

## Table for PP

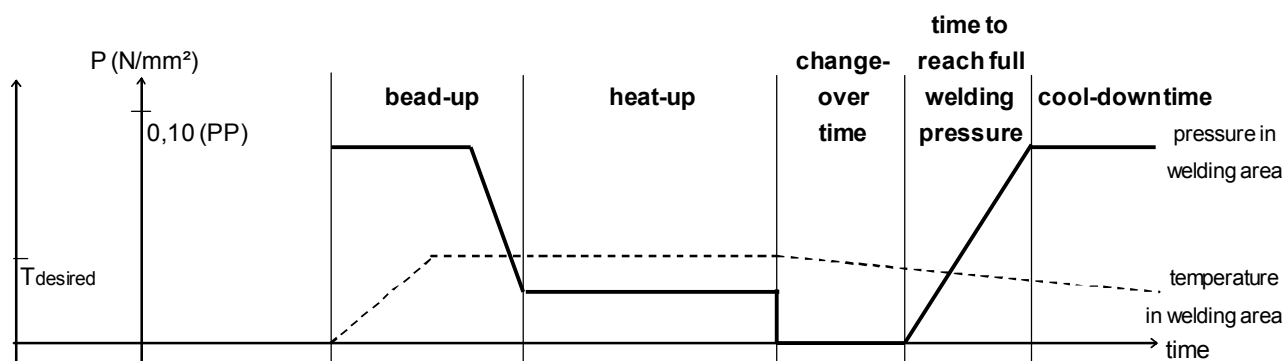


Foundation: 2207, 2208 DIN 16932 German association for welding  
 Use for: **8000** DA 450 - 800 (valid from 2000-07 to 2009-05)  
**10000** DA 500 - 1000 (valid from 2000-07)  
**12000** DA 800 - 1200 (valid from 2000-07)

1 bar on manometer: **463 N**

The standard value for heating element temperature is 210° C +/- 10° C.  
 The **smaller** the pipe wall the **higher** the temperature.

Additional to the given bead-up force and to the welding force the moving force of the support must be added !



pipe diameter OD [mm]	pipe wall (s) [mm]	SDR	bead-up pressure [bar]	circular bead min. [mm]	heat-up time [s]	max. change-over time [s]	time to reach welding pressure [s]	welding pressure [bar]	cool-down time [min]
<b>450</b>	11,0	41	4	1,0	231	7	10	4	18
	13,8	33	5	1,0	267	8	13	5	23
	17,2	26	6	1,0	308	8	15	6	27
	25,5	17,6	8	1,5	395	11	22	8	39
	40,9	11	12	2,5	531	16	39	12	64
<b>500</b>	12,3	41	5	1,0	249	7	11	5	20
	15,3	33	6	1,0	285	8	14	6	25
	19,1	26	7	1,5	331	9	17	7	30
	28,4	17,6	10	2,0	419	12	24	10	43
<b>560</b>	13,7	41	6	1,0	266	7	12	6	22
	17,2	33	7	1,0	308	8	15	7	27
	21,4	26	8	1,5	354	10	19	8	33
	31,7	17,6	12	2,0	444	13	27	12	48
<b>630</b>	15,4	41	7	1,0	286	8	14	7	25
	19,3	33	8	1,5	333	9	17	8	30
	24,1	26	10	1,5	381	10	21	10	37
	35,7	17,6	15	2,0	475	14	31	15	53
<b>710</b>	17,4	41	9	1,0	311	9	16	9	28
	21,8	33	11	1,5	358	10	19	11	34
	27,2	26	13	2,0	409	11	23	13	42
	40,2	17,6	19	2,5	503	15	35	19	59
<b>800</b>	19,6	41	11	1,5	338	9	18	11	31
	24,5	33	13	1,5	385	11	21	13	38
	30,6	26	16	2,0	436	12	26	16	46
	45,3	17,6	24	2,5	533	16	39	24	65

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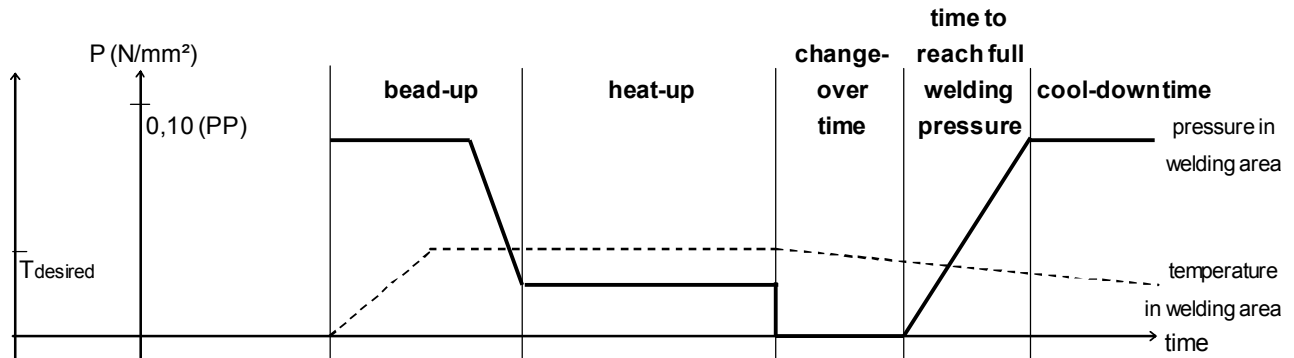


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<b>900</b>	22,0	41	14	1,5	360	10	19	14	34
	27,6	33	17	2,0	412	11	23	17	42
	34,4	26	21	2,0	465	13	30	21	51
	51,0	17,6	30	3,0	564	17	44	30	71
<b>1000</b>	24,5	41	17	1,5	385	11	21	17	38
	30,6	33	21	2,0	436	12	26	21	46
	38,2	26	25	2,5	492	14	33	25	56
<b>1200</b>	29,4	41	24	2,0	426	12	25	24	45
	36,7	33	29	2,0	483	14	32	29	55
	45,9	26	36	2,5	536	16	40	36	65

**① Remaining under the cool-down time for up to 50% is allowed under the following conditions:**

- prefabrication under workshop conditions
- low additional pressure at unclamping
- no additional pressure during further cooling down
- load onto the workpieces only after being completely cooled down