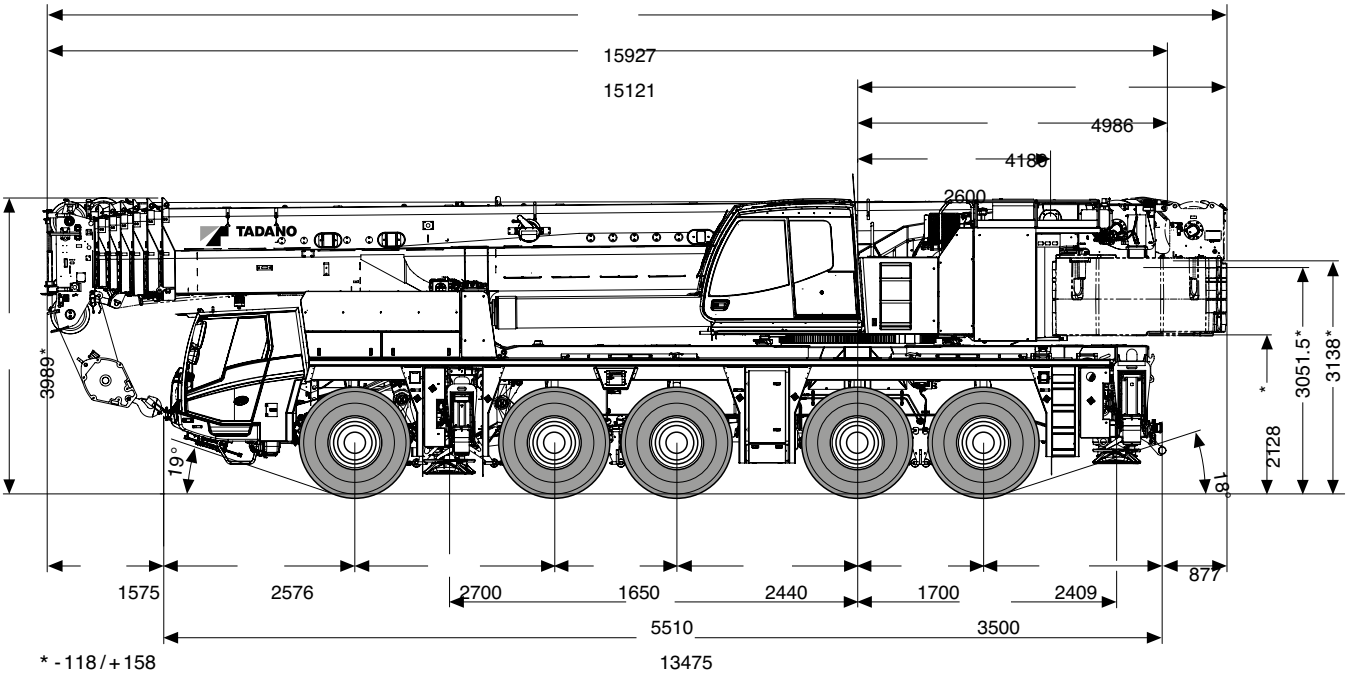
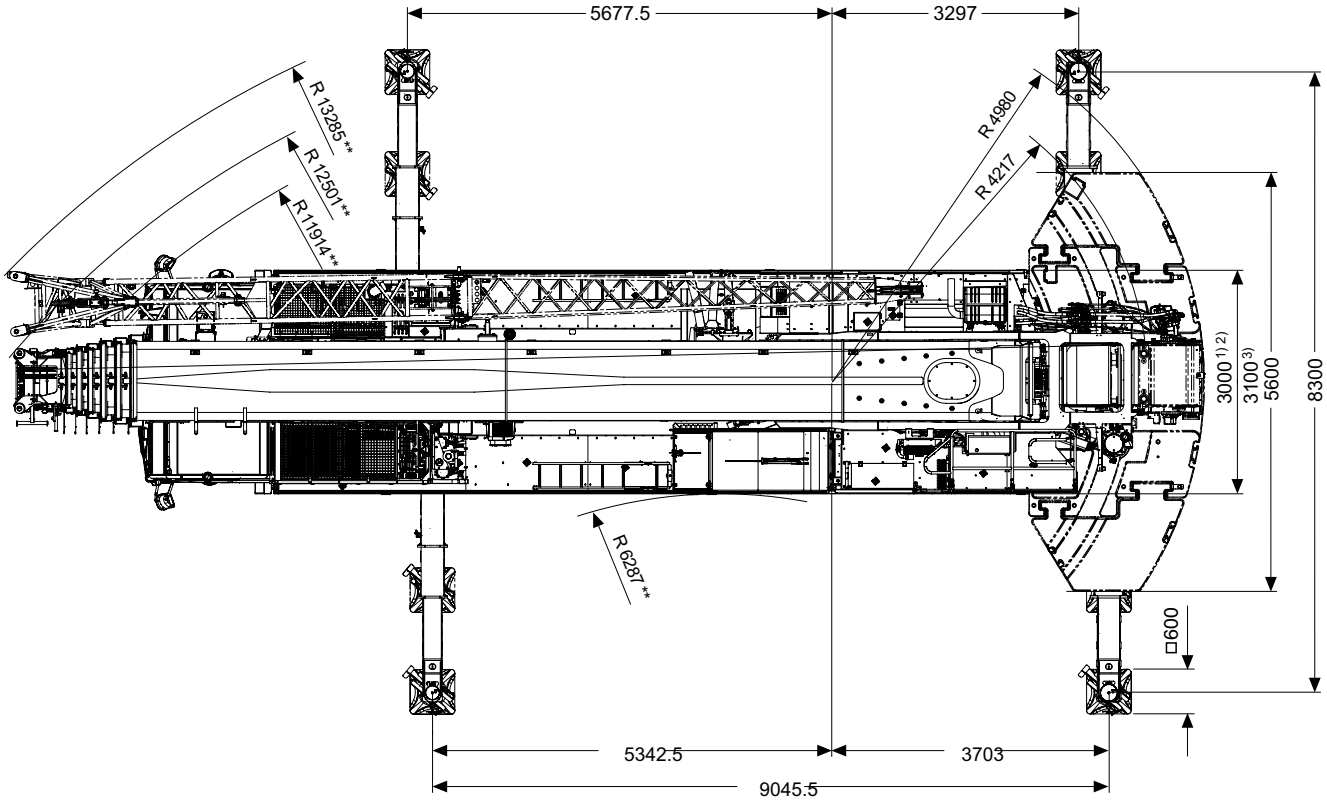
General · Allgemein · Généralités
Generalidades · Generalità · Общие положения

Vehicle dimensions · Fahrzeugabmessungen · Dimensions du véhicule
Dimensiones del vehículo · Dimensioni veicolo · Габариты машины



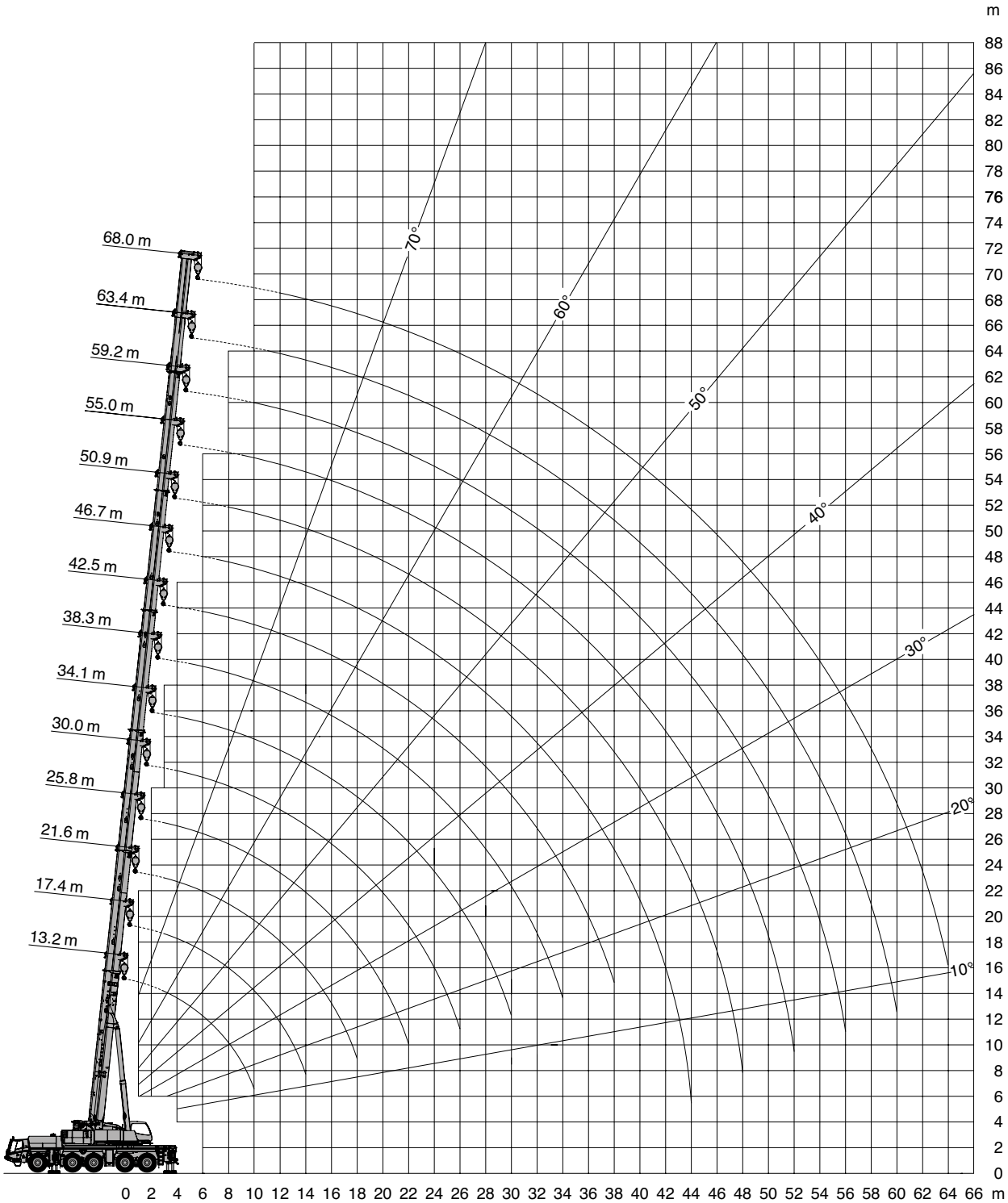


1) 385/95 R 25 (14.00 R 25)
2) 445/95 R 25 (16.00 R 25)
3) 525/80 R 25 (20.5 R 25)

** Minimum · minimum · mínimo · minimo · мінімальны

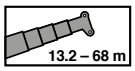
Operation · Einsatz · Utilisation
Uso · Эксплуатация

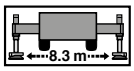
Working range · Arbeitsbereich · Rayon de travail
Zona de trabajo · Area di lavoro · Рабочая зона



Operation · Einsatz · Utilisation
Uso · Эксплуатация

Lifting capacities · Traglasten · Charges de levage
Cargas · Portate · Грузоподъемность





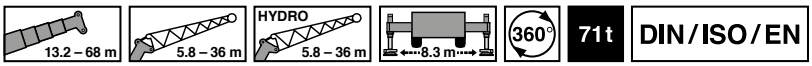
71 t **DIN / ISO / EN**

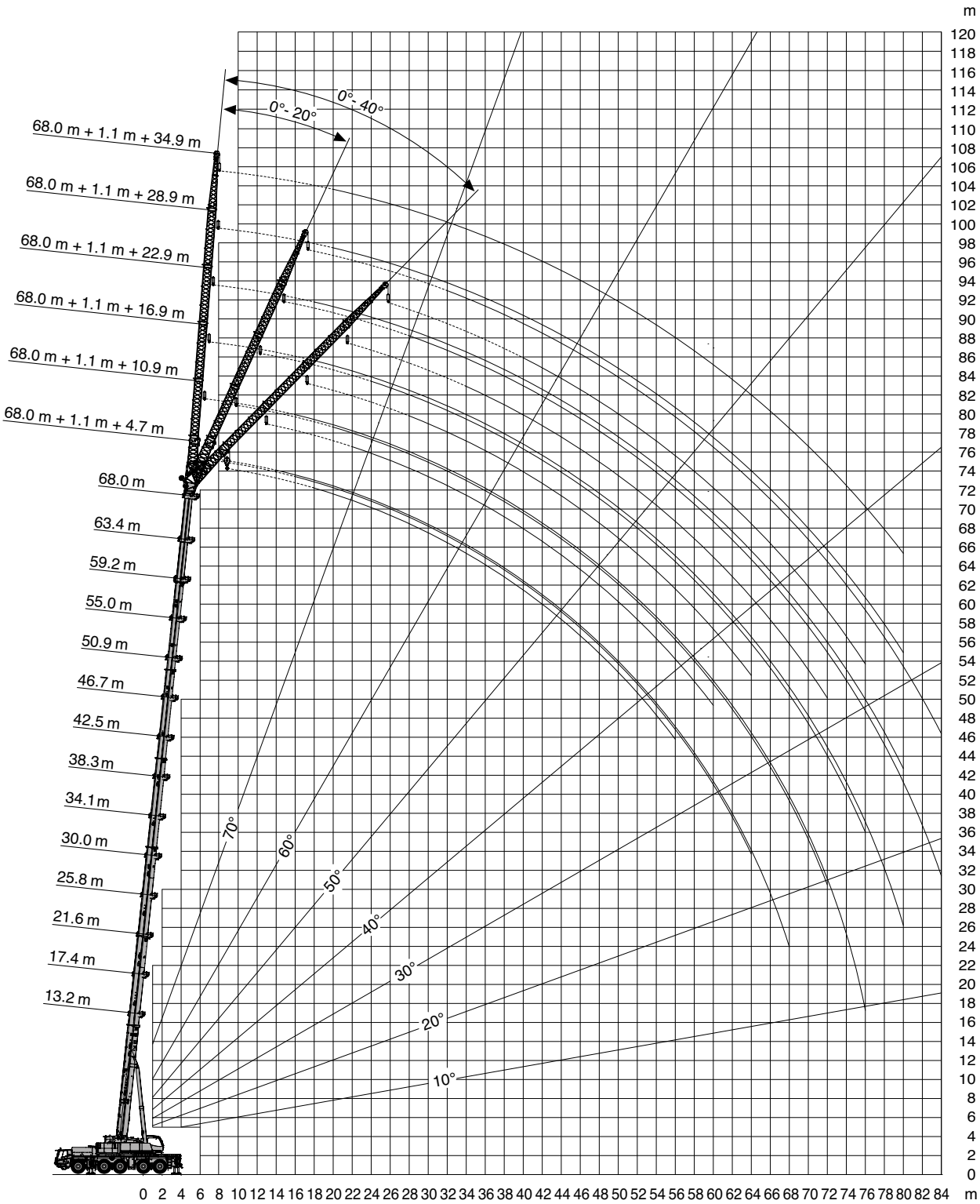
m	13.2 m*	13.2 m	17.4 m	21.6 m	25.8 m	30.0 m	34.1 m	38.3 m	42.5 m	46.7 m	50.9 m	55.0 m	59.2 m	63.4 m	68.0 m
2.5	220.0**														
3.0	180.0**	176.5**	140.0**	140.0**	114.4										
3.5	169.5**	160.0**	140.0**	140.0**	114.4	90.5									
4.0	160.0**	150.5**	140.0**	140.0**	111.1	90.5									
4.5	150.5**	138.0**	138.2**	136.9**	104.8	90.5	70.0								
5.0	135.5**	127.0	127.5	126.0	103.0	88.5	70.0	54.5							
6.0	112.5	109.0	109.7	108.2	103.0	79.8	70.0	54.5	43.5						
7.0	96.3	95.5	95.8	95.6	94.9	77.5	66.7	54.5	43.5	34.5					
8.0	83.6	83.6	84.0	84.4	83.1	77.5	61.2	54.5	43.5	34.5	28.5				
9.0	73.5	73.5	73.8	74.2	73.0	73.7	58.0	52.8	43.5	34.5	28.5	23.0			
10.0	65.4	65.4	66.3	66.0	66.2	65.5	58.0	49.0	42.7	34.5	28.5	23.0	18.8		
11.0			59.6	59.7	59.9	58.7	57.7	45.7	40.5	34.5	28.5	23.0	18.8	15.0	
12.0			54.0	54.6	54.2	53.1	54.0	43.4	39.3	33.6	28.5	23.0	18.8	15.0	13.8
14.0			45.2	45.8	45.4	45.8	45.2	40.5	36.0	31.5	27.7	23.0	18.8	15.0	13.8
16.0				39.2	39.6	39.2	38.6	38.0	32.5	29.2	25.5	22.8	18.8	15.0	13.8
18.0				34.1	34.4	34.0	33.4	34.1	29.4	26.8	23.6	21.2	18.7	15.0	13.8
20.0					30.3	29.9	30.6	30.0	26.8	24.8	21.9	20.0	17.4	15.0	13.8
22.0					26.8	26.8	27.1	26.3	24.6	22.9	20.4	18.7	16.5	14.9	13.8
24.0						24.3	23.8	23.0	22.3	21.2	19.1	17.5	15.5	14.0	13.2
26.0						21.6	21.1	20.3	19.6	19.4	17.8	16.4	14.7	13.3	12.4
28.0							18.8	18.0	17.3	18.0	16.8	15.5	13.9	12.6	11.5
30.0							16.9	16.1	16.3	16.1	15.3	14.6	13.1	11.9	10.7
32.0								14.7	15.1	14.4	13.7	13.8	12.5	11.3	10.1
34.0								14.2	13.7	13.0	12.7	12.8	11.9	10.8	9.4
36.0									12.4	11.7	12.1	11.9	11.4	10.2	8.9
38.0									11.3	11.1	11.4	10.8	10.9	9.8	8.3
40.0										10.7	10.4	10.0	10.0	9.3	7.9
42.0										9.9	9.5	9.5	9.1	8.9	7.4
44.0										8.4	8.7	8.9	8.3	8.3	7.0
46.0											8.1	8.2	7.8	7.6	6.6
48.0											7.8	7.5	7.4	6.9	6.2
50.0												6.9	6.8	6.3	5.9
52.0												6.4	6.3	5.7	5.5
54.0													5.8	5.2	5.2
56.0													5.3	4.8	4.7
58.0														4.4	4.3
60.0														4.0	3.9
62.0															3.5
64.0															3.2

** Over rear · Nach hinten · A l'arrière · Hacia atrás · Indietro · Назад*
*** With additional lifting equipment · Mit Zusatzhubausrüstung · Avec équipement de levage supplémentaire*
Con equipamiento de elevación adicional · Con attrezzaggio di sollevamento supplementare · С дополнительным подъемным оборудованием

Operation · Einsatz · Utilisation
Uso · Эксплуатация

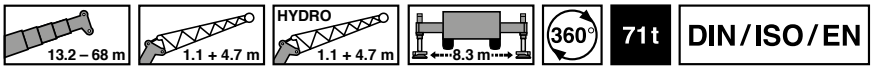
Working range · Arbeitsbereich · Rayon de travail
Zona de trabajo · Area di lavoro · Рабочая зона





Operation · Einsatz · Utilisation
Uso · Эксплуатация

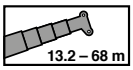
Lifting capacities · Traglasten · Charges de levage
Cargas · Portate · Грузоподъемность

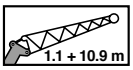


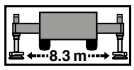
m	13.2 m + 1.1 m + 4.7 m			21.6 m + 1.1 m + 4.7 m			30.0 m + 1.1 m + 4.7 m			38.3 m + 1.1 m + 4.7 m			46.7 m + 1.1 m + 4.7 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	47.8			52.3											
3.5	45.2	30.5		50.1											
4.0	42.8	29.5		48.1											
4.5	40.8	28.6	22.7	46.2	30.9										
5.0	38.9	27.7	22.2	44.5	30.1		42.9								
6.0	35.6	26.2	21.5	41.4	28.8	22.8	42.9								
7.0	32.9	24.9	20.8	38.8	27.6	22.2	42.7	28.7		30.3					
8.0	30.6	23.8	20.2	36.5	26.5	21.6	40.5	27.8	22.2	30.3			19.8		
9.0	28.6	22.8	19.7	34.4	25.5	21.1	38.5	26.9	21.7	30.3	28.9		19.8		
10.0	26.9	21.9	19.3	32.6	24.7	20.6	36.6	26.2	21.3	30.3	28.1	21.7	19.8	17.0	
11.0	25.5	21.2	18.8	31.0	23.9	20.2	34.9	25.4	20.9	30.3	27.4	21.4	19.2	16.4	14.8
12.0	24.1	20.2	18.4	29.6	23.1	19.8	33.3	24.7	20.6	30.3	26.8	21.1	18.4	15.9	14.4
14.0	20.8	18.6		27.1	21.9	19.2	30.3	23.5	20.0	28.9	25.6	20.6	17.1	14.9	13.6
16.0	18.2			25.1	20.9	18.8	27.6	22.5	19.5	26.3	24.5	20.1	15.9	14.1	12.9
18.0				23.1	19.8	18.4	25.2	21.6	19.0	24.1	23.5	19.7	15.0	13.3	12.3
20.0				21.1	18.7	18.0	23.3	20.9	18.7	22.3	21.8	19.4	14.2	12.7	11.8
22.0				19.3	17.8		21.6	20.2	18.5	20.7	20.3	19.1	13.5	12.2	11.4
24.0				17.8			20.2	19.7	18.2	19.3	18.9	18.7	12.9	11.7	11.0
26.0							18.8	18.7	18.0	18.0	17.8	17.6	12.3	11.3	10.7
28.0							16.6	16.9		16.9	16.7	16.6	11.8	10.9	10.4
30.0							14.7	14.9		15.0	15.4	15.5	11.4	10.5	10.1
32.0							13.1			13.4	13.7	13.8	11.1	10.3	9.9
34.0										11.9	12.2		10.7	10.0	9.7
36.0										10.7	10.9		10.5	9.8	9.5
38.0										9.6	9.7		9.9	9.6	9.4
40.0										8.6			8.9	9.1	
42.0													8.0	8.2	
44.0													7.2	7.4	
46.0													6.5	6.6	
48.0													5.9		

m	50.9 m + 1.1 m + 4.7 m			55.0 m + 1.1 m + 4.7 m			59.2 m + 1.1 m + 4.7 m			63.4 m + 1.1 m + 4.7 m			68.0 m + 1.1 m + 4.7 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
10.0	17.8														
11.0	17.8	15.8		15.5											
12.0	17.2	15.3		15.5	14.0		12.9								
14.0	16.1	14.4	13.2	14.7	13.3	12.3	12.9	12.0		10.9	10.1		10.0		
16.0	15.2	13.6	12.6	13.9	12.6	11.7	12.3	11.4	10.8	10.3	9.6	9.2	9.4	8.8	
18.0	14.4	12.9	12.0	13.2	12.0	11.2	11.6	10.9	10.4	9.8	9.2	8.8	9.0	8.4	8.1
20.0	13.6	12.3	11.5	12.6	11.5	10.7	11.1	10.4	10.0	9.3	8.7	8.4	8.6	8.0	7.8
22.0	12.9	11.7	11.0	12.1	11.0	10.3	10.5	10.0	9.6	8.9	8.4	8.1	8.2	7.7	7.4
24.0	12.4	11.3	10.6	11.5	10.5	10.0	10.1	9.6	9.2	8.5	8.0	7.7	7.8	7.4	7.1
26.0	11.8	10.8	10.3	11.0	10.1	9.6	9.7	9.2	8.9	8.2	7.7	7.5	7.5	7.1	6.9
28.0	11.4	10.5	9.9	10.6	9.8	9.3	9.3	8.8	8.6	7.8	7.5	7.2	7.2	6.9	6.7
30.0	11.0	10.1	9.7	10.2	9.5	9.0	8.9	8.5	8.3	7.5	7.2	7.0	6.9	6.7	6.5
32.0	10.6	9.8	9.4	9.7	9.2	8.8	8.6	8.2	8.1	7.2	7.0	6.8	6.6	6.4	6.3
34.0	10.3	9.6	9.2	9.3	8.9	8.6	8.3	8.0	7.8	7.0	6.7	6.6	6.4	6.2	6.1
36.0	10.0	9.4	9.0	8.9	8.7	8.4	7.9	7.7	7.6	6.8	6.5	6.4	6.2	6.0	5.9
38.0	9.6	9.2	8.9	8.5	8.4	8.3	7.6	7.5	7.4	6.5	6.3	6.2	6.0	5.8	5.7
40.0	8.8	9.0	8.8	8.1	8.1	8.0	7.3	7.2	7.2	6.3	6.1	6.1	5.8	5.6	5.5
42.0	8.1	8.2		7.4	7.7	7.7	7.0	6.9	6.9	6.2	6.0	5.9	5.6	5.5	5.4
44.0	7.3	7.4		7.0	7.0	7.0	6.5	6.5	6.7	6.0	5.8	5.8	5.5	5.3	5.3
46.0	6.6	6.7		6.7	6.7		6.1	6.1	6.1	5.8	5.7	5.6	5.3	5.2	5.1
48.0	5.9	6.0		6.0	6.2		5.8	5.8	5.8	5.5	5.5	5.5	5.2	5.1	5.0
50.0	5.3	5.4		5.4	5.5		5.5	5.5		5.2	5.2	5.2	5.0	5.0	4.9
52.0	4.8			4.9	5.0		5.1	5.2		4.9	4.9	4.9	4.7	4.8	4.8
56.0				3.9			4.2	4.3		4.4	4.4		4.3	4.3	4.3
60.0							3.4			3.7	3.7		3.7	3.8	
64.0										3.0			3.0	3.0	
68.0													2.3		

Operation · Einsatz · Utilisation
Uso · Эксплуатация







71t **DIN/ISO/EN**

m	13.2 m + 1.1 m + 10.9 m			21.6 m + 1.1 m + 10.9 m			30.0 m + 1.1 m + 10.9 m			38.3 m + 1.1 m + 10.9 m			46.7 m + 1.1 m + 10.9 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	19.7			19.7											
3.5	19.6			19.7											
4.0	19.1			19.7											
4.5	18.6			19.7			19.7								
5.0	18.0			19.5			19.7								
6.0	17.0	14.1		18.7			19.1								
7.0	16.0	13.2		17.8	14.3		18.5			17.3					
8.0	15.1	12.4		17.0	13.5		17.8			16.9					
9.0	14.3	11.6	9.7	16.3	12.9		17.2	13.6		16.4			14.4		
10.0	13.5	11.0	9.3	15.5	12.3		16.5	13.1		16.0			14.4		
11.0	12.9	10.5	8.9	14.9	11.7	9.4	16.0	12.6		15.6	12.6		14.3		
12.0	12.3	10.0	8.6	14.3	11.2	9.2	15.4	12.1	9.5	15.2	12.3		14.0		
14.0	11.0	9.1	8.1	13.2	10.4	8.7	14.4	11.3	9.1	14.4	11.7	9.3	13.5	11.3	
16.0	9.8	8.4	7.7	12.3	9.7	8.3	13.5	10.6	8.7	13.6	11.1	9.0	13.0	10.8	9.1
18.0	8.8	7.9	7.4	11.4	9.1	8.0	12.7	10.0	8.4	13.0	10.5	8.7	12.3	10.2	8.9
20.0	8.0	7.5		10.4	8.6	7.7	12.0	9.5	8.1	12.4	10.0	8.4	11.6	9.7	8.6
22.0	7.4	7.2		9.6	8.2	7.5	11.4	9.0	7.9	11.8	9.6	8.2	11.0	9.2	8.4
24.0				8.9	7.8	7.3	10.7	8.6	7.7	11.3	9.2	8.0	10.4	8.8	8.1
26.0				8.3	7.5	7.2	10.0	8.3	7.5	10.9	8.8	7.8	9.9	8.5	7.8
28.0				7.8	7.3		9.4	8.0	7.4	10.4	8.5	7.6	9.5	8.1	7.6
30.0				7.4			8.9	7.7	7.3	10.0	8.3	7.5	9.1	7.9	7.3
32.0							8.4	7.5	7.2	9.5	8.0	7.4	8.7	7.6	7.1
34.0							8.0	7.3		9.0	7.8	7.3	8.4	7.4	6.9
36.0							7.6	7.2		8.7	7.6	7.2	8.1	7.1	6.8
38.0							7.4			8.3	7.5	7.2	7.8	7.0	6.6
40.0										8.0	7.3		7.6	6.8	6.5
42.0										7.7	7.2		7.4	6.6	6.4
44.0										7.5	7.2		7.2	6.5	6.3
46.0										7.1			7.1	6.4	
48.0													6.5	6.3	
50.0													5.9	6.1	
52.0													5.3	5.5	

m	50.9 m + 1.1 m + 10.9 m			55.0 m + 1.1 m + 10.9 m			59.2 m + 1.1 m + 10.9 m			63.4 m + 1.1 m + 10.9 m			68.0 m + 1.1 m + 10.9 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
10.0	13.1														
11.0	13.1			10.0											
12.0	13.1			10.0			8.8								
14.0	13.0	10.8		10.0			8.8			7.5					
16.0	12.2	10.3		10.0	9.6		8.8	8.8		7.5			6.6		
18.0	11.6	9.8	8.7	10.0	9.1		8.8	8.4		7.5	7.3		6.6		
20.0	11.0	9.3	8.4	10.0	8.7	7.9	8.8	8.0	7.4	7.5	7.0		6.6	6.5	
22.0	10.5	8.9	8.1	9.7	8.4	7.7	8.4	7.8	7.1	7.2	6.7	6.2	6.6	6.2	5.8
24.0	10.0	8.5	7.8	9.3	8.1	7.4	8.1	7.5	6.9	6.9	6.4	6.0	6.4	6.0	5.6
26.0	9.6	8.2	7.5	8.9	7.8	7.2	7.9	7.2	6.7	6.7	6.1	5.8	6.1	5.7	5.4
28.0	9.1	7.9	7.3	8.6	7.5	6.9	7.6	7.0	6.5	6.5	5.9	5.6	6.0	5.5	5.2
30.0	8.7	7.6	7.1	8.2	7.3	6.7	7.3	6.7	6.2	6.2	5.7	5.4	5.8	5.3	5.0
32.0	8.4	7.3	6.9	8.0	7.1	6.5	7.0	6.5	6.1	6.0	5.5	5.2	5.5	5.1	4.9
34.0	8.1	7.1	6.7	7.7	6.9	6.4	6.8	6.3	5.9	5.8	5.3	5.1	5.3	5.0	4.7
36.0	7.8	6.9	6.5	7.5	6.7	6.2	6.6	6.1	5.8	5.6	5.2	4.9	5.2	4.8	4.6
38.0	7.6	6.7	6.4	7.2	6.5	6.1	6.3	5.9	5.6	5.4	5.0	4.8	5.0	4.7	4.4
40.0	7.3	6.5	6.2	7.0	6.4	5.9	6.1	5.7	5.5	5.2	4.9	4.6	4.8	4.5	4.3
42.0	7.1	6.4	6.1	6.8	6.2	5.8	6.0	5.6	5.4	5.1	4.8	4.5	4.7	4.4	4.2
44.0	7.0	6.2	6.0	6.5	6.1	5.7	5.8	5.4	5.3	4.9	4.6	4.4	4.5	4.3	4.1
46.0	6.8	6.1	5.9	6.0	5.9	5.6	5.6	5.3	5.1	4.8	4.5	4.3	4.4	4.2	4.0
48.0	6.4	6.0	5.8	5.7	5.7	5.5	5.2	5.2	5.0	4.6	4.4	4.3	4.3	4.1	3.9
50.0	5.8	5.9		5.4	5.4	5.4	4.9	5.0	4.9	4.5	4.3	4.2	4.2	4.0	3.9
52.0	5.2	5.5		5.1	5.1		4.7	4.7	4.8	4.4	4.2	4.1	4.0	3.9	3.8
56.0	4.3	4.4		4.4	4.6		4.2	4.3		4.0	4.0	3.9	3.8	3.7	3.6
60.0	3.3			3.6	3.8		3.8	3.8		3.6	3.6		3.5	3.5	3.5
64.0				2.9			3.1	3.2		3.2	3.3		3.1	3.2	
68.0							2.5			2.7	2.8		2.6	2.7	
72.0										2.1			2.0	2.1	
76.0													1.5		

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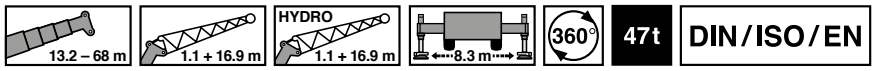

47t DIN/ISO/EN

m	13.2 m + 1.1 m + 16.9 m			21.6 m + 1.1 m + 16.9 m			30.0 m + 1.1 m + 16.9 m			38.3 m + 1.1 m + 16.9 m			46.7 m + 1.1 m + 16.9 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
3.0	17.6														
3.5	17.3														
4.0	17.0			15.0											
4.5	16.7			15.0											
5.0	16.3			15.0											
6.0	15.5			15.0			14.8								
7.0	14.8			15.0			14.8								
8.0	14.1			14.9			14.8			12.4					
9.0	13.5	11.1		14.3			14.5			12.4					
10.0	12.8	10.4		13.8			14.1			12.4			9.0		
11.0	12.3	9.7		13.3	10.7		13.7			12.4			9.0		
12.0	11.6	9.1		12.8	10.2		13.3	10.8		12.4			9.0		
14.0	10.0	8.1	6.8	12.0	9.2		12.5	9.9		12.0	10.1		9.0		
16.0	8.7	7.3	6.2	11.1	8.4	6.7	11.9	9.2		11.5	9.5		9.0	8.5	
18.0	7.7	6.7	5.8	9.9	7.7	6.2	11.2	8.6	6.5	11.0	8.9		9.0	8.1	
20.0	6.9	6.1	5.4	8.9	7.2	5.9	10.7	8.0	6.2	10.6	8.4	6.4	9.0	7.8	
22.0	6.3	5.7	5.1	8.1	6.7	5.6	9.8	7.5	5.9	10.1	7.9	6.2	9.0	7.4	6.2
24.0	5.7	5.3	4.8	7.4	6.2	5.3	8.9	7.0	5.7	9.8	7.5	5.9	8.5	7.1	6.0
26.0	5.2	4.9		6.8	5.9	5.1	8.2	6.6	5.5	9.3	7.1	5.7	8.1	6.8	5.8
28.0	4.8	4.7		6.3	5.5	4.9	7.7	6.2	5.3	8.6	6.8	5.5	7.8	6.6	5.6
30.0				5.9	5.2	4.8	7.1	5.9	5.1	8.1	6.6	5.4	7.5	6.4	5.5
32.0				5.5	5.0	4.6	6.7	5.6	4.9	7.6	6.3	5.2	7.2	6.2	5.4
34.0				5.1	4.8		6.3	5.4	4.8	7.2	6.0	5.1	6.9	6.0	5.2
36.0				4.8			5.9	5.2	4.7	6.8	5.8	4.9	6.7	5.8	5.1
38.0							5.6	5.0	4.6	6.6	5.5	4.8	6.5	5.6	5.0
40.0							5.3	4.8		6.3	5.3	4.7	6.2	5.5	4.9
42.0							5.0	4.7		6.1	5.1	4.7	6.0	5.3	4.8
44.0							4.8			5.8	5.0	4.6	5.6	5.2	4.7
46.0										5.4	4.8		5.3	5.0	4.7
48.0										5.2	4.7		4.8	4.8	4.6
50.0										4.9	4.6		4.5	4.7	4.5
52.0										4.7			4.3	4.2	
56.0													3.6	3.8	
60.0													3.3		

m	50.9 m + 1.1 m + 16.9 m			55.0 m + 1.1 m + 16.9 m			59.2 m + 1.1 m + 16.9 m			63.4 m + 1.1 m + 16.9 m			68.0 m + 1.1 m + 16.9 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
11.0	8.3														
12.0	8.3			7.4											
14.0	8.3			7.4			6.5								
16.0	8.3			7.4			6.5			5.6					
18.0	8.3	7.8		7.4			6.5			5.6			5.1		
20.0	8.3	7.4		7.4	7.0		6.5	6.5		5.6			5.1		
22.0	8.3	7.1		7.4	6.7		6.5	6.3		5.6	5.5		5.1		
24.0	8.1	6.8	6.0	7.4	6.5	5.8	6.5	6.0		5.6	5.2		5.1	4.9	
26.0	7.8	6.6	5.9	7.3	6.2	5.6	6.5	5.8	5.3	5.6	5.0		5.1	4.7	
28.0	7.5	6.3	5.7	7.0	6.0	5.4	6.3	5.6	5.1	5.4	4.9	4.5	5.0	4.6	4.2
30.0	7.2	6.1	5.5	6.8	5.8	5.3	6.0	5.4	5.0	5.2	4.7	4.3	4.8	4.4	4.1
32.0	6.9	5.9	5.4	6.5	5.6	5.1	5.9	5.2	4.8	5.0	4.5	4.2	4.6	4.2	3.9
34.0	6.6	5.7	5.2	6.3	5.4	5.0	5.7	5.1	4.7	4.9	4.4	4.1	4.6	4.1	3.8
36.0	6.4	5.6	5.1	6.1	5.3	4.9	5.5	4.9	4.6	4.7	4.2	3.9	4.4	4.0	3.7
38.0	6.2	5.4	5.0	5.9	5.1	4.7	5.3	4.8	4.5	4.6	4.1	3.8	4.2	3.8	3.6
40.0	6.0	5.3	4.9	5.7	5.0	4.6	5.2	4.6	4.4	4.4	4.0	3.7	4.1	3.7	3.5
42.0	5.7	5.1	4.7	5.4	4.9	4.5	5.0	4.5	4.2	4.3	3.8	3.6	4.0	3.6	3.4
44.0	5.4	5.0	4.6	5.0	4.8	4.4	4.9	4.4	4.1	4.1	3.7	3.5	3.8	3.5	3.3
46.0	4.9	4.8	4.6	4.8	4.6	4.3	4.4	4.3	4.0	4.0	3.6	3.5	3.7	3.4	3.2
48.0	4.7	4.7	4.5	4.4	4.3	4.3	4.0	4.2	4.0	3.9	3.5	3.4	3.6	3.3	3.1
50.0	4.4	4.3	4.3	3.9	4.2	4.2	3.8	4.0	3.9	3.6	3.4	3.3	3.4	3.2	3.0
52.0	3.9	4.2	4.1	3.8	3.9	4.0	3.7	3.5	3.8	3.1	3.4	3.2	3.0	3.1	3.0
56.0	3.5	3.5		3.3	3.4	3.3	2.9	3.3	3.2	2.4	2.8	3.1	2.2	2.7	2.9
60.0	3.1	3.1		2.7	2.9		2.2	2.6	2.8	1.7	2.1	2.4	1.6	2.0	2.3
64.0	2.5			2.1	2.3		1.7	1.9		1.1	1.5	1.7		1.4	1.6
68.0				1.6			1.2	1.4							

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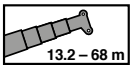

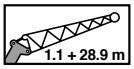

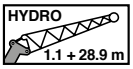

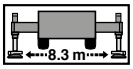

71t **DIN/ISO/EN**

m	13.2 m + 1.1 m + 28.9 m			21.6 m + 1.1 m + 28.9 m			30.0 m + 1.1 m + 28.9 m			38.3 m + 1.1 m + 28.9 m			46.7 m + 1.1 m + 28.9 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
5.0	6.5														
6.0	6.5			6.2											
7.0	6.5			6.2											
8.0	6.5			6.2			6.2								
9.0	6.5			6.2			6.2								
10.0	6.5			6.2			6.2								
11.0	6.4			6.2			6.2			5.4					
12.0	6.2			6.2			6.2			5.4					
14.0	5.8			6.0			6.1			5.4			4.6		
16.0	5.4	4.9		5.7			5.8			5.4			4.6		
18.0	5.0	4.5		5.4	4.7		5.6			5.3			4.6		
20.0	4.7	4.2		5.1	4.4		5.3	4.5		5.2			4.6		
22.0	4.4	3.9		4.8	4.1		5.1	4.3		5.0	4.2		4.6		
24.0	4.1	3.6	3.1	4.6	3.9		4.9	4.1		4.8	4.0		4.5	3.9	
26.0	3.8	3.3	2.9	4.3	3.7	3.0	4.6	3.9		4.6	3.9		4.4	3.8	
28.0	3.4	3.0	2.7	4.1	3.5	2.9	4.4	3.7	3.0	4.5	3.7		4.3	3.6	
30.0	3.1	2.8	2.5	3.9	3.2	2.7	4.2	3.6	2.8	4.3	3.6	2.9	4.2	3.5	
32.0	2.9	2.6	2.4	3.7	3.0	2.6	4.1	3.4	2.7	4.2	3.5	2.8	4.0	3.4	2.8
34.0	2.6	2.4	2.3	3.4	2.9	2.5	3.9	3.2	2.6	4.0	3.3	2.7	3.9	3.3	2.7
36.0	2.4	2.3	2.2	3.1	2.7	2.4	3.7	3.0	2.5	3.9	3.2	2.6	3.8	3.2	2.6
38.0	2.3	2.2		2.9	2.5	2.3	3.5	2.9	2.4	3.7	3.1	2.5	3.7	3.1	2.6
40.0	2.1	2.0		2.7	2.4	2.2	3.3	2.7	2.3	3.6	3.0	2.4	3.6	3.0	2.5
42.0				2.5	2.3	2.1	3.1	2.6	2.3	3.5	2.8	2.4	3.5	2.9	2.4
44.0				2.4	2.2	2.1	2.9	2.5	2.2	3.4	2.7	2.3	3.4	2.9	2.4
46.0				2.2	2.1		2.7	2.4	2.1	3.2	2.6	2.2	3.3	2.8	2.3
48.0				2.1			2.6	2.3	2.1	3.0	2.5	2.2	3.2	2.7	2.3
50.0							2.4	2.2	2.0	2.9	2.4	2.1	3.1	2.6	2.2
52.0							2.3	2.1		2.7	2.3	2.1	3.1	2.5	2.2
56.0							2.1			2.5	2.2	2.0	2.8	2.4	2.1
60.0										2.3	2.1		2.6	2.2	2.0
64.0										2.1			2.4	2.1	
68.0													2.2	2.0	
72.0													2.0		

m	50.9 m + 1.1 m + 28.9 m			55.0 m + 1.1 m + 28.9 m			59.2 m + 1.1 m + 28.9 m			63.4 m + 1.1 m + 28.9 m			68.0 m + 1.1 m + 28.9 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
16.0	4.4														
18.0	4.4			4.1											
20.0	4.4			4.1			3.8			3.3			3.1		
22.0	4.4			4.1			3.8			3.3			3.1		
24.0	4.4	3.9		4.1			3.8			3.3			3.1		
26.0	4.3	3.7		4.1	3.6		3.8			3.3			3.1		
28.0	4.2	3.6		4.0	3.5		3.8	3.4		3.3			3.1		
30.0	4.1	3.5		3.9	3.4		3.7	3.3		3.3	3.1		3.1		
32.0	4.0	3.4		3.8	3.3		3.6	3.2		3.3	3.0		3.1	2.9	
34.0	3.9	3.3	2.7	3.7	3.2		3.6	3.1		3.3	3.0		3.1	2.8	
36.0	3.8	3.2	2.7	3.7	3.1	2.7	3.5	3.1	2.6	3.3	2.9		3.1	2.7	
38.0	3.7	3.1	2.6	3.6	3.1	2.6	3.4	3.0	2.6	3.2	2.8	2.5	3.0	2.6	
40.0	3.6	3.0	2.5	3.5	3.0	2.5	3.4	2.9	2.5	3.1	2.7	2.4	2.9	2.5	2.3
42.0	3.5	2.9	2.4	3.4	2.9	2.5	3.3	2.9	2.5	3.0	2.6	2.4	2.8	2.4	2.2
44.0	3.4	2.9	2.4	3.4	2.8	2.4	3.2	2.8	2.4	2.9	2.5	2.3	2.7	2.4	2.2
46.0	3.3	2.8	2.3	3.3	2.8	2.3	3.2	2.7	2.4	2.8	2.4	2.2	2.5	2.3	2.1
48.0	3.2	2.7	2.3	3.2	2.7	2.3	3.1	2.7	2.3	2.7	2.3	2.2	2.4	2.2	2.0
50.0	3.2	2.7	2.2	3.1	2.7	2.2	3.0	2.6	2.3	2.6	2.3	2.1	2.4	2.1	2.0
52.0	3.1	2.6	2.2	3.1	2.6	2.2	3.0	2.6	2.2	2.5	2.2	2.0	2.3	2.0	1.9
56.0	2.9	2.4	2.1	2.9	2.5	2.1	2.8	2.5	2.1	2.3	2.1	1.9	2.2	1.9	1.8
60.0	2.7	2.3	2.0	2.8	2.3	2.1	2.7	2.3	2.1	2.2	1.9	1.8	2.0	1.8	1.7
64.0	2.5	2.2	2.0	2.6	2.2	2.0	2.5	2.2	2.0	2.0	1.8	1.7	1.9	1.7	1.6
68.0	2.3	2.1		2.5	2.1	2.0	2.3	2.1	2.0	1.9	1.7	1.6	1.8	1.6	1.5
72.0	2.2	2.0		2.2	2.0		2.0	2.0	1.9	1.7	1.6	1.5	1.7	1.5	1.4
76.0	1.8			1.7	2.0		1.8	1.9		1.6	1.5	1.4	1.5	1.4	1.3
80.0				1.3			1.3	1.6		1.4	1.4		1.3	1.3	
84.0										1.0	1.3			1.2	

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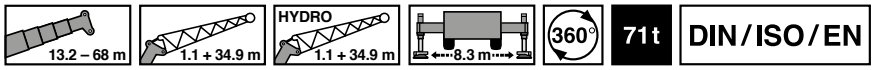
Uso · Эксплуатация

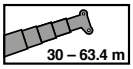


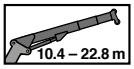
m	13.2 m + 1.1 m + 34.9 m			21.6 m + 1.1 m + 34.9 m			30.0 m + 1.1 m + 34.9 m			38.3 m + 1.1 m + 34.9 m			46.7 m + 1.1 m + 34.9 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
6.0	4.7														
7.0	4.7			4.5											
8.0	4.7			4.5											
9.0	4.7			4.5											
10.0	4.7			4.5			4.5								
11.0	4.7			4.5			4.5								
12.0	4.5			4.5			4.5			4.0					
14.0	4.3			4.4			4.4			4.0					
16.0	4.0			4.1			4.2			3.9					
18.0	3.8			3.9			4.0			3.8			3.5		
20.0	3.6	3.3		3.7	3.3		3.8			3.7			3.4		
22.0	3.4	3.1		3.6	3.1		3.7	3.2		3.5			3.3		
24.0	3.2	2.9		3.4	3.0		3.5	3.0		3.4	2.9		3.2		
26.0	3.0	2.7		3.2	2.8		3.4	2.9		3.3	2.8		3.1	2.7	
28.0	2.8	2.6		3.1	2.7		3.2	2.7		3.2	2.7		3.0	2.6	
30.0	2.7	2.4	2.1	2.9	2.6	2.1	3.1	2.6		3.1	2.6		2.9	2.5	
32.0	2.5	2.2	1.9	2.8	2.5	2.0	3.0	2.5	2.1	3.0	2.5		2.8	2.4	
34.0	2.2	2.0	1.8	2.7	2.3	1.9	2.9	2.4	2.0	2.9	2.4	2.0	2.8	2.3	
36.0	2.1	1.9	1.7	2.6	2.2	1.8	2.7	2.3	1.9	2.8	2.3	1.9	2.7	2.3	
38.0	1.9	1.7	1.6	2.4	2.0	1.7	2.6	2.2	1.8	2.7	2.3	1.9	2.6	2.2	1.9
40.0	1.7	1.6	1.5	2.2	1.9	1.6	2.5	2.1	1.7	2.6	2.2	1.8	2.5	2.1	1.8
42.0	1.6	1.5	1.4	2.1	1.8	1.6	2.4	2.0	1.7	2.5	2.1	1.7	2.5	2.1	1.8
44.0	1.5	1.4		1.9	1.7	1.5	2.3	1.9	1.6	2.4	2.1	1.7	2.4	2.0	1.7
46.0	1.3	1.3		1.8	1.6	1.4	2.2	1.8	1.5	2.4	2.0	1.6	2.3	2.0	1.7
48.0				1.7	1.5	1.4	2.1	1.7	1.5	2.3	1.9	1.6	2.3	1.9	1.6
50.0				1.5	1.4	1.3	1.9	1.6	1.4	2.2	1.8	1.5	2.2	1.9	1.6
52.0				1.4	1.4		1.8	1.6	1.4	2.1	1.7	1.5	2.2	1.8	1.5
56.0							1.6	1.4	1.3	1.9	1.6	1.4	2.0	1.7	1.4
60.0							1.4	1.3		1.7	1.5	1.3	2.0	1.6	1.4
64.0										1.5	1.4		1.8	1.5	1.3
68.0										1.4	1.3		1.6	1.4	1.3
72.0													1.5	1.3	
76.0													1.4	1.3	

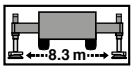
m	50.9 m + 1.1 m + 34.9 m			55.0 m + 1.1 m + 34.9 m			59.2 m + 1.1 m + 34.9 m			63.4 m + 1.1 m + 34.9 m			68.0 m + 1.1 m + 34.9 m		
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°
20.0	3.3			3.1			2.9			2.6			2.4		
22.0	3.2			3.0			2.8			2.6			2.4		
24.0	3.1			3.0			2.8			2.5			2.4		
26.0	3.0			2.9			2.7			2.5			2.3		
28.0	2.9	2.5		2.8			2.6			2.4			2.3		
30.0	2.9	2.4		2.7	2.4		2.6			2.4			2.2		
32.0	2.8	2.4		2.7	2.3		2.5	2.2		2.3			2.2		
34.0	2.7	2.3		2.6	2.2		2.5	2.2		2.3	2.0		2.2		
36.0	2.6	2.2		2.6	2.2		2.4	2.1		2.3	2.0		2.1		
38.0	2.6	2.2		2.5	2.1		2.4	2.0		2.2	1.9		2.1		
40.0	2.5	2.1	1.8	2.4	2.1	1.8	2.3	2.0		2.2	1.9		2.1		
42.0	2.4	2.1	1.8	2.4	2.0	1.8	2.3	1.9	1.8	2.1	1.8		2.0		
44.0	2.4	2.0	1.7	2.3	2.0	1.7	2.2	1.9	1.7	2.1	1.8		2.0		
46.0	2.3	2.0	1.7	2.3	1.9	1.7	2.2	1.9	1.7	2.0	1.8		1.9		
48.0	2.3	1.9	1.6	2.2	1.9	1.6	2.1	1.8	1.6	2.0	1.7		1.9		
50.0	2.2	1.9	1.6	2.2	1.8	1.6	2.1	1.8	1.6	2.0	1.7		1.9		
52.0	2.1	1.8	1.5	2.1	1.8	1.5	2.0	1.7	1.5	1.9	1.7		1.8		
56.0	2.0	1.7	1.5	2.0	1.7	1.5	1.9	1.7	1.5	1.8	1.6		1.7		
60.0	2.0	1.6	1.4	1.9	1.7	1.4	1.9	1.6	1.4	1.7	1.5		1.6		
64.0	1.9	1.5	1.3	1.8	1.6	1.4	1.8	1.6	1.4	1.6	1.4		1.5		
68.0	1.7	1.4	1.3	1.8	1.5	1.3	1.7	1.5	1.3	1.5	1.3		1.3		
72.0	1.6	1.4	1.3	1.7	1.4	1.3	1.7	1.4	1.3	1.3	1.2		1.2		
76.0	1.5	1.3		1.6	1.3		1.5	1.4	1.3	1.1	1.0		1.1		
80.0	1.3	1.3		1.3	1.3		1.3	1.3		1.0			1.0		
84.0					1.2		1.0	1.2							

Operation · Einsatz · Utilisation
Uso · Эксплуатация

Working range · Arbeitsbereich · Rayon de travail
Zona de trabajo · Area di lavoro · Рабочая зона







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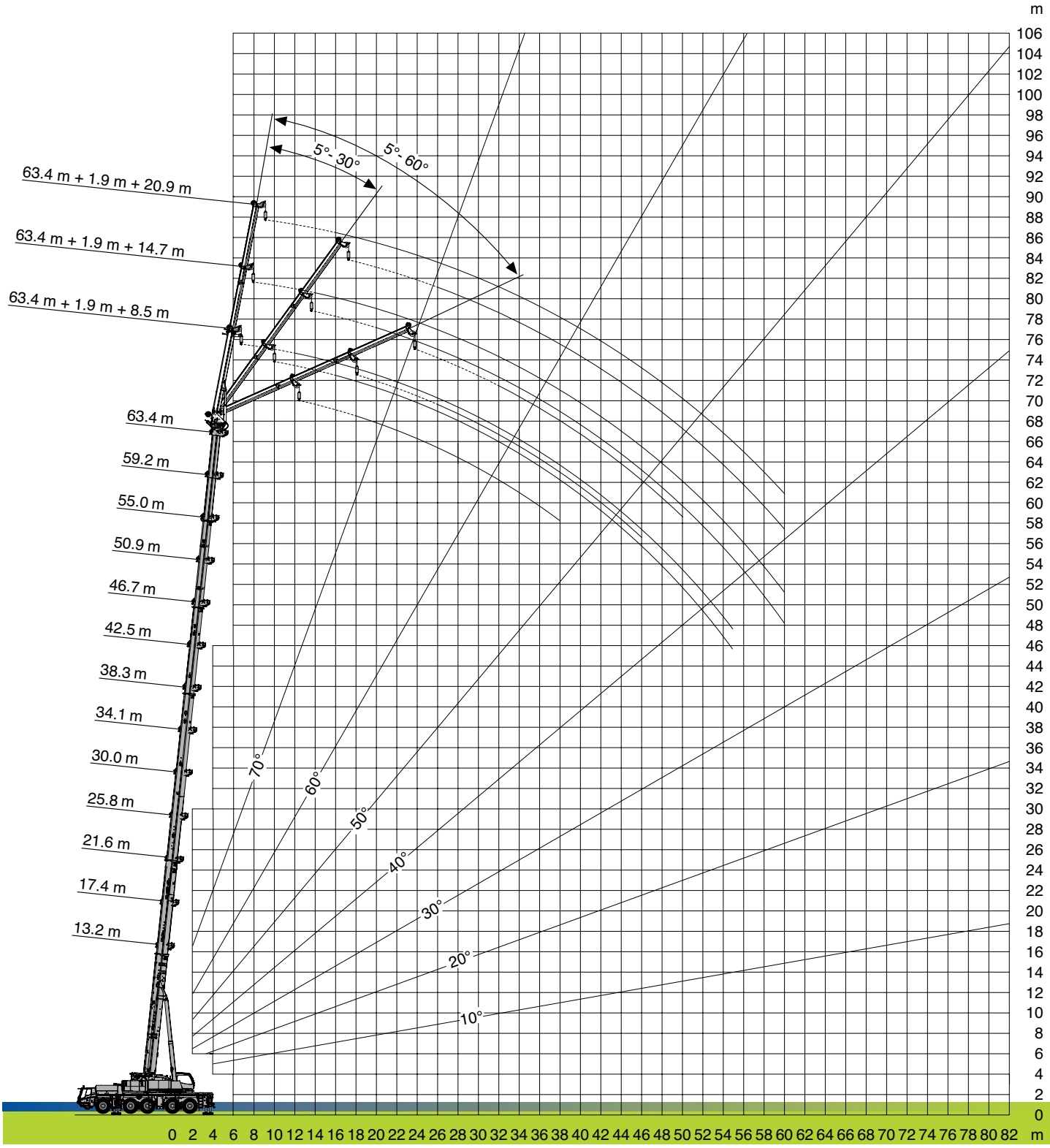
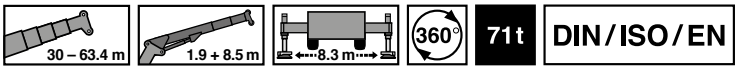


Operation · Einsatz · Utilisation
Uso · Эксплуатация

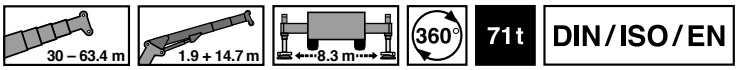
Lifting capacities · Traglasten · Charges de levage
Cargas · Portate · Грузоподъемность



m	30.0 m + 1.9 m + 8.5 m			38.3 m + 1.9 m + 8.5 m			42.5 m + 1.9 m + 8.5 m			46.7 m + 1.9 m + 8.5 m		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
5.0	30.0											
6.0	28.1			23.4								
7.0	26.1			25.0			21.3					
8.0	24.4			25.0			21.3			17.5		
9.0	22.8	15.9		25.0			21.3			17.5		
10.0	21.5	15.4		24.7	16.1		21.3			17.5		
11.0	20.3	15.0	12.4	23.4	15.7		21.3	15.9		17.5		
12.0	19.2	14.6	12.3	22.2	15.3	12.4	21.0	15.6		17.5	15.8	
14.0	17.3	13.9	12.1	20.2	14.6	12.2	19.5	14.9	12.3	16.9	15.2	12.3
16.0	15.8	13.2	12.0	18.4	14.0	12.1	18.1	14.3	12.1	15.5	14.6	12.2
18.0	14.5	12.7	11.9	17.0	13.5	12.0	16.7	13.8	12.0	14.3	13.7	11.9
20.0	13.4	12.2	11.9	15.7	13.0	11.9	15.4	13.3	11.9	13.2	12.7	11.8
22.0	12.4	11.8		14.6	12.6	11.9	14.3	12.9	11.9	12.3	11.8	11.7
24.0	11.6	11.5		13.7	12.2	11.9	13.2	12.5	11.7	11.4	11.1	11.0
26.0	10.9	11.2		12.9	11.8		12.3	12.1	11.7	10.6	10.3	10.4
28.0	10.3	11.0		12.1	11.5		11.5	11.3		9.8	9.7	9.7
30.0	9.7	10.8		11.3	11.3		10.7	10.6		9.1	9.1	
32.0	9.2	10.8		9.7	10.4		10.0	9.9		8.5	8.5	
34.0	8.8			8.9	8.9		8.6	9.1		7.9	7.9	
36.0	8.4			7.9	8.2		7.3	7.8		7.4	7.4	
38.0				6.8	7.1		6.5	6.6		6.4	6.8	
40.0				5.9	6.1		5.9	6.0		5.4	5.8	
42.0				5.0			5.2	5.4		4.8	4.9	
44.0				4.4			4.4	4.5		4.3	4.4	
46.0				2.1			3.7			3.9	4.0	
48.0							3.0			3.3		
50.0							2.6			2.7		

m	50.9 m + 1.9 m + 8.5 m			55.0 m + 1.9 m + 8.5 m			59.2 m + 1.9 m + 8.5 m			63.4 m + 1.9 m + 8.5 m		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
9.0	13.8			10.2								
10.0	13.8			11.5			8.5					
11.0	13.8			11.5			9.6					
12.0	13.8			11.5			9.6			7.0		
14.0	13.8	13.3		11.5	11.4		9.0	8.3		7.0		
16.0	13.4	12.5	12.1	11.2	10.6	10.4	8.4	7.7		6.8	6.3	
18.0	12.3	11.7	11.4	10.5	9.9	9.7	8.1	7.3	7.0	6.3	5.9	5.6
20.0	11.4	11.0	10.8	9.8	9.3	9.1	7.5	6.9	6.6	6.0	5.5	5.3
22.0	10.5	10.3	10.2	9.2	8.7	8.6	7.1	6.6	6.3	5.6	5.1	5.0
24.0	9.8	9.6	9.6	8.5	8.2	8.1	6.6	6.2	6.0	5.3	4.8	4.7
26.0	9.1	8.9	8.9	7.9	7.7	7.6	6.2	5.8	5.7	4.9	4.6	4.4
28.0	8.5	8.3	8.3	7.3	7.2	7.2	5.9	5.5	5.4	4.6	4.3	4.2
30.0	7.9	7.8	7.8	6.8	6.7	6.8	5.5	5.2	5.2	4.3	4.1	4.0
32.0	7.4	7.3		6.3	6.3	6.3	5.2	4.9	4.9	4.0	3.9	3.8
34.0	6.9	6.8		5.9	5.9	5.9	4.9	4.7	4.7	3.8	3.6	3.6
36.0	6.4	6.4		5.5	5.5		4.7	4.4	4.4	3.6	3.4	3.4
38.0	6.0	6.0		5.1	5.1		4.4	4.2		3.3	3.2	3.2
40.0	5.2	5.6		4.8	4.8		4.1	4.0		3.1	3.0	
42.0	4.8	4.8		4.1	4.5		3.8	3.8		3.0	2.8	
44.0	4.1	4.4		3.8	3.8		3.3	3.6		2.8	2.7	
46.0	3.4	3.6		3.5	3.5		3.0	3.1		2.4	2.5	
48.0	3.0	3.1		3.0	3.2		2.8	2.8		2.3	2.2	
50.0	2.3	2.8		2.4	2.6		2.5	2.6		2.1	2.1	
55.0	1.6			1.4	1.4		1.4	1.5		1.6	1.7	

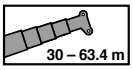
Operation · Einsatz · Utilisation
Uso · Эксплуатация

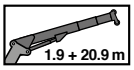


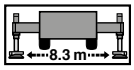
m	30.0 m + 1.9 m + 14.7 m			38.3 m + 1.9 m + 14.7 m			42.5 m + 1.9 m + 14.7 m			46.7 m + 1.9 m + 14.7 m		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
7.0	13.9											
8.0	13.9			13.9								
9.0	13.9			13.9			13.9			10.2		
10.0	13.9			13.9			13.9			12.0		
11.0	13.9			13.9			13.9			12.0		
12.0	13.4	9.3		13.9			13.8			12.0		
14.0	12.0	8.8		13.6	9.1		13.1			12.0		
16.0	10.8	8.3		12.3	8.6		12.4	8.8		12.0	8.9	
18.0	9.8	7.8	6.5	11.2	8.2	6.6	11.9	8.4		11.5	8.5	
20.0	8.9	7.5	6.4	10.3	7.9	6.5	10.9	8.0	6.5	11.2	8.2	6.4
22.0	8.2	7.1	6.3	9.5	7.5	6.4	10.1	7.7	6.4	10.7	7.9	6.5
24.0	7.6	6.8	6.3	8.8	7.2	6.3	9.3	7.4	6.4	9.9	7.6	6.4
26.0	7.0	6.6	6.3	8.1	7.0	6.3	8.7	7.2	6.3	9.2	7.3	6.3
28.0	6.5	6.3		7.6	6.7	6.3	8.1	6.9	6.3	8.6	7.1	6.3
30.0	6.1	6.1		7.1	6.5	6.2	7.6	6.7	6.2	8.1	6.9	6.3
32.0	5.7	6.0		6.7	6.3	6.2	7.2	6.5	6.2	7.6	6.7	6.2
34.0	5.4	5.8		6.3	6.1		6.8	6.3	6.2	7.2	6.5	6.2
36.0	5.1	5.7		6.0	6.0		6.4	6.2		6.8	6.3	6.2
38.0	4.8	5.7		5.7	5.9		6.1	6.0		6.5	6.1	
40.0	4.6			5.4	5.8		5.8	5.9		6.2	6.0	
42.0	4.4			5.1	5.7		5.5	5.8		5.8	5.9	
44.0				4.9	5.6		5.2	5.5		5.0	5.6	
46.0				4.7	5.1		4.8	4.9		4.2	4.8	
48.0				4.2			4.2	4.5		3.8	4.1	
50.0				3.6			3.6	3.8		3.5	3.6	
55.0							2.3			2.4	1.6	
60.0										1.1		

m	50.9 m + 1.9 m + 14.7 m			55.0 m + 1.9 m + 14.7 m			59.2 m + 1.9 m + 14.7 m			63.4 m + 1.9 m + 14.7 m		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
10.0	8.8											
11.0	10.1			6.9								
12.0	10.1			6.9			5.7					
14.0	10.1			6.9			6.5			5.4		
16.0	10.1			6.9			6.5			5.4		
18.0	10.1	8.5		6.9	6.9		6.5			5.4		
20.0	10.0	8.2		6.9	6.9		6.3	5.5		5.2	4.6	
22.0	9.4	7.9	6.5	6.9	6.9		5.9	5.2		4.8	4.3	
24.0	9.1	7.7	6.4	6.9	6.9	6.4	5.7	5.0	4.7	4.5	4.1	
26.0	8.5	7.4	6.4	6.9	6.7	6.3	5.4	4.8	4.5	4.3	3.9	3.7
28.0	7.9	7.2	6.3	6.7	6.3	6.2	5.1	4.5	4.3	4.0	3.6	3.5
30.0	7.4	7.0	6.3	6.3	6.0	5.9	4.8	4.3	4.2	3.8	3.5	3.3
32.0	7.0	6.8	6.1	6.0	5.7	5.6	4.5	4.1	4.0	3.6	3.3	3.2
34.0	6.5	6.4	6.1	5.6	5.4	5.4	4.3	3.9	3.8	3.4	3.1	3.0
36.0	6.1	6.1	6.1	5.2	5.1	5.1	4.1	3.8	3.7	3.2	2.9	2.8
38.0	5.8	5.7	5.8	4.9	4.9	4.9	3.9	3.6	3.5	3.0	2.8	2.7
40.0	5.4	5.4		4.6	4.6	4.6	3.7	3.4	3.4	2.8	2.6	2.6
42.0	5.1	5.1		4.3	4.3		3.5	3.3	3.3	2.7	2.5	2.4
44.0	4.8	4.8		4.0	4.0		3.3	3.1		2.5	2.4	2.3
46.0	4.2	4.5		3.5	3.8		3.2	3.0		2.4	2.3	2.2
48.0	3.8	4.0		3.3	3.6		2.8	2.8		2.2	2.1	
50.0	3.2	3.6		3.0	3.1		2.6	2.7		2.1	2.0	
55.0	2.3	2.4		2.1	2.5		2.1	2.2		1.6	1.6	
60.0	1.4			1.2	1.3		1.3	1.6		1.4	1.3	

Operation · Einsatz · Utilisation
Uso · Эксплуатация







71t **DIN/ISO/EN**

m	30.0 m + 1.9 m + 20.9 m			38.3 m + 1.9 m + 20.9 m			42.5 m + 1.9 m + 20.9 m			46.7 m + 1.9 m + 20.9 m		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
8.0	5.6											
9.0	5.6			5.6								
10.0	5.6			5.6			5.6					
11.0	5.6			5.6			5.6			5.6		
12.0	5.6			5.6			5.6			5.6		
14.0	5.6			5.6			5.6			5.6		
16.0	5.6			5.6			5.6			5.6		
18.0	5.6	5.6		5.6			5.6			5.6		
20.0	5.6	5.6		5.6	5.6		5.6	5.6		5.6		
22.0	5.6	5.3		5.6	5.5		5.6	5.5		5.6	5.4	
24.0	5.6	5.0	4.0	5.6	5.3		5.6	5.3		5.6	5.2	
26.0	5.4	4.8	3.9	5.6	5.1	3.9	5.6	5.1	3.9	5.6	5.1	
28.0	5.0	4.6	3.9	5.6	4.9	3.8	5.6	4.9	3.9	5.6	4.9	3.9
30.0	4.7	4.4	3.8	5.4	4.7	3.8	5.6	4.8	3.8	5.6	4.7	3.8
32.0	4.3	4.2	3.8	5.1	4.5	3.8	5.4	4.6	3.8	5.6	4.6	3.8
34.0	4.1	4.1	3.7	4.8	4.3	3.7	5.1	4.5	3.7	5.4	4.5	3.7
36.0	3.8	3.9		4.5	4.2	3.7	4.8	4.3	3.7	5.1	4.4	3.7
38.0	3.6	3.8		4.2	4.1	3.7	4.5	4.2	3.7	4.8	4.3	3.7
40.0	3.4	3.7		4.0	3.9		4.3	4.1	3.7	4.6	4.2	3.7
42.0	3.2	3.6		3.8	3.8		4.0	4.0		4.3	4.1	3.7
44.0	3.0	3.6		3.6	3.7		3.8	3.9		4.1	4.0	
46.0	2.8	3.6		3.4	3.7		3.6	3.8		3.9	3.9	
48.0	2.7			3.2	3.6		3.5	3.7		3.7	3.8	
50.0	2.6			3.1	3.6		3.3	3.6		3.6	3.7	
55.0				2.7			3.0	3.5		3.0	3.2	
60.0							2.2			2.3	2.5	

m	50.9 m + 1.9 m + 20.9 m			55.0 m + 1.9 m + 20.9 m			59.2 m + 1.9 m + 20.9 m			63.4 m + 1.9 m + 20.9 m		
	5°	30°	60°	5°	30°	60°	5°	30°	60°	5°	30°	60°
12.0	5.6											
14.0	5.6			5.6			4.2					
16.0	5.6			5.6			5.0			4.2		
18.0	5.6			5.6			5.0			4.2		
20.0	5.6			5.6			5.0			4.2		
22.0	5.6	5.3		5.6			5.0			4.2		
24.0	5.6	5.1		5.6	5.0		4.8	4.2		4.0		
26.0	5.6	5.0		5.6	4.8		4.6	4.0		3.8	3.3	
28.0	5.6	4.8	3.9	5.6	4.7		4.3	3.8		3.6	3.1	
30.0	5.6	4.7	3.8	5.5	4.6	3.9	4.2	3.6		3.3	3.0	
32.0	5.6	4.5	3.8	5.3	4.4	3.8	4.0	3.5	3.3	3.2	2.8	2.7
34.0	5.6	4.4	3.8	5.2	4.3	3.8	3.8	3.3	3.2	3.0	2.7	2.6
36.0	5.4	4.3	3.7	4.9	4.2	3.7	3.6	3.2	3.1	2.8	2.6	2.4
38.0	5.1	4.2	3.7	4.7	4.1	3.7	3.4	3.0	3.0	2.7	2.4	2.3
40.0	4.8	4.1	3.7	4.4	4.0	3.7	3.3	2.9	2.9	2.5	2.3	2.2
42.0	4.6	4.0	3.7	4.2	3.9	3.7	3.1	2.8	2.7	2.4	2.2	2.1
44.0	4.3	3.9	3.7	3.9	3.8	3.7	2.9	2.7	2.6	2.3	2.0	2.0
46.0	4.1	3.9	3.7	3.7	3.7	3.7	2.8	2.6	2.5	2.2	1.9	1.9
48.0	3.9	3.7		3.5	3.5	3.6	2.7	2.5	2.5	2.0	1.8	1.8
50.0	3.6	3.7		3.3	3.3		2.5	2.4	2.4	1.9	1.8	1.7
55.0	2.8	3.2		2.6	2.9		2.1	2.1		1.6	1.6	
60.0	2.0	2.2		1.9	2.3		1.8	1.8		1.3	1.3	