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Listing of spring Hangers

Summary of Spring Hangers Type LISEGA 2001 based on Cold Load Calibration
 B=Travel Range Gr=Load Group CWZ=Spring Rate Var=Variation in Force
 Position Cold calculated by Prog R2Fehad Rev 30.2 at: 09.05.05 12:27:14
 up/down=Extreme Value from: Position Cold

and Lc-array FTXMAX0 Loadc. FT-Extrem0-MAX
 and Lc-array FTXMIN0 Loadc. FT-Extrem0-MIN

Line	Pt	Selected B Gr	Spring CWZ (N/mm)	Type	Position	Load AQZ (kN)	Var. %	Mo- tion mm	Travel mm	Re- serve mm
1	50	1 6	533.3	296118	Cold:	-23.080			18.3	
					up:	-22.430	3	1.2	17.1	17.1
					down:	-24.853	6	-3.3	21.6	28.4
7	113	1 6	533.3	296118	Cold:	-21.835			15.9	
					up:	-20.942	4	1.7	14.3	14.3
					down:	-24.710	11	-5.4	21.3	28.7
18	224	2 5	133.3	295218	Cold:	-12.412			43.1	
					up:	-10.444	19	14.8	28.3	28.3
					down:	-12.673	1	-2.0	45.0	55.0
18	220	2 5	133.3	295218	Cold:	-15.175			63.8	
					up:	-13.148	15	15.2	48.6	48.6
					down:	-15.252	0	-0.6	64.4	35.6
18	258	2 5	133.3	295218	Cold:	-15.329			65.0	
					up:	-12.380	24	22.1	42.8	42.8
					down:	-15.548	0	-1.6	66.6	33.4
18	274	2 5	133.3	295218	Cold:	-15.342			65.1	
					up:	-12.436	23	21.8	43.3	43.3
					down:	-15.568	0	-1.7	66.8	33.2
21	244	2 5	133.3	295218	Cold:	-12.406			43.0	
					up:	-10.356	20	15.4	27.7	27.7
					down:	-12.637	1	-1.7	44.8	55.2
21	240	2 5	133.3	295218	Cold:	-15.174			63.8	
					up:	-13.126	16	15.4	48.4	48.4
					down:	-15.253	0	-0.6	64.4	35.6
22	352	1 5	266.6	295118	Cold:	-14.625			29.8	
					up:	-13.775	6	3.2	26.7	26.7
					down:	-14.671	0	-0.2	30.0	20.0
32	336	2 2	16.6	292218	Cold:	-2.129			77.7	
					up:	-1.789	19	20.5	57.3	57.3
					down:	-2.130	0	0.0	77.8	22.2

Following Design Condition are met:

Max. Variation in Support Force cold-warm = 24 % <= 25 % (MSS-SP 58)
 Minimum Reserve = 14.3 mm >= 5 mm (KTA3205.3)
 Minimum Reserve = 180 % of Travel >= 20 % (KTA3205.3)