM 24-36

Colour: Orange

Disc diameter: 584 mm

Lengths of vane: 300 mm (short), 410 mm (long)

Scale ranges: 5-28 (short), 35-55 (long)



Fig. 19: Spreading discs OM 24-36

4.3.6.1

Spreading vane positions for **ZG-B** with spreading discs

OM 10-16

Working widths 10 to 16 m

Omnia-Set OM 10-16 (red) Order No. 927 776

Fertiliser group				
	10	12	15	16
112	22/48	22/48	22/50	22/50
113	19/48	19/48	19/48	19/48
114	21/51	21/51	21/51	21/51
115	15/50	15/50	16/51	16/51
116	22/47	22/47	22/47	22/47
117	22/48	22/48	22/48	22/48
118	19/50	19/50	19/50	19/50
119	18/48	18/50	18/50	18/50
120	20/46	20/46	20/47	20/47
121	19/47	19/49	19/49	19/49
122	16/45	16/45	17/45	17/45
123	18/47	18/47	18/47	18/47
124	18/50	18/50	18/50	18/50
125	20/50	20/50	20/50	20/50
126	18/52	18/52	18/52	18/52

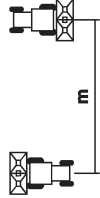
4.3.6.2

Spreading vane positions for **ZG-B** with spreading discs **OM 18-24**

OM 18-24

Working widths 18 to 24 m

Omnia-Set **OM 18-24** (white) Order No. 927 777

Fertiliser group				
	18	20	21	24
1	15/46	15/46	15/46	17/46
14	19/45	21/46	21/46	23/47
27	12/43	13/43	13/43	14/44
35	10/40	10/42	10/43	11/48
43	7/43	8/44	8/44	11/44
44	14/40	14/42	14/42	15/44
47	16/43	17/44	17/44	19/45
48	9/38	10/40	11/40	11/44
49	14/43	16/45	16/45	18/47
51	11/42	11/42	11/42	12/43
52	10/38	11/40	11/42	12/46
105	16/47	16/48	16/48	19/50
109	15/46	17/47	17/47	18/47
110	16/47	16/48	16/48	19/50
111	18/47	18/47	18/47	19/49

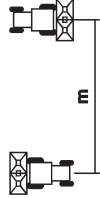
4.3.6.2

Spreading vane positions for **ZG-B** with spreading discs

OM 18-24

Working widths 18 to 24 m

Omnia-Set OM 18-24 (white) Order No. 927 777

Fertiliser group				
	18	20	21	24
127	16/43	17/45	17/45	18/46
128	16/42	17/44	17/45	17/46
129	15/45	15/46	15/46	16/46
130	17/42	18/43	18/43	19/44
131	18/49	18/49	18/49	19/50
132	17/43	17/44	17/45	18/47
133	16/42	17/43	17/43	18/46
135	16/43	17/45	17/45	18/47
136	12/42	12/44	12/45	16/45
137	16/43	16/44	16/44	18/48
138	14/45	14/45	14/45	17/47
139	13/42	14/42	14/42	15/44

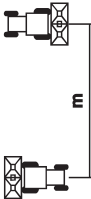
4.3.6.3

Spreading vane positions for **ZG-B** with spreading discs

OM 24-36

Working widths 24 to 36 m

Omnia-Set OM 24-36 (white) Order No. 927 778

Fertiliser group						
	24	27	28	30	32	36
112	13/45	14/47	14/47	14/48	15/50	16/52
113	14/44	15/46	15/46	15/48	16/50	17/54
114	14/47	14/45	14/45	15/47	16/47	16/51
115	16/47	17/48	17/49	18/50	19/52	19/55
116	16/46	17/48	17/48	18/51	18/52	18/55
117	10/41	11/43	11/43	12/46	13/48	15/55
118	12/45	13/45	13/47	13/47	14/50	15/54
119	16/47	17/49	17/50	18/53	18/51	19/55
120	15/44	16/46	16/46	17/48	18/50	18/54
121	15/45	16/47	16/47	18/50	18/53	18/52
122	11/44	12/46	12/46	13/49	14/50	14/54
123	13/42	14/44	14/44	15/46	16/48	16/52
124	13/44	14/46	14/47	14/49	14/50	—
125	13/44	14/46	14/46	15/48	15/50	—
126	15/45	16/47	16/47	17/49	18/52	19/52

 Lift swivel blades on the longer vanes.

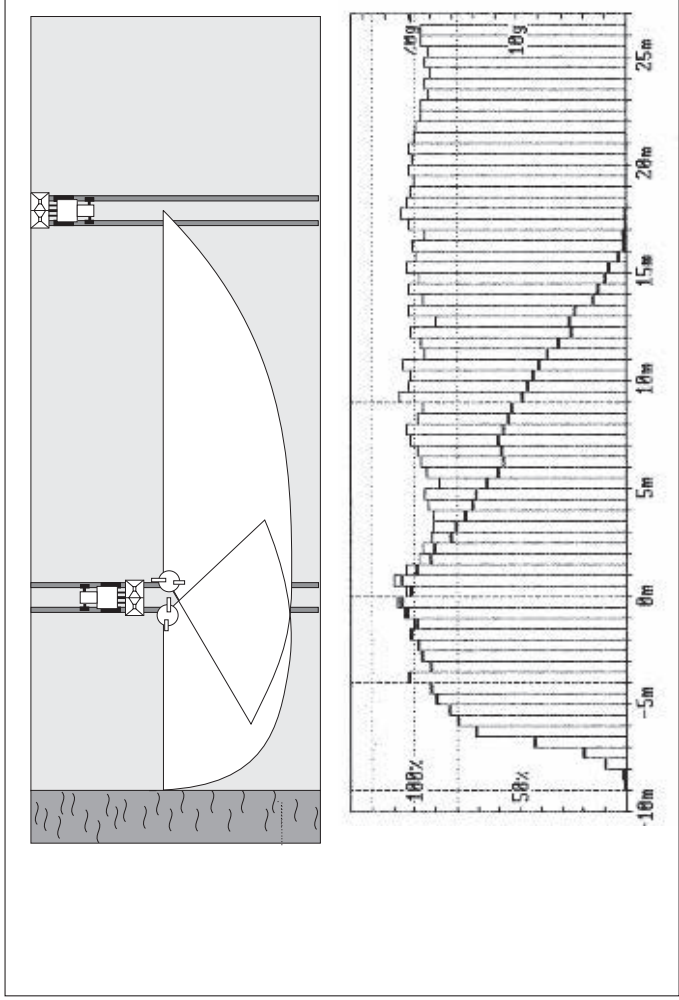


Fig. 20: Boundary spreading overview and spread pattern

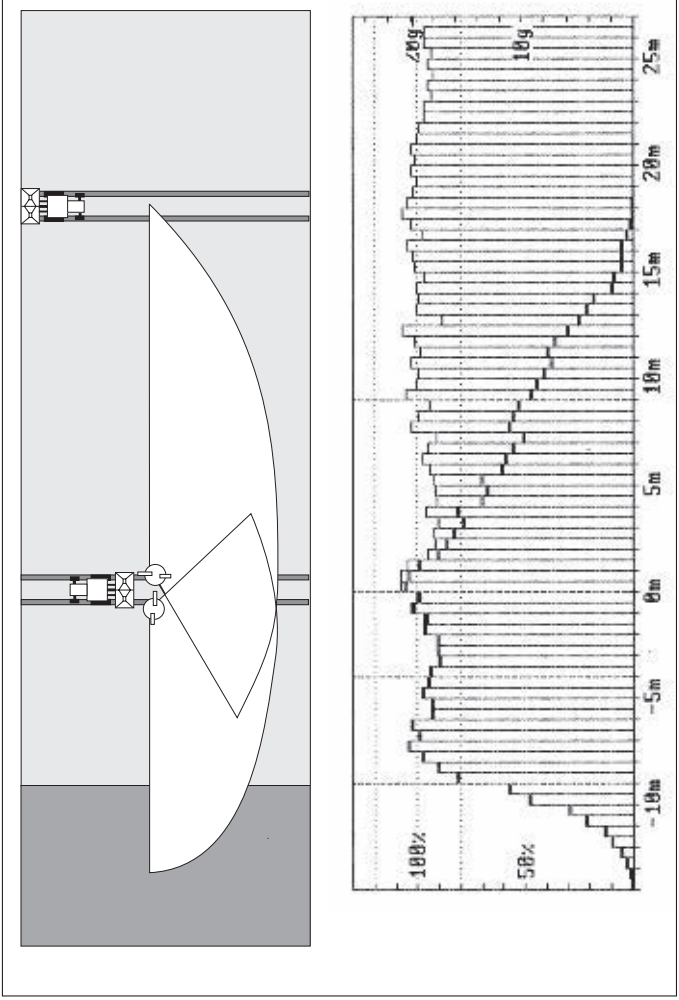


Fig. 21: Side spreading overview and spread pattern

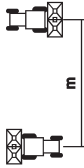
Distance of the first tramline [m] to the border	Spread rate reduction for ZG-B Precis with AMATRON+ in [%]
5 to 6	5%
7 to 9	20%
10 to 11	30%
12 to 14	35%
15 to 18	37%

Fig. 22: Spread rate reduction for ZG-B Precis

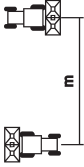
Limiter ZG-B														OM 10-16												OM 18-24						OM 24-36					
		5	6	7.5	8	9	10	10.5	12	12	13.5	14	15	16	18	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	
KAS / CAN / AN NPK DAP MAP		14	13	12	10	13	12	11	11	10	11	10	9	8	7	5	12	10	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0		
		12	10	8	7	8	6	4	2	2	1	0	0	0	0	0	12	10	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0		
Harnstoff Urea Uree		13	11	9	8	8	7	6	6	6	5	4	3	2	1	-	13	11	9	8	8	7	6	5	4	3	2	1	0	-	-	-	-	-			
		5	7	4	4	4	4	3	3	2	2	1	0	-	-	-	5	7	4	4	4	3	2	1	0	-	-	-	-	-	-	-	-	-			
PK K Mgo		12	11	9	8	7	5	4	3	3	2	1	0	0	0	0	12	11	9	8	7	5	4	3	2	1	0	0	0	0	0	0	0	0			
		9	7	4	3	3	2	1	0	0	0	0	0	0	0	0	9	7	4	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0			
		For Limiter positions from 3 to 15 bolt the Limiter in position "A".												For Limiter positions from 0 to 12 bolt the Limiter in position "B".																							

Bulk density: 0,65 to 0,69 kg/l																
Shutter setting																
Belt speed		20			21			24			27			28		
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
8		121	97	81	115	92	77	101	81	67	90	72	60	87	69	58
10		152	121	101	144	115	96	126	101	84	112	90	75	108	87	72
12		182	145	121	173	139	115	152	121	101	135	108	90	130	104	87
14		212	170	141	202	162	135	177	141	118	157	126	105	152	121	101
16		242	194	162	231	185	154	202	162	135	180	144	120	173	139	115
18		273	218	182	260	208	173	227	182	152	202	162	135	195	156	130
20	10	303	242	202	289	231	192	253	202	168	224	180	150	216	173	144
22	11	333	267	222	317	254	212	278	222	185	247	198	165	238	190	159
24	12	364	291	242	346	277	231	303	242	202	269	215	180	260	208	173
26	13	394	315	263	375	300	250	328	263	219	292	233	195	281	225	188
28	14	424	339	283	404	323	269	354	283	236	314	251	210	303	242	202
30	15	455	364	303	433	346	289	379	303	253	337	269	224	325	260	216
32	16	485	388	323	462	369	308	404	323	269	359	287	239	346	277	231
34	17	515	412	343	491	392	327	429	343	286	382	305	254	368	294	245
36	18	545	436	364	519	416	346	455	364	303	404	323	269	390	312	260
38	19	576	461	384	548	439	366	480	384	320	426	341	284	411	329	274
40	20	606	485	404	577	462	385	505	404	337	449	359	299	433	346	289
42	21	636	509	424	606	485	404	530	424	354	471	377	314	455	364	303
44	22	667	533	444	635	508	423	556	444	370	494	395	329	476	381	317
46	23	697	558	465	664	531	443	581	465	387	516	413	344	498	398	332
48	24	727	582	485	693	554	462	606	485	404	539	431	359	519	416	346
50	25	758	606	505	722	577	481	631	505	421	561	449	374	541	433	361
52	26	788	630	525	750	600	500	657	525	438	584	467	389	563	450	375
54	27	818	655	545	779	623	519	682	545	455	606	485	404	584	468	390
56	28	848	679	566	808	646	539	707	566	471	629	503	419	606	485	404
58	29	879	703	586	837	670	558	732	586	488	651	521	434	628	502	418
60	30	909	727	606	866	693	577	758	606	505	673	539	449	649	519	433
62	31	939	752	626	895	716	596	783	626	522	696	557	464	671	537	447
64	32	970	776	646	924	739	616	808	646	539	718	575	479	693	554	462
66	33	1000	800	667	952	762	635	833	667	556	741	593	494	714	571	476

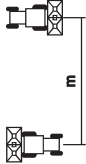
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,70 to 0,74 kg/l																	
Shutter setting																	
Belt speed		10			12			15			16			18			
		km/h			km/h			km/h			km/h			km/h			
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	
4		130	104	87	109	87	72	87	69	58	81	65	54	72	58	48	
6		195	156	130	163	130	109	130	104	87	122	98	81	109	87	72	
8		261	208	174	217	174	145	174	139	116	163	130	109	145	116	96	
10		326	261	217	271	217	181	217	174	145	204	163	136	181	145	121	
12		391	313	261	326	261	217	261	208	174	244	195	163	217	174	145	
14		456	365	304	380	304	253	304	243	203	285	228	190	253	203	169	
16		521	417	347	434	347	289	347	278	232	326	261	217	289	232	193	
18		586	469	391	488	391	326	391	313	261	366	293	244	326	261	217	
20	10	651	521	434	543	434	362	434	347	289	407	326	271	362	289	241	
22	11	716	573	478	597	478	398	478	382	318	448	358	299	398	318	265	
24	12	782	625	521	651	521	434	521	417	347	488	391	326	434	347	289	
26	13	847	677	564	706	564	470	564	452	376	529	423	353	470	376	314	
28	14	912	729	608	760	608	507	608	486	405	570	456	380	507	405	338	
30	15	977	782	651	814	651	543	651	521	434	611	488	407	543	434	362	
32	16	1042	834	695	868	695	579	695	556	463	651	521	434	579	463	386	
34	17	1107	886	738	923	738	615	738	591	492	692	554	461	615	492	410	
36	18	1172	938	782	977	782	651	782	625	521	733	586	488	651	521	434	
38	19	1237	990	825	1031	825	687	825	660	550	773	619	516	687	550	458	
40	20	1303	1042	868	1085	868	724	868	695	579	814	651	543	724	579	482	
42	21	1368	1094	912	1140	912	760	912	729	608	855	684	570	760	608	507	
44	22	1433	1146	955	1194	955	796	955	764	637	896	716	597	796	637	531	
46	23	1498	1198	999	1248	999	832	999	799	666	936	749	624	832	666	555	
48	24	1563	1250	1042	1303	1042	868	1042	834	695	977	782	651	868	695	579	
50	25	1628	1303	1085	1357	1085	905	1085	868	724	1018	814	678	905	724	603	
52	26	1693	1355	1129	1411	1129	941	1129	903	753	1058	847	706	941	753	627	
54	27	1758	1407	1172	1465	1172	977	1172	938	782	1099	879	733	977	782	651	
56	28	1824	1459	1216	1520	1216	1013	1216	973	810	1140	912	760	1013	810	675	
58	29	1889	1511	1259	1574	1259	1049	1259	1007	839	1180	944	787	1049	839	700	
60	30	1954	1563	1303	1628	1303	1085	1303	1042	868	1221	977	814	1085	868	724	
62	31	2019	1615	1346	1682	1346	1122	1346	1077	897	1262	1009	841	1122	897	748	

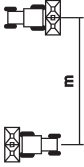
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,70 to 0,74 kg/l																			
Shutter setting																			
Belt speed		30						32						36					
		km/h						km/h						km/h					
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
12		130	104	87	122	98	81	109	87	72									
14		152	122	101	142	114	95	127	101	84									
16		174	139	116	163	130	109	145	116	96									
18		195	156	130	183	147	122	163	130	109									
20	10	217	174	145	204	163	136	181	145	121									
22	11	239	191	159	224	179	149	199	159	133									
24	12	261	208	174	244	195	163	217	174	145									
26	13	282	226	188	265	212	176	235	188	157									
28	14	304	243	203	285	228	190	253	203	169									
30	15	326	261	217	305	244	204	271	217	181									
32	16	347	278	232	326	261	217	289	232	193									
34	17	369	295	246	346	277	231	308	246	205									
36	18	391	313	261	366	293	244	326	261	217									
38	19	412	330	275	387	309	258	344	275	229									
40	20	434	347	289	407	326	271	362	289	241									
42	21	456	365	304	427	342	285	380	304	253									
44	22	478	382	318	448	358	299	398	318	265									
46	23	499	399	333	468	374	312	416	333	277									
48	24	521	417	347	488	391	326	434	347	289									
50	25	543	434	362	509	407	339	452	362	302									
52	26	564	452	376	529	423	353	470	376	314									
54	27	586	469	391	550	440	366	488	391	326									
56	28	608	486	405	570	456	380	507	405	338									
58	29	630	504	420	590	472	393	525	420	350									
60	30	651	521	434	611	488	407	543	434	362									
62	31	673	538	449	631	505	421	561	449	374									
64	32	695	556	463	651	521	434	579	463	386									
66	33	716	573	478	672	537	448	597	478	398									
68	34	738	591	492	692	554	461	615	492	410									
70	35	760	608	507	712	570	475	633	507	422									

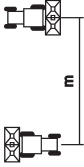
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,75 to 0,79 kg/l																	
Shutter setting																	
Belt speed		20			21			24			27			28			
I	II	km/h			km/h			km/h			km/h			km/h			
		8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	
8		139	111	93	133	106	88	116	93	77	103	83	69	100	80	66	
10		174	139	116	166	133	111	145	116	97	129	103	86	124	100	83	
12		209	167	139	199	159	133	174	139	116	155	124	103	149	119	100	
14		244	195	163	232	186	155	203	163	135	181	144	120	174	139	116	
16		279	223	186	265	212	177	232	186	155	206	165	138	199	159	133	
18		313	251	209	299	239	199	261	209	174	232	186	155	224	179	149	
20	10	348	279	232	332	265	221	290	232	193	258	206	172	249	199	166	
22	11	383	306	255	365	292	243	319	255	213	284	227	189	274	219	182	
24	12	418	334	279	398	318	265	348	279	232	310	248	206	299	239	199	
26	13	453	362	302	431	345	287	377	302	252	335	268	224	323	259	216	
28	14	488	390	325	464	371	310	406	325	271	361	289	241	348	279	232	
30	15	522	418	348	498	398	332	435	348	290	387	310	258	373	299	249	
32	16	557	446	371	531	425	354	464	371	310	413	330	275	398	318	265	
34	17	592	474	395	564	451	376	493	395	329	439	351	292	423	338	282	
36	18	627	501	418	597	478	398	522	418	348	464	371	310	448	358	299	
38	19	662	529	441	630	504	420	551	441	368	490	392	327	473	378	315	
40	20	697	557	464	663	531	442	580	464	387	516	413	344	498	398	332	
42	21	731	585	488	697	557	464	609	488	406	542	433	361	522	418	348	
44	22	766	613	511	730	584	486	638	511	426	568	454	378	547	438	365	
46	23	801	641	534	763	610	509	667	534	445	593	475	396	572	458	381	
48	24	836	669	557	796	637	531	697	557	464	619	495	413	597	478	398	
50	25	871	697	580	829	663	553	726	580	484	645	516	430	622	498	415	
52	26	905	724	604	862	690	575	755	604	503	671	537	447	647	517	431	
54	27	940	752	627	896	716	597	784	627	522	697	557	464	672	537	448	
56	28	975	780	650	929	743	619	813	650	542	722	578	482	697	557	464	
58	29	1010	808	673	962	769	641	842	673	561	748	598	499	721	577	481	
60	30	1045	836	697	995	796	663	871	697	580	774	619	516	746	597	498	
62	31	1080	864	720	1028	823	685	900	720	600	800	640	533	771	617	514	
64	32	1114	892	743	1061	849	708	929	743	619	826	660	550	796	637	531	
66	33	1149	919	766	1095	876	730	958	766	638	851	681	568	821	657	547	

For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,80 to 0,84 kg/l																			
Shutter setting																			
Belt speed		10			12			15			16			18					
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	km/h		
4		148	119	99	124	99	82	99	79	66	93	74	62	82	66	55			
6		223	178	148	185	148	124	148	119	99	139	111	93	124	99	82			
8		297	237	198	247	198	165	198	158	132	185	148	124	165	132	110			
10		371	297	247	309	247	206	247	198	165	232	185	155	206	165	137			
12		445	356	297	371	297	247	297	237	198	278	223	185	247	198	165			
14		519	415	346	433	346	288	346	277	231	325	260	216	288	231	192			
16		593	475	396	494	396	330	396	316	264	371	297	247	330	264	220			
18		668	534	445	556	445	371	445	356	297	417	334	278	371	297	247			
20	10	742	593	494	618	494	412	494	396	330	464	371	309	412	330	275			
22	11	816	653	544	680	544	453	544	435	363	510	408	340	453	363	302			
24	12	890	712	593	742	593	494	593	475	396	556	445	371	494	396	330			
26	13	964	771	643	804	643	536	643	514	429	603	482	402	536	429	357			
28	14	1038	831	692	865	692	577	692	554	462	649	519	433	577	462	385			
30	15	1113	890	742	927	742	618	742	593	494	695	556	464	618	494	412			
32	16	1187	949	791	989	791	659	791	633	527	742	593	494	659	527	440			
34	17	1261	1009	841	1051	841	701	841	673	560	788	630	525	701	560	467			
36	18	1335	1068	890	1113	890	742	890	712	593	834	668	556	742	593	494			
38	19	1409	1127	940	1174	940	783	940	752	626	881	705	587	783	626	522			
40	20	1483	1187	989	1236	989	824	989	791	659	927	742	618	824	659	549			
42	21	1558	1246	1038	1298	1038	865	1038	831	692	974	779	649	865	692	577			
44	22	1632	1305	1088	1360	1088	907	1088	870	725	1020	816	680	907	725	604			
46	23	1706	1365	1137	1422	1137	948	1137	910	758	1066	853	711	948	758	632			
48	24	1780	1424	1187	1483	1187	989	1187	949	791	1113	890	742	989	791	659			
50	25	1854	1483	1236	1545	1236	1030	1236	989	824	1159	927	773	1030	824	687			
52	26	1929	1543	1286	1607	1286	1071	1286	1029	857	1205	964	804	1071	857	714			
54	27	2003	1602	1335	1669	1335	1113	1335	1068	890	1252	1001	834	1113	890	742			
56	28	2077	1662	1385	1731	1385	1154	1385	1108	923	1298	1038	865	1154	923	769			
58	29	2151	1721	1434	1793	1434	1195	1434	1147	956	1344	1076	896	1195	956	797			
60	30	2225	1780	1483	1854	1483	1236	1483	1187	989	1391	1113	927	1236	989	824			
62	31	2299	1840	1533	1916	1533	1277	1533	1226	1022	1437	1150	958	1277	1022	852			

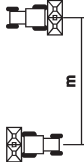
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,80 to 0,84 kg/l																			
Shutter setting																			
Belt speed		30						32						36					
		km/h						km/h						km/h					
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
12		148	119	99	139	111	93	124	99	82									
14		173	138	115	162	130	108	144	115	96									
16		198	158	132	185	148	124	165	132	110									
18		223	178	148	209	167	139	185	148	124									
20	10	247	198	165	232	185	155	206	165	137									
22	11	272	218	181	255	204	170	227	181	151									
24	12	297	237	198	278	223	185	247	198	165									
26	13	321	257	214	301	241	201	268	214	179									
28	14	346	277	231	325	260	216	288	231	192									
30	15	371	297	247	348	278	232	309	247	206									
32	16	396	316	264	371	297	247	330	264	220									
34	17	420	336	280	394	315	263	350	280	234									
36	18	445	356	297	417	334	278	371	297	247									
38	19	470	376	313	440	352	294	391	313	261									
40	20	494	396	330	464	371	309	412	330	275									
42	21	519	415	346	487	389	325	433	346	288									
44	22	544	435	363	510	408	340	453	363	302									
46	23	569	455	379	533	427	355	474	379	316									
48	24	593	475	396	556	445	371	494	396	330									
50	25	618	494	412	579	464	386	515	412	343									
52	26	643	514	429	603	482	402	536	429	357									
54	27	668	534	445	626	501	417	556	445	371									
56	28	692	554	462	649	519	433	577	462	385									
58	29	717	574	478	672	538	448	598	478	398									
60	30	742	593	494	695	556	464	618	494	412									
62	31	766	613	511	719	575	479	639	511	426									
64	32	791	633	527	742	593	494	659	527	440									
66	33	816	653	544	765	612	510	680	544	453									
68	34	841	673	560	788	630	525	701	560	467									
70	35	865	692	577	811	649	541	721	577	481									

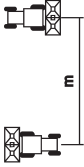
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,85 to 0,89 kg/l																
Shutter setting																
Belt speed		20			21			24			27			28		
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
8		157	126	105	150	120	100	131	105	87	117	93	78	112	90	75
10		197	157	131	187	150	125	164	131	109	146	117	97	141	112	94
12		236	189	157	225	180	150	197	157	131	175	140	117	169	135	112
14		275	220	184	262	210	175	230	184	153	204	163	136	197	157	131
16		315	252	210	300	240	200	262	210	175	233	187	155	225	180	150
18		354	283	236	337	270	225	295	236	197	262	210	175	253	202	169
20	10	393	315	262	375	300	250	328	262	219	291	233	194	281	225	187
22	11	433	346	289	412	330	275	361	289	240	321	256	214	309	247	206
24	12	472	378	315	450	360	300	393	315	262	350	280	233	337	270	225
26	13	512	409	341	487	390	325	426	341	284	379	303	253	365	292	244
28	14	551	441	367	525	420	350	459	367	306	408	326	272	393	315	262
30	15	590	472	393	562	450	375	492	393	328	437	350	291	422	337	281
32	16	630	504	420	600	480	400	525	420	350	466	373	311	450	360	300
34	17	669	535	446	637	510	425	557	446	372	496	396	330	478	382	319
36	18	708	567	472	675	540	450	590	472	393	525	420	350	506	405	337
38	19	748	598	498	712	570	475	623	498	415	554	443	369	534	427	356
40	20	787	630	525	749	600	500	656	525	437	583	466	389	562	450	375
42	21	826	661	551	787	630	525	689	551	459	612	490	408	590	472	393
44	22	866	693	577	824	660	550	721	577	481	641	513	427	618	495	412
46	23	905	724	603	862	690	575	754	603	503	670	536	447	646	517	431
48	24	944	755	630	899	720	600	787	630	525	700	560	466	675	540	450
50	25	984	787	656	937	749	625	820	656	547	729	583	486	703	562	468
52	26	1023	818	682	974	779	650	853	682	568	758	606	505	731	585	487
54	27	1062	850	708	1012	809	675	885	708	590	787	630	525	759	607	506
56	28	1102	881	735	1049	839	700	918	735	612	816	653	544	787	630	525
58	29	1141	913	761	1087	869	725	951	761	634	845	676	564	815	652	543
60	30	1180	944	787	1124	899	749	984	787	656	874	700	583	843	675	562
62	31	1220	976	813	1162	929	774	1017	813	678	904	723	602	871	697	581
64	32	1259	1007	839	1199	959	799	1049	839	700	933	746	622	899	720	600
66	33	1299	1039	866	1237	989	824	1082	866	721	962	769	641	928	742	618

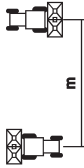
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,90 to 0,94 kg/l																	
Shutter setting																	
Belt speed		10			12			15			16			18			
		km/h			km/h			km/h			km/h			km/h			
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	
4		166	133	111	139	111	92	111	89	74	104	83	69	92	74	62	
6		250	200	166	208	166	139	166	133	111	156	125	104	139	111	92	
8		333	266	222	277	222	185	222	178	148	208	166	139	185	148	123	
10		416	333	277	347	277	231	277	222	185	260	208	173	231	185	154	
12		499	399	333	416	333	277	333	266	222	312	250	208	277	222	185	
14		583	466	388	485	388	324	388	311	259	364	291	243	324	259	216	
16		666	533	444	555	444	370	444	355	296	416	333	277	370	296	247	
18		749	599	499	624	499	416	499	399	333	468	374	312	416	333	277	
20	10	832	666	555	694	555	462	555	444	370	520	416	347	462	370	308	
22	11	915	732	610	763	610	509	610	488	407	572	458	381	509	407	339	
24	12	999	799	666	832	666	555	666	533	444	624	499	416	555	444	370	
26	13	1082	865	721	902	721	601	721	577	481	676	541	451	601	481	401	
28	14	1165	932	777	971	777	647	777	621	518	728	583	485	647	518	432	
30	15	1248	999	832	1040	832	694	832	666	555	780	624	520	694	555	462	
32	16	1332	1065	888	1110	888	740	888	710	592	832	666	555	740	592	493	
34	17	1415	1132	943	1179	943	786	943	755	629	884	707	589	786	629	524	
36	18	1498	1198	999	1248	999	832	999	799	666	936	749	624	832	666	555	
38	19	1581	1265	1054	1318	1054	878	1054	843	703	988	791	659	878	703	586	
40	20	1664	1332	1110	1387	1110	925	1110	888	740	1040	832	694	925	740	616	
42	21	1748	1398	1165	1456	1165	971	1165	932	777	1092	874	728	971	777	647	
44	22	1831	1465	1221	1526	1221	1017	1221	976	814	1144	915	763	1017	814	678	
46	23	1914	1531	1276	1595	1276	1063	1276	1021	851	1196	957	798	1063	851	709	
48	24	1997	1598	1332	1664	1332	1110	1332	1065	888	1248	999	832	1110	888	740	
50	25	2081	1664	1387	1734	1387	1156	1387	1110	925	1300	1040	867	1156	925	771	
52	26	2164	1731	1442	1803	1442	1202	1442	1154	962	1352	1082	902	1202	962	801	
54	27	2247	1798	1498	1872	1498	1248	1498	1198	999	1404	1123	936	1248	999	832	
56	28	2330	1864	1553	1942	1553	1295	1553	1243	1036	1456	1165	971	1295	1036	863	
58	29	2413	1931	1609	2011	1609	1341	1609	1287	1073	1508	1207	1006	1341	1073	894	
60	30	2497	1997	1664	2081	1664	1387	1664	1332	1110	1560	1248	1040	1387	1110	925	
62	31	2580	2064	1720	2150	1720	1433	1720	1376	1147	1612	1290	1075	1433	1147	955	

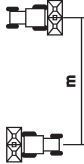
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,90 to 0,94 kg/l																			
Shutter setting																			
Belt speed		30						32						36					
		km/h						km/h						km/h					
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
12		166	133	111	156	125	104	139	111	92									
14		194	155	129	182	146	121	162	129	108									
16		222	178	148	208	166	139	185	148	123									
18		250	200	166	234	187	156	208	166	139									
20	10	277	222	185	260	208	173	231	185	154									
22	11	305	244	203	286	229	191	254	203	170									
24	12	333	266	222	312	250	208	277	222	185									
26	13	361	288	240	338	270	225	301	240	200									
28	14	388	311	259	364	291	243	324	259	216									
30	15	416	333	277	390	312	260	347	277	231									
32	16	444	355	296	416	333	277	370	296	247									
34	17	472	377	314	442	354	295	393	314	262									
36	18	499	399	333	468	374	312	416	333	277									
38	19	527	422	351	494	395	329	439	351	293									
40	20	555	444	370	520	416	347	462	370	308									
42	21	583	466	388	546	437	364	485	388	324									
44	22	610	488	407	572	458	381	509	407	339									
46	23	638	510	425	598	479	399	532	425	354									
48	24	666	533	444	624	499	416	555	444	370									
50	25	694	555	462	650	520	433	578	462	385									
52	26	721	577	481	676	541	451	601	481	401									
54	27	749	599	499	702	562	468	624	499	416									
56	28	777	621	518	728	583	485	647	518	432									
58	29	804	644	536	754	603	503	670	536	447									
60	30	832	666	555	780	624	520	694	555	462									
62	31	860	688	573	806	645	537	717	573	478									
64	32	888	710	592	832	666	555	740	592	493									
66	33	915	732	610	858	687	572	763	610	509									
68	34	943	755	629	884	707	589	786	629	524									
70	35	971	777	647	910	728	607	809	647	539									

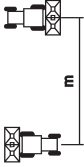
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 0,95 to 0,99 kg/l																	
Shutter setting																	
Belt speed		20			21			24			27			28			
		km/h			km/h			km/h			km/h			km/h			
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	
8		175	140	117	167	134	111	146	117	97	130	104	87	125	100	84	
10		219	175	146	209	167	139	183	146	122	162	130	108	157	125	104	
12		263	211	175	251	201	167	219	175	146	195	156	130	188	150	125	
14		307	246	205	292	234	195	256	205	171	227	182	152	219	175	146	
16		351	281	234	334	267	223	292	234	195	260	208	173	251	201	167	
18		395	316	263	376	301	251	329	263	219	292	234	195	282	226	188	
20	10	439	351	292	418	334	279	366	292	244	325	260	217	313	251	209	
22	11	483	386	322	460	368	306	402	322	268	357	286	238	345	276	230	
24	12	526	421	351	501	401	334	439	351	292	390	312	260	376	301	251	
26	13	570	456	380	543	435	362	475	380	317	422	338	282	407	326	272	
28	14	614	491	409	585	468	390	512	409	341	455	364	303	439	351	292	
30	15	658	526	439	627	501	418	548	439	366	487	390	325	470	376	313	
32	16	702	562	468	669	535	446	585	468	390	520	416	347	501	401	334	
34	17	746	597	497	710	568	474	622	497	414	552	442	368	533	426	355	
36	18	790	632	526	752	602	501	658	526	439	585	468	390	564	451	376	
38	19	834	667	556	794	635	529	695	556	463	617	494	412	595	476	397	
40	20	877	702	585	836	669	557	731	585	487	650	520	433	627	501	418	
42	21	921	737	614	877	702	585	768	614	512	682	546	455	658	526	439	
44	22	965	772	643	919	735	613	804	643	536	715	572	477	689	552	460	
46	23	1009	807	673	961	769	641	841	673	561	747	598	498	721	577	480	
48	24	1053	842	702	1003	802	669	877	702	585	780	624	520	752	602	501	
50	25	1097	877	731	1045	836	696	914	731	609	812	650	542	783	627	522	
52	26	1141	913	760	1086	869	724	951	760	634	845	676	563	815	652	543	
54	27	1185	948	790	1128	902	752	987	790	658	877	702	585	846	677	564	
56	28	1228	983	819	1170	936	780	1024	819	682	910	728	607	877	702	585	
58	29	1272	1018	848	1212	969	808	1060	848	707	942	754	628	909	727	606	
60	30	1316	1053	877	1253	1003	836	1097	877	731	975	780	650	940	752	627	
62	31	1360	1088	907	1295	1036	864	1133	907	756	1007	806	672	971	777	648	
64	32	1404	1123	936	1337	1070	891	1170	936	780	1040	832	693	1003	802	669	
66	33	1448	1158	965	1379	1103	919	1206	965	804	1072	858	715	1034	827	689	

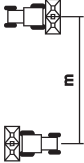
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,00 to 1,04 kg/l																	
Shutter setting																	
Belt speed		10			12			15			16			18			
		km/h			km/h			km/h			km/h			km/h			
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	
4		185	148	123	154	123	103	123	98	82	115	92	77	103	82	68	
6		277	221	185	231	185	154	185	148	123	173	138	115	154	123	103	
8		369	295	246	308	246	205	246	197	164	231	185	154	205	164	137	
10		461	369	308	384	308	256	308	246	205	288	231	192	256	205	171	
12		554	443	369	461	369	308	369	295	246	346	277	231	308	246	205	
14		646	517	431	538	431	359	431	344	287	404	323	269	359	287	239	
16		738	591	492	615	492	410	492	394	328	461	369	308	410	328	273	
18		830	664	554	692	554	461	554	443	369	519	415	346	461	369	308	
20	10	923	738	615	769	615	513	615	492	410	577	461	384	513	410	342	
22	11	1015	812	677	846	677	564	677	541	451	634	507	423	564	451	376	
24	12	1107	886	738	923	738	615	738	591	492	692	554	461	615	492	410	
26	13	1199	960	800	1000	800	666	800	640	533	750	600	500	666	533	444	
28	14	1292	1033	861	1076	861	718	861	689	574	807	646	538	718	574	478	
30	15	1384	1107	923	1153	923	769	923	738	615	865	692	577	769	615	513	
32	16	1476	1181	984	1230	984	820	984	787	656	923	738	615	820	656	547	
34	17	1569	1255	1046	1307	1046	871	1046	837	697	980	784	654	871	697	581	
36	18	1661	1329	1107	1384	1107	923	1107	886	738	1038	830	692	923	738	615	
38	19	1753	1402	1169	1461	1169	974	1169	935	779	1096	877	730	974	779	649	
40	20	1845	1476	1230	1538	1230	1025	1230	984	820	1153	923	769	1025	820	683	
42	21	1938	1550	1292	1615	1292	1076	1292	1033	861	1211	969	807	1076	861	718	
44	22	2030	1624	1353	1692	1353	1128	1353	1083	902	1269	1015	846	1128	902	752	
46	23	2122	1698	1415	1768	1415	1179	1415	1132	943	1326	1061	884	1179	943	786	
48	24	2214	1772	1476	1845	1476	1230	1476	1181	984	1384	1107	923	1230	984	820	
50	25	2307	1845	1538	1922	1538	1281	1538	1230	1025	1442	1153	961	1281	1025	854	
52	26	2399	1919	1599	1999	1599	1333	1599	1279	1066	1499	1199	1000	1333	1066	888	
54	27	2491	1993	1661	2076	1661	1384	1661	1329	1107	1557	1246	1038	1384	1107	923	
56	28	2583	2067	1722	2153	1722	1435	1722	1378	1148	1615	1292	1076	1435	1148	957	
58	29	2676	2141	1784	2230	1784	1487	1784	1427	1189	1672	1338	1115	1487	1189	991	
60	30	2768	2214	1845	2307	1845	1538	1845	1476	1230	1730	1384	1153	1538	1230	1025	
62	31	2860	2288	1907	2384	1907	1589	1907	1525	1271	1788	1430	1192	1589	1271	1059	

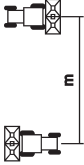
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,00 to 1,04 kg/l																			
Shutter setting																			
Belt speed		30						32						36					
		km/h						km/h						km/h					
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
12		185	148	123	173	138	115	154	123	103									
14		215	172	144	202	161	135	179	144	120									
16		246	197	164	231	185	154	205	164	137									
18		277	221	185	259	208	173	231	185	154									
20	10	308	246	205	288	231	192	256	205	171									
22	11	338	271	226	317	254	211	282	226	188									
24	12	369	295	246	346	277	231	308	246	205									
26	13	400	320	267	375	300	250	333	267	222									
28	14	431	344	287	404	323	269	359	287	239									
30	15	461	369	308	432	346	288	384	308	256									
32	16	492	394	328	461	369	308	410	328	273									
34	17	523	418	349	490	392	327	436	349	290									
36	18	554	443	369	519	415	346	461	369	308									
38	19	584	467	390	548	438	365	487	390	325									
40	20	615	492	410	577	461	384	513	410	342									
42	21	646	517	431	605	484	404	538	431	359									
44	22	677	541	451	634	507	423	564	451	376									
46	23	707	566	472	663	531	442	589	472	393									
48	24	738	591	492	692	554	461	615	492	410									
50	25	769	615	513	721	577	481	641	513	427									
52	26	800	640	533	750	600	500	666	533	444									
54	27	830	664	554	778	623	519	692	554	461									
56	28	861	689	574	807	646	538	718	574	478									
58	29	892	714	595	836	669	557	743	595	496									
60	30	923	738	615	865	692	577	769	615	513									
62	31	953	763	636	894	715	596	795	636	530									
64	32	984	787	656	923	738	615	820	656	547									
66	33	1015	812	677	951	761	634	846	677	564									
68	34	1046	837	697	980	784	654	871	697	581									
70	35	1076	861	718	1009	807	673	897	718	598									

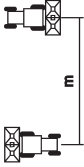
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,05 to 1,09 kg/l																
Shutter setting																
Belt speed		20			21			24			27			28		
		km/h			km/h			km/h			km/h			km/h		
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
8		194	155	129	184	147	123	161	129	108	143	115	96	138	111	92
10		242	194	161	230	184	154	202	161	134	179	143	119	173	138	115
12		290	232	194	277	221	184	242	194	161	215	172	143	207	166	138
14		339	271	226	323	258	215	282	226	188	251	201	167	242	194	161
16		387	310	258	369	295	246	323	258	215	287	229	191	277	221	184
18		436	348	290	415	332	277	363	290	242	323	258	215	311	249	207
20	10	484	387	323	461	369	307	403	323	269	358	287	239	346	277	230
22	11	532	426	355	507	406	338	444	355	296	394	315	263	380	304	253
24	12	581	465	387	553	442	369	484	387	323	430	344	287	415	332	277
26	13	629	503	419	599	479	399	524	419	350	466	373	311	449	360	300
28	14	678	542	452	645	516	430	565	452	376	502	401	335	484	387	323
30	15	726	581	484	691	553	461	605	484	403	538	430	358	519	415	346
32	16	774	619	516	737	590	492	645	516	430	574	459	382	553	442	369
34	17	823	658	548	784	627	522	686	548	457	609	488	406	588	470	392
36	18	871	697	581	830	664	553	726	581	484	645	516	430	622	498	415
38	19	919	736	613	876	701	584	766	613	511	681	545	454	657	525	438
40	20	968	774	645	922	737	615	807	645	538	717	574	478	691	553	461
42	21	1016	813	678	968	774	645	847	678	565	753	602	502	726	581	484
44	22	1065	852	710	1014	811	676	887	710	591	789	631	526	760	608	507
46	23	1113	890	742	1060	848	707	928	742	618	824	660	550	795	636	530
48	24	1161	929	774	1106	885	737	968	774	645	860	688	574	830	664	553
50	25	1210	968	807	1152	922	768	1008	807	672	896	717	597	864	691	576
52	26	1258	1007	839	1198	959	799	1049	839	699	932	746	621	899	719	599
54	27	1307	1045	871	1244	996	830	1089	871	726	968	774	645	933	747	622
56	28	1355	1084	903	1291	1032	860	1129	903	753	1004	803	669	968	774	645
58	29	1403	1123	936	1337	1069	891	1170	936	780	1040	832	693	1002	802	668
60	30	1452	1161	968	1383	1106	922	1210	968	807	1075	860	717	1037	830	691
62	31	1500	1200	1000	1429	1143	953	1250	1000	833	1111	889	741	1072	857	714
64	32	1549	1239	1032	1475	1180	983	1291	1032	860	1147	918	765	1106	885	737
66	33	1597	1278	1065	1521	1217	1014	1331	1065	887	1183	946	789	1141	913	760

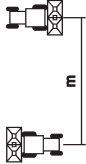
For ground wheel drive the shutter slide positions at 12 km/h are valid.

		Bulk density: 1,10 to 1,14 kg/l																	
Shutter setting																			
I	II	10			12			15			16			18					
		km/h			km/h			km/h			km/h			km/h					
		8	10	12	8	10	12	8	10	12	8	10	12	8	10	12			
4		203	162	135	169	135	113	135	108	90	127	101	84	113	90	75			
6		304	243	203	253	203	169	203	162	135	190	152	127	169	135	113			
8		405	324	270	338	270	225	270	216	180	253	203	169	225	180	150			
10		507	405	338	422	338	281	338	270	225	317	253	211	281	225	188			
12		608	486	405	507	405	338	405	324	270	380	304	253	338	270	225			
14		709	567	473	591	473	394	473	378	315	443	355	295	394	315	263			
16		810	648	540	675	540	450	540	432	360	507	405	338	450	360	300			
18		912	729	608	760	608	507	608	486	405	570	456	380	507	405	338			
20	10	1013	810	675	844	675	563	675	540	450	633	507	422	563	450	375			
22	11	1114	892	743	929	743	619	743	594	495	697	557	464	619	495	413			
24	12	1216	973	810	1013	810	675	810	648	540	760	608	507	675	540	450			
26	13	1317	1054	878	1098	878	732	878	702	585	823	659	549	732	585	488			
28	14	1418	1135	946	1182	946	788	946	756	630	886	709	591	788	630	525			
30	15	1520	1216	1013	1266	1013	844	1013	810	675	950	760	633	844	675	563			
32	16	1621	1297	1081	1351	1081	901	1081	865	720	1013	810	675	901	720	600			
34	17	1722	1378	1148	1435	1148	957	1148	919	765	1076	861	718	957	765	638			
36	18	1824	1459	1216	1520	1216	1013	1216	973	810	1140	912	760	1013	810	675			
38	19	1925	1540	1283	1604	1283	1069	1283	1027	856	1203	962	802	1069	856	713			
40	20	2026	1621	1351	1689	1351	1126	1351	1081	901	1266	1013	844	1126	901	750			
42	21	2128	1702	1418	1773	1418	1182	1418	1135	946	1330	1064	886	1182	946	788			
44	22	2229	1783	1486	1857	1486	1238	1486	1189	991	1393	1114	929	1238	991	826			
46	23	2330	1864	1553	1942	1553	1295	1553	1243	1036	1456	1165	971	1295	1036	863			
48	24	2431	1945	1621	2026	1621	1351	1621	1297	1081	1520	1216	1013	1351	1081	901			
50	25	2533	2026	1689	2111	1689	1407	1689	1351	1126	1583	1266	1055	1407	1126	938			
52	26	2634	2107	1756	2195	1756	1463	1756	1405	1171	1646	1317	1098	1463	1171	976			
54	27	2735	2188	1824	2280	1824	1520	1824	1459	1216	1710	1368	1140	1520	1216	1013			
56	28	2837	2269	1891	2364	1891	1576	1891	1513	1261	1773	1418	1182	1576	1261	1051			
58	29	2938	2350	1959	2448	1959	1632	1959	1567	1306	1836	1469	1224	1632	1306	1088			
60	30	3039	2431	2026	2533	2026	1689	2026	1621	1351	1900	1520	1266	1689	1351	1126			
62	31	3141	2513	2094	2617	2094	1745	2094	1675	1396	1963	1570	1309	1745	1396	1163			

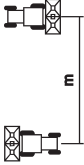
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,10 to 1,14 kg/l																			
Shutter setting																			
Belt speed		30						32						36					
		km/h						km/h						km/h					
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
12		203	162	135	190	152	127	169	135	113									
14		236	189	158	222	177	148	197	158	131									
16		270	216	180	253	203	169	225	180	150									
18		304	243	203	285	228	190	253	203	169									
20	10	338	270	225	317	253	211	281	225	188									
22	11	371	297	248	348	279	232	310	248	206									
24	12	405	324	270	380	304	253	338	270	225									
26	13	439	351	293	412	329	274	366	293	244									
28	14	473	378	315	443	355	295	394	315	263									
30	15	507	405	338	475	380	317	422	338	281									
32	16	540	432	360	507	405	338	450	360	300									
34	17	574	459	383	538	431	359	478	383	319									
36	18	608	486	405	570	456	380	507	405	338									
38	19	642	513	428	602	481	401	535	428	356									
40	20	675	540	450	633	507	422	563	450	375									
42	21	709	567	473	665	532	443	591	473	394									
44	22	743	594	495	697	557	464	619	495	413									
46	23	777	621	518	728	583	485	647	518	432									
48	24	810	648	540	760	608	507	675	540	450									
50	25	844	675	563	791	633	528	704	563	469									
52	26	878	702	585	823	659	549	732	585	488									
54	27	912	729	608	855	684	570	760	608	507									
56	28	946	756	630	886	709	591	788	630	525									
58	29	979	783	653	918	735	612	816	653	544									
60	30	1013	810	675	950	760	633	844	675	563									
62	31	1047	838	698	981	785	654	872	698	582									
64	32	1081	865	720	1013	810	675	901	720	600									
66	33	1114	892	743	1045	836	697	929	743	619									
68	34	1148	919	765	1076	861	718	957	765	638									
70	35	1182	946	788	1108	886	739	985	788	657									

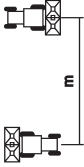
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,15 to 1,19 kg/l																	
Shutter setting																	
Belt speed		20			21			24			27			28			
		km/h			km/h			km/h			km/h			km/h			
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	
8		212	169	141	202	161	134	176	141	118	157	125	105	151	121	101	
10		265	212	176	252	202	168	220	176	147	196	157	131	189	151	126	
12		318	254	212	302	242	202	265	212	176	235	188	157	227	181	151	
14		370	296	247	353	282	235	309	247	206	274	220	183	265	212	176	
16		423	339	282	403	323	269	353	282	235	314	251	209	302	242	202	
18		476	381	318	454	363	302	397	318	265	353	282	235	340	272	227	
20	10	529	423	353	504	403	336	441	353	294	392	314	261	378	302	252	
22	11	582	466	388	554	443	370	485	388	323	431	345	287	416	333	277	
24	12	635	508	423	605	484	403	529	423	353	470	376	314	454	363	302	
26	13	688	550	459	655	524	437	573	459	382	510	408	340	491	393	328	
28	14	741	593	494	706	564	470	617	494	412	549	439	366	529	423	353	
30	15	794	635	529	756	605	504	661	529	441	588	470	392	567	454	378	
32	16	847	677	564	806	645	538	706	564	470	627	502	418	605	484	403	
34	17	900	720	600	857	685	571	750	600	500	666	533	444	643	514	428	
36	18	953	762	635	907	726	605	794	635	529	706	564	470	680	544	454	
38	19	1005	804	670	958	766	638	838	670	559	745	596	497	718	575	479	
40	20	1058	847	706	1008	806	672	882	706	588	784	627	523	756	605	504	
42	21	1111	889	741	1058	847	706	926	741	617	823	659	549	794	635	529	
44	22	1164	931	776	1109	887	739	970	776	647	862	690	575	832	665	554	
46	23	1217	974	811	1159	927	773	1014	811	676	902	721	601	869	695	580	
48	24	1270	1016	847	1210	968	806	1058	847	706	941	753	627	907	726	605	
50	25	1323	1058	882	1260	1008	840	1102	882	735	980	784	653	945	756	630	
52	26	1376	1101	917	1310	1048	874	1147	917	764	1019	815	679	983	786	655	
54	27	1429	1143	953	1361	1089	907	1191	953	794	1058	847	706	1021	816	680	
56	28	1482	1185	988	1411	1129	941	1235	988	823	1098	878	732	1058	847	706	
58	29	1535	1228	1023	1462	1169	974	1279	1023	853	1137	909	758	1096	877	731	
60	30	1588	1270	1058	1512	1210	1008	1323	1058	882	1176	941	784	1134	907	756	
62	31	1640	1312	1094	1562	1250	1042	1367	1094	911	1215	972	810	1172	937	781	
64	32	1693	1355	1129	1613	1290	1075	1411	1129	941	1254	1003	836	1210	968	806	
66	33	1746	1397	1164	1663	1330	1109	1455	1164	970	1294	1035	862	1247	998	832	

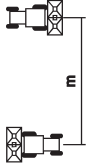
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,20 to 1,24 kg/l																
Shutter setting																
Belt speed		10			12			15			16			18		
		km/h			km/h			km/h			km/h			km/h		
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
4		221	177	147	184	147	123	147	118	98	138	110	92	123	98	82
6		331	265	221	276	221	184	221	177	147	207	166	138	184	147	123
8		441	353	294	368	294	245	294	235	196	276	221	184	245	196	163
10		552	441	368	460	368	307	368	294	245	345	276	230	307	245	204
12		662	530	441	552	441	368	441	353	294	414	331	276	368	294	245
14		773	618	515	644	515	429	515	412	343	483	386	322	429	343	286
16		883	706	589	736	589	490	589	471	392	552	441	368	490	392	327
18		993	795	662	828	662	552	662	530	441	621	497	414	552	441	368
20	10	1104	883	736	920	736	613	736	589	490	690	552	460	613	490	409
22	11	1214	971	809	1012	809	674	809	647	540	759	607	506	674	540	450
24	12	1324	1059	883	1104	883	736	883	706	589	828	662	552	736	589	490
26	13	1435	1148	956	1196	956	797	956	765	638	897	717	598	797	638	531
28	14	1545	1236	1030	1288	1030	858	1030	824	687	966	773	644	858	687	572
30	15	1655	1324	1104	1379	1104	920	1104	883	736	1035	828	690	920	736	613
32	16	1766	1413	1177	1471	1177	981	1177	942	785	1104	883	736	981	785	654
34	17	1876	1501	1251	1563	1251	1042	1251	1001	834	1173	938	782	1042	834	695
36	18	1986	1589	1324	1655	1324	1104	1324	1059	883	1242	993	828	1104	883	736
38	19	2097	1677	1398	1747	1398	1165	1398	1118	932	1310	1048	874	1165	932	777
40	20	2207	1766	1471	1839	1471	1226	1471	1177	981	1379	1104	920	1226	981	817
42	21	2318	1854	1545	1931	1545	1288	1545	1236	1030	1448	1159	966	1288	1030	858
44	22	2428	1942	1619	2023	1619	1349	1619	1295	1079	1517	1214	1012	1349	1079	899
46	23	2538	2031	1692	2115	1692	1410	1692	1354	1128	1586	1269	1058	1410	1128	940
48	24	2649	2119	1766	2207	1766	1471	1766	1413	1177	1655	1324	1104	1471	1177	981
50	25	2759	2207	1839	2299	1839	1533	1839	1471	1226	1724	1379	1150	1533	1226	1022
52	26	2869	2295	1913	2391	1913	1594	1913	1530	1275	1793	1435	1196	1594	1275	1063
54	27	2980	2384	1986	2483	1986	1655	1986	1589	1324	1862	1490	1242	1655	1324	1104
56	28	3090	2472	2060	2575	2060	1717	2060	1648	1373	1931	1545	1288	1717	1373	1144
58	29	3200	2560	2134	2667	2134	1778	2134	1707	1422	2000	1600	1333	1778	1422	1185
60	30	3311	2649	2207	2759	2207	1839	2207	1766	1471	2069	1655	1379	1839	1471	1226
62	31	3421	2737	2281	2851	2281	1901	2281	1825	1520	2138	1711	1425	1901	1520	1267

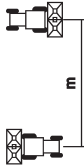
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,20 to 1,24 kg/l																			
Shutter setting																			
I	II	30			32			36			km/h			km/h			km/h		
		8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
12		221	177	147	207	166	138	184	147	123									
14		258	206	172	241	193	161	215	172	143									
16		294	235	196	276	221	184	245	196	163									
18		331	265	221	310	248	207	276	221	184									
20	10	368	294	245	345	276	230	307	245	204									
22	11	405	324	270	379	303	253	337	270	225									
24	12	441	353	294	414	331	276	368	294	245									
26	13	478	383	319	448	359	299	399	319	266									
28	14	515	412	343	483	386	322	429	343	286									
30	15	552	441	368	517	414	345	460	368	307									
32	16	589	471	392	552	441	368	490	392	327									
34	17	625	500	417	586	469	391	521	417	347									
36	18	662	530	441	621	497	414	552	441	368									
38	19	699	559	466	655	524	437	582	466	388									
40	20	736	589	490	690	552	460	613	490	409									
42	21	773	618	515	724	579	483	644	515	429									
44	22	809	647	540	759	607	506	674	540	450									
46	23	846	677	564	793	635	529	705	564	470									
48	24	883	706	589	828	662	552	736	589	490									
50	25	920	736	613	862	690	575	766	613	511									
52	26	956	765	638	897	717	598	797	638	531									
54	27	993	795	662	931	745	621	828	662	552									
56	28	1030	824	687	966	773	644	858	687	572									
58	29	1067	853	711	1000	800	667	889	711	593									
60	30	1104	883	736	1035	828	690	920	736	613									
62	31	1140	912	760	1069	855	713	950	760	634									
64	32	1177	942	785	1104	883	736	981	785	654									
66	33	1214	971	809	1138	910	759	1012	809	674									
68	34	1251	1001	834	1173	938	782	1042	834	695									
70	35	1288	1030	858	1207	966	805	1073	858	715									

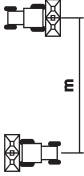
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,25 to 1,29 kg/l																				
Shutter setting																				
Belt speed	20				21				24				27				28			
	km/h				km/h				km/h				km/h				km/h			
I II	8	10	12		8	10	12		8	10	12		8	10	12		8	10	12	
8	230	184	153	219	175	146	191	153	128	170	136	113	164	131	109					
10	287	230	191	274	219	182	239	191	160	213	170	142	205	164	137					
12	345	276	230	328	263	219	287	230	191	255	204	170	246	197	164					
14	402	322	268	383	306	255	335	268	223	298	238	199	287	230	191					
16	460	368	306	438	350	292	383	306	255	340	272	227	328	263	219					
18	517	414	345	492	394	328	431	345	287	383	306	255	369	295	246					
20	574	460	383	547	438	365	479	383	319	425	340	284	410	328	274					
22	632	505	421	602	481	401	527	421	351	468	374	312	451	361	301					
24	689	551	460	656	525	438	574	460	383	511	408	340	492	394	328					
26	747	597	498	711	569	474	622	498	415	553	443	369	533	427	356					
28	804	643	536	766	613	511	670	536	447	596	477	397	574	460	383					
30	862	689	574	821	656	547	718	574	479	638	511	425	615	492	410					
32	919	735	613	875	700	584	766	613	511	681	545	454	656	525	438					
34	976	781	651	930	744	620	814	651	542	723	579	482	697	558	465					
36	1034	827	689	985	788	656	862	689	574	766	613	511	739	591	492					
38	1091	873	728	1039	832	693	909	728	606	808	647	539	780	624	520					
40	1149	919	766	1094	875	729	957	766	638	851	681	567	821	656	547					
42	1206	965	804	1149	919	766	1005	804	670	894	715	596	862	689	574					
44	1264	1011	842	1204	963	802	1053	842	702	936	749	624	903	722	602					
46	1321	1057	881	1258	1007	839	1101	881	734	979	783	652	944	755	629					
48	1379	1103	919	1313	1050	875	1149	919	766	1021	817	681	985	788	656					
50	1436	1149	957	1368	1094	912	1197	957	798	1064	851	709	1026	821	684					
52	1493	1195	996	1422	1138	948	1245	996	830	1106	885	738	1067	853	711					
54	1551	1241	1034	1477	1182	985	1292	1034	862	1149	919	766	1108	886	739					
56	1608	1287	1072	1532	1225	1021	1340	1072	894	1191	953	794	1149	919	766					
58	1666	1333	1111	1586	1269	1058	1388	1111	925	1234	987	823	1190	952	793					
60	1723	1379	1149	1641	1313	1094	1436	1149	957	1276	1021	851	1231	985	821					
62	1781	1425	1187	1696	1357	1131	1484	1187	989	1319	1055	879	1272	1018	848					
64	1838	1470	1225	1751	1400	1167	1532	1225	1021	1362	1089	908	1313	1050	875					
66	1896	1516	1264	1805	1444	1204	1580	1264	1053	1404	1123	936	1354	1083	903					

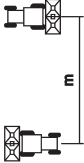
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,30 to 1,34 kg/l																	
Shutter setting																	
Belt speed		10			12			15			16			18			
		km/h			km/h			km/h			km/h			km/h			
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	
4		239	191	159	199	159	133	159	127	106	149	119	100	133	106	88	
6		358	287	239	299	239	199	239	191	159	224	179	149	199	159	133	
8		478	382	318	398	318	265	318	255	212	299	239	199	265	212	177	
10		597	478	398	498	398	332	398	318	265	373	299	249	332	265	221	
12		716	573	478	597	478	398	478	382	318	448	358	299	398	318	265	
14		836	669	557	697	557	464	557	446	371	522	418	348	464	371	310	
16		955	764	637	796	637	531	637	509	425	597	478	398	531	425	354	
18		1075	860	716	896	716	597	716	573	478	672	537	448	597	478	398	
20	10	1194	955	796	995	796	663	796	637	531	746	597	498	663	531	442	
22	11	1313	1051	876	1095	876	730	876	700	584	821	657	547	730	584	486	
24	12	1433	1146	955	1194	955	796	955	764	637	896	716	597	796	637	531	
26	13	1552	1242	1035	1294	1035	862	1035	828	690	970	776	647	862	690	575	
28	14	1672	1337	1114	1393	1114	929	1114	892	743	1045	836	697	929	743	619	
30	15	1791	1433	1194	1493	1194	995	1194	955	796	1119	896	746	995	796	663	
32	16	1910	1528	1274	1592	1274	1061	1274	1019	849	1194	955	796	1061	849	708	
34	17	2030	1624	1353	1692	1353	1128	1353	1083	902	1269	1015	846	1128	902	752	
36	18	2149	1719	1433	1791	1433	1194	1433	1146	955	1343	1075	896	1194	955	796	
38	19	2269	1815	1512	1891	1512	1260	1512	1210	1008	1418	1134	945	1260	1008	840	
40	20	2388	1910	1592	1990	1592	1327	1592	1274	1061	1493	1194	995	1327	1061	884	
42	21	2507	2006	1672	2090	1672	1393	1672	1337	1114	1567	1254	1045	1393	1114	929	
44	22	2627	2101	1751	2189	1751	1459	1751	1401	1167	1642	1313	1095	1459	1167	973	
46	23	2746	2197	1831	2289	1831	1526	1831	1465	1221	1716	1373	1144	1526	1221	1017	
48	24	2866	2293	1910	2388	1910	1592	1910	1528	1274	1791	1433	1194	1592	1274	1061	
50	25	2985	2388	1990	2488	1990	1658	1990	1592	1327	1866	1493	1244	1658	1327	1106	
52	26	3104	2484	2070	2587	2070	1725	2070	1656	1380	1940	1552	1294	1725	1380	1150	
54	27	3224	2579	2149	2687	2149	1791	2149	1719	1433	2015	1612	1343	1791	1433	1194	
56	28	3343	2675	2229	2786	2229	1857	2229	1783	1486	2090	1672	1393	1857	1486	1238	
58	29	3463	2770	2308	2886	2308	1924	2308	1847	1539	2164	1731	1443	1924	1539	1282	
60	30	3582	2866	2388	2985	2388	1990	2388	1910	1592	2239	1791	1493	1990	1592	1327	
62	31	3701	2961	2468	3085	2468	2056	2468	1974	1645	2313	1851	1542	2056	1645	1371	

For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,30 to 1,34 kg/l																			
Shutter setting																			
Belt speed		30			32			36			km/h			km/h			km/h		
		8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
I	II																		
12		239	191	159	224	179	149	199	159	133									
14		279	223	186	261	209	174	232	186	155									
16		318	255	212	299	239	199	265	212	177									
18		358	287	239	336	269	224	299	239	199									
20	10	398	318	265	373	299	249	332	265	221									
22	11	438	350	292	410	328	274	365	292	243									
24	12	478	382	318	448	358	299	398	318	265									
26	13	517	414	345	485	388	323	431	345	287									
28	14	557	446	371	522	418	348	464	371	310									
30	15	597	478	398	560	448	373	498	398	332									
32	16	637	509	425	597	478	398	531	425	354									
34	17	677	541	451	634	507	423	564	451	376									
36	18	716	573	478	672	537	448	597	478	398									
38	19	756	605	504	709	567	473	630	504	420									
40	20	796	637	531	746	597	498	663	531	442									
42	21	836	669	557	784	627	522	697	557	464									
44	22	876	700	584	821	657	547	730	584	486									
46	23	915	732	610	858	687	572	763	610	509									
48	24	955	764	637	896	716	597	796	637	531									
50	25	995	796	663	933	746	622	829	663	553									
52	26	1035	828	690	970	776	647	862	690	575									
54	27	1075	860	716	1007	806	672	896	716	597									
56	28	1114	892	743	1045	836	697	929	743	619									
58	29	1154	923	769	1082	866	721	962	769	641									
60	30	1194	955	796	1119	896	746	995	796	663									
62	31	1234	987	823	1157	925	771	1028	823	685									
64	32	1274	1019	849	1194	955	796	1061	849	708									
66	33	1313	1051	876	1231	985	821	1095	876	730									
68	34	1353	1083	902	1269	1015	846	1128	902	752									
70	35	1393	1114	929	1306	1045	871	1161	929	774									

For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,35 to 1,39 kg/l																
Shutter setting																
Belt speed		20			21			24			27			28		
		km/h			km/h			km/h			km/h			km/h		
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
8		248	198	165	236	189	157	207	165	138	184	147	122	177	142	118
10		310	248	207	295	236	197	258	207	172	229	184	153	221	177	148
12		372	297	248	354	283	236	310	248	207	275	220	184	266	212	177
14		434	347	289	413	330	275	361	289	241	321	257	214	310	248	207
16		496	397	330	472	378	315	413	330	275	367	294	245	354	283	236
18		558	446	372	531	425	354	465	372	310	413	330	275	398	319	266
20	10	620	496	413	590	472	393	516	413	344	459	367	306	443	354	295
22	11	682	545	454	649	519	433	568	454	379	505	404	337	487	389	325
24	12	744	595	496	708	567	472	620	496	413	551	441	367	531	425	354
26	13	806	644	537	767	614	511	671	537	448	597	477	398	575	460	384
28	14	867	694	578	826	661	551	723	578	482	643	514	428	620	496	413
30	15	929	744	620	885	708	590	775	620	516	688	551	459	664	531	443
32	16	991	793	661	944	755	629	826	661	551	734	587	490	708	567	472
34	17	1053	843	702	1003	803	669	878	702	585	780	624	520	752	602	502
36	18	1115	892	744	1062	850	708	929	744	620	826	661	551	797	637	531
38	19	1177	942	785	1121	897	747	981	785	654	872	698	581	841	673	561
40	20	1239	991	826	1180	944	787	1033	826	688	918	734	612	885	708	590
42	21	1301	1041	867	1239	991	826	1084	867	723	964	771	643	929	744	620
44	22	1363	1091	909	1298	1039	866	1136	909	757	1010	808	673	974	779	649
46	23	1425	1140	950	1357	1086	905	1188	950	792	1056	845	704	1018	814	679
48	24	1487	1190	991	1416	1133	944	1239	991	826	1102	881	734	1062	850	708
50	25	1549	1239	1033	1475	1180	984	1291	1033	861	1147	918	765	1106	885	738
52	26	1611	1289	1074	1534	1227	1023	1343	1074	895	1193	955	796	1151	921	767
54	27	1673	1338	1115	1593	1275	1062	1394	1115	929	1239	991	826	1195	956	797
56	28	1735	1388	1157	1652	1322	1102	1446	1157	964	1285	1028	857	1239	991	826
58	29	1797	1438	1198	1711	1369	1141	1497	1198	998	1331	1065	887	1284	1027	856
60	30	1859	1487	1239	1770	1416	1180	1549	1239	1033	1377	1102	918	1328	1062	885
62	31	1921	1537	1281	1829	1464	1220	1601	1281	1067	1423	1138	949	1372	1098	915
64	32	1983	1586	1322	1888	1511	1259	1652	1322	1102	1469	1175	979	1416	1133	944
66	33	2045	1636	1363	1947	1558	1298	1704	1363	1136	1515	1212	1010	1461	1168	974

For ground wheel drive the shutter slide positions at 12 km/h are valid.

		Bulk density: 1,40 to 1,44 kg/l																	
Shutter setting																			
I	II	10			12			15			16			18					
		km/h			km/h			km/h			km/h			km/h					
		8	10	12	8	10	12	8	10	12	8	10	12	8	10	12			
4		257	206	171	214	171	143	171	137	114	161	128	107	143	114	95			
6		385	308	257	321	257	214	257	206	171	241	193	161	214	171	143			
8		514	411	343	428	343	285	343	274	228	321	257	214	285	228	190			
10		642	514	428	535	428	357	428	343	285	401	321	268	357	285	238			
12		771	617	514	642	514	428	514	411	343	482	385	321	428	343	285			
14		899	719	599	749	599	500	599	480	400	562	450	375	500	400	333			
16		1028	822	685	856	685	571	685	548	457	642	514	428	571	457	381			
18		1156	925	771	963	771	642	771	617	514	723	578	482	642	514	428			
20	10	1284	1028	856	1070	856	714	856	685	571	803	642	535	714	571	476			
22	11	1413	1130	942	1177	942	785	942	754	628	883	706	589	785	628	523			
24	12	1541	1233	1028	1284	1028	856	1028	822	685	963	771	642	856	685	571			
26	13	1670	1336	1113	1392	1113	928	1113	891	742	1044	835	696	928	742	618			
28	14	1798	1439	1199	1499	1199	999	1199	959	799	1124	899	749	999	799	666			
30	15	1927	1541	1284	1606	1284	1070	1284	1028	856	1204	963	803	1070	856	714			
32	16	2055	1644	1370	1713	1370	1142	1370	1096	913	1284	1028	856	1142	913	761			
34	17	2184	1747	1456	1820	1456	1213	1456	1165	971	1365	1092	910	1213	971	809			
36	18	2312	1850	1541	1927	1541	1284	1541	1233	1028	1445	1156	963	1284	1028	856			
38	19	2441	1952	1627	2034	1627	1356	1627	1302	1085	1525	1220	1017	1356	1085	904			
40	20	2569	2055	1713	2141	1713	1427	1713	1370	1142	1606	1284	1070	1427	1142	951			
42	21	2697	2158	1798	2248	1798	1499	1798	1439	1199	1686	1349	1124	1499	1199	999			
44	22	2826	2261	1884	2355	1884	1570	1884	1507	1256	1766	1413	1177	1570	1256	1047			
46	23	2954	2363	1970	2462	1970	1641	1970	1576	1313	1846	1477	1231	1641	1313	1094			
48	24	3083	2466	2055	2569	2055	1713	2055	1644	1370	1927	1541	1284	1713	1370	1142			
50	25	3211	2569	2141	2676	2141	1784	2141	1713	1427	2007	1606	1338	1784	1427	1189			
52	26	3340	2672	2226	2783	2226	1855	2226	1781	1484	2087	1670	1392	1855	1484	1237			
54	27	3468	2774	2312	2890	2312	1927	2312	1850	1541	2168	1734	1445	1927	1541	1284			
56	28	3597	2877	2398	2997	2398	1998	2398	1918	1598	2248	1798	1499	1998	1598	1332			
58	29	3725	2980	2483	3104	2483	2069	2483	1987	1656	2328	1863	1552	2069	1656	1380			
60	30	3853	3083	2569	3211	2569	2141	2569	2055	1713	2408	1927	1606	2141	1713	1427			
62	31	3982	3186	2655	3318	2655	2212	2655	2124	1770	2489	1991	1659	2212	1770	1475			

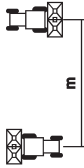
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,40 to 1,44 kg/l																			
Shutter setting																			
Belt speed		30			32			36			km/h			km/h			km/h		
		8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
I	II																		
12		257	206	171	241	193	161	214	171	143									
14		300	240	200	281	225	187	250	200	167									
16		343	274	228	321	257	214	285	228	190									
18		385	308	257	361	289	241	321	257	214									
20	10	428	343	285	401	321	268	357	285	238									
22	11	471	377	314	442	353	294	392	314	262									
24	12	514	411	343	482	385	321	428	343	285									
26	13	557	445	371	522	417	348	464	371	309									
28	14	599	480	400	562	450	375	500	400	333									
30	15	642	514	428	602	482	401	535	428	357									
32	16	685	548	457	642	514	428	571	457	381									
34	17	728	582	485	682	546	455	607	485	404									
36	18	771	617	514	723	578	482	642	514	428									
38	19	814	651	542	763	610	508	678	542	452									
40	20	856	685	571	803	642	535	714	571	476									
42	21	899	719	599	843	674	562	749	599	500									
44	22	942	754	628	883	706	589	785	628	523									
46	23	985	788	657	923	739	615	821	657	547									
48	24	1028	822	685	963	771	642	856	685	571									
50	25	1070	856	714	1004	803	669	892	714	595									
52	26	1113	891	742	1044	835	696	928	742	618									
54	27	1156	925	771	1084	867	723	963	771	642									
56	28	1199	959	799	1124	899	749	999	799	666									
58	29	1242	993	828	1164	931	776	1035	828	690									
60	30	1284	1028	856	1204	963	803	1070	856	714									
62	31	1327	1062	885	1244	995	830	1106	885	737									
64	32	1370	1096	913	1284	1028	856	1142	913	761									
66	33	1413	1130	942	1325	1060	883	1177	942	785									
68	34	1456	1165	971	1365	1092	910	1213	971	809									
70	35	1499	1199	999	1405	1124	937	1249	999	833									

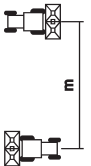
For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,45 to 1,49 kg/l																
Shutter setting																
Belt speed		20			21			24			27			28		
		km/h			km/h			km/h			km/h			km/h		
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
8		266	213	177	253	203	169	222	177	148	197	158	131	190	152	127
10		332	266	222	317	253	211	277	222	185	246	197	164	237	190	158
12		399	319	266	380	304	253	332	266	222	295	236	197	285	228	190
14		465	372	310	443	355	295	388	310	259	345	276	230	332	266	222
16		532	426	355	507	405	338	443	355	295	394	315	263	380	304	253
18		598	479	399	570	456	380	499	399	332	443	355	295	427	342	285
20	10	665	532	443	633	507	422	554	443	369	492	394	328	475	380	317
22	11	731	585	488	697	557	464	609	488	406	542	433	361	522	418	348
24	12	798	638	532	760	608	507	665	532	443	591	473	394	570	456	380
26	13	864	691	576	823	659	549	720	576	480	640	512	427	617	494	412
28	14	931	745	621	886	709	591	776	621	517	689	552	460	665	532	443
30	15	997	798	665	950	760	633	831	665	554	739	591	492	712	570	475
32	16	1064	851	709	1013	810	675	886	709	591	788	630	525	760	608	507
34	17	1130	904	754	1076	861	718	942	754	628	837	670	558	807	646	538
36	18	1197	957	798	1140	912	760	997	798	665	886	709	591	855	684	570
38	19	1263	1011	842	1203	962	802	1053	842	702	936	749	624	902	722	602
40	20	1330	1064	886	1266	1013	844	1108	886	739	985	788	657	950	760	633
42	21	1396	1117	931	1330	1064	886	1163	931	776	1034	827	689	997	798	665
44	22	1463	1170	975	1393	1114	929	1219	975	813	1083	867	722	1045	836	697
46	23	1529	1223	1019	1456	1165	971	1274	1019	850	1133	906	755	1092	874	728
48	24	1596	1277	1064	1520	1216	1013	1330	1064	886	1182	946	788	1140	912	760
50	25	1662	1330	1108	1583	1266	1055	1385	1108	923	1231	985	821	1187	950	791
52	26	1729	1383	1152	1646	1317	1098	1441	1152	960	1280	1024	854	1235	988	823
54	27	1795	1436	1197	1710	1368	1140	1496	1197	997	1330	1064	886	1282	1026	855
56	28	1862	1489	1241	1773	1418	1182	1551	1241	1034	1379	1103	919	1330	1064	886
58	29	1928	1542	1285	1836	1469	1224	1607	1285	1071	1428	1143	952	1377	1102	918
60	30	1995	1596	1330	1900	1520	1266	1662	1330	1108	1477	1182	985	1425	1140	950
62	31	2061	1649	1374	1963	1570	1309	1718	1374	1145	1527	1221	1018	1472	1178	981
64	32	2128	1702	1418	2026	1621	1351	1773	1418	1182	1576	1261	1051	1520	1216	1013
66	33	2194	1755	1463	2090	1672	1393	1828	1463	1219	1625	1300	1083	1567	1254	1045

For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,50 to 1,54 kg/l																	
Shutter setting																	
Belt speed		10			12			15			16			18			
		km/h			km/h			km/h			km/h			km/h			
I	II	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	
4		275	220	183	229	183	153	183	147	122	172	137	115	153	122	102	
6		412	330	275	344	275	229	275	220	183	258	206	172	229	183	153	
8		550	440	367	458	367	306	367	293	244	344	275	229	306	244	204	
10		687	550	458	573	458	382	458	367	306	430	344	286	382	306	255	
12		825	660	550	687	550	458	550	440	367	516	412	344	458	367	306	
14		962	770	642	802	642	535	642	513	428	602	481	401	535	428	356	
16		1100	880	733	917	733	611	733	587	489	687	550	458	611	489	407	
18		1237	990	825	1031	825	687	825	660	550	773	619	516	687	550	458	
20	10	1375	1100	917	1146	917	764	917	733	611	859	687	573	764	611	509	
22	11	1512	1210	1008	1260	1008	840	1008	807	672	945	756	630	840	672	560	
24	12	1650	1320	1100	1375	1100	917	1100	880	733	1031	825	687	917	733	611	
26	13	1787	1430	1192	1490	1192	993	1192	953	794	1117	894	745	993	794	662	
28	14	1925	1540	1283	1604	1283	1069	1283	1027	856	1203	962	802	1069	856	713	
30	15	2062	1650	1375	1719	1375	1146	1375	1100	917	1289	1031	859	1146	917	764	
32	16	2200	1760	1467	1833	1467	1222	1467	1173	978	1375	1100	917	1222	978	815	
34	17	2337	1870	1558	1948	1558	1299	1558	1247	1039	1461	1169	974	1299	1039	866	
36	18	2475	1980	1650	2062	1650	1375	1650	1320	1100	1547	1237	1031	1375	1100	917	
38	19	2612	2090	1742	2177	1742	1451	1742	1393	1161	1633	1306	1088	1451	1161	968	
40	20	2750	2200	1833	2292	1833	1528	1833	1467	1222	1719	1375	1146	1528	1222	1018	
42	21	2887	2310	1925	2406	1925	1604	1925	1540	1283	1805	1444	1203	1604	1283	1069	
44	22	3025	2420	2017	2521	2017	1680	2017	1613	1344	1891	1512	1260	1680	1344	1120	
46	23	3162	2530	2108	2635	2108	1757	2108	1687	1405	1976	1581	1318	1757	1405	1171	
48	24	3300	2640	2200	2750	2200	1833	2200	1760	1467	2062	1650	1375	1833	1467	1222	
50	25	3437	2750	2292	2864	2292	1910	2292	1833	1528	2148	1719	1432	1910	1528	1273	
52	26	3575	2860	2383	2979	2383	1986	2383	1907	1589	2234	1787	1490	1986	1589	1324	
54	27	3712	2970	2475	3094	2475	2062	2475	1980	1650	2320	1856	1547	2062	1650	1375	
56	28	3850	3080	2567	3208	2567	2139	2567	2053	1711	2406	1925	1604	2139	1711	1426	
58	29	3987	3190	2658	3323	2658	2215	2658	2127	1772	2492	1994	1661	2215	1772	1477	
60	30	4125	3300	2750	3437	2750	2292	2750	2200	1833	2578	2062	1719	2292	1833	1528	
62	31	4262	3410	2842	3552	2842	2368	2842	2273	1894	2664	2131	1776	2368	1894	1579	

For ground wheel drive the shutter slide positions at 12 km/h are valid.

Bulk density: 1,50 to 1,54 kg/l																			
Shutter setting																			
Belt speed		30			32			36			km/h			km/h			km/h		
		8	10	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10	12
I	II																		
12		275	220	183	258	206	172	229	183	153									
14		321	257	214	301	241	201	267	214	178									
16		367	293	244	344	275	229	306	244	204									
18		412	330	275	387	309	258	344	275	229									
20	10	458	367	306	430	344	286	382	306	255									
22	11	504	403	336	473	378	315	420	336	280									
24	12	550	440	367	516	412	344	458	367	306									
26	13	596	477	397	559	447	372	497	397	331									
28	14	642	513	428	602	481	401	535	428	356									
30	15	687	550	458	645	516	430	573	458	382									
32	16	733	587	489	687	550	458	611	489	407									
34	17	779	623	519	730	584	487	649	519	433									
36	18	825	660	550	773	619	516	687	550	458									
38	19	871	697	581	816	653	544	726	581	484									
40	20	917	733	611	859	687	573	764	611	509									
42	21	962	770	642	902	722	602	802	642	535									
44	22	1008	807	672	945	756	630	840	672	560									
46	23	1054	843	703	988	791	659	878	703	586									
48	24	1100	880	733	1031	825	687	917	733	611									
50	25	1146	917	764	1074	859	716	955	764	637									
52	26	1192	953	794	1117	894	745	993	794	662									
54	27	1237	990	825	1160	928	773	1031	825	687									
56	28	1283	1027	856	1203	962	802	1069	856	713									
58	29	1329	1063	886	1246	997	831	1108	886	738									
60	30	1375	1100	917	1289	1031	859	1146	917	764									
62	31	1421	1137	947	1332	1066	888	1184	947	789									
64	32	1467	1173	978	1375	1100	917	1222	978	815									
66	33	1512	1210	1008	1418	1134	945	1260	1008	840									
68	34	1558	1247	1039	1461	1169	974	1299	1039	866									
70	35	1604	1283	1069	1504	1203	1003	1337	1069	891									

For ground wheel drive the shutter slide positions at 12 km/h are valid.

Notes

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