



**ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE**

Fakulta stavební

Katedra ocelových a dřevěných konstrukcí

**Únavová životnost železničního mostu v Púchově**

## **PŘÍLOHA E**

### **HODNOTY NAPĚTÍ NA DETAILECH A POUŽITÍ METODY HOT-SPOT**



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z	maximální napětí [MPa]		
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$
198	130,525	126,377	133,304
192	131,042	127,266	133,572
186	<b>131,444</b>	<b>128,174</b>	<b>133,635</b>
180	131,709	129,098	133,458
174	131,948	130,037	133,228
168	132,128	130,983	132,895
162	132,221	131,919	132,423
156	132,217	132,837	131,802
150	132,107	133,715	131,030
144	131,844	134,540	130,038
138	131,462	135,298	128,892
132	131,069	135,977	127,781
126	130,703	136,561	126,778
120	130,363	137,040	125,889
114	129,959	137,407	124,969
108	129,456	137,655	123,963
12	122,980	134,189	115,470
6	122,848	134,098	115,311
0	122,855	134,060	115,348
-6	122,985	134,081	115,551
-12	123,112	134,158	115,711
-108	129,199	137,152	123,870
-114	129,686	136,879	124,867
-120	130,077	136,487	125,782
-126	130,416	135,985	126,685
-132	130,743	135,376	127,639
-138	131,089	134,670	128,690
-144	131,444	133,881	129,811
-150	131,679	133,024	130,778
-156	131,779	132,112	131,556
-162	131,758	131,162	132,157
-168	131,644	130,186	132,621
-174	131,416	129,202	132,899
-180	131,089	128,222	133,010
-186	130,728	127,254	133,056
-192	130,317	126,300	133,008
-198	129,850	125,365	132,855

Tab. 1: Metoda hot-spot na T6, ZS1



z	maximální napětí [MPa]		
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$
294	40,510	42,444	39,215
288	40,636	42,520	39,373
282	40,633	42,399	39,450
276	<b>40,527</b>	<b>42,125</b>	<b>39,456</b>
270	40,314	41,736	39,361
264	40,011	41,265	39,171
198	36,046	36,291	35,882
192	35,804	36,064	35,630
186	35,560	35,888	35,340
180	35,315	35,759	35,016
174	35,119	35,678	34,745
168	34,959	35,640	34,504
162	34,810	35,635	34,258
156	34,660	35,654	33,994
150	34,502	35,682	33,712
144	34,314	35,704	33,383
12	28,070	29,750	26,945
6	27,989	29,671	26,861
0	27,965	29,631	26,849
-6	27,994	29,629	26,898
-12	28,041	29,665	26,953
-144	33,380	34,452	32,661
-150	33,524	34,377	32,952
-156	33,639	34,293	33,201
-162	33,746	34,216	33,431
-168	33,853	34,156	33,650
-174	33,955	34,127	33,840
-180	34,069	34,137	34,024
-186	34,223	34,190	34,244
-192	34,406	34,289	34,485
-198	34,615	34,434	34,737
-264	37,540	38,096	37,167
-270	37,712	38,424	37,234
-276	37,804	38,679	37,217
-282	37,808	38,837	37,118
-288	37,706	38,867	36,929
-294	37,487	38,734	36,652

Tab. 2: Metoda hot-spot na T6, ZS2



z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	52,303	50,437	53,552	-46,822	-44,540	-48,350	101,903
192	52,557	50,844	53,706	-47,203	-45,096	-48,615	102,321
186	52,763	51,254	53,774	-47,534	-45,636	-48,806	102,580
180	<b>52,911</b>	<b>51,666</b>	<b>53,744</b>	<b>-47,798</b>	<b>-46,158</b>	<b>-48,897</b>	<b>102,642</b>
174	53,044	52,081	53,688	-48,019	-46,662	-48,929	102,617
168	53,148	52,495	53,586	-48,191	-47,146	-48,890	102,476
162	53,213	52,901	53,422	-48,310	-47,607	-48,781	102,203
156	53,237	53,296	53,197	-48,381	-48,045	-48,606	101,803
150	53,215	53,674	52,908	-48,402	-48,457	-48,366	101,274
144	53,130	54,029	52,528	-48,363	-48,843	-48,041	100,570
138	52,997	54,357	52,085	-48,282	-49,206	-47,664	99,749
132	52,859	54,654	51,656	-48,195	-49,545	-47,291	98,947
126	52,732	54,915	51,269	-48,114	-49,860	-46,945	98,214
120	52,616	55,137	50,927	-48,043	-50,151	-46,630	97,557
114	52,475	55,317	50,571	-47,961	-50,420	-46,313	96,884
108	52,296	55,453	50,182	-47,859	-50,662	-45,981	96,162
12	50,073	54,631	47,018	-46,752	-51,314	-43,695	90,713
6	50,034	54,617	46,963	-46,712	-51,293	-43,643	90,606
0	50,050	54,622	46,987	-46,707	-51,279	-43,644	90,632
-6	50,115	54,650	47,077	-46,733	-51,274	-43,691	90,768
-12	50,178	54,698	47,149	-46,750	-51,277	-43,717	90,866
-108	52,647	55,954	50,431	-47,415	-50,305	-45,478	95,909
-114	52,843	55,838	50,837	-47,499	-50,046	-45,793	96,630
-120	53,001	55,675	51,210	-47,566	-49,762	-46,095	97,304
-126	53,140	55,470	51,578	-47,628	-49,456	-46,403	97,981
-132	53,274	55,223	51,969	-47,690	-49,128	-46,727	98,695
-138	53,419	54,938	52,401	-47,758	-48,775	-47,076	99,477
-144	53,568	54,621	52,863	-47,825	-48,400	-47,440	100,303
-150	53,668	54,276	53,261	-47,850	-48,000	-47,749	101,011
-156	53,712	53,908	53,581	-47,825	-47,576	-47,992	101,573
-162	53,705	53,523	53,826	-47,747	-47,128	-48,161	101,988
-168	53,658	53,126	54,014	-47,620	-46,657	-48,266	102,279
-174	53,563	52,724	54,125	-47,439	-46,164	-48,294	102,419
-180	53,425	52,321	54,165	-47,202	-45,652	-48,240	102,405
-186	53,272	51,919	54,177	-46,923	-45,122	-48,130	102,307
-192	53,095	51,521	54,149	-46,599	-44,573	-47,957	102,106
-198	52,893	51,127	54,075	-46,235	-44,010	-47,725	101,801

Tab. 3: Metoda hot-spot na T6, ZS3



z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	53,078	51,188	54,345	-46,865	-44,586	-48,391	102,737
192	53,336	51,599	54,500	-47,245	-45,140	-48,655	103,155
186	53,543	52,014	54,568	-47,574	-45,678	-48,844	103,412
180	<b>53,692</b>	<b>52,431</b>	<b>54,537</b>	<b>-47,837</b>	<b>-46,199</b>	<b>-48,934</b>	<b>103,472</b>
174	53,826	52,850	54,479	-48,057	-46,702	-48,965	103,444
168	53,931	53,269	54,374	-48,227	-47,186	-48,925	103,300
162	53,996	53,680	54,208	-48,346	-47,646	-48,815	103,023
156	54,019	54,080	53,979	-48,416	-48,083	-48,640	102,618
150	53,997	54,462	53,685	-48,437	-48,494	-48,398	102,083
144	53,910	54,821	53,299	-48,397	-48,880	-48,074	101,372
138	53,773	55,153	52,849	-48,316	-49,242	-47,695	100,544
132	53,632	55,453	52,412	-48,228	-49,580	-47,322	99,734
126	53,503	55,717	52,019	-48,146	-49,894	-46,975	98,994
120	53,384	55,941	51,671	-48,073	-50,184	-46,659	98,330
114	53,240	56,122	51,309	-47,990	-50,452	-46,341	97,650
108	53,058	56,258	50,914	-47,887	-50,693	-46,008	96,921
12	50,785	55,403	47,691	-46,761	-51,325	-43,703	91,394
6	50,745	56,836	46,664	-46,721	-51,304	-43,650	90,314
0	50,761	55,392	47,658	-46,716	-51,289	-43,651	91,309
-6	50,826	55,418	47,748	-46,741	-51,284	-43,697	91,446
-12	50,888	55,467	47,820	-46,758	-51,288	-43,723	91,543
-108	53,383	56,728	51,142	-47,430	-50,330	-45,487	96,629
-114	53,582	56,610	51,553	-47,515	-50,072	-45,803	97,356
-120	53,742	56,445	51,931	-47,583	-49,789	-46,105	98,035
-126	53,882	56,236	52,304	-47,645	-49,483	-46,413	98,717
-132	54,018	55,985	52,700	-47,708	-49,155	-46,738	99,438
-138	54,164	55,696	53,137	-47,776	-48,804	-47,088	100,225
-144	54,315	55,374	53,605	-47,844	-48,428	-47,452	101,058
-150	54,416	55,024	54,008	-47,869	-48,029	-47,762	101,771
-156	54,460	54,650	54,332	-47,845	-47,606	-48,006	102,338
-162	54,452	54,260	54,580	-47,768	-47,158	-48,176	102,756
-168	54,404	53,857	54,770	-47,642	-46,688	-48,281	103,051
-174	54,307	53,449	54,883	-47,462	-46,195	-48,310	103,193
-180	54,167	53,040	54,922	-47,225	-45,684	-48,258	103,180
-186	54,011	52,633	54,935	-46,947	-45,154	-48,148	103,083
-192	53,832	52,228	54,906	-46,625	-44,607	-47,977	102,883
-198	53,626	51,829	54,830	-46,262	-44,045	-47,747	102,578

Tab. 4: Metoda hot-spot na T6, ZS4





z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	50,637	49,473	51,417	-45,746	-43,526	-47,234	98,651
192	50,729	49,729	51,400	-46,114	-44,063	-47,488	98,887
186	50,875	49,971	51,481	-46,432	-44,585	-47,669	99,150
180	51,009	50,210	51,545	-46,686	-45,090	-47,755	99,300
174	51,087	50,466	51,503	-46,898	-45,578	-47,783	99,286
168	51,108	50,732	51,360	-47,062	-46,047	-47,742	99,102
162	51,093	50,992	51,160	-47,175	-46,493	-47,631	98,791
156	51,039	51,244	50,901	-47,240	-46,917	-47,457	98,358
150	50,952	51,478	50,599	-47,258	-47,316	-47,219	97,818
144	57,148	58,087	56,518	-47,216	-47,690	-46,899	103,418
138	57,005	58,441	56,044	-47,134	-48,040	-46,528	102,571
132	56,858	58,761	55,583	-47,046	-48,366	-46,161	101,744
126	56,722	59,042	55,168	-46,962	-48,670	-45,819	100,987
120	56,598	59,282	54,799	-46,888	-48,949	-45,507	100,306
114	56,447	59,477	54,417	-46,803	-49,206	-45,192	99,610
108	56,257	59,625	54,000	-46,699	-49,437	-44,864	98,863
12	53,874	58,746	50,609	-45,531	-49,989	-42,544	93,153
6	53,829	58,726	50,548	-45,488	-49,965	-42,489	93,037
0	53,844	58,727	50,571	-45,479	-49,947	-42,485	93,057
-6	53,909	58,751	50,665	-45,499	-49,939	-42,525	93,190
-12	53,972	58,798	50,738	-45,511	-49,938	-42,545	93,282
-108	56,511	59,995	54,177	-46,115	-48,958	-44,211	98,387
-114	56,715	59,861	54,607	-46,197	-48,704	-44,517	99,124
-120	56,878	59,678	55,002	-46,261	-48,426	-44,810	99,812
-126	57,021	59,450	55,394	-46,321	-48,127	-45,110	100,504
-132	57,160	59,179	55,808	-46,381	-47,806	-45,426	101,234
-138	57,309	58,867	56,265	-46,446	-47,461	-45,766	102,031
-144	57,462	58,520	56,754	-46,510	-47,093	-46,119	102,873
-150	57,563	58,143	57,174	-46,533	-46,702	-46,420	103,594
-156	<b>57,603</b>	<b>57,742</b>	<b>57,510</b>	<b>-46,508</b>	<b>-46,287</b>	<b>-46,657</b>	<b>104,166</b>
-162	51,435	51,426	51,441	-46,432	-45,849	-46,822	98,263
-168	51,472	51,174	51,672	-46,308	-45,388	-46,925	98,596
-174	51,458	50,918	51,820	-46,132	-44,906	-46,953	98,773
-180	51,385	50,663	51,869	-45,901	-44,406	-46,903	98,773
-186	51,312	50,411	51,916	-45,630	-43,888	-46,797	98,713
-192	51,248	50,162	51,976	-45,315	-43,353	-46,630	98,606
-198	51,164	49,925	51,994	-44,960	-42,803	-46,405	98,399

Tab. 5: Metoda hot-spot na T6, ZS5



# ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE

Fakulta stavební

Katedra ocelových a dřevěných konstrukcí

## Únavová životnost železničního mostu v Púchově

z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	53,148	51,240	54,427	-45,543	-43,335	-47,023	101,450
192	53,407	51,673	54,569	-45,909	-43,869	-47,275	101,844
186	53,616	52,091	54,638	-46,225	-44,388	-47,456	102,094
180	<b>53,767</b>	<b>52,510</b>	<b>54,608</b>	<b>-46,478</b>	<b>-44,891</b>	<b>-47,541</b>	<b>102,149</b>
174	53,901	52,932	54,550	-46,689	-45,376	-47,568	102,118
168	54,006	53,352	54,445	-46,851	-45,843	-47,526	101,971
162	54,072	53,764	54,278	-46,963	-46,287	-47,416	101,694
156	54,095	54,166	54,047	-47,028	-46,709	-47,243	101,290
150	54,072	54,549	53,753	-47,045	-47,105	-47,005	100,758
144	53,985	54,909	53,366	-47,004	-47,477	-46,687	100,052
138	53,848	55,242	52,915	-46,922	-47,825	-46,316	99,231
132	53,707	55,543	52,477	-46,833	-48,150	-45,950	98,428
126	53,577	55,807	52,083	-46,750	-48,452	-45,609	97,692
120	53,458	56,032	51,733	-46,675	-48,730	-45,299	97,032
114	53,314	56,214	51,371	-46,590	-48,985	-44,985	96,356
108	53,131	56,351	50,974	-46,486	-49,215	-44,657	95,631
12	50,854	55,487	47,749	-45,314	-49,756	-42,338	90,088
6	50,812	55,469	47,692	-45,271	-49,731	-42,283	89,974
0	50,826	55,471	47,714	-45,261	-49,714	-42,278	89,992
-6	50,889	55,495	47,803	-45,281	-49,704	-42,317	90,120
-12	50,949	55,540	47,873	-45,292	-49,703	-42,336	90,209
-108	53,397	56,731	51,164	-45,880	-48,714	-43,981	95,145
-114	53,593	56,608	51,573	-45,961	-48,461	-44,285	95,859
-120	53,751	56,439	51,949	-46,024	-48,184	-44,577	96,526
-126	53,889	56,227	52,322	-46,083	-47,885	-44,875	97,197
-132	54,023	55,973	52,716	-46,142	-47,564	-45,189	97,905
-138	54,166	55,680	53,151	-46,206	-47,221	-45,527	98,678
-144	54,314	55,354	53,617	-46,270	-46,854	-45,879	99,495
-150	54,412	55,000	54,017	-46,293	-46,464	-46,178	100,195
-156	54,453	54,623	54,338	-46,268	-46,051	-46,413	100,751
-162	54,442	54,229	54,585	-46,191	-45,614	-46,578	101,162
-168	54,390	53,822	54,771	-46,068	-45,155	-46,679	101,450
-174	54,290	53,409	54,881	-45,892	-44,675	-46,707	101,588
-180	54,146	52,995	54,917	-45,662	-44,176	-46,657	101,574
-186	53,985	52,582	54,925	-45,391	-43,660	-46,551	101,476
-192	53,800	52,172	54,891	-45,078	-43,127	-46,385	101,275
-198	53,588	51,766	54,810	-44,724	-42,579	-46,161	100,970

Tab. 6: Metoda hot-spot na T6, ZS6



# ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE

Fakulta stavební

Katedra ocelových a dřevěných konstrukcí

## Únavová životnost železničního mostu v Púchově

z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	59,383	57,220	60,833	-52,321	-49,783	-54,022	114,854
192	59,682	57,692	61,016	-52,739	-50,391	-54,311	115,327
186	59,926	58,168	61,103	-53,099	-50,981	-54,519	115,622
180	<b>60,102</b>	<b>58,644</b>	<b>61,079</b>	<b>-53,387</b>	<b>-51,552</b>	<b>-54,616</b>	<b>115,695</b>
174	60,260	59,122	61,022	-53,628	-52,105	-54,649	115,670
168	60,383	59,597	60,909	-53,814	-52,636	-54,604	115,513
162	60,461	60,063	60,728	-53,944	-53,142	-54,481	115,208
156	60,491	60,516	60,475	-54,019	-53,622	-54,285	114,760
150	60,470	60,948	60,150	-54,039	-54,073	-54,016	114,166
144	60,376	61,354	59,721	-53,992	-54,497	-53,653	113,375
138	60,228	61,729	59,222	-53,898	-54,893	-53,231	112,453
132	60,074	62,069	58,737	-53,796	-55,263	-52,814	111,551
126	59,932	62,369	58,300	-53,702	-55,605	-52,426	110,726
120	59,802	62,624	57,911	-53,617	-55,920	-52,074	109,985
114	59,645	62,834	57,509	-53,519	-56,209	-51,717	109,226
108	59,446	62,993	57,069	-53,399	-56,468	-51,343	108,413
12	56,968	62,108	53,524	-52,026	-57,032	-48,672	102,196
6	56,922	62,087	53,461	-51,976	-57,003	-48,607	102,069
0	56,938	62,088	53,486	-51,964	-56,982	-48,602	102,089
-6	57,007	62,114	53,585	-51,987	-56,971	-48,648	102,233
-12	57,073	62,162	53,663	-52,000	-56,970	-48,671	102,333
-108	59,730	63,382	57,283	-52,700	-55,881	-50,569	107,852
-114	59,944	63,237	57,737	-52,793	-55,595	-50,915	108,652
-120	60,115	63,041	58,154	-52,865	-55,280	-51,246	109,400
-126	60,265	62,798	58,567	-52,931	-54,941	-51,585	110,152
-132	60,410	62,509	59,004	-52,998	-54,576	-51,941	110,944
-138	60,566	62,178	59,485	-53,071	-54,184	-52,325	111,810
-144	60,726	61,810	60,000	-53,143	-53,766	-52,725	112,725
-150	60,830	61,411	60,441	-53,168	-53,321	-53,065	113,506
-156	60,871	60,985	60,794	-53,138	-52,850	-53,331	114,126
-162	60,853	60,540	61,063	-53,049	-52,352	-53,516	114,579
-168	60,790	60,080	61,265	-52,906	-51,828	-53,629	114,894
-174	60,671	59,611	61,380	-52,704	-51,280	-53,658	115,038
-180	60,501	59,141	61,413	-52,439	-50,712	-53,597	115,009
-186	60,312	58,671	61,411	-52,129	-50,124	-53,473	114,884
-192	60,094	58,203	61,362	-51,771	-49,517	-53,281	114,643
-198	59,847	57,738	61,259	-51,367	-47,893	-53,694	114,954

Tab. 7: Metoda hot-spot na T6, ZS7



# ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE

Fakulta stavební

Katedra ocelových a dřevěných konstrukcí

## Únavová životnost železničního mostu v Púchově

z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	54,404	52,416	55,736	-45,282	-43,085	-46,755	102,491
192	54,687	52,860	55,911	-45,653	-43,625	-47,011	102,922
186	54,917	53,305	55,997	-45,973	-44,149	-47,195	103,192
180	<b>55,085</b>	<b>53,751</b>	<b>55,979</b>	<b>-46,229</b>	<b>-44,656</b>	<b>-47,283</b>	<b>103,262</b>
174	55,236	54,197	55,932	-46,443	-45,146	-47,313	103,245
168	55,355	54,640	55,833	-46,609	-45,616	-47,274	103,107
162	55,431	55,073	55,670	-46,724	-46,064	-47,167	102,837
156	55,463	55,495	55,442	-46,793	-46,489	-46,996	102,438
150	55,447	55,896	55,146	-46,813	-46,888	-46,762	101,908
144	55,364	56,274	54,755	-46,775	-47,264	-46,447	101,202
138	55,231	56,625	54,298	-46,696	-47,615	-46,080	100,378
132	55,094	56,943	53,855	-46,612	-47,945	-45,718	99,574
126	54,969	57,225	53,457	-46,533	-48,251	-45,382	98,839
120	54,855	57,468	53,105	-46,464	-48,535	-45,077	98,182
114	54,717	57,668	52,740	-46,385	-48,796	-44,769	97,508
108	54,540	57,824	52,340	-46,287	-49,033	-44,447	96,786
12	52,350	57,129	49,147	-45,229	-49,680	-42,247	91,394
6	52,310	57,114	49,091	-45,191	-49,659	-42,197	91,288
0	52,327	57,118	49,116	-45,186	-49,645	-42,199	91,315
-6	52,392	57,144	49,209	-45,211	-49,639	-42,244	91,453
-12	52,455	57,191	49,282	-45,227	-49,641	-42,269	91,551
-108	54,865	58,278	52,578	-45,850	-48,663	-43,965	96,544
-114	55,058	58,139	52,994	-45,931	-48,410	-44,270	97,264
-120	55,212	57,955	53,375	-45,995	-48,132	-44,563	97,937
-126	55,347	57,727	53,753	-46,054	-47,834	-44,861	98,614
-132	55,479	57,458	54,153	-46,114	-47,514	-45,175	99,328
-138	55,621	57,150	54,596	-46,179	-47,171	-45,513	100,110
-144	55,768	56,809	55,071	-46,243	-46,806	-45,866	100,936
-150	55,864	56,440	55,478	-46,267	-46,418	-46,166	101,643
-156	55,900	56,047	55,802	-46,242	-46,006	-46,401	102,203
-162	55,883	55,635	56,049	-46,166	-45,571	-46,565	102,614
-168	55,823	55,210	56,234	-46,043	-45,113	-46,665	102,899
-174	55,712	54,776	56,338	-45,866	-44,634	-46,692	103,031
-180	55,554	54,340	56,366	-45,635	-44,136	-46,640	103,007
-186	55,377	53,904	56,364	-45,364	-43,620	-46,532	102,896
-192	55,174	53,469	56,316	-45,049	-43,086	-46,364	102,680
-198	54,943	53,036	56,220	-44,693	-42,537	-46,138	102,358

Tab. 8: Metoda hot-spot na T6, ZS8



z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	53,706	51,747	55,019	-46,874	-44,622	-48,384	103,403
192	53,988	52,188	55,194	-47,247	-45,168	-48,640	103,834
186	54,218	52,632	55,281	-47,570	-45,699	-48,823	104,104
180	<b>54,386</b>	<b>53,074</b>	<b>55,265</b>	<b>-47,827</b>	<b>-46,213</b>	<b>-48,908</b>	<b>104,173</b>
174	54,536	53,517	55,218	-48,042	-46,711	-48,933	104,152
168	54,653	53,956	55,121	-48,207	-47,189	-48,889	104,010
162	54,729	54,385	54,959	-48,322	-47,645	-48,775	103,734
156	54,760	54,802	54,732	-48,388	-48,078	-48,595	103,327
150	54,744	55,200	54,439	-48,405	-48,485	-48,350	102,789
144	54,662	55,573	54,051	-48,362	-48,867	-48,023	102,074
138	54,530	55,919	53,599	-48,277	-49,225	-47,641	101,240
132	54,394	56,234	53,161	-48,185	-49,559	-47,265	100,425
126	54,270	56,514	52,766	-48,099	-49,868	-46,914	99,680
120	54,156	56,754	52,416	-48,022	-50,153	-46,595	99,011
114	54,019	56,953	52,053	-47,934	-50,414	-46,273	98,326
108	53,844	57,108	51,657	-47,826	-50,648	-45,936	97,593
12	51,665	56,411	48,485	-46,624	-51,189	-43,565	92,050
6	51,622	56,391	48,426	-46,582	-51,165	-43,511	91,936
0	51,634	56,391	48,447	-46,574	-51,149	-43,509	91,956
-6	51,695	56,412	48,534	-46,597	-51,141	-43,552	92,086
-12	51,752	56,453	48,602	-46,611	-51,143	-43,575	92,177
-108	54,025	57,395	51,767	-47,294	-50,208	-45,342	97,109
-114	54,209	57,250	52,172	-47,381	-49,953	-45,658	97,831
-120	54,356	57,060	52,545	-47,451	-49,673	-45,962	98,507
-126	54,484	56,828	52,914	-47,515	-49,370	-46,272	99,186
-132	54,610	56,555	53,306	-47,579	-49,044	-46,597	99,903
-138	54,745	56,246	53,739	-47,648	-48,694	-46,948	100,687
-144	54,885	55,903	54,202	-47,717	-48,320	-47,312	101,515
-150	54,974	55,533	54,600	-47,743	-47,922	-47,623	102,222
-156	55,005	55,139	54,916	-47,720	-47,500	-47,868	102,783
-162	54,983	54,726	55,155	-47,644	-47,054	-48,040	103,194
-168	54,918	54,299	55,333	-47,520	-46,585	-48,147	103,480
-174	54,803	53,864	55,431	-47,343	-46,095	-48,179	103,610
-180	54,640	53,426	55,454	-47,110	-45,586	-48,131	103,584
-186	54,458	52,986	55,444	-46,835	-45,060	-48,025	103,469
-192	54,250	52,547	55,390	-46,518	-44,517	-47,858	103,248
-198	54,012	52,109	55,287	-46,159	-43,959	-47,632	102,919

Tab. 9: Metoda hot-spot na T6, ZS9



z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	54,250	52,308	55,552	-48,569	-46,195	-50,159	105,711
192	54,521	52,737	55,716	-48,963	-46,769	-50,433	106,149
186	54,740	53,169	55,793	-49,304	-47,326	-50,630	106,422
180	<b>54,899</b>	<b>53,603</b>	<b>55,767</b>	<b>-49,577</b>	<b>-47,865</b>	<b>-50,724</b>	<b>106,490</b>
174	55,040	54,038	55,712	-49,805	-48,385	-50,756	106,468
168	55,151	54,471	55,607	-49,981	-48,885	-50,715	106,322
162	55,221	54,895	55,439	-50,103	-49,360	-50,601	106,040
156	55,247	55,308	55,207	-50,175	-49,811	-50,418	105,625
150	55,227	55,702	54,908	-50,195	-50,236	-50,167	105,075
144	55,139	56,072	54,514	-50,152	-50,634	-49,829	104,344
138	55,002	56,415	54,056	-50,066	-51,006	-49,436	103,492
132	54,860	56,725	53,611	-49,973	-51,355	-49,048	102,658
126	54,730	56,998	53,210	-49,887	-51,678	-48,686	101,896
120	54,611	57,231	52,855	-49,810	-51,977	-48,357	101,212
114	54,467	57,422	52,487	-49,721	-52,252	-48,025	100,512
108	54,284	57,567	52,084	-49,612	-52,500	-47,677	99,761
12	51,995	56,733	48,821	-48,389	-53,113	-45,224	94,046
6	51,952	56,713	48,762	-48,343	-53,087	-45,164	93,927
0	51,966	56,714	48,785	-48,333	-53,069	-45,159	93,944
-6	52,029	56,737	48,875	-48,353	-53,059	-45,201	94,076
-12	52,089	56,782	48,946	-48,365	-53,057	-45,221	94,166
-108	54,521	57,910	52,250	-48,963	-51,970	-46,948	99,198
-114	54,716	57,778	52,665	-49,046	-51,697	-47,270	99,935
-120	54,873	57,600	53,046	-49,111	-51,399	-47,578	100,624
-126	55,009	57,377	53,423	-49,172	-51,078	-47,894	101,317
-132	55,142	57,113	53,822	-49,233	-50,734	-48,227	102,049
-138	55,285	56,810	54,263	-49,300	-50,366	-48,585	102,848
-144	55,433	56,473	54,735	-49,366	-49,973	-48,959	103,694
-150	55,529	56,108	55,141	-49,389	-49,557	-49,276	104,417
-156	55,567	55,719	55,465	-49,360	-49,114	-49,525	104,990
-162	55,552	55,312	55,712	-49,277	-48,647	-49,698	105,410
-168	55,495	54,892	55,898	-49,143	-48,156	-49,804	105,702
-174	55,387	54,465	56,005	-48,953	-47,642	-49,831	105,836
-180	55,234	54,036	56,037	-48,705	-47,108	-49,774	105,811
-186	55,063	53,608	56,038	-48,413	-46,555	-49,657	105,696
-192	54,867	53,181	55,997	-48,075	-45,983	-49,477	105,473
-198	54,644	52,759	55,907	-47,694	-45,395	-49,234	105,141

Tab. 10: Metoda hot-spot na T6, ZS10



Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	59,248	57,112	60,679	-50,088	-47,665	-51,712	112,391
192	59,536	57,571	60,852	-50,495	-48,259	-51,994	112,846
186	59,770	58,036	60,932	-50,848	-48,835	-52,196	113,128
180	59,939	58,503	60,901	-51,130	-49,393	-52,293	113,194
174	60,090	58,973	60,839	-51,366	-49,932	-52,326	113,165
168	60,209	59,441	60,723	-51,549	-50,451	-52,284	113,007
162	60,284	59,902	60,539	-51,677	-50,945	-52,167	112,707
156	60,311	60,350	60,286	-51,753	-51,413	-51,981	112,266
150	60,289	60,778	59,960	-51,776	-51,855	-51,724	111,684
144	60,194	61,180	59,533	-51,735	-52,269	-51,378	110,911
138	60,045	61,552	59,036	-51,650	-52,657	-50,974	110,010
132	59,891	61,889	58,552	-51,557	-53,021	-50,577	109,129
126	59,748	62,184	58,115	-51,472	-53,358	-50,208	108,323
120	59,616	62,434	57,728	-51,397	-53,671	-49,874	107,601
114	59,457	62,638	57,326	-51,310	-53,959	-49,536	106,862
108	59,255	62,790	56,887	-51,203	-54,218	-49,183	106,070
12	56,770	61,867	53,354	-50,054	-54,924	-46,792	100,146
6	56,729	61,853	53,297	-50,015	-54,903	-46,741	100,037
0	56,751	61,861	53,328	-50,014	-54,890	-46,747	100,075
-6	56,827	61,894	53,433	-50,045	-54,886	-46,802	100,235
-12	56,901	61,951	53,517	-50,067	-54,892	-46,834	100,352
-108	59,768	63,428	57,316	-50,846	-53,906	-48,797	106,113
-114	59,994	63,301	57,779	-50,940	-53,632	-49,136	106,915
-120	60,177	63,121	58,205	-51,014	-53,331	-49,461	107,666
-126	60,338	62,892	58,626	-51,082	-53,007	-49,792	108,418
-132	60,493	62,616	59,071	-51,151	-52,658	-50,140	109,211
-138	60,658	62,297	59,560	-51,225	-52,284	-50,516	110,075
-144	60,827	61,940	60,082	-51,298	-51,884	-50,906	110,988
-150	60,940	61,551	60,531	-51,327	-51,459	-51,238	111,769
-156	60,990	61,136	60,892	-51,301	-51,007	-51,498	112,390
-162	60,983	60,702	61,171	-51,218	-50,530	-51,679	112,850
-168	60,930	60,255	61,383	-51,083	-50,028	-51,790	113,173
-174	<b>60,823</b>	<b>59,801</b>	<b>61,509</b>	<b>-50,890</b>	<b>-49,503</b>	<b>-51,820</b>	<b>113,329</b>
-180	60,668	59,346	61,553	-50,637	-48,957	-51,763	113,316
-186	60,493	58,893	61,566	-50,339	-48,392	-51,644	113,210
-192	60,293	58,443	61,532	-49,994	-47,808	-51,460	112,991
-198	60,064	58,000	61,447	-49,605	-47,207	-51,212	112,658

Tab. 11: Metoda hot-spot na T6, ZS11



z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	58,538	56,442	59,943	-54,778	-52,211	-56,498	116,441
192	58,823	56,897	60,114	-55,195	-52,824	-56,783	116,897
186	59,054	57,356	60,191	-55,555	-53,422	-56,984	117,175
180	<b>59,220</b>	<b>57,818</b>	<b>60,159</b>	<b>-55,840</b>	<b>-54,003</b>	<b>-57,071</b>	<b>117,230</b>
174	59,368	58,281	60,096	-56,080	-54,566	-57,094	117,190
168	59,483	58,743	59,980	-56,266	-55,110	-57,040	117,019
162	59,555	59,196	59,796	-56,394	-55,630	-56,906	116,701
156	59,581	59,637	59,542	-56,467	-56,124	-56,696	116,239
150	59,555	60,058	59,218	-56,484	-56,590	-56,412	115,631
144	59,459	60,454	58,793	-56,431	-57,027	-56,032	114,825
138	59,309	60,819	58,298	-56,330	-57,435	-55,589	113,887
132	59,154	61,149	57,817	-56,221	-57,815	-55,152	112,969
126	59,010	61,440	57,383	-56,118	-58,165	-54,747	112,130
120	58,879	61,685	56,998	-56,026	-58,484	-54,379	111,377
114	58,720	61,885	56,599	-55,920	-58,774	-54,007	110,606
108	58,519	62,035	56,163	-55,789	-59,031	-53,616	109,779
12	56,022	61,076	52,636	-54,316	-59,483	-50,853	103,489
6	55,978	61,055	52,575	-54,270	-59,457	-50,795	103,371
0	55,994	61,057	52,602	-54,268	-59,441	-50,801	103,403
-6	56,063	61,082	52,701	-54,302	-59,438	-50,861	103,562
-12	56,130	61,132	52,779	-54,327	-59,446	-50,898	103,677
-108	58,838	62,436	56,427	-55,387	-58,666	-53,190	109,617
-114	59,055	62,302	56,879	-55,503	-58,393	-53,566	110,445
-120	59,229	62,118	57,294	-55,595	-58,088	-53,925	111,218
-126	59,382	61,886	57,704	-55,680	-57,755	-54,289	111,994
-132	59,530	61,608	58,138	-55,763	-57,392	-54,671	112,810
-138	59,688	61,287	58,616	-55,852	-57,000	-55,083	113,700
-144	59,851	60,930	59,127	-55,940	-56,578	-55,512	114,639
-150	59,958	60,542	59,566	-55,978	-56,128	-55,876	115,443
-156	60,003	60,129	59,918	-55,958	-55,650	-56,163	116,082
-162	59,991	59,696	60,188	-55,877	-55,146	-56,366	116,554
-168	59,934	59,249	60,392	-55,741	-54,616	-56,495	116,887
-174	59,823	58,796	60,511	-55,544	-54,063	-56,536	117,047
-180	59,663	58,341	60,549	-55,284	-53,491	-56,486	117,035
-186	59,485	57,888	60,556	-54,979	-52,900	-56,372	116,928
-192	59,281	57,437	60,516	-54,627	-52,293	-56,191	116,706
-198	59,047	56,992	60,425	-54,229	-51,670	-55,943	116,367

Tab. 12: Metoda hot-spot na T6, ZS12





z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	56,016	54,006	57,362	-49,182	-46,834	-50,755	108,117
192	56,301	54,456	57,537	-49,569	-47,401	-51,021	108,557
186	56,532	54,909	57,620	-49,903	-47,953	-51,210	108,829
180	<b>56,700</b>	<b>55,362</b>	<b>57,597</b>	<b>-50,169</b>	<b>-48,487</b>	<b>-51,296</b>	<b>108,892</b>
174	56,850	55,816	57,543	-50,392	-49,005	-51,321	108,864
168	56,968	56,268	57,437	-50,564	-49,503	-51,275	108,712
162	57,043	56,710	57,266	-50,683	-49,978	-51,155	108,421
156	57,073	57,140	57,027	-50,752	-50,430	-50,967	107,995
150	57,054	57,550	56,721	-50,769	-50,855	-50,711	107,432
144	56,966	57,936	56,316	-50,723	-51,253	-50,368	106,684
138	56,827	58,293	55,845	-50,634	-51,626	-49,969	105,813
132	56,683	58,617	55,387	-50,537	-51,974	-49,575	104,962
126	56,551	58,903	54,976	-50,447	-52,296	-49,209	104,184
120	56,431	59,148	54,611	-50,367	-52,592	-48,876	103,486
114	56,286	59,349	54,233	-50,274	-52,862	-48,539	102,772
108	56,101	59,504	53,821	-50,159	-53,104	-48,186	102,007
12	53,803	58,695	50,526	-48,880	-53,628	-45,699	96,225
6	53,761	58,675	50,469	-48,837	-53,604	-45,643	96,112
0	53,778	58,676	50,496	-48,830	-53,587	-45,643	96,139
-6	53,844	58,699	50,592	-48,856	-53,581	-45,690	96,282
-12	53,908	58,744	50,668	-48,873	-53,584	-45,716	96,384
-108	56,407	59,855	54,096	-49,644	-52,672	-47,615	101,712
-114	56,607	59,714	54,524	-49,738	-52,410	-47,948	102,472
-120	56,766	59,526	54,917	-49,812	-52,121	-48,266	103,183
-126	56,906	59,293	55,306	-49,881	-51,807	-48,590	103,896
-132	57,041	59,018	55,717	-49,950	-51,469	-48,931	104,648
-138	57,186	58,702	56,171	-50,024	-51,105	-49,299	105,470
-144	57,336	58,352	56,655	-50,097	-50,716	-49,682	106,337
-150	57,432	57,972	57,071	-50,126	-50,302	-50,007	107,078
-156	57,468	57,567	57,402	-50,103	-49,863	-50,264	107,666
-162	57,449	57,143	57,654	-50,024	-49,398	-50,444	108,098
-168	57,386	56,706	57,842	-49,896	-48,911	-50,557	108,398
-174	57,270	56,260	57,947	-49,712	-48,401	-50,590	108,538
-180	57,107	55,812	57,974	-49,470	-47,872	-50,540	108,514
-186	56,924	55,364	57,970	-49,185	-47,326	-50,431	108,400
-192	56,714	54,917	57,919	-48,856	-46,762	-50,258	108,177
-198	56,476	54,473	57,817	-48,484	-46,183	-50,025	107,842

Tab. 13: Metoda hot-spot na T6, ZS13



z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
198	56,527	54,469	57,906	-50,613	-48,189	-52,237	110,143
192	56,822	54,931	58,088	-51,005	-48,764	-52,507	110,595
186	57,061	55,394	58,178	-51,344	-49,323	-52,698	110,876
180	<b>57,237</b>	<b>55,857</b>	<b>58,161</b>	<b>-51,613</b>	<b>-49,865</b>	<b>-52,783</b>	<b>110,944</b>
174	57,393	56,320	58,112	-51,838	-50,390	-52,808	110,919
168	57,516	56,780	58,009	-52,011	-50,896	-52,758	110,768
162	57,595	57,230	57,840	-52,130	-51,378	-52,634	110,474
156	57,628	57,667	57,602	-52,198	-51,837	-52,440	110,043
150	57,612	58,084	57,295	-52,213	-52,268	-52,176	109,471
144	57,525	58,476	56,889	-52,164	-52,672	-51,823	108,711
138	57,387	58,839	56,414	-52,069	-53,050	-51,411	107,825
132	57,244	59,169	55,954	-51,966	-53,402	-51,004	106,958
126	57,113	59,461	55,540	-51,869	-53,726	-50,625	106,165
120	56,994	59,712	55,173	-51,782	-54,024	-50,280	105,454
114	56,850	59,920	54,793	-51,682	-54,294	-49,931	104,724
108	56,666	60,081	54,377	-51,559	-54,535	-49,564	103,942
12	54,361	59,322	51,037	-50,137	-54,975	-46,896	97,933
6	54,317	59,302	50,976	-50,087	-54,946	-46,831	97,807
0	54,331	59,303	50,999	-50,075	-54,927	-46,825	97,824
-6	54,396	59,326	51,093	-50,097	-54,918	-46,867	97,960
-12	54,457	59,370	51,165	-50,110	-54,919	-46,888	98,053
-108	56,891	60,418	54,528	-50,875	-54,001	-48,781	103,309
-114	57,088	60,269	54,956	-50,972	-53,735	-49,120	104,076
-120	57,244	60,073	55,348	-51,048	-53,440	-49,445	104,793
-126	57,380	59,832	55,737	-51,118	-53,120	-49,776	105,514
-132	57,513	59,549	56,149	-51,188	-52,774	-50,125	106,275
-138	57,656	59,225	56,605	-51,264	-52,402	-50,501	107,107
-144	57,805	58,867	57,093	-51,339	-52,003	-50,893	107,987
-150	57,900	58,479	57,512	-51,368	-51,579	-51,227	108,739
-156	57,934	58,067	57,845	-51,345	-51,129	-51,490	109,335
-162	57,911	57,635	58,097	-51,266	-50,654	-51,676	109,772
-168	57,845	57,189	58,285	-51,136	-50,154	-51,793	110,077
-174	57,725	56,734	58,389	-50,948	-49,633	-51,829	110,219
-180	57,556	56,276	58,414	-50,703	-49,094	-51,780	110,195
-186	57,368	55,817	58,406	-50,414	-48,536	-51,672	110,079
-192	57,151	55,359	58,352	-50,080	-47,962	-51,499	109,851
-198	56,905	54,904	58,246	-49,703	-47,373	-51,264	109,510

Tab. 14: Metoda hot-spot na T6, ZS14



Únavová životnost železničního mostu v Púchově

strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$
Žilina	-12	117,829	95,609	86,072	152,732
	-14	124,001	98,301	87,443	164,544
	-16	127,056	100,180	88,455	169,083
	-18	128,844	101,287	89,076	171,747
	-20	129,647	101,627	89,268	173,328
	-22	129,701	101,378	89,040	174,009
	-24	128,611	100,350	88,380	173,163
	-26	126,237	98,505	87,305	170,500
-28	120,354	95,768	85,854	159,612	
Púchov	-12	116,693	95,333	86,052	150,131
	-14	122,942	98,047	87,422	162,106
	-16	126,296	99,995	88,451	167,353
	-18	128,404	101,209	89,097	170,682
	-20	129,671	101,709	89,328	173,214
	-22	130,255	101,595	89,131	175,111
	-24	<b>129,749</b>	<b>100,703</b>	<b>88,498</b>	<b>175,636</b>
	-26	127,710	98,931	87,428	173,764
-28	121,833	96,193	85,960	162,879	

Tab. 15: Metoda hot-spot na T9, ZS1

strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$
Žilina	-12	56,486	45,663	40,929	73,398
	-14	59,578	47,005	41,615	79,336
	-16	61,198	47,954	42,123	81,855
	-18	62,209	48,530	42,440	83,479
	-20	62,744	48,730	42,546	84,588
	-22	<b>62,906</b>	<b>48,642</b>	<b>42,446</b>	<b>85,239</b>
	-24	62,493	48,170	42,134	85,102
	-26	61,437	47,292	41,616	84,053
-28	58,588	45,964	40,913	78,784	
Púchov	-12	54,239	44,047	39,497	70,071
	-14	57,305	45,366	40,162	75,977
	-16	59,044	46,325	40,663	78,818
	-18	60,202	46,939	40,980	80,769
	-20	60,962	47,211	41,099	82,352
	-22	61,396	47,190	41,012	83,629
	-24	61,294	46,796	40,716	84,211
	-26	60,441	45,972	40,209	83,614
-28	57,666	44,672	39,508	78,490	

Tab. 16: Metoda hot-spot na T9, ZS2



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	31,680	25,711	23,157	41,062	78,767
		-29,145	-23,726	-21,450	-37,705	
	-14	33,328	26,431	23,524	44,215	84,692
		-30,600	-24,366	-21,777	-40,478	
	-16	34,136	26,932	23,794	45,405	86,818
		-31,271	-24,806	-22,017	-41,413	
	-18	34,602	27,226	23,960	46,089	87,972
		-31,629	-25,056	-22,162	-41,882	
	-20	34,804	27,313	24,010	46,482	88,562
		-31,745	-25,120	-22,204	-42,080	
	-22	34,805	27,243	23,949	46,634	88,7
		-31,682	-25,041	-22,144	-42,067	
	-24	34,501	26,965	23,772	46,380	88,084
		-31,350	-24,776	-21,981	-41,704	
	-26	33,854	26,468	23,483	45,640	86,549
		-30,715	-24,318	-21,719	-40,910	
	-28	32,274	25,735	23,095	42,714	80,946
		-29,274	-23,652	-21,368	-38,233	
Púchov	-12	31,319	25,602	23,123	40,272	77,183
		-28,789	-23,628	-21,428	-36,911	
	-14	32,990	26,329	23,490	43,474	83,213
		-30,270	-24,275	-21,755	-39,739	
	-16	33,886	26,850	23,765	44,872	85,763
		-31,033	-24,735	-21,999	-40,891	
	-18	34,448	27,175	23,938	45,756	87,324
		-31,490	-25,018	-22,152	-41,568	
	-20	34,784	27,309	24,000	46,426	88,475
		-31,742	-25,127	-22,205	-42,049	
	-22	34,938	27,278	23,948	46,926	89,304
		-31,830	-25,089	-22,155	-42,377	
	-24	<b>34,800</b>	<b>27,040</b>	<b>23,778</b>	<b>47,058</b>	<b>89,445</b>
		<b>-31,659</b>	<b>-24,863</b>	<b>-21,999</b>	<b>-42,387</b>	
	-26	34,251	26,565	23,492	46,550	88,382
		-31,125	-24,427	-21,739	-41,832	
	-28	32,677	25,832	23,099	43,633	82,812
		-29,695	-23,763	-21,383	-39,179	

Tab. 17: Metoda hot-spot na T9, ZS3



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	31,897	25,886	23,313	41,345	79,257
		-29,300	-23,849	-21,560	-37,912	
	-14	33,557	26,611	23,682	44,520	85,218
		-30,763	-24,493	-21,888	-40,698	
	-16	34,371	27,116	23,955	45,721	87,357
		-31,437	-24,934	-22,129	-41,636	
	-18	34,842	27,412	24,122	46,413	88,518
		-31,795	-25,185	-22,274	-42,105	
	-20	35,046	27,500	24,173	46,810	89,111
		-31,910	-25,248	-22,316	-42,301	
	-22	35,048	27,430	24,111	46,965	89,249
		-31,845	-25,169	-22,256	-42,284	
	-24	34,742	27,149	23,933	46,711	88,627
		-31,510	-24,902	-22,092	-41,917	
	-26	34,091	26,650	23,642	45,968	87,083
		-30,870	-24,441	-21,828	-41,115	
	-28	32,501	25,911	23,251	43,021	81,443
		-29,420	-23,771	-21,475	-38,422	
Púchov	-12	31,500	25,748	23,252	40,508	77,687
		-29,005	-23,810	-21,597	-37,180	
	-14	33,183	26,479	23,621	43,732	83,761
		-30,496	-24,462	-21,926	-40,029	
	-16	34,086	27,004	23,898	45,143	86,332
		-31,265	-24,926	-22,172	-41,189	
	-18	34,653	27,332	24,072	46,036	87,907
		-31,726	-25,211	-22,326	-41,872	
	-20	34,993	27,467	24,135	46,715	89,072
		-31,980	-25,321	-22,379	-42,357	
	-22	35,150	27,436	24,082	47,222	89,911
		-32,069	-25,282	-22,329	-42,689	
	-24	<b>35,012</b>	<b>27,196</b>	<b>23,912</b>	<b>47,358</b>	<b>90,058</b>
		<b>-31,898</b>	<b>-25,055</b>	<b>-22,172</b>	<b>-42,700</b>	
	-26	34,461	26,719	23,623	46,850	88,992
		-31,361	-24,616	-21,909	-42,142	
	-28	32,877	25,981	23,228	43,915	83,386
		-29,921	-23,947	-21,551	-39,471	

Tab. 18: Metoda hot-spot na T9, ZS4



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	31,794	25,803	23,239	41,210	79,187
		-29,352	-23,893	-21,600	-37,976	
	-14	33,448	26,525	23,607	44,374	85,143
		-30,818	-24,538	-21,929	-40,769	
	-16	34,258	27,028	23,879	45,568	87,28
		-31,494	-24,981	-22,170	-41,711	
	-18	34,726	27,323	24,045	46,255	88,439
		-31,855	-25,232	-22,317	-42,184	
	-20	34,928	27,411	24,096	46,649	89,031
		-31,971	-25,296	-22,359	-42,383	
	-22	34,929	27,340	24,034	46,801	89,17
		-31,907	-25,217	-22,299	-42,369	
	-24	34,624	27,061	23,856	46,546	88,548
		-31,573	-24,950	-22,134	-42,003	
	-26	33,975	26,563	23,567	45,803	87,005
		-30,933	-24,489	-21,870	-41,202	
	-28	32,389	25,826	23,177	42,865	81,371
		-29,481	-23,818	-21,517	-38,506	
Púchov	-12	31,455	25,715	23,226	40,445	77,642
		-29,013	-23,813	-21,597	-37,197	
	-14	33,133	26,445	23,594	43,660	83,708
		-30,506	-24,465	-21,926	-40,048	
	-16	34,032	26,968	23,871	45,064	86,273
		-31,275	-24,929	-22,172	-41,209	
	-18	34,596	27,294	24,044	45,950	87,843
		-31,736	-25,214	-22,326	-41,893	
	-20	34,934	27,429	24,107	46,623	89,000
		-31,991	-25,325	-22,379	-42,378	
	-22	35,088	27,398	24,054	47,124	89,834
		-32,080	-25,286	-22,329	-42,710	
	-24	<b>34,949</b>	<b>27,158</b>	<b>23,884</b>	<b>47,256</b>	<b>89,977</b>
		<b>-31,908</b>	<b>-25,059</b>	<b>-22,172</b>	<b>-42,721</b>	
	-26	34,398	26,682	23,596	46,745	88,908
		-31,370	-24,619	-21,909	-42,162	
	-28	32,817	25,946	23,202	43,816	83,305
		-29,929	-23,950	-21,551	-39,489	

Tab. 19: Metoda hot-spot na T9, ZS5



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	31,779	25,789	23,225	41,195	78,969
		-29,211	-23,793	-21,519	-37,774	
	-14	33,433	26,511	23,593	44,359	84,906
		-30,668	-24,434	-21,847	-40,547	
	-16	34,244	27,014	23,865	45,553	87,033
		-31,339	-24,875	-22,088	-41,480	
	-18	34,711	27,309	24,031	46,239	88,186
		-31,697	-25,126	-22,234	-41,947	
	-20	34,913	27,396	24,082	46,633	88,774
		-31,812	-25,190	-22,277	-42,141	
	-22	34,914	27,326	24,020	46,785	88,909
		-31,748	-25,112	-22,218	-42,124	
	-24	34,609	27,047	23,842	46,529	88,288
		-31,415	-24,848	-22,056	-41,759	
	-26	33,960	26,549	23,553	45,786	86,748
		-30,779	-24,390	-21,794	-40,962	
	-28	32,375	25,813	23,164	42,849	81,132
		-29,337	-23,724	-21,444	-38,283	
Púchov	-12	31,477	25,735	23,244	40,470	77,377
		-28,800	-23,649	-21,455	-36,907	
	-14	33,156	26,465	23,613	43,688	83,422
		-30,281	-24,297	-21,782	-39,734	
	-16	34,056	26,989	23,890	45,093	85,979
		-31,045	-24,758	-22,027	-40,886	
	-18	34,621	27,315	24,064	45,980	87,545
		-31,503	-25,041	-22,181	-41,564	
	-20	34,959	27,450	24,126	46,654	88,701
		-31,756	-25,152	-22,234	-42,047	
	-22	35,114	27,419	24,074	47,157	89,534
		-31,846	-25,115	-22,185	-42,378	
	-24	<b>34,975</b>	<b>27,180</b>	<b>23,904</b>	<b>47,289</b>	<b>89,679</b>
		<b>-31,677</b>	<b>-24,890</b>	<b>-22,030</b>	<b>-42,390</b>	
	-26	34,424	26,703	23,616	46,779	88,616
		-31,145	-24,455	-21,770	-41,838	
	-28	32,842	25,966	23,221	43,848	83,037
		-29,716	-23,792	-21,415	-39,188	

Tab. 20: Metoda hot-spot na T9, ZS6



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	32,548	26,467	23,857	42,100	80,998
		-30,065	-24,474	-22,124	-38,898	
	-14	34,254	27,210	24,235	45,369	87,128
		-31,567	-25,134	-22,461	-41,759	
	-16	35,109	27,732	24,515	46,646	89,373
		-32,260	-25,588	-22,709	-42,727	
	-18	35,616	28,042	24,687	47,409	90,621
		-32,630	-25,846	-22,859	-43,212	
	-20	35,853	28,141	24,741	47,876	91,295
		-32,751	-25,912	-22,902	-43,419	
	-22	35,884	28,078	24,679	48,096	91,503
		-32,686	-25,831	-22,841	-43,406	
	-24	35,598	27,800	24,498	47,895	90,928
		-32,345	-25,558	-22,672	-43,033	
	-26	34,958	27,294	24,202	47,192	89,407
		-31,689	-25,085	-22,402	-42,215	
	-28	33,342	26,540	23,801	44,207	83,66
		-30,202	-24,398	-22,040	-39,453	
Púchov	-12	32,286	26,345	23,776	41,599	79,679
		-29,701	-24,376	-22,106	-38,080	
	-14	33,994	27,089	24,153	44,867	85,867
		-31,230	-25,044	-22,443	-41,001	
	-16	34,890	27,619	24,435	46,248	88,439
		-32,018	-25,519	-22,695	-42,192	
	-18	35,439	27,945	24,612	47,093	89,986
		-32,491	-25,811	-22,853	-42,893	
	-20	35,754	28,073	24,673	47,715	91,107
		-32,753	-25,925	-22,908	-43,392	
	-22	35,880	28,032	24,617	48,161	91,895
		-32,845	-25,885	-22,856	-43,735	
	-24	<b>35,708</b>	<b>27,778</b>	<b>24,442</b>	<b>48,230</b>	<b>91,977</b>
		<b>-32,670</b>	<b>-25,653</b>	<b>-22,695</b>	<b>-43,747</b>	
	-26	35,117	27,284	24,147	47,645	90,822
		-32,120	-25,203	-22,427	-43,177	
	-28	33,487	26,529	23,744	44,619	85,058
		-30,644	-24,517	-22,059	-40,440	

Tab. 21: Metoda hot-spot na T9, ZS7





strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	31,822	25,832	23,268	41,238	78,431
		-28,746	-23,401	-21,156	-37,194	
	-14	33,479	26,555	23,636	44,407	84,329
		-30,179	-24,031	-21,478	-39,922	
	-16	34,292	27,059	23,908	45,607	86,443
		-30,837	-24,463	-21,714	-40,836	
	-18	34,763	27,355	24,075	46,300	87,59
		-31,186	-24,709	-21,857	-41,290	
	-20	34,968	27,443	24,126	46,700	88,175
		-31,296	-24,771	-21,898	-41,474	
	-22	34,972	27,374	24,064	46,859	88,31
		-31,230	-24,692	-21,839	-41,451	
	-24	34,669	27,095	23,886	46,609	87,694
		-30,899	-24,430	-21,678	-41,085	
	-26	34,021	26,596	23,596	45,871	86,165
		-30,269	-23,977	-21,419	-40,294	
	-28	32,435	25,860	23,206	42,934	80,586
		-28,847	-23,320	-21,073	-37,652	
Púchov	-12	31,404	25,665	23,176	40,392	76,986
		-28,560	-23,456	-21,285	-36,595	
	-14	33,080	26,394	23,543	43,603	82,995
		-30,025	-24,097	-21,608	-39,392	
	-16	33,978	26,916	23,819	45,004	85,531
		-30,778	-24,553	-21,850	-40,527	
	-18	34,541	27,242	23,993	45,888	87,08
		-31,229	-24,832	-22,001	-41,191	
	-20	34,877	27,376	24,055	46,558	88,22
		-31,477	-24,940	-22,054	-41,662	
	-22	35,030	27,345	24,002	47,058	89,04
		-31,562	-24,902	-22,004	-41,982	
	-24	<b>34,890</b>	<b>27,105</b>	<b>23,832</b>	<b>47,187</b>	<b>89,175</b>
		<b>-31,391</b>	<b>-24,679</b>	<b>-21,850</b>	<b>-41,988</b>	
	-26	34,338	26,628	23,545	46,674	88,11
		-30,861	-24,247	-21,592	-41,435	
	-28	32,758	25,893	23,150	43,747	82,556
		-29,445	-23,589	-21,240	-38,809	

Tab. 22: Metoda hot-spot na T9, ZS8



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	32,507	26,383	23,763	42,134	80,723
		-29,827	-24,282	-21,954	-38,589	
	-14	34,196	27,121	24,140	45,365	86,787
		-31,314	-24,936	-22,288	-41,422	
	-16	35,022	27,634	24,417	46,581	88,953
		-31,999	-25,385	-22,533	-42,373	
	-18	35,498	27,935	24,587	47,277	90,123
		-32,362	-25,640	-22,681	-42,846	
	-20	35,702	28,024	24,638	47,673	90,715
		-32,478	-25,705	-22,723	-43,042	
	-22	35,701	27,952	24,575	47,824	90,845
		-32,410	-25,624	-22,662	-43,021	
	-24	35,387	27,665	24,393	47,558	90,202
		-32,068	-25,352	-22,495	-42,645	
	-26	34,722	27,156	24,097	46,794	88,621
		-31,416	-24,883	-22,227	-41,826	
	-28	33,101	26,403	23,699	43,792	82,878
		-29,941	-24,201	-21,868	-39,087	
Púchov	-12	32,202	26,331	23,786	41,401	79,344
		-29,609	-24,315	-22,062	-37,943	
	-14	33,918	27,077	24,163	44,688	85,532
		-31,128	-24,979	-22,397	-40,845	
	-16	34,836	27,612	24,446	46,119	88,14
		-31,910	-25,452	-22,648	-42,022	
	-18	35,411	27,945	24,624	47,020	89,732
		-32,377	-25,742	-22,805	-42,712	
	-20	35,754	28,082	24,687	47,702	90,903
		-32,634	-25,854	-22,859	-43,200	
	-22	35,910	28,051	24,633	48,210	91,743
		-32,723	-25,814	-22,807	-43,533	
	-24	<b>35,765</b>	<b>27,805</b>	<b>24,459</b>	<b>48,341</b>	<b>91,879</b>
		<b>-32,546</b>	<b>-25,582</b>	<b>-22,648</b>	<b>-43,538</b>	
	-26	35,200	27,317	24,165	47,813	90,779
		-31,996	-25,134	-22,380	-42,966	
	-28	33,582	26,564	23,761	44,816	85,057
		-30,527	-24,452	-22,015	-40,241	

Tab. 23: Metoda hot-spot na T9, ZS9



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	32,105	26,058	23,470	41,613	79,802
		-29,520	-24,032	-21,728	-38,189	
	-14	33,774	26,787	23,842	44,804	85,799
		-30,992	-24,680	-22,058	-40,995	
	-16	34,591	27,295	24,116	46,007	87,945
		-31,671	-25,125	-22,301	-41,939	
	-18	35,062	27,592	24,284	46,697	89,107
		-32,032	-25,378	-22,448	-42,410	
	-20	35,265	27,680	24,336	47,090	89,697
		-32,147	-25,442	-22,490	-42,607	
	-22	35,265	27,609	24,273	47,241	89,83
		-32,082	-25,362	-22,430	-42,590	
	-24	34,956	27,327	24,094	46,980	89,199
		-31,745	-25,093	-22,264	-42,219	
	-26	34,299	26,824	23,802	46,227	87,639
		-31,100	-24,629	-21,999	-41,412	
	-28	32,699	26,081	23,409	43,262	81,962
		-29,640	-23,954	-21,643	-38,701	
Púchov	-12	31,825	26,023	23,509	40,916	78,432
		-29,270	-24,032	-21,802	-37,516	
	-14	33,521	26,760	23,881	44,163	84,548
		-30,773	-24,689	-22,134	-40,386	
	-16	34,427	27,289	24,161	45,576	87,126
		-31,546	-25,157	-22,382	-41,551	
	-18	34,995	27,619	24,336	46,465	88,698
		-32,009	-25,443	-22,537	-42,233	
	-20	35,333	27,754	24,400	47,138	89,855
		-32,263	-25,554	-22,591	-42,717	
	-22	35,486	27,722	24,346	47,638	90,684
		-32,350	-25,515	-22,540	-43,046	
	-24	<b>35,343</b>	<b>27,480</b>	<b>24,174</b>	<b>47,766</b>	<b>90,818</b>
		<b>-32,176</b>	<b>-25,286</b>	<b>-22,382</b>	<b>-43,052</b>	
	-26	34,784	26,998	23,884	47,244	89,729
		-31,632	-24,843	-22,118	-42,485	
	-28	33,186	26,254	23,485	44,282	84,072
		-30,179	-24,168	-21,756	-39,790	

Tab. 24: Metoda hot-spot na T9, ZS10



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	33,317	27,047	24,365	43,174	81,524
		-29,640	-24,127	-21,811	-38,350	
	-14	35,047	27,803	24,751	46,483	87,651
		-31,119	-24,777	-22,143	-41,168	
	-16	35,894	28,329	25,035	47,729	89,844
		-31,800	-25,224	-22,387	-42,116	
	-18	36,381	28,637	25,209	48,442	91,032
		-32,162	-25,477	-22,534	-42,589	
	-20	36,591	28,728	25,262	48,849	91,636
		-32,279	-25,542	-22,576	-42,786	
	-22	36,590	28,654	25,197	49,004	91,773
		-32,213	-25,462	-22,516	-42,769	
	-24	36,269	28,361	25,011	48,733	91,129
		-31,873	-25,191	-22,350	-42,396	
	-26	35,587	27,840	24,708	47,951	89,536
		-31,226	-24,725	-22,083	-41,585	
	-28	33,927	27,069	24,300	44,875	83,737
		-29,759	-24,048	-21,726	-38,861	
Púchov	-12	32,949	26,941	24,337	42,362	80,013
		-29,372	-24,113	-21,873	-37,651	
	-14	34,704	27,704	24,723	45,724	86,256
		-30,881	-24,772	-22,206	-40,532	
	-16	35,643	28,251	25,012	47,185	88,888
		-31,657	-25,241	-22,455	-41,703	
	-18	36,229	28,592	25,194	48,105	90,495
		-32,122	-25,529	-22,610	-42,389	
	-20	36,579	28,732	25,259	48,801	91,677
		-32,378	-25,640	-22,664	-42,876	
	-22	36,737	28,699	25,203	49,318	92,526
		-32,466	-25,601	-22,613	-43,208	
	-24	<b>36,589</b>	<b>28,447</b>	<b>25,025</b>	<b>49,449</b>	<b>92,664</b>
		<b>-32,291</b>	<b>-25,370</b>	<b>-22,454</b>	<b>-43,215</b>	
	-26	36,009	27,948	24,724	48,907	91,554
		-31,745	-24,926	-22,188	-42,647	
	-28	34,354	27,177	24,311	45,840	85,782
		-30,287	-24,248	-21,826	-39,942	

Tab. 25: Metoda hot-spot na T9, ZS11



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	33,841	27,469	24,742	43,859	84,291
		-31,255	-25,444	-23,000	-40,432	
	-14	35,601	28,238	25,134	47,225	90,64
		-32,820	-26,132	-23,351	-43,415	
	-16	36,463	28,773	25,423	48,495	92,927
		-33,546	-26,605	-23,609	-44,433	
	-18	36,961	29,086	25,600	49,224	94,174
		-33,936	-26,875	-23,765	-44,950	
	-20	37,175	29,180	25,654	49,642	94,819
		-34,067	-26,944	-23,809	-45,177	
	-22	37,176	29,105	25,589	49,803	94,98
		-34,005	-26,862	-23,746	-45,177	
	-24	36,851	28,807	25,400	49,531	94,331
		-33,655	-26,578	-23,571	-44,800	
	-26	36,160	28,278	25,092	48,740	92,7
		-32,977	-26,087	-23,289	-43,960	
	-28	34,473	27,494	24,677	45,615	86,705
		-31,431	-25,372	-22,912	-41,090	
Púchov	-12	33,409	27,311	24,665	42,960	82,503
		-30,830	-25,292	-22,929	-39,543	
	-14	35,192	28,086	25,057	46,376	88,955
		-32,420	-25,986	-23,279	-42,579	
	-16	36,148	28,642	25,351	47,868	91,687
		-33,240	-26,480	-23,541	-43,819	
	-18	36,747	28,989	25,535	48,810	93,361
		-33,732	-26,783	-23,705	-44,551	
	-20	37,106	29,132	25,602	49,525	94,597
		-34,004	-26,901	-23,761	-45,072	
	-22	37,270	29,099	25,546	50,058	95,488
		-34,100	-26,860	-23,707	-45,430	
	-24	<b>37,122</b>	<b>28,845</b>	<b>25,365</b>	<b>50,199</b>	<b>95,643</b>
		<b>-33,919</b>	<b>-26,618</b>	<b>-23,540</b>	<b>-45,445</b>	
	-26	36,537	28,338	25,060	49,656	94,509
		-33,348	-26,150	-23,261	-44,853	
	-28	34,858	27,556	24,640	46,544	88,553
		-31,814	-25,437	-22,879	-42,009	

Tab. 26: Metoda hot-spot na T9, ZS12



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	32,842	26,660	24,014	42,560	82,676
		-30,997	-25,223	-22,796	-40,116	
	-14	34,551	27,406	24,395	45,828	88,898
		-32,547	-25,905	-23,144	-43,070	
	-16	35,389	27,926	24,675	47,064	91,132
		-33,262	-26,373	-23,399	-44,069	
	-18	35,873	28,231	24,847	47,775	92,346
		-33,644	-26,639	-23,553	-44,571	
	-20	36,084	28,322	24,900	48,185	92,969
		-33,769	-26,707	-23,598	-44,784	
	-22	36,086	28,250	24,836	48,346	93,117
		-33,702	-26,623	-23,534	-44,771	
	-24	35,773	27,962	24,653	48,085	92,471
		-33,350	-26,341	-23,361	-44,387	
	-26	35,103	27,448	24,354	47,320	90,863
		-32,673	-25,853	-23,081	-43,542	
	-28	33,467	26,688	23,952	44,289	84,98
		-31,139	-25,144	-22,708	-40,692	
Púchov	-12	32,453	26,527	23,957	41,735	81,121
		-30,720	-25,214	-22,866	-39,386	
	-14	34,184	27,279	24,337	45,050	87,457
		-32,302	-25,904	-23,214	-42,407	
	-16	35,110	27,819	24,623	46,494	90,135
		-33,118	-26,396	-23,475	-43,641	
	-18	35,690	28,155	24,802	47,404	91,771
		-33,608	-26,698	-23,639	-44,367	
	-20	36,036	28,293	24,866	48,093	92,978
		-33,879	-26,816	-23,695	-44,885	
	-22	36,193	28,261	24,812	48,606	93,847
		-33,975	-26,775	-23,642	-45,241	
	-24	<b>36,047</b>	<b>28,013</b>	<b>24,636</b>	<b>48,738</b>	<b>93,992</b>
		<b>-33,794</b>	<b>-26,535</b>	<b>-23,476</b>	<b>-45,255</b>	
	-26	35,477	27,521	24,340	48,206	92,873
		-33,226	-26,069	-23,197	-44,667	
	-28	33,845	26,762	23,933	45,182	87,019
		-31,700	-25,360	-22,818	-41,837	

Tab. 27: Metoda hot-spot na T9, ZS13



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-12	33,983	27,583	24,846	44,046	85,032
		-31,675	-25,780	-23,300	-40,985	
	-14	35,747	28,354	25,239	47,420	91,43
		-33,262	-26,477	-23,656	-44,010	
	-16	36,609	28,890	25,529	48,686	93,726
		-33,998	-26,957	-23,917	-45,040	
	-18	37,104	29,203	25,706	49,409	94,972
		-34,393	-27,230	-24,075	-45,563	
	-20	37,316	29,296	25,760	49,819	95,611
		-34,524	-27,300	-24,120	-45,792	
	-22	37,312	29,220	25,694	49,971	95,762
		-34,461	-27,216	-24,056	-45,790	
	-24	36,982	28,920	25,504	49,690	95,097
		-34,105	-26,929	-23,878	-45,407	
	-26	36,286	28,388	25,195	48,888	93,441
		-33,418	-26,431	-23,593	-44,553	
	-28	34,591	27,601	24,779	45,749	87,391
		-31,850	-25,706	-23,211	-41,643	
Púchov	-12	33,630	27,502	24,847	43,231	83,403
		-31,323	-25,698	-23,299	-40,172	
	-14	35,422	28,281	25,240	46,663	89,919
		-32,937	-26,403	-23,654	-43,257	
	-16	36,381	28,840	25,535	48,157	92,673
		-33,771	-26,905	-23,921	-44,516	
	-18	36,981	29,188	25,720	49,099	94,359
		-34,271	-27,213	-24,087	-45,260	
	-20	37,340	29,331	25,787	49,812	95,602
		-34,548	-27,333	-24,145	-45,789	
	-22	37,502	29,298	25,731	50,344	96,497
		-34,645	-27,291	-24,090	-46,153	
	-24	<b>37,352</b>	<b>29,042</b>	<b>25,549</b>	<b>50,480</b>	<b>96,648</b>
		<b>-34,461</b>	<b>-27,045</b>	<b>-23,920</b>	<b>-46,168</b>	
	-26	36,762	28,532	25,241	49,931	95,499
		-33,881	-26,571	-23,636	-45,568	
	-28	35,073	27,746	24,820	46,802	89,48
		-32,323	-25,847	-23,249	-42,678	

Tab. 28: Metoda hot-spot na T9, ZS14



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Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	65,841	62,757	67,908	-50,553	-46,571	-53,222	121,130
198	66,228	63,224	68,240	-51,273	-47,420	-53,854	122,094
192	66,529	63,715	68,415	-51,887	-48,244	-54,328	122,742
186	66,764	64,233	68,459	-52,412	-49,045	-54,668	123,128
180	66,982	64,783	68,455	-52,872	-49,825	-54,914	123,368
174	67,194	65,367	68,419	-53,264	-50,585	-55,059	123,478
168	67,399	65,985	68,346	-53,595	-51,327	-55,114	123,460
162	67,563	66,640	68,182	-53,854	-52,055	-55,060	123,241
156	67,676	67,323	67,912	-54,042	-52,771	-54,894	122,806
150	67,760	68,029	67,579	-54,179	-53,480	-54,648	122,227
-150	68,033	68,539	67,694	-52,754	-52,333	-53,037	120,731
-156	67,958	67,840	68,036	-52,593	-51,599	-53,259	121,295
-162	67,874	67,166	68,349	-52,396	-50,862	-53,424	121,773
-168	67,790	66,522	68,640	-52,158	-50,114	-53,528	122,168
-174	<b>67,678</b>	<b>65,911</b>	<b>68,862</b>	<b>-51,857</b>	<b>-49,352</b>	<b>-53,535</b>	<b>122,397</b>
-180	67,493	65,332	68,942	-51,463	-48,573	-53,400	122,341
-186	67,211	64,783	68,837	-50,961	-47,775	-53,096	121,933
-192	66,873	64,266	68,619	-50,370	-46,956	-52,658	121,277
-198	<b>66,544</b>	<b>63,779</b>	<b>68,396</b>	<b>-49,721</b>	<b>-41,351</b>	<b>-55,329</b>	<b>123,725</b>
-204	66,237	63,317	68,193	-49,022	-40,597	-54,666	122,859

Tab. 29: Metoda hot-spot na T6 – svar 1, LM71-1

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	82,726	73,879	88,653	-65,330	-58,762	-69,730	158,383
114	84,165	74,598	90,576	-67,337	-59,780	-72,401	162,976
108	84,158	75,072	90,246	-68,129	-60,646	-73,143	163,389
102	<b>84,019</b>	<b>75,326</b>	<b>89,843</b>	<b>-68,784</b>	<b>-61,356</b>	<b>-73,760</b>	<b>163,604</b>
96	83,683	75,404	89,230	-69,186	-61,919	-74,055	163,285
90	83,137	75,344	88,358	-69,308	-62,346	-73,973	162,331
84	82,531	75,186	87,452	-69,294	-62,655	-73,743	161,195
-84	83,231	75,694	88,280	-68,865	-62,034	-73,441	161,722
-90	83,899	75,889	89,266	-68,856	-61,683	-73,662	162,928
-96	84,512	75,983	90,227	-68,714	-61,215	-73,738	163,965
-102	<b>84,902</b>	<b>75,934</b>	<b>90,911</b>	<b>-68,280</b>	<b>-60,611</b>	<b>-73,419</b>	<b>164,330</b>
-108	85,088	75,702	91,377	-67,594	-59,863	-72,774	164,151
-114	85,139	75,243	91,769	-66,773	-58,960	-72,008	163,777
-120	83,708	74,531	89,856	-64,735	-57,907	-69,310	159,166

Tab. 30: Metoda hot-spot na T6 – svar 2, LM71-1





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Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	113,745	108,519	117,246	-78,651	-72,419	-82,826	200,072
198	114,410	109,333	117,812	-79,807	-73,800	-83,831	201,642
192	114,924	110,183	118,100	-80,800	-75,143	-84,590	202,690
186	115,319	111,077	118,161	-81,653	-76,452	-85,138	203,299
180	115,681	112,022	118,133	-82,403	-77,730	-85,534	203,667
174	116,030	113,021	118,046	-83,047	-78,977	-85,774	203,820
168	116,363	114,079	117,893	-83,594	-80,196	-85,871	203,764
162	116,624	115,196	117,581	-84,031	-81,395	-85,798	203,378
156	116,796	116,362	117,087	-84,357	-82,574	-85,551	202,638
150	116,917	117,566	116,482	-84,602	-83,745	-85,177	201,659
-150	115,634	116,111	115,314	-86,088	-85,426	-86,532	201,846
-156	115,465	114,872	115,862	-85,878	-84,304	-86,933	202,795
-162	115,279	113,673	116,355	-85,613	-83,177	-87,245	203,600
-168	115,086	112,520	116,805	-85,285	-82,036	-87,461	204,266
-174	<b>114,839</b>	<b>111,418</b>	<b>117,131</b>	<b>-84,857</b>	<b>-80,876</b>	<b>-87,524</b>	<b>204,655</b>
-180	114,465	110,365	117,212	-84,282	-79,691	-87,359	204,571
-186	113,921	109,359	116,978	-83,533	-78,477	-86,920	203,898
-192	113,278	108,401	116,546	-82,640	-77,232	-86,262	202,808
-198	112,641	107,488	116,094	-81,657	-75,954	-85,478	201,571
-204	112,033	106,615	115,663	-80,598	-74,640	-84,590	200,254

Tab. 31: Metoda hot-spot na T6 – svar 1, LM71-2

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	143,358	127,769	153,803	-103,335	-92,544	-110,565	264,367
114	145,888	129,022	157,188	-106,564	-94,215	-114,838	272,026
108	145,896	129,851	156,646	-107,864	-95,644	-116,051	272,697
102	<b>145,659</b>	<b>130,296</b>	<b>155,952</b>	<b>-108,955</b>	<b>-96,827</b>	<b>-117,081</b>	<b>273,033</b>
96	145,067	130,433	154,872	-109,649	-97,780	-117,601	272,473
90	144,099	130,324	153,328	-109,899	-98,517	-117,525	270,853
84	143,018	130,039	151,714	-109,934	-99,069	-117,214	268,928
-84	141,699	128,988	150,215	-111,107	-100,167	-118,437	268,652
-90	142,692	129,206	151,728	-111,192	-99,700	-118,891	270,619
-96	143,581	129,250	153,183	-111,069	-99,047	-119,124	272,307
-102	144,080	129,052	154,149	-110,483	-98,174	-118,730	272,879
-108	144,227	128,548	154,732	-109,492	-97,065	-117,818	272,550
-114	144,152	127,665	155,198	-108,274	-95,701	-116,698	271,897
-120	141,574	126,364	151,765	-105,083	-94,087	-112,450	264,215

Tab. 32: Metoda hot-spot na T6 – svar 2, LM71-2



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	83,410	67,567	60,257	107,785	183,649
		-59,119	-48,285	-43,363	-75,864	
	-17	84,442	68,268	60,741	109,261	185,850
		-59,680	-48,703	-43,659	-76,589	
	-19	85,041	68,679	61,040	110,124	187,009
		-59,937	-48,919	-43,828	-76,884	
	-21	<b>85,300</b>	<b>68,839</b>	<b>61,160</b>	<b>110,542</b>	<b>187,416</b>
		<b>-59,962</b>	<b>-48,962</b>	<b>-43,875</b>	<b>-76,873</b>	
	-23	85,230	68,768	61,112	110,498	187,051
		-59,764	-48,849	-43,807	-76,553	
	-25	84,807	68,460	60,895	109,935	185,851
		-59,341	-48,577	-43,624	-75,916	

Tab. 33: Metoda hot-spot na T9, LM71-1

strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	148,793	120,653	107,678	192,098	330,354
		-107,756	-88,022	-79,053	-138,256	
	-17	150,634	121,903	108,539	194,732	334,340
		-108,795	-88,791	-79,597	-139,608	
	-19	151,705	122,635	109,071	196,281	336,461
		-109,283	-89,193	-79,909	-140,180	
	-21	<b>152,178</b>	<b>122,923</b>	<b>109,285</b>	<b>197,050</b>	<b>337,250</b>
		<b>-109,348</b>	<b>-89,280</b>	<b>-79,997</b>	<b>-140,200</b>	
	-23	152,060	122,799	109,199	196,982	336,652
		-109,012	-89,081	-79,876	-139,670	
	-25	151,326	122,256	108,813	196,023	334,547
		-108,251	-88,592	-79,547	-138,524	

Tab. 34: Metoda hot-spot na T9, LM71-2



Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	34,524	32,698	35,747	-19,065	-17,701	-19,979	55,726
198	34,805	33,008	36,009	-19,307	-17,975	-20,200	56,209
192	35,036	33,324	36,183	-19,515	-18,245	-20,366	56,549
186	35,210	33,650	36,255	-19,684	-18,510	-20,470	56,724
180	35,348	33,987	36,260	-19,825	-18,774	-20,529	56,789
174	35,474	34,337	36,235	-19,947	-19,035	-20,559	56,794
168	35,603	34,701	36,207	-20,058	-19,294	-20,570	56,777
162	35,731	35,078	36,168	-20,157	-19,552	-20,562	56,731
156	35,841	35,470	36,090	-20,239	-19,812	-20,524	56,615
150	35,914	35,872	35,942	-20,295	-20,072	-20,445	56,386
-150	36,104	36,149	36,073	-20,167	-19,980	-20,292	56,365
-156	36,052	35,751	36,254	-20,115	-19,717	-20,382	56,636
-162	35,953	35,363	36,349	-20,035	-19,455	-20,424	56,773
-168	<b>35,826</b>	<b>34,990</b>	<b>36,386</b>	<b>-19,932</b>	<b>-19,194</b>	<b>-20,427</b>	<b>56,812</b>
-174	35,692	34,632	36,402	-19,815	-18,933	-20,405	56,807
-180	35,562	34,288	36,416	-19,685	-18,671	-20,365	56,781
-186	35,430	33,959	36,415	-19,543	-18,407	-20,304	56,718
-192	35,271	33,641	36,363	-19,376	-18,140	-20,204	56,567
-198	35,071	33,332	36,236	-19,178	-17,870	-20,055	56,291
-204	34,825	33,029	36,028	-18,948	-17,596	-19,854	55,883

Tab. 35: Metoda hot-spot na T6 – svar 1, T6-ZS1

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	43,707	39,137	46,769	-24,550	-22,045	-26,229	72,997
114	44,576	39,576	47,927	-25,213	-22,383	-27,109	75,036
108	44,671	39,890	47,875	-25,427	-22,658	-27,282	75,157
102	44,691	40,090	47,775	-25,593	-22,874	-27,415	75,189
96	44,596	40,195	47,544	-25,675	-23,035	-27,444	74,987
90	44,375	40,224	47,155	-25,663	-23,148	-27,348	74,504
84	44,112	40,197	46,735	-25,610	-23,220	-27,211	73,945
-84	44,433	40,441	47,107	-25,578	-23,165	-27,194	74,301
-90	44,726	40,487	47,566	-25,633	-23,090	-27,337	74,903
-96	44,980	40,476	47,997	-25,648	-22,975	-27,439	75,436
-102	<b>45,101</b>	<b>40,385</b>	<b>48,261</b>	<b>-25,566</b>	<b>-22,811</b>	<b>-27,412</b>	<b>75,673</b>
-108	45,104	40,197	48,391	-25,399	-22,593	-27,279	75,670
-114	45,029	39,892	48,470	-25,185	-22,315	-27,109	75,579
-120	44,163	39,459	47,315	-24,520	-21,974	-26,225	73,541

Tab. 36: Metoda hot-spot na T6 – svar 2, T6-ZS1



Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	64,420	61,479	66,391	-57,764	-53,382	-60,700	127,091
198	64,788	61,881	66,736	-58,554	-54,276	-61,420	128,156
192	65,082	62,314	66,936	-59,232	-55,149	-61,968	128,904
186	65,284	62,780	66,963	-59,787	-56,005	-62,321	129,284
180	65,437	63,282	66,882	-60,252	-56,846	-62,534	129,416
174	65,584	63,823	66,763	-60,652	-57,673	-62,648	129,411
168	<b>65,753</b>	<b>63,836</b>	<b>67,037</b>	<b>-61,011</b>	<b>-58,489</b>	<b>-62,701</b>	<b>129,738</b>
162	65,937	64,618	66,821	-61,326	-59,296	-62,686	129,506
156	66,101	65,690	66,377	-61,581	-60,100	-62,574	128,951
150	66,204	66,378	66,087	-61,760	-60,906	-62,332	128,419
-150	66,819	67,083	66,642	-60,607	-59,942	-61,053	127,695
-156	66,756	66,399	66,995	-60,430	-59,111	-61,314	128,309
-162	66,613	65,741	67,197	-60,164	-58,281	-61,426	128,623
-168	66,426	65,120	67,301	-59,825	-57,450	-61,416	128,717
-174	66,242	64,540	67,383	-59,434	-56,612	-61,324	128,707
-180	66,084	64,003	67,478	-58,999	-55,762	-61,167	128,645
-186	65,935	63,506	67,562	-58,515	-54,901	-60,936	128,498
-192	65,754	63,045	67,569	-57,951	-54,024	-60,582	128,151
-198	65,513	62,614	67,454	-57,287	-53,130	-60,072	127,527
-204	65,200	62,208	67,205	-56,520	-52,216	-59,404	126,609

Tab. 37: Metoda hot-spot na T6 – svar 1, T6-ZS2

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	80,976	72,273	86,808	-74,404	-66,945	-79,402	166,210
114	82,274	72,920	88,541	-76,532	-68,025	-82,232	170,773
108	82,168	73,324	88,094	-77,290	-68,923	-82,895	170,989
102	81,937	73,510	87,583	-77,895	-69,641	-83,426	171,009
96	81,527	73,526	86,887	-78,232	-70,193	-83,617	170,504
90	80,924	73,410	85,959	-78,269	-70,594	-83,411	169,370
84	80,275	73,204	85,012	-78,167	-70,868	-83,058	168,070
-84	80,958	73,781	85,766	-77,742	-70,302	-82,726	168,492
-90	81,667	74,028	86,784	-77,820	-69,989	-83,067	169,851
-96	82,332	74,182	87,792	-77,763	-69,549	-83,266	171,059
-102	82,794	74,199	88,552	-77,396	-68,960	-83,048	171,600
-108	<b>83,069</b>	<b>74,039</b>	<b>89,120</b>	<b>-76,758</b>	<b>-68,207</b>	<b>-82,487</b>	<b>171,607</b>
-114	83,218	73,654	89,626	-75,972	-67,273	-81,800	171,426
-120	81,931	73,017	87,904	-73,813	-66,160	-78,941	166,845

Tab. 38: Metoda hot-spot na T6 – svar 2, T6-ZS2



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Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	48,186	46,032	49,629	-31,764	-29,365	-33,371	83,000
198	48,428	46,326	49,837	-32,203	-29,886	-33,755	83,592
192	48,614	46,642	49,936	-32,578	-30,392	-34,042	83,977
186	48,758	46,983	49,946	-32,898	-30,886	-34,245	84,192
180	48,894	47,353	49,927	-33,178	-31,368	-34,390	84,317
174	<b>49,032</b>	<b>47,751</b>	<b>49,890</b>	<b>-33,418</b>	<b>-31,840</b>	<b>-34,475</b>	<b>84,366</b>
168	49,169	48,180	49,832	-33,622	-32,302	-34,506	84,338
162	49,281	48,639	49,711	-33,782	-32,757	-34,469	84,180
156	49,358	49,123	49,515	-33,899	-33,206	-34,363	83,879
150	49,416	49,624	49,276	-33,985	-33,651	-34,208	83,484
-150	49,824	50,113	49,630	-33,268	-33,058	-33,409	83,039
-156	49,772	49,614	49,877	-33,168	-32,599	-33,550	83,427
-162	49,715	49,136	50,103	-33,047	-32,138	-33,656	83,759
-168	49,658	48,681	50,313	-32,901	-31,673	-33,725	84,038
-174	49,584	48,253	50,476	-32,717	-31,200	-33,734	84,209
-180	49,460	47,852	50,538	-32,476	-30,717	-33,655	84,192
-186	49,269	47,476	50,470	-32,168	-30,224	-33,470	83,940
-192	49,044	47,128	50,328	-31,804	-29,719	-33,201	83,529
-198	48,830	46,804	50,187	-31,406	-29,202	-32,883	83,070
-204	48,636	46,504	50,064	-30,978	-28,671	-32,524	82,588

Tab. 39: Metoda hot-spot na T6 – svar 1, T6-ZS3

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	60,294	53,819	64,632	-41,283	-37,032	-44,131	108,764
114	61,241	54,292	65,897	-42,526	-37,664	-45,783	111,680
108	61,146	54,581	65,544	-43,000	-38,198	-46,217	111,760
102	60,958	54,710	65,145	-43,387	-38,631	-46,573	111,718
96	60,639	54,711	64,610	-43,618	-38,972	-46,731	111,341
90	60,180	54,615	63,908	-43,675	-39,227	-46,655	110,563
84	59,687	54,453	63,193	-43,649	-39,408	-46,491	109,684
-84	60,184	54,879	63,739	-43,392	-39,076	-46,284	110,023
-90	60,719	55,071	64,503	-43,404	-38,872	-46,441	110,944
-96	61,223	55,194	65,263	-43,335	-38,595	-46,511	111,774
-102	61,579	55,216	65,842	-43,086	-38,233	-46,338	112,179
-108	<b>61,797</b>	<b>55,106</b>	<b>66,281</b>	<b>-42,680</b>	<b>-37,780</b>	<b>-45,964</b>	<b>112,245</b>
-114	61,923	54,828	66,677	-42,190	-37,227	-45,515	112,192
-120	60,983	54,362	65,419	-40,930	-36,577	-43,847	109,266

Tab. 40: Metoda hot-spot na T6 – svar 2, T6-ZS3



Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	49,621	47,464	51,067	-38,754	-35,966	-40,621	91,688
198	49,848	47,742	51,259	-39,239	-36,540	-41,047	92,306
192	50,018	48,044	51,341	-39,651	-37,102	-41,358	92,699
186	50,147	48,375	51,333	-40,002	-37,655	-41,574	92,908
180	50,270	48,736	51,297	-40,311	-38,199	-41,727	93,024
174	<b>50,397</b>	<b>49,130</b>	<b>51,247</b>	<b>-40,579</b>	<b>-38,736</b>	<b>-41,814</b>	<b>93,061</b>
168	50,526	49,556	51,176	-40,809	-39,266	-41,842	93,018
162	50,631	50,016	51,043	-40,990	-39,793	-41,793	92,836
156	50,700	50,502	50,833	-41,122	-40,316	-41,663	92,496
150	50,752	51,007	50,580	-41,220	-40,837	-41,476	92,056
-150	51,146	51,507	50,904	-40,596	-40,384	-40,739	91,643
-156	51,102	51,006	51,166	-40,488	-39,851	-40,915	92,081
-162	51,054	50,526	51,407	-40,357	-39,319	-41,053	92,460
-168	51,009	50,074	51,635	-40,200	-38,783	-41,149	92,785
-174	50,947	49,650	51,816	-40,001	-38,244	-41,178	92,994
-180	50,836	49,256	51,894	-39,737	-37,698	-41,103	92,998
-186	50,658	48,892	51,841	-39,396	-37,145	-40,904	92,745
-192	50,447	48,557	51,713	-38,994	-36,583	-40,609	92,322
-198	50,251	48,251	51,592	-38,558	-36,011	-40,264	91,856
-204	50,079	47,970	51,492	-38,093	-35,428	-39,879	91,371

Tab. 41: Metoda hot-spot na T6 – svar 1, T6-ZS4

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	61,966	55,276	66,449	-49,917	-44,802	-53,343	119,792
114	62,896	55,737	67,693	-51,308	-45,509	-55,193	122,885
108	62,759	56,010	67,281	-51,782	-46,092	-55,594	122,875
102	62,530	56,116	66,828	-52,158	-46,553	-55,913	122,741
96	62,171	56,092	66,243	-52,358	-46,904	-56,012	122,255
90	61,673	55,970	65,493	-52,362	-47,155	-55,851	121,344
84	61,144	55,782	64,736	-52,278	-47,322	-55,597	120,334
-84	61,672	56,220	65,325	-52,196	-47,121	-55,596	120,921
-90	62,246	56,440	66,136	-52,281	-46,939	-55,860	121,996
-96	62,792	56,590	66,948	-52,279	-46,674	-56,034	122,982
-102	63,191	56,638	67,581	-52,074	-46,309	-55,936	123,516
-108	63,453	56,552	68,077	-51,690	-45,834	-55,614	123,691
-114	<b>63,623</b>	<b>56,292</b>	<b>68,535</b>	<b>-51,209</b>	<b>-45,235</b>	<b>-55,211</b>	<b>123,746</b>
-120	62,701	55,837	67,299	-49,804	-44,513	-53,348	120,647

Tab. 42: Metoda hot-spot na T6 – svar 2, T6-ZS4



z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	26,854	25,451	27,793	-15,950	-14,883	-16,664	44,458
198	27,083	25,726	27,992	-16,138	-15,107	-16,829	44,820
192	27,269	26,002	28,117	-16,298	-15,328	-16,948	45,065
186	27,420	26,282	28,183	-16,434	-15,547	-17,028	45,211
180	27,556	26,568	28,218	-16,556	-15,765	-17,085	45,304
174	27,681	26,860	28,230	-16,663	-15,983	-17,119	45,349
168	27,793	27,159	28,218	-16,758	-16,201	-17,132	45,350
162	27,883	27,466	28,163	-16,835	-16,419	-17,114	45,277
156	27,948	27,780	28,060	-16,894	-16,637	-17,066	45,126
150	27,997	28,100	27,927	-16,939	-16,856	-16,995	44,922
-150	28,079	28,054	28,095	-17,546	-17,458	-17,605	45,701
-156	28,026	27,737	28,219	-17,513	-17,254	-17,686	45,906
-162	27,965	27,426	28,326	-17,472	-17,052	-17,753	46,079
-168	27,896	27,121	28,416	-17,423	-16,850	-17,806	46,222
-174	<b>27,810</b>	<b>26,822</b>	<b>28,471</b>	<b>-17,358</b>	<b>-16,650</b>	<b>-17,832</b>	<b>46,304</b>
-180	27,686	26,529	28,462	-17,268	-16,449	-17,816	46,278
-186	27,516	26,241	28,370	-17,146	-16,247	-17,748	46,118
-192	27,314	25,958	28,223	-17,000	-16,044	-17,640	45,863
-198	27,105	25,678	28,060	-16,844	-15,839	-17,517	45,577
-204	26,893	25,401	27,893	-16,680	-15,632	-17,382	45,275

Tab. 43: Metoda hot-spot na T6 – svar 1, T6-ZS5

z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	34,440	30,717	36,935	-20,711	-18,536	-22,168	59,102
114	35,184	31,094	37,925	-21,254	-18,818	-22,885	60,810
108	35,308	31,375	37,943	-21,420	-19,048	-23,009	60,952
102	<b>35,368</b>	<b>31,567</b>	<b>37,914</b>	<b>-21,548</b>	<b>-19,226</b>	<b>-23,104</b>	<b>61,018</b>
96	35,327	31,682	37,769	-21,608	-19,359	-23,115	60,884
90	35,179	31,734	37,487	-21,593	-19,452	-23,027	60,514
84	34,991	31,738	37,170	-21,545	-19,513	-22,906	60,077
-84	34,704	31,603	36,781	-21,899	-19,886	-23,247	60,028
-90	34,876	31,594	37,075	-21,980	-19,853	-23,404	60,479
-96	35,011	31,537	37,338	-22,030	-19,788	-23,531	60,869
-102	35,035	31,418	37,458	-22,001	-19,681	-23,555	61,013
-108	34,961	31,225	37,463	-21,901	-19,527	-23,492	60,956
-114	34,826	30,943	37,427	-21,760	-19,319	-23,396	60,823
-120	34,077	30,566	36,429	-21,231	-19,055	-22,688	59,117

Tab. 44: Metoda hot-spot na T6 – svar 2, T6-ZS5



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Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	51,206	48,886	52,760	-39,430	-36,611	-41,319	94,079
198	51,514	49,262	53,024	-39,952	-37,234	-41,773	94,796
192	51,753	49,650	53,162	-40,399	-37,846	-42,110	95,272
186	51,936	50,055	53,195	-40,784	-38,450	-42,347	95,542
180	52,100	50,481	53,185	-41,125	-39,047	-42,518	95,703
174	52,256	50,928	53,145	-41,426	-39,637	-42,624	95,769
168	52,401	51,399	53,072	-41,688	-40,222	-42,669	95,742
162	52,513	51,894	52,927	-41,902	-40,805	-42,637	95,564
156	52,582	52,409	52,699	-42,066	-41,385	-42,523	95,222
150	52,628	52,941	52,419	-42,196	-41,964	-42,351	94,770
-150	50,790	50,744	50,821	-44,566	-44,276	-44,760	95,581
-156	50,684	50,164	51,033	-44,485	-43,756	-44,973	96,006
-162	50,567	49,598	51,216	-44,381	-43,238	-45,147	96,363
-168	50,441	49,048	51,374	-44,253	-42,720	-45,281	96,655
-174	<b>50,287</b>	<b>48,517</b>	<b>51,472</b>	<b>-44,083</b>	<b>-42,199</b>	<b>-45,345</b>	<b>96,818</b>
-180	50,074	48,003	51,462	-43,844	-41,674	-45,298	96,760
-186	49,785	47,506	51,312	-43,521	-41,142	-45,115	96,427
-192	49,449	47,027	51,071	-43,134	-40,603	-44,829	95,900
-198	49,109	46,563	50,815	-42,714	-40,056	-44,494	95,309
-204	48,775	46,113	50,559	-42,269	-39,499	-44,124	94,683

Tab. 45: Metoda hot-spot na T6 – svar 1, T6-ZS6

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	64,566	57,511	69,294	-51,896	-46,374	-55,597	124,890
114	65,718	58,072	70,840	-53,369	-47,148	-57,536	128,377
108	65,726	58,443	70,606	-53,886	-47,794	-57,968	128,574
102	<b>65,617</b>	<b>58,640</b>	<b>70,291</b>	<b>-54,308</b>	<b>-48,313</b>	<b>-58,324</b>	<b>128,615</b>
96	65,341	58,697	69,792	-54,549	-48,719	-58,455	128,247
90	64,889	58,640	69,075	-54,588	-49,021	-58,317	127,393
84	64,382	58,500	68,322	-54,535	-49,238	-58,083	126,406
-84	62,318	56,842	65,987	-55,849	-50,648	-59,333	125,321
-90	62,670	56,869	66,557	-56,021	-50,537	-59,696	126,252
-96	62,970	56,819	67,092	-56,107	-50,338	-59,972	127,064
-102	63,093	56,663	67,402	-55,981	-50,031	-59,968	127,369
-108	63,060	56,376	67,539	-55,668	-49,604	-59,731	127,270
-114	62,935	55,927	67,631	-55,242	-49,041	-59,397	127,028
-120	61,721	55,301	66,023	-53,824	-48,341	-57,498	123,521

Tab. 46: Metoda hot-spot na T6 – svar 2, T6-ZS6





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Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	38,706	36,955	39,880	-29,243	-27,175	-30,629	70,509
198	38,939	37,237	40,079	-29,620	-27,623	-30,958	71,037
192	39,118	37,528	40,184	-29,942	-28,064	-31,200	71,384
186	39,256	37,832	40,209	-30,218	-28,499	-31,369	71,578
180	39,380	38,151	40,202	-30,463	-28,930	-31,490	71,692
174	39,497	38,487	40,173	-30,678	-29,356	-31,564	71,737
168	39,606	38,841	40,119	-30,867	-29,780	-31,595	71,714
162	39,690	39,213	40,010	-31,020	-30,201	-31,568	71,578
156	39,743	39,601	39,838	-31,137	-30,621	-31,482	71,320
150	39,777	40,000	39,627	-31,228	-31,042	-31,352	70,980
-150	38,265	38,232	38,288	-32,718	-32,533	-32,841	71,129
-156	38,183	37,792	38,445	-32,658	-32,152	-32,997	71,442
-162	38,092	37,363	38,581	-32,583	-31,773	-33,126	71,706
-168	37,995	36,946	38,697	-32,491	-31,394	-33,226	71,923
-174	<b>37,876</b>	<b>36,542</b>	<b>38,770</b>	<b>-32,368</b>	<b>-31,014</b>	<b>-33,275</b>	<b>72,045</b>
-180	37,714	36,152	38,760	-32,195	-30,631	-33,243	72,003
-186	37,493	35,775	38,644	-31,961	-30,244	-33,112	71,756
-192	37,237	35,410	38,461	-31,681	-29,853	-32,905	71,366
-198	36,978	35,058	38,265	-31,377	-29,457	-32,663	70,928
-204	36,723	34,715	38,069	-31,057	-29,054	-32,398	70,467

Tab. 47: Metoda hot-spot na T6 – svar 1, T6-ZS7

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	48,728	43,431	52,277	-38,259	-34,232	-40,958	93,235
114	49,597	43,853	53,446	-39,327	-34,791	-42,366	95,812
108	49,604	44,130	53,271	-39,693	-35,254	-42,667	95,937
102	<b>49,521</b>	<b>44,277</b>	<b>53,034</b>	<b>-39,988</b>	<b>-35,624</b>	<b>-42,911</b>	<b>95,945</b>
96	49,312	44,317	52,658	-40,152	-35,910	-42,993	95,651
90	48,971	44,272	52,119	-40,168	-36,121	-42,880	94,998
84	48,588	44,165	51,552	-40,119	-36,270	-42,697	94,249
-84	46,992	42,858	49,762	-41,015	-37,197	-43,573	93,336
-90	47,254	42,876	50,187	-41,146	-37,118	-43,846	94,032
-96	47,476	42,836	50,585	-41,215	-36,975	-44,056	94,641
-102	47,565	42,716	50,814	-41,130	-36,754	-44,063	94,877
-108	47,536	42,497	50,912	-40,909	-36,444	-43,900	94,813
-114	47,438	42,156	50,977	-40,606	-36,034	-43,668	94,645
-120	46,518	41,681	49,759	-39,574	-35,524	-42,287	92,047

Tab. 48: Metoda hot-spot na T6 – svar 2, T6-ZS7



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Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	60,767	57,674	62,839	-34,105	-31,736	-35,692	98,531
198	61,222	58,217	63,235	-34,521	-32,228	-36,057	99,292
192	61,586	58,770	63,473	-34,875	-32,712	-36,323	99,797
186	61,880	59,338	63,582	-35,176	-33,190	-36,506	100,088
180	62,145	59,924	63,633	-35,442	-33,663	-36,634	100,267
174	62,392	60,531	63,639	-35,676	-34,131	-36,710	100,349
168	62,619	61,159	63,598	-35,878	-34,596	-36,737	100,335
162	62,800	61,811	63,463	-36,041	-35,060	-36,698	100,162
156	62,927	62,481	63,226	-36,162	-35,523	-36,590	99,816
150	63,022	63,168	62,925	-36,254	-35,986	-36,434	99,359
-150	62,716	62,811	62,653	-36,581	-36,379	-36,716	99,369
-156	62,608	62,118	62,936	-36,497	-35,927	-36,878	99,814
-162	62,486	61,443	63,184	-36,393	-35,477	-37,007	100,192
-168	62,353	60,786	63,403	-36,270	-35,026	-37,104	100,507
-174	<b>62,184</b>	<b>60,150</b>	<b>63,547</b>	<b>-36,112</b>	<b>-34,574</b>	<b>-37,143</b>	<b>100,690</b>
-180	61,939	59,531	63,553	-35,898	-34,119	-37,090	100,643
-186	61,595	58,930	63,380	-35,616	-33,659	-36,927	100,306
-192	61,186	58,346	63,089	-35,281	-33,193	-36,679	99,769
-198	60,770	57,777	62,776	-34,920	-32,722	-36,392	99,168
-204	60,359	57,221	62,461	-34,538	-32,243	-36,076	98,537

Tab. 49: Metoda hot-spot na T6 – svar 1, T6-ZS8

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	76,927	68,764	82,395	-44,042	-39,503	-47,082	129,477
114	78,462	69,534	84,443	-45,235	-40,117	-48,665	133,107
108	78,628	70,085	84,352	-45,623	-40,619	-48,976	133,328
102	<b>78,659</b>	<b>70,434</b>	<b>84,169</b>	<b>-45,926</b>	<b>-41,013</b>	<b>-49,219</b>	<b>133,387</b>
96	78,480	70,616	83,749	-46,080	-41,310	-49,275	133,024
90	78,078	70,661	83,047	-46,066	-41,520	-49,111	132,158
84	77,599	70,604	82,285	-45,978	-41,659	-48,871	131,156
-84	77,207	70,320	81,821	-46,280	-41,933	-49,192	131,013
-90	77,666	70,362	82,560	-46,400	-41,815	-49,471	132,031
-96	78,052	70,302	83,245	-46,448	-41,626	-49,680	132,925
-102	78,206	70,106	83,634	-46,323	-41,348	-49,656	133,290
-108	78,152	69,743	83,786	-46,044	-40,972	-49,443	133,229
-114	77,968	69,179	83,856	-45,677	-40,484	-49,156	133,012
-120	76,417	68,397	81,791	-44,490	-39,883	-47,576	129,367

Tab. 50: Metoda hot-spot na T6 – svar 2, T6-ZS8



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Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	114,707	109,389	118,270	-86,127	-79,459	-90,594	208,864
198	115,360	110,182	118,829	-87,338	-80,896	-91,655	210,484
192	115,866	111,015	119,116	-88,376	-82,295	-92,450	211,566
186	116,256	111,894	119,179	-89,264	-83,662	-93,018	212,196
180	116,615	112,826	119,154	-90,046	-84,999	-93,428	212,581
174	116,964	113,817	119,072	-90,721	-86,308	-93,677	212,750
168	117,298	114,867	118,927	-91,297	-87,591	-93,780	212,707
162	117,563	115,979	118,624	-91,758	-88,856	-93,702	212,326
156	117,739	117,141	118,140	-92,101	-90,104	-93,439	211,579
150	117,864	118,342	117,544	-92,360	-91,344	-93,041	210,585
-150	116,522	116,780	116,349	-93,595	-92,837	-94,103	210,452
-156	116,344	115,536	116,885	-93,368	-91,641	-94,524	211,410
-162	116,148	114,332	117,365	-93,084	-90,443	-94,854	212,219
-168	115,943	113,175	117,798	-92,739	-89,233	-95,087	212,885
-174	<b>115,686</b>	<b>112,069</b>	<b>118,109</b>	<b>-92,290</b>	<b>-88,006</b>	<b>-95,159</b>	<b>213,269</b>
-180	115,302	111,013	118,176	-91,685	-86,756	-94,987	213,163
-186	114,750	110,006	117,928	-90,893	-85,480	-94,520	212,448
-192	114,102	109,048	117,488	-89,950	-84,175	-93,819	211,307
-198	113,462	108,137	117,030	-88,918	-82,838	-92,991	210,021
-204	112,851	107,267	116,592	-87,813	-81,468	-92,064	208,656

Tab. 51: Metoda hot-spot na T6 – svar 1, T6-ZS9

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	143,904	128,435	154,268	-111,997	-100,577	-119,648	273,917
114	146,376	129,657	157,578	-115,377	-102,320	-124,125	281,703
108	146,329	130,453	156,966	-116,679	-103,797	-125,310	282,276
102	<b>146,039</b>	<b>130,863</b>	<b>156,207</b>	<b>-117,757</b>	<b>-105,005</b>	<b>-126,301</b>	<b>282,508</b>
96	145,400	130,965	155,071	-118,418	-105,966	-126,761	281,832
90	144,392	130,822	153,484	-118,611	-106,696	-126,594	280,078
84	143,277	130,507	151,833	-118,582	-107,230	-126,188	278,021
-84	141,873	129,399	150,231	-119,711	-108,235	-127,400	277,631
-90	142,890	129,641	151,767	-119,856	-107,780	-127,947	279,714
-96	143,809	129,713	153,253	-119,788	-107,127	-128,271	281,524
-102	144,344	129,543	154,261	-119,232	-106,240	-127,937	282,197
-108	144,536	129,068	154,900	-118,249	-105,099	-127,060	281,959
-114	144,509	128,212	155,428	-117,026	-103,681	-125,967	281,395
-120	141,984	126,935	152,067	-113,679	-101,989	-121,511	273,578

Tab. 52: Metoda hot-spot na T6 – svar 2, T6-ZS9



Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
204	85,222	81,308	87,844	-64,648	-59,952	-67,794	155,638
198	85,696	81,884	88,250	-65,495	-60,952	-68,539	156,789
192	86,063	82,490	88,456	-66,219	-61,931	-69,092	157,548
186	86,345	83,132	88,497	-66,836	-62,893	-69,477	157,974
180	86,605	83,815	88,474	-67,379	-63,840	-69,750	158,224
174	86,859	84,542	88,412	-67,852	-64,773	-69,916	158,327
168	87,103	85,315	88,301	-68,261	-65,694	-69,980	158,282
162	87,297	86,135	88,076	-68,590	-66,609	-69,918	157,993
156	87,425	86,992	87,715	-68,836	-67,516	-69,720	157,435
150	87,516	87,879	87,272	-69,022	-68,422	-69,424	156,696
-150	86,396	86,593	86,265	-70,045	-69,527	-70,392	156,657
-156	86,263	85,669	86,661	-69,878	-68,649	-70,701	157,363
-162	86,116	84,774	87,015	-69,674	-67,773	-70,947	157,962
-168	85,962	83,915	87,334	-69,426	-66,891	-71,125	158,459
-174	<b>85,769</b>	<b>83,094</b>	<b>87,561</b>	<b>-69,107</b>	<b>-66,002</b>	<b>-71,188</b>	<b>158,749</b>
-180	85,484	82,311	87,609	-68,678	-65,101	-71,075	158,685
-186	85,076	81,566	87,427	-68,115	-64,186	-70,747	158,174
-192	84,597	80,858	87,103	-67,443	-63,255	-70,249	157,352
-198	84,126	80,185	86,766	-66,712	-62,307	-69,663	156,429
-204	83,676	79,544	86,445	-65,933	-61,338	-69,012	155,457

Tab. 53: Metoda hot-spot na T6 – svar 1, T6-ZS10

Z	maximální napětí [MPa]			minimální napětí [MPa]			$\Delta\sigma_{\text{hot-spot}}$
	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	$\sigma_{12\text{mm}}$	$\sigma_{30\text{mm}}$	$\sigma_{\text{hot-spot}}$	
120	106,866	95,356	114,578	-83,879	-75,252	-89,659	204,236
114	108,670	96,246	116,994	-86,272	-76,484	-92,829	209,824
108	<b>108,606</b>	<b>96,816</b>	<b>116,505</b>	<b>-87,120</b>	<b>-77,511</b>	<b>-93,558</b>	<b>210,063</b>
102	108,363	97,101	115,908	-87,803	-78,333	-94,148	210,057
96	107,865	97,157	115,039	-88,188	-78,971	-94,364	209,403
90	107,096	97,034	113,838	-88,241	-79,439	-94,138	207,976
84	106,252	96,782	112,597	-88,141	-79,768	-93,750	206,347
-84	105,149	95,895	111,349	-88,873	-80,489	-94,490	205,839
-90	105,914	96,086	112,499	-89,051	-80,217	-94,969	207,468
-96	106,609	96,151	113,616	-89,082	-79,802	-95,300	208,916
-102	107,024	96,038	114,384	-88,768	-79,217	-95,167	209,552
-108	107,187	95,700	114,884	-88,150	-78,442	-94,655	209,538
-114	107,190	95,078	115,305	-87,359	-77,457	-93,993	209,298
-120	105,342	94,142	112,846	-84,993	-76,260	-90,845	203,691

Tab. 54: Metoda hot-spot na T6 – svar 2, T6-ZS10



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	33,669	27,309	24,380	43,458	65,555
		-17,331	-14,260	-12,885	-22,097	
	-17	34,072	27,585	24,571	44,031	66,252
		-17,448	-14,361	-12,958	-22,221	
	-19	34,301	27,745	24,687	44,357	66,579
		-17,479	-14,403	-12,995	-22,222	
	-21	<b>34,395</b>	<b>27,804</b>	<b>24,732</b>	<b>44,507</b>	<b>66,646</b>
		<b>-17,444</b>	<b>-14,397</b>	<b>-12,997</b>	<b>-22,138</b>	
	-23	34,357	27,770	24,709	44,470	66,441
		-17,347	-14,346	-12,967	-21,971	
	-25	34,179	27,642	24,619	44,232	65,950
		-17,189	-14,251	-12,905	-21,718	

Tab. 55: Metoda hot-spot na T9, T9-ZS1

strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	76,026	61,613	54,963	98,203	166,564
		-53,275	-43,514	-39,078	-68,361	
	-17	76,967	62,252	55,403	99,551	168,560
		-53,777	-43,887	-39,341	-69,010	
	-19	77,515	62,626	55,676	100,343	169,615
		-54,006	-44,079	-39,490	-69,272	
	-21	<b>77,755</b>	<b>62,773</b>	<b>55,786</b>	<b>100,732</b>	<b>169,998</b>
		<b>-54,027</b>	<b>-44,115</b>	<b>-39,529</b>	<b>-69,265</b>	
	-23	77,693	62,709	55,741	100,695	169,675
		-53,849	-44,010	-39,464	-68,980	
	-25	77,316	62,430	55,544	100,201	168,605
		-53,465	-43,763	-39,297	-68,404	

Tab. 56: Metoda hot-spot na T9, T9-ZS2



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	55,313	44,849	40,026	71,418	118,885
		-36,992	-30,215	-27,134	-47,467	
	-17	55,986	45,308	40,343	72,376	120,289
		-37,340	-30,475	-27,319	-47,913	
	-19	56,372	45,575	40,538	72,930	121,022
		-37,498	-30,608	-27,424	-48,092	
	-21	<b>56,535</b>	<b>45,676</b>	<b>40,614</b>	<b>73,192</b>	<b>121,275</b>
		<b>-37,512</b>	<b>-30,634</b>	<b>-27,452</b>	<b>-48,083</b>	
	-23	56,480	45,625	40,580	73,145	121,027
		-37,387	-30,562	-27,408	-47,882	
	-25	56,196	45,418	40,433	72,768	120,247
		-37,119	-30,391	-27,293	-47,480	

Tab. 57: Metoda hot-spot na T9, T9-ZS3

strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	58,825	47,686	42,550	75,965	129,617
		-41,787	-34,108	-30,613	-53,652	
	-17	59,546	48,177	42,889	76,995	131,161
		-42,185	-34,404	-30,822	-54,166	
	-19	59,962	48,463	43,098	77,595	131,972
		-42,368	-34,556	-30,941	-54,378	
	-21	<b>60,141</b>	<b>48,574</b>	<b>43,180</b>	<b>77,884</b>	<b>132,261</b>
		<b>-42,388</b>	<b>-34,587</b>	<b>-30,974</b>	<b>-54,377</b>	
	-23	60,087	48,521	43,144	77,844	132,000
		-42,250	-34,506	-30,925	-54,157	
	-25	59,790	48,303	42,990	77,451	131,159
		-41,951	-34,313	-30,795	-53,708	

Tab. 58: Metoda hot-spot na T9, T9-ZS4



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	28,680	23,287	20,808	36,986	56,011
		-14,868	-12,184	-10,972	-19,025	
	-17	29,012	23,517	20,968	37,453	56,622
		-14,990	-12,281	-11,041	-19,170	
	-19	29,196	23,648	21,064	37,710	56,918
		-15,036	-12,326	-11,079	-19,208	
	-21	<b>29,266</b>	<b>23,694</b>	<b>21,100</b>	<b>37,817</b>	<b>56,989</b>
		<b>-15,025</b>	<b>-12,330</b>	<b>-11,086</b>	<b>-19,173</b>	
	-23	29,223	23,661	21,078	37,766	56,828
		-14,960	-12,294	-11,065	-19,062	
	-25	29,064	23,548	21,000	37,547	56,421
		-14,839	-12,219	-11,015	-18,874	

Tab. 59: Metoda hot-spot na T9, T9-ZS5

strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	59,728	48,473	43,291	77,057	134,998
		-45,093	-36,775	-32,985	-57,940	
	-17	60,449	48,965	43,631	78,082	136,601
		-45,535	-37,100	-33,214	-58,519	
	-19	60,861	49,250	43,840	78,671	137,441
		-45,745	-37,270	-33,347	-58,770	
	-21	<b>61,034</b>	<b>49,358</b>	<b>43,921</b>	<b>78,948</b>	<b>137,739</b>
		<b>-45,778</b>	<b>-37,309</b>	<b>-33,385</b>	<b>-58,791</b>	
	-23	60,972	49,301	43,882	78,892	137,466
		-45,640	-37,227	-33,335	-58,573	
	-25	60,664	49,078	43,724	78,482	136,589
		-45,327	-37,024	-33,197	-58,107	

Tab. 60: Metoda hot-spot na T9, T9-ZS6



strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	43,938	35,667	31,862	56,675	97,432
		-31,730	-25,885	-23,221	-40,758	
	-17	44,461	36,026	32,110	57,414	98,601
		-32,052	-26,119	-23,386	-41,186	
	-19	44,757	36,233	32,262	57,834	99,219
		-32,212	-26,244	-23,482	-41,385	
	-21	<b>44,877</b>	<b>36,309</b>	<b>32,320</b>	<b>58,024</b>	<b>99,445</b>
		<b>-32,246</b>	<b>-26,276</b>	<b>-23,512</b>	<b>-41,422</b>	
	-23	44,824	36,264	32,290	57,970	99,260
		-32,161	-26,224	-23,479	-41,290	
	-25	44,592	36,097	32,172	57,657	98,639
		-31,951	-26,086	-23,385	-40,982	

Tab. 61: Metoda hot-spot na T9, T9-ZS7

strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	62,314	50,581	45,182	80,382	121,560
		-32,233	-26,463	-23,869	-41,178	
	-17	63,050	51,087	45,532	81,421	122,871
		-32,473	-26,661	-24,011	-41,449	
	-19	63,465	51,377	45,746	82,007	123,496
		-32,550	-26,749	-24,086	-41,489	
	-21	<b>63,629</b>	<b>51,482</b>	<b>45,826</b>	<b>82,266</b>	<b>123,636</b>
		<b>-32,504</b>	<b>-26,746</b>	<b>-24,095</b>	<b>-41,370</b>	
	-23	63,549	51,416	45,781	82,181	123,271
		-32,341	-26,659	-24,044	-41,091	
	-25	63,214	51,176	45,612	81,727	122,376
		-32,062	-26,489	-23,932	-40,649	

Tab. 62: Metoda hot-spot na T9, T9-ZS8





strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	136,951	111,083	99,161	176,765	303,246
		-98,502	-80,393	-72,152	-126,481	
	-17	138,623	112,222	99,947	179,150	306,871
		-99,453	-81,095	-72,647	-127,722	
	-19	139,588	112,886	100,431	180,537	308,786
		-99,899	-81,460	-72,930	-128,249	
	-21	<b>140,002</b>	<b>113,141</b>	<b>100,622</b>	<b>181,205</b>	<b>309,480</b>
		<b>-99,960</b>	<b>-81,537</b>	<b>-73,007</b>	<b>-128,275</b>	
	-23	139,875	113,018	100,538	181,109	308,892
		-99,649	-81,352	-72,893	-127,783	
	-25	139,182	112,510	100,178	180,194	306,944
		-98,956	-80,902	-72,588	-126,750	

Tab. 63: Metoda hot-spot na T9, T9-ZS9

strana	Y	$\sigma_{4mm}$	$\sigma_{8mm}$	$\sigma_{12mm}$	$\sigma_{hot-spot}$	$\Delta\sigma_{hot-spot}$
Žilina	-15	99,580	80,791	72,138	128,504	218,013
		-69,728	-56,925	-51,099	-89,510	
	-17	100,781	81,613	72,705	130,210	220,632
		-70,420	-57,431	-51,456	-90,422	
	-19	101,468	82,089	73,054	131,191	222,021
		-70,755	-57,699	-51,663	-90,830	
	-21	<b>101,755</b>	<b>82,268</b>	<b>73,189</b>	<b>131,649</b>	<b>222,534</b>
		<b>-70,817</b>	<b>-57,764</b>	<b>-51,725</b>	<b>-90,884</b>	
	-23	101,650	82,173	73,125	131,556	222,126
		-70,616	-57,643	-51,651	-90,570	
	-25	101,134	81,799	72,860	130,866	220,737
		-70,144	-57,334	-51,441	-89,871	

Tab. 64: Metoda hot-spot na T9, T9-ZS10