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1 Purpose

This LESER Global Standard (LGS) contains the information about pressure range of all springs, which are installed in valve- types 455-458.

2 Scope

This LGS applies to all members of the LESER quality cluster as defined in the global quality management manual.

This LGS contains information about the pressure range of all springs, which are installed in valve- types 455-458.

The pressure ranges of the various types are given first in pressure-unit [bar, page 2- 6]. This is followed by the pressure-unit [psig, page 7- end].

For additional information please see legend description.

3 References

LDeS 3060.01, LDeS 3265.01

4 Legend / Indices

- S = Sonderauftrag / special order
- O = oberen Spindeleinstich verwenden / use upper spindle groove
- Blaue Markierung/ blue marking = Drucklagereinsatz / thrust bearing use
- V80 = Baukastengröße Federn/ model spring V80

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Ausführung											
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)			
p [bar]		Feder- Sachnummer	Indizes	p [bar]		Feder- Sachnummer	Indizes	p [bar]		Feder- Sachnummer	Indizes
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to		
DN 25 do 15				DN 25 do 15				DN 25 do 15			
2,50	- 3,40	540.8324.0000		2,50	- 3,40	540.8324.0000		2,50	- 3,40	540.8324.0000	
3,41	- 4,90	540.8334.0000		3,41	- 4,90	540.8334.0000		3,41	- 4,90	540.8334.0000	
4,91	- 7,20	540.4504.0000		4,91	- 7,20	540.4504.0000		4,91	- 7,20	540.4504.0000	
7,21	- 10,50	540.4514.0000		7,21	- 10,50	540.4514.0000		7,21	- 10,50	540.4514.0000	
10,51	- 14,50	540.4524.0000		10,51	- 14,50	540.4524.0000		10,51	- 14,50	540.4524.0000	
14,51	- 20,50	540.4534.0000		14,51	- 20,50	540.4534.0000		14,51	- 20,50	540.4534.0000	
20,51	- 29,00	540.4544.0000		20,51	- 29,00	540.4544.0000		20,51	- 29,00	540.4544.0000	
29,01	- 44,00	540.4554.0000		29,01	- 44,00	540.4554.0000		29,01	- 44,00	540.4554.0000	
44,01	- 49,00	540.4634.0000		44,01	- 49,00	540.4634.0000		44,01	- 49,00	540.4634.0000	
49,01	- 67,00	540.4574.0000		49,01	- 67,00	540.4574.0000		49,01	- 67,00	540.4574.0000	
67,01	- 83,00	540.4584.0000		67,01	- 83,00	540.4584.0000		67,01	- 83,00	540.4584.0000	
83,01	- 107,00	540.4594.0000		83,01	- 107,00	540.4594.0000		83,01	- 107,00	540.4594.0000	
107,01	- 142,00	540.5512.0000		107,01	- 142,00	540.5512.0000		107,01	- 120,00	540.4604.0000	
142,01	- 180,00	540.5522.0000		142,01	- 180,00	540.5522.0000		120,01	- 142,00	540.4594.0000	
180,01	- 200,00	540.5532.0000		180,01	- 200,00	540.5532.0000				540.4634.0000	
200,01	- 225,00	540.5542.0000		200,01	- 225,00	540.5542.0000		142,01	- 160,00	540.4604.0000	
225,01	- 246,00	540.5532.0000		225,01	- 246,00	540.5532.0000				540.4634.0000	
		540.4634.0000				540.4634.0000		160,01	- 200,00	540.9574.0000	
246,01	- 280,00	540.5542.0000		246,01	- 280,00	540.5542.0000				540.4634.0000	
		540.4634.0000				540.4634.0000		200,01	- 250,00	540.9594.0000	
280,01	- 300,00	540.8342.0000		280,01	- 300,00	540.8342.0000				540.4634.0000	
		540.4634.0000				540.4634.0000					
DN 25 do 20				DN 25 do 20				DN 25 do 20			
2,50	- 3,00	540.4514.0000		2,50	- 3,00	540.4514.0000		2,50	- 3,00	540.4514.0000	
3,01	- 4,20	540.4524.0000		3,01	- 4,20	540.4524.0000		3,01	- 4,20	540.4524.0000	
4,21	- 6,20	540.4534.0000		4,21	- 6,20	540.4534.0000		4,21	- 6,20	540.4534.0000	
6,21	- 9,00	540.4544.0000		6,21	- 9,00	540.4544.0000		6,21	- 9,00	540.4544.0000	
9,01	- 13,50	540.4554.0000		9,01	- 13,50	540.4554.0000		9,01	- 13,50	540.4554.0000	
13,51	- 20,00	540.4564.0000		13,51	- 20,00	540.4564.0000		13,51	- 20,00	540.4564.0000	
20,01	- 30,00	540.4584.0000		20,01	- 30,00	540.4584.0000		20,01	- 30,00	540.4584.0000	
30,01	- 44,00	540.4594.0000		30,01	- 44,00	540.4594.0000		30,01	- 44,00	540.4594.0000	
44,01	- 65,00	540.5512.0000		44,01	- 65,00	540.5512.0000		44,01	- 65,00	540.4604.0000	
65,01	- 90,00	540.5522.0000		65,01	- 90,00	540.5522.0000		65,01	- 90,00	540.4604.0000	
90,01	- 110,00	540.5532.0000		90,01	- 110,00	540.5532.0000				540.4634.0000	
110,01	- 134,00	540.5532.0000		110,01	- 134,00	540.5532.0000		90,01	- 122,00	540.9574.0000	
		540.4634.0000				540.4634.0000				540.4634.0000	
134,01	- 152,00	540.5542.0000		134,01	- 152,00	540.5542.0000		122,01	- 146,00	540.9594.0000	
		540.4634.0000				540.4634.0000				540.8394.0000	
152,01	- 180,00	540.8372.0000		152,01	- 180,00	540.8372.0000					
		540.8392.0000				540.8392.0000					

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Ausführung												
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)				
p [bar]		Feder-Sachnummer	Indizes	p [bar]		Feder-Sachnummer	Indizes	p [bar]		Feder-Sachnummer	Indizes	
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to			
DN 50 do 30				DN 50 do 30				DN 50 do 30				
2,50	- 2,90	540.5712.0000		2,50	- 2,90	540.5712.0000		2,50	- 2,90	540.5714.0000		
2,91	- 4,15	540.5722.0000		2,91	- 4,15	540.5722.0000		2,91	- 4,15	540.5724.0000		
4,16	- 6,00	540.5732.0000		4,16	- 6,00	540.5732.0000		4,16	- 6,00	540.5734.0000		
6,01	- 8,60	540.5742.0000		6,01	- 8,60	540.5742.0000		6,01	- 8,60	540.5744.0000		
8,61	- 12,30	540.5752.0000		8,61	- 12,30	540.5752.0000		8,61	- 12,30	540.5754.0000		
12,31	- 17,60	540.5762.0000		12,31	- 17,60	540.5762.0000		12,31	- 17,60	540.5764.0000		
17,61	- 25,20	540.5772.0000		17,61	- 25,20	540.5772.0000		17,61	- 25,20	540.5774.0000		
25,21	- 36,00	540.5782.0000		25,21	- 36,00	540.5782.0000		25,21	- 36,00	540.5784.0000		
36,01	- 50,00	540.5792.0000		36,01	- 50,00	540.5792.0000		36,01	- 47,00	540.5784.0000		
50,01	- 68,00	540.5802.0000		50,01	- 68,00	540.5802.0000				540.9924.0205		
68,01	- 92,00	540.5802.0000		68,01	- 92,00	540.5802.0000		47,01	- 61,00	540.4944.0000		
		540.9722.0205				540.9722.0205		61,01	- 82,00	540.4944.0000		
92,01	-125,00	540.9492.0000		92,01	-125,00	540.9492.0000				540.9724.0205		
		540.4982.0205				540.4982.0205					S	
	-210,00		S		-210,00		S					
DN 50 do 40				DN 50 do 40				DN 50 do 40				
2,50	- 3,60	540.5732.0000		2,50	- 3,60	540.5732.0000		2,50	- 3,60	540.5734.0000		
3,61	- 4,80	540.5742.0000		3,61	- 4,80	540.5742.0000		3,61	- 4,80	540.5744.0000		
4,81	- 6,00	540.9924.0205		4,81	- 6,00	540.9924.0205		4,81	- 6,00	540.9924.0205		
6,01	- 7,20	540.5752.0000		6,01	- 7,20	540.5752.0000		6,01	- 7,20	540.5754.0000		
7,21	- 8,60	540.9732.0000		7,21	- 8,60	540.9732.0000		7,21	- 8,60	540.5724.0000		
8,61	- 10,20	540.5732.0000		8,61	- 10,20	540.5732.0000				540.9924.0205		
		540.9924.0205				540.9924.0205		8,61	- 10,20	540.5734.0000		
10,21	- 12,20	540.5762.0000		0,21	- 12,20	540.5762.0000				540.9924.0205		
12,21	- 14,60	540.9752.0000		12,21	- 14,60	540.9752.0000		10,21	- 12,20	540.5764.0000		
14,61	- 18,50	540.5772.0000		14,61	- 18,50	540.5772.0000		12,21	- 13,40	540.5744.0000		
18,51	- 24,00	540.9752.0000		18,51	- 24,00	540.9752.0000				540.9924.0205		
		540.9924.0205				540.9924.0205		13,41	- 14,60	540.5754.0000		
24,01	- 32,00	540.5782.0000		24,01	- 32,00	540.5782.0000				540.9924.0205		
32,01	- 43,50	540.5782.0000		32,01	- 43,50	540.5782.0000		14,61	- 18,50	540.5774.0000		
		540.9924.0205				540.9924.0205		18,51	- 22,00	540.5764.0000		
43,51	- 56,00	540.5792.0000		43,51	- 56,00	540.5792.0000				540.9924.0205		
56,01	- 67,00	540.5792.0000		56,01	- 67,00	540.5792.0000		22,01	- 32,00	540.5784.0000		
		540.9924.0205				540.9924.0205		32,01	- 43,50	540.5784.0000		
67,01	- 75,00	540.5802.0000		67,01	- 75,00	540.5802.0000				540.9924.0205		
		540.9924.0205				540.9924.0205		43,51	- 51,00	540.5784.0000		
75,01	- 87,00	540.5802.0000		75,01	- 87,00	540.5802.0000				540.9724.0205		
		540.4962.0205				540.4962.0205		51,01	- 61,00	540.4944.0000		
87,01	- 98,00	540.9492.0000		87,01	- 98,00	540.9492.0000				540.9724.0205		
		540.4962.0205				540.4962.0205					S	
	-114,50		S		-114,50		S					

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Ausführung											
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)			
p [bar]		Feder-Sachnummer	Indizes	p [bar]		Feder-Sachnummer	Indizes	p [bar]		Feder-Sachnummer	Indizes
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to		
DN 80 do 50				DN 80 do 50				DN 80 do 50			
2,50	- 3,20	540.5932.0000	S	2,50	- 3,20	540.5932.0000	S	2,50	- 3,20	540.5844.0000	O; V80
3,21	- 4,90	540.5942.0000		3,21	- 4,90	540.5942.0000		3,21	- 4,90	540.5854.0000	O; V80
4,91	- 7,90	540.5952.0000		4,91	- 7,90	540.5952.0000		4,91	- 7,90	540.5864.0000	O; V80
7,91	- 10,00	540.5962.0000		7,91	- 10,00	540.5962.0000		7,91	- 10,00	540.5864.0000	O; V80
10,01	- 16,00	540.5972.0000		10,01	- 16,00	540.5972.0000				540.9884.0000	
16,01	- 19,00	540.9952.0000		16,01	- 19,00	540.9952.0000		10,01	- 16,00	540.5874.0000	O; V80
19,01	- 27,00	540.5982.0000		19,01	- 27,00	540.5982.0000				540.9884.0000	
27,01	- 38,00	540.9962.0000		27,01	- 38,00	540.9962.0000		16,01	- 19,00	540.9954.0000	
38,01	- 54,00	540.9952.0000		38,01	- 54,00	540.9952.0000		19,01	- 27,00	540.5984.0000	
		540.9982.0205				540.9982.0205		27,01	- 38,00	540.5984.0000	
54,01	- 75,00	540.9962.0000		54,01	- 75,00	540.9962.0000				540.9714.0000	
		540.9982.0205				540.9982.0205		38,01	- 54,00	540.9954.0000	
75,01	- 107,00	540.9842.0000		75,01	- 107,00	540.9842.0000				540.9534.0000	
		540.9982.0205				540.9982.0205		54,01	- 61,00	540.5984.0000	
107,01	- 130,00	540.9842.0000		107,01	- 130,00	540.9842.0000				540.4994.0000	
		540.9542.0205			540.9542.0205			- 104,00	S		
	- 160,00			- 160,00							
DN 80 do 60				DN 80 do 60				DN 80 do 60			
Dämpfe/Gase (steam/gases)				Dämpfe/Gase (steam/gases)				Dämpfe/Gase (steam/gases)			
2,50	- 2,60	540.5824.0000	V80	2,50	- 2,60	540.5824.0000	V80	2,50	- 2,60	540.5824.0000	O; V80
		540.9884.0000				540.9884.0000				540.9884.0000	
2,61	- 4,20	540.5844.0000		2,61	- 4,20	540.5844.0000		2,61	- 4,20	540.5844.0000	O; V80
		540.9884.0000				540.9884.0000				540.9884.0000	
4,21	- 5,20	540.5952.0000		4,21	- 5,20	540.5952.0000		4,21	- 5,20	540.5864.0000	O; V80
5,21	- 7,20	540.9714.0000		5,21	- 7,20	540.9714.0000		5,21	- 7,20	540.9714.0000	
7,21	- 9,20	540.5962.0000		7,21	- 9,20	540.5962.0000		7,21	- 9,20	540.5864.0000	O; V80
9,21	- 10,90	540.5872.0000		9,21	- 10,90	540.5872.0000				540.9884.0000	
10,91	- 13,20	540.5972.0000		10,91	- 13,20	540.5972.0000		9,21	- 10,90	540.5874.0000	O; V80
13,21	- 17,50	540.9952.0000		13,21	- 17,50	540.9952.0000		10,91	- 13,20	540.5874.0000	O; V80
17,51	- 22,00	540.5982.0000		17,51	- 22,00	540.5982.0000				540.9884.0000	
22,01	- 27,50	540.5972.0000		22,01	- 27,50	540.5972.0000		13,21	- 17,50	540.9954.0000	
		540.9714.0000				540.9714.0000		17,51	- 22,00	540.5984.0000	
27,51	- 35,00	540.9962.0000		27,51	- 35,00	540.9962.0000		22,01	- 27,50	540.9954.0000	
35,01	- 43,00	540.5972.0000		35,01	- 43,00	540.5972.0000				540.9714.0000	
		540.9982.0205			540.9982.0205	27,51	- 35,00	540.5984.0000			
43,01	- 56,00	540.5982.0000	43,01	- 56,00	540.5982.0000			540.9714.0000			
		540.9982.0205			540.9982.0205			- 51,50	S		
56,01	- 62,00	540.9962.0000	56,01	- 62,00	540.9962.0000						
		540.9982.0205			540.9982.0205						
62,01	- 77,00	540.9552.0000	62,01	- 77,00	540.9552.0000						
		540.9982.0205			540.9982.0205						
DN 80 do 60				DN 80 do 60				DN 80 do 60			
Flüssigkeit (liquids)				Flüssigkeit (liquids)				Flüssigkeit (liquids)			
2,50	- 106,00		S	2,50	- 106,00		S	2,50	- 61,00		S

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Ausführung											
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)			
p [bar]		Feder-Sachnummer	Indizes	p [bar]		Feder-Sachnummer	Indizes	p [bar]		Feder-Sachnummer	Indizes
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to		
DN 100 do 50				DN 100 do 50				DN 100 do 50			
2,50	- 2,90	540.8872.0000	O	2,50	- 2,90	540.8872.0000	O	2,50	- 2,90	540.8874.0000	O
2,91	- 4,10	540.8882.0000	O	2,91	- 4,10	540.8882.0000	O	2,91	- 4,10	540.8884.0000	O
4,11	- 5,90	540.8892.0000	O	4,11	- 5,90	540.8892.0000	O	4,11	- 5,90	540.8894.0000	O
5,91	- 8,30	540.8902.0000	O	5,91	- 8,30	540.8902.0000	O	5,91	- 8,30	540.8904.0000	O
8,31	- 11,40	540.8912.0000	O	8,31	- 11,40	540.8912.0000	O	8,31	- 11,40	540.8884.0000	O
11,41	- 15,80	540.8922.0000	O	11,41	- 15,80	540.8922.0000	O			540.8984.0205	
15,81	- 22,00	540.8942.0000	O	15,81	- 22,00	540.8942.0000	O	11,41	- 15,80	540.8904.0000	O
22,01	- 30,60	540.8942.0000	O	22,01	- 30,60	540.8942.0000	O			540.8984.0205	
		540.8984.0205				540.8984.0205		- 71,00			S
30,61	- 43,00	540.8952.0000	O	30,61	- 43,00	540.8952.0000	O				
		540.9912.0205				540.9912.0205					
	-160,00		S		-160,00		S				
DN 100 do 60				DN 100 do 60				DN 100 do 60			
2,50	- 2,80	540.8882.0000	O	2,50	- 2,80	540.8882.0000	O	2,50	- 2,80	540.8884.0000	O
2,81	- 4,00	540.8892.0000	O	2,81	- 4,00	540.8892.0000	O	2,81	- 4,00	540.8894.0000	O
4,01	- 5,40	540.8902.0000	O	4,01	- 5,40	540.8902.0000	O	4,01	- 5,40	540.8904.0000	O
5,41	- 7,75	540.8912.0000	O	5,41	- 7,75	540.8912.0000	O	5,41	- 7,75	540.8884.0000	O
7,76	- 11,00	540.8922.0000	O	7,76	- 11,00	540.8922.0000	O			540.8984.0205	
11,01	- 13,00	540.8932.0000	O	11,01	- 13,00	540.8932.0000	O	7,76	- 11,00	540.8904.0000	O
13,01	- 15,00	540.8942.0000	O	13,01	- 15,00	540.8942.0000	O			540.8984.0205	
15,01	- 18,00	540.8952.0000	O	15,01	- 18,00	540.8952.0000	O	- 55,00			S
18,01	- 26,00	540.8952.0000	O	18,01	- 26,00	540.8952.0000	O				
		540.8974.0205				540.8974.0205					
26,01	- 34,50	540.8942.0000	O	26,01	- 34,50	540.8942.0000	O				
		540.9912.0205				540.9912.0205					
34,51	- 46,00	540.8952.0000	O	34,51	- 46,00	540.8952.0000	O				
		540.9912.0205				540.9912.0205					
		540.0044.0000				540.0044.0000					
	-160,00		S		-160,00		S				

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Ausführung												
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)				
p [bar]		Feder-Sachnummer	Indizes	p [bar]		Feder-Sachnummer	Indizes	p [bar]		Feder-Sachnummer	Indizes	
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to			
DN 100 do 74				DN 100 do 74				DN 100 do 74				
2,50	- 2,95	540.8882.0000		2,50	- 2,95	540.8882.0000		2,50	- 2,95	540.8884.0000		
2,96	- 3,80	540.8892.0000		2,96	- 3,80	540.8892.0000		2,96	- 3,80	540.8894.0000		
3,81	- 6,70	540.8902.0000		3,81	- 6,70	540.8902.0000		3,81	- 6,70	540.8904.0000		
6,71	- 10,40	540.8912.0000		6,71	- 10,40	540.8912.0000		6,71	- 10,40	540.8884.0000		
10,41	- 16,90	540.8922.0000		10,41	- 16,90	540.8922.0000				540.8984.0205		
16,91	- 25,00	540.8942.0000		16,91	- 25,00	540.8942.0000		10,41	- 16,90	540.8904.0000		
25,01	- 36,50	540.8912.0000		25,01	- 36,50	540.8912.0000				540.8984.0205		
		540.9912.0205				540.9912.0205		- 49,00			S	
36,51	- 49,10	540.8942.0000		36,51	- 49,10	540.8942.0000						
		540.9912.0205				540.9912.0205						
49,11	- 53,00	540.8952.0000	O	49,11	- 53,00	540.8952.0000	O					
		540.9912.0205				540.9912.0205						
- 77,00			S	- 77,00			S					
DN 100 do 88				DN 100 do 88				DN 100 do 88				
2,50	- 5,80		S	2,50	- 5,80		S	2,50	- 32,00		S	
5,81	- 7,60	540.8922.0000	O	5,81	- 7,60	540.8922.0000	O					
7,61	- 10,00	540.8932.0000	O	7,61	- 10,00	540.8932.0000	O					
10,01	- 14,70	540.8942.0000	O	10,01	- 14,70	540.8942.0000	O					
14,71	- 20,00	540.8912.0000	O	14,71	- 20,00	540.8912.0000	O					
		540.9912.0205				540.9912.0205						
20,01	- 27,40	540.8942.0000	O	20,01	- 27,40	540.8942.0000	O					
		540.9912.0205				540.9912.0205						
27,41	- 34,00	540.8952.0000	O	27,41	- 34,00	540.8952.0000	O					
		540.9912.0205				540.9912.0205						
- 53,00			S	- 53,00			S					
DN 150 do 110				DN 150 do 110				DN 150 do 110				
Dämpfe/Gase (steam/gases)				Dämpfe/Gase (steam/gases)				Dämpfe/Gase (steam/gases)				
0,20	- 0,30	540.8832.0000		0,20	- 0,30	540.8832.0000		0,20	- 1,00		S	
0,31	- 0,40	540.8842.0000		0,31	- 0,40	540.8842.0000		1,01	- 1,50	540.8884.0000		
0,41	- 0,55	540.8852.0000		0,41	- 0,55	540.8852.0000		1,51	- 2,00	540.8974.0205		
0,56	- 0,75	540.8862.0000		0,56	- 0,75	540.8862.0000		2,01	- 2,60	540.8904.0000		
0,76	- 1,00	540.8872.0000		0,76	- 1,00	540.8872.0000		2,61	- 3,50	540.8894.0000		
1,01	- 1,50	540.8882.0000		1,01	- 1,50	540.8882.0000				540.8974.0205		
1,51	- 2,00	540.8974.0205		1,51	- 2,00	540.8974.0205		3,51	- 4,40	540.8904.0000		
2,01	- 2,60	540.8902.0000		2,01	- 2,60	540.8902.0000				540.8944.0205		
2,61	- 3,50	540.8912.0000		2,61	- 3,50	540.8912.0000		- 10,00			S	
3,51	- 4,40	540.8922.0000		3,51	- 4,40	540.8922.0000						
4,41	- 5,80	540.8932.0000		4,41	- 5,80	540.8932.0000						
5,81	- 7,60	540.8942.0000		5,81	- 7,60	540.8942.0000						
7,61	- 10,00	540.8932.0000		7,61	- 10,00	540.8932.0000						
		540.8982.0205				540.8982.0205						
10,01	- 13,50	540.8952.0000		10,01	- 13,50	540.8952.0000						
		540.8974.0205				540.8974.0205						
13,51	- 18,00	540.8942.0000		13,51	- 18,00	540.8942.0000						
		540.9912.0205				540.9912.0205						
- 40,00			S	- 40,00			S					
Flüssigkeit(liquids)				Flüssigkeit(liquids)				Flüssigkeit(liquids)				
0,20	- 40,00		S	0,20	- 40,00		S	0,20	- 14,50		S	

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Ausführung (model)											
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)			
p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to		
		stock no.				stock no.				stock no.	
DN 25 do 15				DN 25 do 15				DN 25 do 15			
36	- 49	540.8324.0000		36	- 49	540.8324.0000		36	- 49	540.8324.0000	
49	- 71	540.8334.0000		49	- 71	540.8334.0000		49	- 71	540.8334.0000	
71	-105	540.4504.0000		71	-105	540.4504.0000		71	-105	540.4504.0000	
105	-152	540.4514.0000		105	-152	540.4514.0000		105	-152	540.4514.0000	
152	-210	540.4524.0000		152	-210	540.4524.0000		152	-210	540.4524.0000	
210	-297	540.4534.0000		210	-297	540.4534.0000		210	-297	540.4534.0000	
297	-421	540.4544.0000		297	-421	540.4544.0000		297	-421	540.4544.0000	
421	-638	540.4554.0000		421	-638	540.4554.0000		421	-638	540.4554.0000	
638	-711	540.4634.0000		638	-711	540.4634.0000		638	-711	540.4634.0000	
711	-972	540.4574.0000		711	-972	540.4574.0000		711	-972	540.4574.0000	
972	-1204	540.4584.0000		972	-1204	540.4584.0000		972	-1204	540.4584.0000	
1204	-1552	540.4594.0000		1204	-1552	540.4594.0000		1204	-1552	540.4594.0000	
1552	-2059	540.5512.0000		1552	-2059	540.5512.0000		1552	-1740	540.4604.0000	
2059	-2610	540.5522.0000		2059	-2610	540.5522.0000		1740	-2059	540.4594.0000	
2610	-2900	540.5532.0000		2610	-2900	540.5532.0000				540.4634.0000	
2900	-3263	540.5542.0000		2900	-3263	540.5542.0000		2059	-2320	540.4604.0000	
3263	-3567	540.5532.0000		3263	-3567	540.5532.0000				540.4634.0000	
		540.4634.0000				540.4634.0000		2320	-2900	540.9574.0000	
3567	-4060	540.5542.0000		3567	-4060	540.5542.0000				540.4634.0000	
		540.4634.0000				540.4634.0000		2900	-3625	540.9594.0000	
4060	-4350	540.8342.0000		4060	-4350	540.8342.0000				540.4634.0000	
		540.4634.0000				540.4634.0000					
DN 25 do 20				DN 25 do 20				DN 25 do 20			
36	- 44	540.4514.0000		36	- 44	540.4514.0000		36	- 44	540.4514.0000	
44	- 61	540.4524.0000		44	- 61	540.4524.0000		44	- 61	540.4524.0000	
61	- 90	540.4534.0000		61	- 90	540.4534.0000		61	- 90	540.4534.0000	
90	-131	540.4544.0000		90	-131	540.4544.0000		90	-131	540.4544.0000	
131	-196	540.4554.0000		131	-196	540.4554.0000		131	-196	540.4554.0000	
196	-290	540.4564.0000		196	-290	540.4564.0000		196	-290	540.4564.0000	
290	-435	540.4584.0000		290	-435	540.4584.0000		290	-435	540.4584.0000	
435	-638	540.4594.0000		435	-638	540.4594.0000		435	-638	540.4594.0000	
638	-943	540.5512.0000		638	-943	540.5512.0000		638	-943	540.4604.0000	
943	-1305	540.5522.0000		943	-1305	540.5522.0000		943	-1305	540.4604.0000	
1305	-1595	540.5532.0000		1305	-1595	540.5532.0000				540.4634.0000	
1595	-1943	540.5532.0000		1595	-1943	540.5532.0000		1305	-1769	540.9574.0000	
		540.4634.0000				540.4634.0000				540.4634.0000	
1943	-2204	540.5542.0000		1943	-2204	540.5542.0000		1769	-2117	540.9594.0000	
		540.4634.0000				540.4634.0000				540.8394.0000	
2204	-2610	540.8372.0000		2204	-2610	540.8372.0000					
		540.8392.0000				540.8392.0000					

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doc. type:	LGS	change rep. No.:		retention period:	10y.		

Ausführung (model)												
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)				
p [psig]		Feder- Materialnumm er	Indizes	p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes	
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to			
DN 50 do 30				DN 50 do 30				DN 50 do 30				
36	- 42	540.5712.0000		36	- 42	540.5712.0000		36	- 42	540.5714.0000		
42	- 60	540.5722.0000		42	- 60	540.5722.0000		42	- 60	540.5724.0000		
60	- 87	540.5732.0000		60	- 87	540.5732.0000		60	- 87	540.5734.0000		
87	-125	540.5742.0000		87	-125	540.5742.0000		87	-125	540.5744.0000		
125	-178	540.5752.0000		125	-178	540.5752.0000		125	-178	540.5754.0000		
178	-255	540.5762.0000		178	-255	540.5762.0000		178	-255	540.5764.0000		
255	-366	540.5772.0000		255	-366	540.5772.0000		255	-366	540.5774.0000		
366	-522	540.5782.0000		366	-522	540.5782.0000		366	-522	540.5784.0000		
522	-725	540.5792.0000		522	-725	540.5792.0000		522	-682	540.5784.0000		
725	-986	540.5802.0000		725	-986	540.5802.0000				540.9924.0205		
986	-1334	540.5802.0000		986	-1334	540.5802.0000		682	-885	540.4944.0000		
		540.9722.0205				540.9722.0205		885	-1189	540.4944.0000		
1334	-1813	540.9492.0000		1334	-1813	540.9492.0000				540.9724.0205		
		540.4982.0205				540.4982.0205		-1885			S	
-3045			S	-3045			S					
DN 50 do 40				DN 50 do 40				DN 50 do 40				
36	- 52	540.5732.0000		36	- 52	540.5732.0000		36	- 52	540.5734.0000		
52	- 70	540.5742.0000		52	- 70	540.5742.0000		52	- 70	540.5744.0000		
70	- 87	540.9924.0205		70	- 87	540.9924.0205		70	- 87	540.9924.0205		
87	-105	540.5752.0000		87	-105	540.5752.0000		87	-105	540.5754.0000		
105	-125	540.9732.0000		105	-125	540.9732.0000		105	-125	540.5724.0000		
125	-148	540.5732.0000		125	-148	540.5732.0000				540.9924.0205		
		540.9924.0205				540.9924.0205		125	-148	540.5734.0000		
148	-177	540.5762.0000		148	-177	540.5762.0000				540.9924.0205		
177	-212	540.9752.0000		177	-212	540.9752.0000		148	-177	540.5764.0000		
212	-268	540.5772.0000		212	-268	540.5772.0000		177	-194	540.5744.0000		
268	-348	540.9752.0000		268	-348	540.9752.0000				540.9924.0205		
		540.9924.0205				540.9924.0205		194	-212	540.5754.0000		
348	-464	540.5782.0000		348	-464	540.5782.0000				540.9924.0205		
464	-631	540.5782.0000		464	-631	540.5782.0000		212	-268	540.5774.0000		
		540.9924.0205				540.9924.0205		268	-319	540.5764.0000		
631	-812	540.5792.0000		631	-812	540.5792.0000				540.9924.0205		
812	-972	540.5792.0000		812	-972	540.5792.0000		319	-464	540.5784.0000		
		540.9924.0205				540.9924.0205		464	-631	540.5784.0000		
972	-1088	540.5802.0000		972	-1088	540.5802.0000				540.9924.0205		
		540.9924.0205				540.9924.0205		631	-740	540.5784.0000		
1088	-1262	540.5802.0000		1088	-1262	540.5802.0000				540.9724.0205		
		540.4962.0205				540.4962.0205		740	-885	540.4944.0000		
1262	-1421	540.9492.0000		1262	-1421	540.9492.0000				540.9724.0205		
		540.4962.0205				540.4962.0205		-943			S	
-1660			S	-1660			S					

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doc. type:	LGS	change rep. No.:		retention period:	10y.		

Ausführung (model)											
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)			
p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to		
DN 80 do 50				DN 80 do 50				DN 80 do 50			
36	- 47	540.5932.0000		36	- 47	540.5932.0000		36	- 47	540.5844.0000	O; V80
47	- 71	540.5942.0000		47	- 71	540.5942.0000		47	- 71	540.5854.0000	O; V80
71	-115	540.5952.0000		71	-115	540.5952.0000		71	-115	540.5864.0000	O; V80
115	-145	540.5962.0000		115	-145	540.5962.0000		115	-145	540.5864.0000	O; V80
145	-232	540.5972.0000		145	-232	540.5972.0000				540.9884.0000	
232	-276	540.9952.0000		232	-276	540.9952.0000		145	-232	540.5874.0000	O; V80
276	-392	540.5982.0000		276	-392	540.5982.0000				540.9884.0000	
392	-551	540.9962.0000		392	-551	540.9962.0000		232	-276	540.9954.0000	
551	-783	540.9952.0000		551	-783	540.9952.0000		276	-392	540.5984.0000	
		540.9982.0205				540.9982.0205		392	-551	540.5984.0000	
783	-1088	540.9962.0000		783	-1088	540.9962.0000				540.9714.0000	
		540.9982.0205				540.9982.0205		551	-783	540.9954.0000	
1088	-1552	540.9842.0000		1088	-1552	540.9842.0000				540.9534.0000	
		540.9982.0205				540.9982.0205		783	-885	540.5984.0000	
1552	-1885	540.9842.0000		1552	-1885	540.9842.0000				540.4994.0000	
		540.9542.0205				540.9542.0205					
	-2320		S		-2320		S			-1508	S
DN 80 do 60				DN 80 do 60				DN 80 do 60			
Dämpfe/Gase (steam/gases)				Dämpfe/Gase (steam/gases)				Dämpfe/Gase (steam/gases)			
36	- 38	540.5824.0000	V80	36	- 38	540.5824.0000	V80	36	- 38	540.5824.0000	O; V80
		540.9884.0000				540.9884.0000				540.9884.0000	
38	- 61	540.5844.0000	V80	38	- 61	540.5844.0000	V80	38	- 61	540.5844.0000	O; V80
		540.9884.0000				540.9884.0000				540.9884.0000	
61	- 76	540.5952.0000		61	- 76	540.5952.0000		61	- 76	540.5864.0000	O; V80
76	-105	540.9714.0000		76	-105	540.9714.0000		76	-105	540.9714.0000	
105	-134	540.5962.0000		105	-134	540.5962.0000		105	-134	540.5864.0000	O; V80
134	-158	540.5872.0000	O; V80	134	-158	540.5872.0000	O; V80			540.9884.0000	
158	-192	540.5972.0000		158	-192	540.5972.0000		134	-158	540.5874.0000	O; V80
192	-254	540.9952.0000		192	-254	540.9952.0000		158	-192	540.5874.0000	O; V80
254	-319	540.5982.0000		254	-319	540.5982.0000				540.9884.0000	
319	-399	540.5972.0000		319	-399	540.5972.0000		192	-254	540.9954.0000	
		540.9714.0000				540.9714.0000		254	-319	540.5984.0000	
399	-508	540.9962.0000		399	-508	540.9962.0000		319	-399	540.9954.0000	
508	-624	540.5972.0000		508	-624	540.5972.0000				540.9714.0000	
		540.9982.0205				540.9982.0205		399	-508	540.5984.0000	
624	-812	540.5982.0000		624	-812	540.5982.0000				540.9714.0000	
		540.9982.0205				540.9982.0205				-747	S
812	-899	540.9962.0000		812	-899	540.9962.0000					
		540.9982.0205				540.9982.0205					
899	-1117	540.9552.0000		899	-1117	540.9552.0000					
		540.9982.0205				540.9982.0205					
DN 80 do 60				DN 80 do 60				DN 80 do 60			
Flüssigkeit(liquids)				Flüssigkeit(liquids)				Flüssigkeit(liquids)			
36	-1537		S	36	-1537		S	36	-885		S

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Ausführung (model)											
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)			
p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to		
DN 100 do 50				DN 100 do 50				DN 100 do 50			
36	- 42	540.8872.0000	O	36	- 42	540.8872.0000	O	36	- 42	540.8874.0000	O
42	- 60	540.8882.0000	O	42	- 60	540.8882.0000	O	42	- 60	540.8884.0000	O
60	- 86	540.8892.0000	O	60	- 86	540.8892.0000	O	60	- 86	540.8894.0000	O
86	-120	540.8902.0000	O	86	-120	540.8902.0000	O	86	-120	540.8904.0000	O
120	-165	540.8912.0000	O	120	-165	540.8912.0000	O	120	-165	540.8884.0000	O
165	-229	540.8922.0000	O	165	-229	540.8922.0000	O			540.8984.0205	
229	-319	540.8942.0000	O	229	-319	540.8942.0000	O	165	-229	540.8904.0000	O
319	-444	540.8942.0000	O	319	-444	540.8942.0000	O			540.8984.0205	
		540.8984.0205				540.8984.0205				-1030	S
444	-624	540.8952.0000	O	444	-624	540.8952.0000	O				
		540.9912.0205				540.9912.0205					
	-2320		S		-2320		S				
DN 100 do 60				DN 100 do 60				DN 100 do 60			
36	- 41	540.8882.0000	O	36	- 41	540.8882.0000	O	36	- 41	540.8884.0000	O
41	- 58	540.8892.0000	O	41	- 58	540.8892.0000	O	41	- 58	540.8894.0000	O
58	- 78	540.8902.0000	O	58	- 78	540.8902.0000	O	58	- 78	540.8904.0000	O
78	-113	540.8912.0000	O	78	-113	540.8912.0000	O	78	-113	540.8884.0000	O
113	-160	540.8922.0000	O	113	-160	540.8922.0000	O			540.8984.0205	
160	-189	540.8932.0000	O	160	-189	540.8932.0000	O	113	-160	540.8904.0000	O
189	-218	540.8942.0000	O	189	-218	540.8942.0000	O			540.8984.0205	
218	-261	540.8952.0000	O	218	-261	540.8952.0000	O			-798	S
261	-377	540.8952.0000	O	261	-377	540.8952.0000	O				
		540.8974.0205				540.8974.0205					
377	-500	540.8942.0000	O	377	-500	540.8942.0000	O				
		540.9912.0205				540.9912.0205					
500	-667	540.8952.0000	O	500	-667	540.8952.0000	O				
		540.9912.0205				540.9912.0205					
		540.0044.0000				540.0044.0000					
	-2320		S		-2320		S				

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Ausführung (model)												
Standard (standard)				warmfest (creep-resistant steel)				korrosionsfest (stainless steel)				
p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes	p [psig]		Feder- Materialnummer	Indizes	
von p1 up	bis p2 to			von p1 up	bis p2 to			von p1 up	bis p2 to			
DN 100 do 74				DN 100 do 74				DN 100 do 74				
36	- 43	540.8882.0000		36	- 43	540.8882.0000		36	- 43	540.8884.0000		
43	- 55	540.8892.0000		43	- 55	540.8892.0000		43	- 55	540.8894.0000		
55	- 97	540.8902.0000		55	- 97	540.8902.0000		55	- 97	540.8904.0000		
97	-151	540.8912.0000		97	-151	540.8912.0000		97	-151	540.8884.0000		
151	-245	540.8922.0000		151	-245	540.8922.0000				540.8984.0205		
245	-363	540.8942.0000		245	-363	540.8942.0000		151	-245	540.8904.0000		
363	-529	540.8912.0000		363	-529	540.8912.0000				540.8984.0205		
		540.9912.0205				540.9912.0205			-711		S	
529	-712	540.8942.0000		529	-712	540.8942.0000						
		540.9912.0205				540.9912.0205						
712	-769	540.8952.0000	O	712	-769	540.8952.0000	O					
		540.9912.0205				540.9912.0205						
	-1117		S		-1117		S					
DN 100 do 88				DN 100 do 88				DN 100 do 88				
36	- 84		S	36	- 84		S	36	-464		S; O	
84	-110	540.8922.0000	O	84	-110	540.8922.0000	O					
110	-145	540.8932.0000	O	110	-145	540.8932.0000	O					
145	-213	540.8942.0000	O	145	-213	540.8942.0000	O					
213	-290	540.8912.0000	O	213	-290	540.8912.0000	O					
		540.9912.0205				540.9912.0205						
290	-397	540.8942.0000	O	290	-397	540.8942.0000	O					
		540.9912.0205				540.9912.0205						
397	-493	540.8952.0000	O	397	-493	540.8952.0000	O					
		540.9912.0205				540.9912.0205						
	-769		S		-769		S					
DN 150 do 110				DN 150 do 110				DN 150 do 110				
Dämpfe/Gase (steam/gases)				Dämpfe/Gase (steam/gases)				Dämpfe/Gase (steam/gases)				
3	- 4	540.8832.0000		3	- 4	540.8832.0000		3	- 15		S	
4	- 6	540.8842.0000		4	- 6	540.8842.0000		15	- 22	540.8884.0000		
6	- 8	540.8852.0000		6	- 8	540.8852.0000		22	- 29	540.8974.0205		
8	- 11	540.8862.0000		8	- 11	540.8862.0000		29	- 38	540.8904.0000		
11	- 15	540.8872.0000		11	- 15	540.8872.0000		38	- 51	540.8894.0000		
15	- 22	540.8882.0000		15	- 22	540.8882.0000				540.8974.0205		
22	- 29	540.8974.0205		22	- 29	540.8974.0205		51	- 64	540.8904.0000		
29	- 38	540.8902.0000		29	- 38	540.8902.0000				540.8944.0205		
38	- 51	540.8912.0000		38	- 51	540.8912.0000			-145		S	
51	- 64	540.8922.0000		51	- 64	540.8922.0000						
64	- 84	540.8932.0000		64	- 84	540.8932.0000						
84	-110	540.8942.0000		84	-110	540.8942.0000						
110	-145	540.8942.0000		110	-145	540.8942.0000						
		540.9222.0205				540.9222.0205						
145	-196	540.8952.0000		145	-196	540.8952.0000						
		540.8974.0205				540.8974.0205						
196	-261	540.8942.0000		196	-261	540.8942.0000						
		540.9912.0205				540.9912.0205						
	-580		S		-580		S					
Flüssigkeit(liquids)				Flüssigkeit(liquids)				Flüssigkeit(liquids)				
3	-580		S	3	-580		S	3	-210		S	

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