



Bends Ø 80 - Ø 250 made from pressed shells

Bends Ø 300 - Ø 400 from pressed segments

- Segmentation :
- ∠ 90° = 3x30°
 - ∠ 60° = 2x30°
 - ∠ 45° = 2x22,5°
 - ∠ 30° = 1x30°

Deviations:
 Radius at diam. Ø350 - R=710 ±10
 Radius at diam. Ø400 - R=810 ±10

At loose-flange connection NW ≥ 350
 the radius changes as follows:

- ∠ 90° = R-4
- ∠ 60° = R-7
- ∠ 45° = R-10
- ∠ 30° = R-15

Bends (Segment-welded bends) Ø 450-630 acc. drawing-no. 4/82

Article-no. for painted type

Safety advice DIN 34

	30°			45°			60°			90°		
Ø60	Article-no. for painted type											
Artikel-Nr.	11021343			11061344			11061346			11061349		
Ø D I.W.	57			57			57			57		
s	1,5			1,5			1,5			1,5		
Gew. in kg	0,25			0,4			0,5			0,75		
Article-no.	11081343	12081343		11081344	12081344		11081346	12081346		11081349	12081349	
Ø D inside	78	76		78	76		78	76		78	76	
s	1	2		1	2		1	2		1	2	
weight in kg	0,20	0,35		0,25	0,50		0,35	0,65		0,50	0,95	
Article-no.	11101343	12101343		11101344	12101344		11101346	12101346		11101349	12101349	
Ø D inside	100	99		100	99		100	99		100	99	
s	1	2		1	2		1	2		1	2	
weight in kg	0,30	0,60		0,45	0,80		0,55	1,10		0,80	1,55	
Article-no.	11121343	12121343	13121343	11121344	12121344	13121344	11121346	12121346	13121346	11121349	12121349	13121349
Ø D inside	120	119	118	120	119	118	120	119	118	120	119	118
s	1,5	2	3	1,5	2	3	1,5	2	3	1,5	2	3
weight in kg	0,45	0,80	1,30	0,60	1,15	1,85	0,75	1,50	2,45	1,20	2,20	3,60
Article-no.	11141343	12141343		11141344	12141344		11141346	12141346		11141349	12141349	
Ø D inside	136	135		136	135		136	135		136	135	
s	1	2		1	2		1	2		1	2	
weight in kg	0,55	1,00		0,80	1,45		1,00	2,05		1,5	3,05	
Article-no.	11151343	12151343	13151343	11151344	12151344	13151344	11151346	12151346	13151346	11151349	12151349	13151349
Ø D inside	150	149	148	150	149	148	150	149	148	150	149	148
s	1,5	2	3	1,5	2	3	1,5	2	3	1,5	2	3
weight in kg	0,65	1,25	1,85	0,95	1,80	2,60	1,20	2,40	3,60	1,75	3,50	5,30
Article-no.	11171343	12171343	13171343	11171344	12171344	13171344	11171346	12171346	13171346	11171349	12171349	13171349
Ø D inside	175	174	173	175	174	173	175	174	173	175	174	173
s	1,5	2	3	1,5	2	3	1,5	2	3	1,5	2	3
weight in kg	0,80	1,65	2,50	1,25	2,25	3,70	1,50	3,15	4,70	2,35	4,60	7,20
Article-no.	11201343	12201343	13201343	11201344	12201344	13201344	11201346	12201346	13201346	11201349	12201349	13201349
Ø D inside	200	199	198	200	199	198	200	199	198	200	199	198
s	1,5	2	3	1,5	2	3	1,5	2	3	1,5	2	3
weight in kg	1,00	2,10	3,30	1,50	3,00	4,60	2,20	4,10	6,38	3,00	6,10	9,00
Article-no.	11221343	12221343		11221344	12221344		11221346	12221346		11221349	12221349	
Ø D inside	220	219		220	219		220	219		220	219	
s	1,5	2		1,5	2		1,5	2		1,5	2	
weight in kg	2,03	2,65		3,00	3,90		3,96	5,20		5,89	7,80	
Article-no.	11251343	12251343	13251343	11251344	12251344	13251344	11251346	12251346	13251346	11251349	12251349	13251349
Ø D inside	250	249	248	250	249	248	250	249	248	250	249	248
s	1,5	2	3	1,5	2	3	1,5	2	3	1,5	2	3
weight in kg	1,70	3,50	5,00	2,50	4,80	7,30	3,60	6,90	10,10	4,80	9,70	14,20
Article-no.	11301343	12301343	13301343	11301344	12301344	13301344	11301346	12301346	13301346	11301349	12301349	13301349
Ø D inside	300	299	298	300	299	298	300	299	298	300	299	298
s	1,5	2	3	1,5	2	3	1,5	2	3	1,5	2	3
weight in kg	3,70	4,60	6,90	5,10	7,20	11,20	7,00	9,30	13,80	10,10	13,50	20,50
Article-no.		12351343	13351343		12351344	13351344		12351346	13351346		12351349	13351349
Ø D inside		349	348		349	348		349	348		349	348
s		2	3		2	3		2	3		2	3
weight in kg		6,35	9,52		9,80	14,30		13,00	19,05		19,60	29,00
Article-no.		12401343	13401343		12401344	13401344		12401346	13401346		12401349	13401349
Ø D inside		398	396		398	396		398	396		398	396
s		2	3		2	3		2	3		2	3
weight in kg		8,50	12,70		12,70	19,00		16,90	25,30		25,00	31,00

Denomination

Bends R=2D

Date	27.11.2009	
Drawing-No.	4/80	Index
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