

## 6.1

356

08 18 10 , 12 18 10

$\left( \frac{PN}{l^2} \right)$	$P$ , $\left( \frac{l}{l^2} \right)$				
	20°	200°	400°	520°	610°
1,00 (10,0)	1,00 (10,0)	0,75 (7,5)	0,58 (5,8)	0,42 (4,2)	0,20 (2,0)
1,60 (16,0)	1,60 (16,0)	1,20 (12,0)	0,90 (9,0)	0,62 (6,2)	0,32 (3,2)
2,50 (25,0)	2,50 (25,0)	1,90 (19,0)	1,50 (15,0)	1,00 (10,0)	0,50 (5,0)
4,00 (40,0)	4,00 (40,0)	3,00 (30,0)	2,30 (23,0)	1,60 (16,0)	0,80 (8,0)
6,30 (63,0)	6,30 (63,0)	4,80 (48,0)	3,70 (37,0)	2,50 (25,0)	1,30 (13,0)
10,00 (100,0)	10,00 (100,0)	7,50 (75,0)	5,80 (58,0)	4,20 (42,0)	2,00 (20,0)
16,00 (160,0)	16,00 (160,0)	12,00 (120,0)	9,00 (90,0)	6,20 (62,0)	3,20 (32,0)
20,00 (200,0)	20,00 (200,0)	15,00 (150,0)	11,50 (115,0)	8,40 (84,0)	4,00 (40,0)
25,00 (250,0)	25,00 (250,0)	19,00 (190,0)	15,00 (150,0)	10,00 (100,0)	5,00 (50,0)
32,00 (320,0)	32,00 (320,0)	24,00 (240,0)	17,00 (170,0)	12,40 (124,0)	6,40 (64,0)
40,00 (400,0)	40,00 (400,0)	30,00 (300,0)	23,00 (230,0)	16,00 (160,0)	8,00 (80,0)
50,00 (500,0)	50,00 (500,0)	37,00 (370,0)	29,00 (290,0)	21,00 (210,0)	10,00 (100,0)
80,00 (800,0)	80,00 (800,0)	60,00 (600,0)	46,00 (460,0)	32,00 (320,0)	16,40 (164,0)

## 6.2

356

12 1

$\left( \frac{PN}{l^2} \right)$	$P$ , $\left( \frac{l}{l^2} \right)$				
	20°	200°	320°	450°	510°
40,00 (400,0)	40,00 (400,0)	35,00 (350,0)	30,00 (300,0)	23,00 (230,0)	12,00 (120,0)
50,00 (500,0)	50,00 (500,0)	45,00 (450,0)	37,00 (370,0)	29,00 (290,0)	15,00 (150,0)
80,00 (800,0)	80,00 (800,0)	70,00 (700,0)	60,00 (600,0)	46,00 (460,0)	24,00 (240,0)

## 6.3

AISI 321

ASME B16.5

$\left( \frac{l}{l^2} \right)$	ASME B16.5						
	150	300	400	600	900	1500	2500
	-29 38	1,94 (19,40)	5,06 (50,60)	6,75 (67,50)	10,12 (101,20)	15,18 (151,80)	25,31 (253,10)
200	1,41 (14,10)	3,90 (39,00)	5,21 (52,10)	7,81 (78,10)	11,72 (117,20)	19,53 (195,30)	32,54 (325,40)
400	0,66 (6,60)	3,20 (32,00)	4,29 (42,90)	6,44 (64,40)	9,66 (96,60)	16,10 (161,00)	26,84 (268,40)
500	0,29 (2,90)	2,87 (28,70)	3,83 (38,30)	5,76 (57,60)	8,64 (86,40)	14,37 (143,70)	23,96 (239,60)
600	.	2,07 (20,70)	2,75 (27,50)	4,13 (41,30)	6,20 (62,00)	10,33 (103,30)	17,2 (172,23)
700	.	0,80 (8,00)	1,07 (10,70)	1,61 (16,10)	2,42 (24,20)	4,03 (40,30)	6,72 (67,20)

## 6.4

AISI 316Ti, AISI 316H

ASME B16.5

, °	( / °)						
	ASME B16.5						
	150	300	400	600	900	1500	2500
-29 38	1,94 (19,40)	5,06 (50,60)	6,75 (67,50)	10,13 (101,30)	15,18 (151,80)	25,31 (253,10)	42,19 (421,90)
200	1,40 (14,0)	3,64 (36,40)	4,85 (48,50)	7,27 (72,70)	10,91 (109,10)	18,18 (181,80)	30,31 (303,10)
400	0,66 (6,60)	3,00 (30,00)	4,01 (40,10)	6,01 (60,10)	9,00 (90,00)	15,01 (150,10)	25,01 (250,10)
500	0,29 (2,90)	2,88 (28,80)	3,84 (38,40)	5,76 (57,60)	8,64 (86,40)	14,37 (143,70)	23,96 (239,60)
600	.	2,03 (20,30)	2,70 (27,00)	4,06 (40,60)	6,09 (60,90)	10,15 (101,50)	16,92 (169,20)
700	.	0,86 (8,60)	1,14 (11,40)	1,71 (17,10)	2,56 (25,60)	4,27 (42,70)	7,12 (71,20)
800	.	0,36 (3,60)	0,49 (4,90)	0,71 (7,10)	1,07 (10,70)	1,77 (17,70)	2,98 (29,80)

## 6.5

AISI 310S

ASME B16.5

, °	( / °)						
	ASME B16.5						
	150	300	400	600	900	1500	2500
-29 38	1,94 (19,40)	5,06 (50,60)	6,75 (67,50)	10,13 (101,30)	15,18 (151,80)	25,31 (253,10)	42,19 (421,90)
200	1,41 (14,10)	3,84 (38,40)	5,11 (51,10)	7,67 (76,70)	11,50 (115,00)	19,17 (191,70)	31,96 (319,60)
400	0,66 (6,60)	3,30 (33,00)	4,40 (44,00)	6,61 (66,10)	9,920 (99,20)	16,53 (165,30)	27,55 (275,50)
500	0,29 (2,90)	2,88 (28,80)	3,84 (38,40)	5,76 (57,60)	8,64 (86,40)	14,37 (143,70)	23,96 (239,60)
600	.	1,71 (17,10)	2,29 (22,90)	3,42 (34,20)	5,13 (51,30)	8,56 (85,60)	14,26 (142,60)
700	.	0,56 (5,60)	0,75 (7,50)	1,12 (11,20)	1,68 (16,80)	2,81 (28,10)	4,68 (46,80)
800	.	0,22 (2,20)	0,29 (2,90)	0,42 (4,20)	0,63 (6,30)	1,05 (10,50)	1,75 (17,50)

## 6.6

Monel 400

ASME B16.5

, °	( / °)						
	ASME B16.5						
	150	300	400	600	900	1500	2500
-29 38	1,62 (16,20)	4,22 (42,20)	5,63 (56,30)	8,43 (84,30)	12,66 (126,60)	21,09 (210,90)	35,15 (351,50)
100	1,41 (14,10)	3,66 (36,60)	4,89 (48,90)	7,33 (73,30)	10,99 (109,90)	18,33 (183,30)	30,54 (305,40)
200	1,28 (12,80)	3,34 (33,40)	4,45 (44,50)	6,67 (66,70)	10,00 (100,00)	16,67 (166,70)	27,78 (277,80)
300	1,04 (10,40)	3,33 (33,30)	4,40 (44,40)	6,65 (66,50)	9,97 (99,70)	16,62 (166,20)	27,71 (277,10)
375	0,76 (7,60)	3,30 (33,00)	4,41 (44,10)	6,61 (66,10)	9,91 (99,10)	16,51 (165,10)	27,52 (275,20)
400	0,66 (6,60)	3,27 (32,70)	4,36 (43,60)	6,55 (65,50)	9,81 (98,10)	16,36 (163,60)	27,27 (272,70)
475	0,38 (3,80)	2,12 (21,20)	2,83 (28,30)	4,23 (42,30)	6,35 (63,50)	10,59 (105,90)	17,64 (176,40)

## 6.7

Incoloy 800

ASME B16.5

, °	( / °)						
	ASME B16.5						
	150	300	400	600	900	1500	2500
-29 38	1,62 (16,20)	4,22 (42,20)	5,63 (56,30)	8,43 (84,30)	12,66 (126,60)	21,09 (210,90)	35,15 (351,50)
200	1,30 (13,30)	3,46 (34,60)	4,61 (46,10)	6,92 (69,20)	10,38 (103,80)	17,29 (172,90)	28,83 (288,30)
400	0,66 (6,60)	2,89 (28,90)	3,85 (38,50)	5,76 (57,60)	8,65 (86,50)	14,41 (144,10)	24,03 (240,30)
500	0,29 (2,90)	2,68 (26,80)	3,58 (35,80)	5,36 (53,60)	8,06 (80,60)	13,42 (134,20)	22,37 (223,70)
600	.	2,20 (22,00)	2,90 (29,20)	4,38 (43,80)	6,55 (65,50)	10,91 (109,10)	18,20 (182,00)
700	.	1,03 (10,30)	1,37 (13,70)	2,04 (20,40)	3,04 (30,40)	5,07 (50,70)	8,47 (84,70)
800	.	0,36 (3,60)	0,49 (4,90)	0,71 (7,10)	1,07 (10,70)	1,78 (17,80)	2,98 (29,80)

## 6.8

B16.5

Hastelloy C-276, Inconel 625, Incoloy 825

ASME

, °	( / °)						
	ASME B16.5						
	150	300	400	600	900	1500	2500
-29 38	2,04 (20,40)	5,27 (52,70)	7,03 (70,30)	10,54 (105,40)	18,52 (158,20)	26,37 (263,70)	43,94 (439,40)
200	1,41 (14,10)	4,93 (49,30)	6,58 (65,80)	9,86 (98,60)	14,79 (147,90)	24,65 (246,50)	41,07 (410,70)
400	1,04 (10,40)	4,38 (43,80)	5,81 (58,10)	8,74 (87,40)	13,11 (131,10)	21,86 (218,60)	36,41 (364,10)
500	0,66 (6,60)	3,72 (37,20)	4,99 (49,90)	7,45 (74,50)	11,20 (112,00)	18,67 (186,70)	31,09 (310,90)
600	0,29 (2,90)	2,88 (28,80)	3,84 (38,40)	5,76 (57,60)	8,64 (86,40)	14,37 (143,70)	23,96 (239,60)
700	.	2,20 (22,00)	2,92 (29,20)	4,38 (43,80)	6,55 (65,50)	10,91 (109,10)	18,20 (182,00)
800	.	0,90 (9,00)	1,19 (11,90)	1,79 (17,90)	2,68 (26,80)	4,47 (44,70)	7,44 (74,40)

## 6.9

AISI 904L

ASME B16.5

, °	( / °)						
	ASME B16.5						
	150	300	400	600	900	1500	2500
-29 38	2,01 (20,10)	5,23 (52,30)	6,98 (69,80)	10,46 (104,60)	15,69 (156,90)	26,16 (261,60)	43,59 (435,90)
100	1,60 (16,00)	4,19 (41,90)	5,58 (55,80)	8,37 (83,70)	12,56 (125,60)	20,94 (209,40)	34,88 (348,80)
200	1,36 (13,60)	3,54 (35,40)	4,71 (47,10)	7,07 (70,70)	10,60 (106,00)	17,68 (176,80)	29,46 (294,60)
300	1,04 (10,40)	3,06 (30,60)	4,08 (40,80)	6,12 (61,20)	9,18 (91,80)	15,31 (153,10)	25,50 (255,00)
375	0,76 (7,60)	2,88 (28,80)	3,84 (38,40)	5,76 (57,60)	8,64 (86,40)	14,40 (144,00)	24,00 (240,00)