

Internal T.C.
LOADING
FIGURES

TUBE 48x3/50x2

TUBE Ø48X3											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
1	1	520		260		197		130			
1,5	1	230		172		130		86			
2	1	128		129		97		64			
2,5	1	82		102		77		51			
3	1	56		85		64		42			
3,5	1,5+2	22		38		29		19			
4	2+2	16		33		25		16			
4,5	2+2,5	12		29		22		14			
5	2,5+2,5	10		25		19		12			
5,5	3+2,5	8		22		17		11			
6	3+3	6		20		15		10			

TUBE Ø50X2											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
1	1	400		200		155		99			
1,5	1	180		133		102		67			
2	1	98		97		75		49			
2,5	1	63		75		58		40			
3	1	43		65		48		33			
3,5	1,5+2	17		30		22		15			
4	2+2	13		26		19		13			
4,5	2+2,5	10		23		16		11			
5	2,5+2,5	8		20		14		10			
5,5	3+2,5	6		18		13		9			
6	3+3	5		15		12		8			

PROTRUSS T20

PROTRUSS T20											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2	2	92	1,0	183	1,7	92	1,4	62	1,3	46	1,7
3	3	61	3,5	181	5,5	91	4,7	61	4,4	46	5,5
4	2+2	45	8,1	179	12,9	89	11,0	60	11,0	45	13,0
5	2+1+2	36	15,8	146	21,0	90	22,0	60	20,0	45	26,0
6	2*3	30	28,0	120	30,0	88	37,0	60	34,0	44	43,0
7	3+1+3	25	42,0	102	39,0	76	50,0	51	47,0	42	59,0
8	3+2+3	22	63,0	88	50,0	65	64,0	45	60,0	37	76,0
9	3*3	17	78,0	75	62,0	57	80,0	38	74,0	32	94,0
10	5*2	14	94,0	67	75,0	51	96,0	33	89,0	28	114,0



PROTRUSS S20

PROTRUSS S20											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2	2	266	1,5	531	2,4	265	2,1	177	1,9	132	2,5
3	3	176	5,1	526	8,1	264	7,0	176	6,5	132	8,2
4	2+2	132	12,1	392	14,4	263	16,4	175	15,3	131	19,4
5	2+1+2	105	24,0	311	23,0	233	28,5	155	26,4	129	34,0
6	2*3	85	40,0	256	32,0	193	41,0	128	38,0	106	48,0
7	3+1+3	63	54,0	217	42,0	163	55,0	109	51,0	90	65,0
8	3+2+3	46	69,0	187	55,0	140	71,0	94	66,0	77	83,0
9	3*3	36	86,0	164	69,0	123	88,0	82	81,0	68	103,0
10	5*2	29	104,0	144	83,0	108	106,0	73	99,0	60	125,0



PROTRUSS F22

PROTRUSS F22											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2	S2	80	4	93	4						
3	S3	35	8	67	8						
4	S2-S2	23	9	60	12						
5	S2+S1+S2	19	15	57	35						
6	2*S2	14	20	54	45						
7	S3+S1+S3	11	30								
8	S3+S2+S3	8	42								
9	3*S3										
10	5*S2										
12	4*S3										
14	3*S3+1*S2										
16	5*S3+1*S1										
18	6*S3										
20	6*S31*S2										

PROTRUSS F30/F31

PROTRUSS F30												TÜV
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL		
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]	
2	2	482	1,0	236	1,0							
3	3	102	2,0	115	2,0							
4	2+2	30	2,0	57	2,0							
5	2+1+2	11	3,0	27	2,0							

PROTRUSS F31											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2	2	351	1,0	380	1,0						
3	3	132	2,0	201	2,0						
4	2+2	53	2,0	106	2,0						
5	2+1+2	26	3,0	63	2,0						
6	2*3	11	3,0	34	3,0						

PROTRUSS T30/T31

PROTRUSS T30											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		710	2	912	2	684	3	456	3	369	4
3		403	7	605	6	454	7	303	7	252	8
4		225	12	451	10	338	13	226	12	188	15
5		143	19	358	15	268	20	179	18	149	23
6		98	27	295	22	221	28	148	26	123	33
7		71	37	250	29	187	38	125	35	104	44
8		54	47	216	38	162	48	108	45	90	57
9		42	59	189	47	141	60	94	56	79	71
10		33	71	167	57	125	73	83	68	69	86
11		27	84	148	67	111	87	74	80	62	102
12		22	98	133	78	100	101	66	93	55	119
13		18	112	119	90	90	115	60	107	50	136
14		15	126	108	101	81	130	54	120	45	153
15		13	140	97	112	73	144	49	133	41	170
16		11	154	88	123	66	158	44	146	37	

PROTRUSS T31											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		709	2	1.223	2	728	2	486	2	369	3
3		471	6	812	5	609	7	406	6	338	8
4		303	12	605	9	454	12	303	11	252	14
5		192	18	480	15	360	19	240	17	200	22
6		132	26	396	21	297	27	198	25	165	32
7		96	35	336	28	252	36	168	33	140	42
8		72	45	290	36	217	46	145	43	121	55
9		56	56	253	45	190	58	127	54	106	68
10		45	68	224	55	168	70	112	65	93	83
11		36	81	199	65	150	83	100	77	83	98
12		30	94	179	75	134	97	89	89	74	114
13		25	108	161	86	121	111	80	102	67	130
14		21	121	145	97	109	125	73	115	61	147
15		17	135	131	108	98	139	66	128	55	163
16		15	148	119	119	89	152	59	141	50	180

PROTRUSS S30/S31



PROTRUSS S30											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		863	1	1.739	2	874	2	592	2	441	2
3		574	6	1.359	6	874	7	583	6	441	8
4		429	12	1.015	11	762	14	508	13	423	17
5		323	22	808	17	606	22	404	21	337	26
6		223	31	670	25	502	32	335	30	279	38
7		163	42	570	34	428	43	285	40	238	51
8		124	55	495	44	371	56	247	52	206	66
9		97	68	436	55	327	70	218	65	182	83
10		78	84	388	67	291	86	194	80	162	101
11		63	100	348	80	261	103	174	95	145	121
12		53	118	315	94	236	121	158	112	131	142
13		44	136	287	109	215	140	143	129	120	165
14		37	155	262	124	197	160	131	147	109	188
15		32	175	240	140	180	180	120	166	100	212
16		28	195	221	156	166	201	111	186	92	237
17		24	216	204	173	153	222	102	205	85	262
18		21	237	188	190	141	244	94	225	79	287
19		18	258	174	206	131	265	87	245	73	312
20		16	278	161	223	121	286	81	265	67	337

PROTRUSS S31											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		861	1	1.739	2	874	1	592	1	441	2
3		572	4	1.730	6	874	5	583	5	441	6
4		428	8	1.421	11	865	12	583	11	441	14
5		341	16	1.132	17	849	22	566	21	441	26
6		283	28	938	25	704	32	469	30	391	38
7		228	42	799	34	599	43	400	40	333	51
8		174	55	694	44	521	56	347	52	289	66
9		136	69	612	55	459	70	306	65	255	83
10		109	84	545	67	409	86	273	80	227	101
11		89	100	490	80	368	103	245	95	204	121
12		74	118	444	94	333	121	222	112	185	143
13		62	137	405	109	304	141	202	130	169	165
14		53	156	370	125	278	161	185	149	154	189
15		45	177	340	141	255	182	170	168	142	214
16		39	198	314	158	235	203	157	188	131	239
17		34	219	290	175	217	225	145	208	121	265
18		30	241	268	193	201	247	134	229	112	291
19		26	263	249	210	187	270	124	250	104	318
20		23	284	231	227	173	292	116	270	96	344

PROTRUSS T40/T41

PROTRUSS T40											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		949	2	1.269	2	952	3	635	3	486	4
3		562	7	842	6	632	7	421	7	351	8
4		314	12	628	10	471	13	314	12	262	15
5		199	19	499	15	374	20	249	18	208	23
6		137	27	411	22	309	28	206	26	172	33
7		100	36	349	29	262	37	174	35	145	44
8		75	47	301	38	226	48	151	45	125	57
9		59	59	263	47	198	60	132	56	110	71
10		47	71	233	57	175	73	117	68	97	86
11		38	84	208	67	156	87	104	80	87	102
12		31	98	186	78	140	101	93	93	78	119
13		26	112	168	90	126	115	84	107	70	136
14		22	127	151	101	114	130	76	120	63	153
15		18	141	137	113	103	145	69	134	57	171
16		16	155	124	124	93	160	62	148	52	188

PROTRUSS T41											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.222	1	1.731	2	1.233	2	826	2	622	2
3		767	5	1.151	4	863	5	575	5	479	6
4		429	8	859	7	644	9	430	8	358	10
5		273	13	683	10	513	13	342	12	285	16
6		188	19	566	15	424	19	283	18	236	23
7		137	25	481	20	361	26	240	24	200	31
8		104	33	417	26	312	34	208	31	174	40
9		81	41	366	33	275	42	183	39	153	49
10		65	50	325	40	244	51	163	47	136	60
11		53	59	292	48	219	61	146	56	122	72
12		44	70	263	56	197	72	132	66	110	84
13		37	80	239	64	179	83	119	76	100	97
14		31	91	217	73	163	94	109	87	91	111
15		26	103	199	82	149	106	99	98	83	124
16		23	114	182	91	137	117	91	109	76	138
17		20	126	167	101	125	129	84	120	70	152
18		17	137	154	110	115	141	77	131	64	166
19		15	148	141	119	106	153	71	141	59	180
20		13	159	130	127	98	164	65	151	54	193

PROTRUSS S40/S41

PROTRUSS S40											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.109	1	2.234	2	1.121	1	750	1	565	2
3		738	3	1.948	5	1.121	4	750	4	565	5
4		552	8	1.456	8	1.092	10	728	10	565	12
5		440	15	1.160	13	870	16	580	15	483	19
6		320	22	962	18	721	23	481	21	401	27
7		234	30	819	24	614	31	410	29	341	37
8		178	39	711	32	534	41	356	37	297	48
9		139	50	627	40	470	51	314	47	261	60
10		112	61	559	48	419	62	280	58	233	73
11		91	73	503	58	377	75	252	69	210	88
12		76	85	456	68	342	88	228	81	190	103
13		64	99	415	79	312	102	208	94	173	120
14		54	113	380	90	285	116	190	107	159	137
15		47	128	350	102	262	131	175	121	146	155
16		40	143	322	114	242	147	161	136	134	173
17		35	159	298	127	224	163	149	151	124	192
18		31	174	276	140	207	179	138	166	115	211
19		27	190	256	152	192	196	128	181	107	230
20		24	206	238	165	179	212	119	196	99	250

PROTRUSS S41											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.133	2	2.234	3	1.121	2	750	2	565	3
3		754	6	2.234	10	1.121	8	750	8	565	10
4		565	14	1.959	20	1.121	20	750	18	565	23
5		451	28	1.565	31	1.121	38	750	36	565	45
6		376	48	1.301	45	976	58	651	53	542	68
7		322	76	1.112	61	834	78	556	72	464	92
8		247	99	970	79	728	102	485	94	404	120
9		195	125	860	100	645	129	430	119	358	152
10		157	154	771	123	578	158	386	146	321	187
11		129	186	698	149	523	191	349	176	291	225
12		108	220	637	176	478	226	318	209	265	266
13		92	257	585	206	439	264	293	244	244	311
14		79	296	540	237	405	305	270	282	225	359
15		68	338	501	271	376	348	251	322	209	409
16		59	382	467	306	350	393	234	363	195	463
17		52	429	437	343	327	441	218	408	182	519
18		46	477	409	382	307	491	205	454	171	578
19		41	528	385	422	289	543	192	502	160	639
20		37	580	363	464	272	596	181	551	151	702

PROTRUSS S41R



PROTRUSS S41R											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2	2	837	1	1670	1	837	1	558	1	418	1
3	3	556	2	1660	2	833	2	555	2	416	2
4	2+2	415	4	1650	4	829	4	553	4	415	5
5	2+1+2	331	7	1540	10	825	10	550	9	412	11
6	2*3	274	13	1280	16	822	16	548	16	411	20
7	3+1+3	234	21	1090	22	818	23	545	23	409	34
8	3+2+3	204	31	950	29	711	37	474	34	393	44
9	3*3	181	44	836	36	627	47	418	43	347	55
10	5*2	149	56	745	45	559	57	372	53	309	68
12	4*3	101	79	607	63	455	81	303	75	252	96
14	3*3+2	72	105	506	84	380	107	253	99	210	127
16	5*3+3	53	133	429	106	322	136	214	126	170	160
18	6*3	40	162	367	129	275	165	183	154	152	196
20	6*3+2	31	191	316	153	237	195	158	182	131	231

PROTRUSS P36R/P36S

PROTRUSS P36R / P36S



SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		2.462	1	4.940	2	2.480	2	1.660	2	1.250	2
3		1.639	5	3.310	5	2.470	7	1.650	6	1.240	8
4		1.227	11	2.473	9	1.855	12	1.237	11	1.030	14
5		787	18	1.969	14	1.476	18	984	17	820	21
6		543	25	1.631	20	1.223	26	815	24	680	30
7		396	34	1.388	27	1.041	35	694	32	578	41
8		301	44	1.204	35	903	45	602	42	502	53
9		236	55	1.060	44	795	57	530	52	442	67
10		189	67	944	54	708	69	472	64	393	81
11		154	80	848	64	636	82	424	76	353	97
12		128	94	767	75	575	97	384	90	320	114
13		107	109	697	87	523	112	349	104	291	132
14		91	124	637	100	478	128	319	118	266	151
15		78	140	584	112	438	144	292	133	244	170
16		67	157	537	125	403	161	269	149	224	189
17		58	173	495	138	372	178	248	164	206	209
18		51	190	457	152	343	195	229	180	191	230
19		44	206	423	165	317	212	211	196	176	250
20		39	223	391	178	293	229	196	212	163	269

PROTRUSS P36APT



PROTRUSS P36APT

SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		2.462	1	4.654	2	2.480	2	1.660	2	1.250	2
3		1.638	5	3.093	5	2.320	6	1.547	6	1.240	7
4		1.155	11	2.309	8	1.732	11	1.155	10	962	13
5		735	16	1.837	13	1.378	17	919	16	766	20
6		507	23	1.520	19	1.140	24	760	22	634	28
7		369	32	1.292	25	969	32	646	30	539	38
8		280	41	1.120	33	840	42	560	39	467	49
9		219	51	984	41	738	52	492	48	410	62
10		175	62	875	50	656	64	437	59	365	75
11		143	74	784	59	588	76	392	71	327	90
12		118	87	708	70	531	89	354	83	295	105
13		99	100	642	80	481	103	321	95	268	121
14		84	114	585	91	439	117	292	108	244	138
15		71	128	534	103	401	132	267	122	223	155
16		61	143	490	114	367	147	245	136	204	173
17		53	157	450	126	337	162	225	149	187	190
18		46	171	413	137	310	176	207	163	172	207
19		40	185	380	148	285	191	190	176	159	224
20		35	199	350	159	262	205	175	189	146	241

PROTRUSS P50SL/P50SV

PROTRUSS P50SL/P50SV



SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		3.320	1	6.660	1	3.340	1	2.230	1	1.680	1
3		2.210	3	5.171	3	3.330	4	2.230	3	1.670	4
4		1.655	6	3.867	6	2.900	7	1.933	7	1.611	9
5		1.232	11	3.081	9	2.311	11	1.541	11	1.284	14
6		852	16	2.555	13	1.917	16	1.278	15	1.065	19
7		622	22	2.178	17	1.633	22	1.089	21	908	26
8		473	28	1.893	22	1.420	29	947	27	789	34
9		371	35	1.670	28	1.252	36	835	34	696	43
10		298	43	1.490	35	1.118	44	745	41	621	52
11		244	52	1.342	41	1.006	53	671	49	559	63
12		203	61	1.217	49	913	63	609	58	507	74
13		171	71	1.110	57	833	73	555	67	463	86
14		145	81	1.018	65	764	83	509	77	424	98
15		125	92	937	73	703	94	469	87	391	111
16		108	103	866	82	649	106	433	98	361	124
17		94	114	802	91	601	117	401	108	334	138
18		83	126	744	101	558	129	372	120	310	152
19		73	138	692	110	519	141	346	131	288	166
20		64	149	644	119	483	153	322	142	268	181
21		57	161	600	129	450	166	300	153	250	195
22		51	173	560	138	420	178	280	164	233	209
23		45	184	522	147	392	189	261	175	218	223
24		41	195	487	156	365	201	244	186	203	236

PROTRUSS P50F

PROTRUSS P50F (FOLDING)



SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		3.469	1	6.950	1	3.480	1	2.330	1	1.750	1
3		2.309	3	4.838	3	3.480	4	2.320	3	1.750	4
4		1.730	6	3.616	5	2.712	7	1.808	6	1.507	8
5		1.152	10	2.881	8	2.161	11	1.441	10	1.201	13
6		796	15	2.389	12	1.791	15	1.194	14	995	18
7		581	20	2.035	16	1.526	21	1.017	19	848	24
8		442	26	1.768	21	1.326	27	884	25	737	32
9		346	33	1.559	26	1.169	34	779	31	650	40
10		278	40	1.390	32	1.043	41	695	38	579	49
11		227	48	1.251	39	938	50	625	46	521	58
12		189	57	1.134	45	850	58	567	54	472	69
13		159	66	1.033	53	775	68	517	63	431	80
14		135	75	947	60	710	77	473	72	395	91
15		116	85	870	68	653	88	435	81	363	103
16		100	95	803	76	602	98	402	91	335	115
17		87	106	743	85	557	109	371	101	310	128
18		76	116	688	93	516	120	344	111	287	141
19		67	127	639	102	479	131	320	121	266	154
20		59	138	594	110	445	142	297	131	248	167
21		53	148	552	119	414	152	276	141	230	179
22		47	159	514	127	386	163	257	151	214	192
23		42	169	479	135	359	174	239	160	200	207
24		37	179	445	143	334	184	223	170	186	216

PROTRUSS T50

PROTRUSS T50 (POINT DOWN)

SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
4		555		1320							
6		351		1121							
8		326		1034							
10		219		912							
12		127		815							
14		79		565							
16		49		494							
18		32		366							
20		22		275							

PROTRUSS T50 (POINT UP)

SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
4		474		825							
6		310		642							
8		173		530							
10		107		443							
12		71		377							
14		50		336							
16		35		275							
18		25		203							
20		13		132							

PROTRUSS P60



PROTRUSS P60											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		3.631	1	7.280	1	3.650	1	2.440	1	1.830	1
3		2.417	2	6.718	3	3.640	2	2.430	2	1.830	3
4		1.810	4	5.027	4	3.640	6	2.430	5	1.830	6
5		1.445	8	4.005	7	3.003	9	2.002	8	1.669	10
6		1.108	12	3.323	10	2.492	13	1.662	12	1.385	15
7		810	17	2.834	13	2.126	17	1.417	16	1.181	20
8		616	22	2.466	17	1.849	22	1.233	21	1.027	26
9		484	27	2.177	22	1.633	28	1.089	26	907	33
10		389	34	1.945	27	1.459	34	973	32	811	41
11		319	40	1.754	32	1.315	41	877	38	731	49
12		265	47	1.593	38	1.195	49	797	45	664	57
13		224	55	1.456	44	1.092	57	728	52	607	67
14		191	63	1.337	51	1.003	65	669	60	557	77
15		164	72	1.233	57	925	74	617	68	514	87
16		143	81	1.141	64	856	83	571	77	476	98
17		125	90	1.059	72	794	92	530	85	441	109
18		109	99	985	79	739	102	493	94	411	120
19		97	109	919	87	689	112	459	103	383	131
20		86	118	858	95	643	122	429	112	358	143
21		76	128	802	102	602	132	401	122	334	155
22		68	138	751	110	563	142	375	131	313	167
23		61	148	703	118	527	152	352	140	293	178
24		55	157	659	126	494	161	330	149	275	190

PROTRUSS P100

PROTRUSS P100



SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
8		1.500	12	6.155	10	4.616	13	3.078	12	2.565	15
9		1.211	16	5.450	13	4.088	17	2.725	15	2.271	19
10		977	20	4.884	16	3.663	20	2.442	19	2.035	24
11		803	24	4.418	19	3.314	24	2.209	23	1.841	29
12		671	28	4.029	23	3.021	29	2.014	27	1.679	34
13		569	33	3.697	26	2.773	34	1.849	31	1.541	40
14		487	38	3.411	30	2.559	39	1.706	36	1.421	46
15		422	43	3.162	35	2.372	44	1.581	41	1.318	52
16		369	49	2.943	39	2.207	50	1.471	46	1.226	59
17		323	55	2.748	44	2.061	56	1.374	52	1.145	66
18		286	61	2.573	49	1.930	62	1.287	58	1.072	73
19		254	67	2.416	54	1.812	69	1.208	64	1.007	81
20		227	74	2.273	59	1.705	76	1.137	70	947	89
22		184	87	2.024	70	1.518	90	1.012	83	843	105
24		151	101	1.812	81	1.359	104	906	96	755	123
26		125	116	1.629	93	1.222	119	815	110	679	140
28		105	130	1.469	104	1.102	134	735	124	612	158
30		89	145	1.328	116	996	149	664	138	553	175
32		75	159	1.201	127	901	164	601	151	501	193
34		64	173	1.087	138	815	178	544	164	453	209
36		55	185	983	148	737	191	492	176	410	224
38		47	197	887	157	666	202	444	187	370	238
40		40	207	799	165	599	213	400	197	333	250
31		70	132,0	1.091	106,0	819	135,0	546	126,0	453	160,0
32		65	138,0	1.033	110,0	775	141,0	516	131,0	429	166,0
33		59	143,0	977	114,0	733	146,0	488	136,0	405	172,0
34		54	147,0	923	118,0	693	151,0	462	140,0	383	178,0
35		50	152,0	872	122,0	654	155,0	436	144,0	362	184,0
36		46	156,0	823	125,0	618	160,0	412	148,0	342	189,0
37		42	159,0	777	128,0	582	163,0	388	152,0	322	193,0
38		39	163,0	731	130,0	549	166,0	366	155,0	304	197,0
39		35	166,0	688	133,0	516	169,0	344	158,0	286	199,0
40		32	168,0	646	134,0	485	172,0	323	160,0	268	202,0

INTERTRUSS FS22

INTERTRUSS FS22											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2	S2	80	4	93	4						
3	S3	35	8	67	8						
4	S2-S2	23	9	60	12						
5	S2+S1+S2	19	15	57	35						
6	2*S2	14	20	54	45						
7	S3+S1+S3	11	30								
8	S3+S2+S3	8	42								
9	3*S3										
10	5*S2										
12	4*S3										
14	3*S3+1*S2										
16	5*S3+1*S1										
18	6*S3										
20	6*S31*S2										

INTERTRUSS FS32/FS32HD

INTERTRUSS FS32												TÜV
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL		
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]	
2	2-0	479		575								
3	3-0	108		153								
4	4-0	31		65								
5	5-1	12		28								
5	5-2	12		28								

INTERTRUSS FS32HD											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2	2	284	0	567	1	284	1	189	1	142	1
3	3	189	2	457	3	284	3	189	3	142	4
4	2+2	141	5	342	5	257	6	171	6	128	8
5	2+1+2	109	9	272	8	204	10	136	9	113	12
6	2*3	75	14	225	11	169	14	113	13	94	17
7	3+1+3	55	18	192	15	144	19	96	18	80	23
8	3+2+3	41	24	167	19	125	25	83	23	69	29

INTERTRUSS FS33/FS33HD

INTERTRUSS FS33											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		956	3	957	3	718	3	478	3	399	4
3		423	7	634	6	476	7	317	7	264	9
4		236	13	472	10	354	13	236	12	197	15
5		150	20	374	16	281	20	187	19	156	24
6		103	28	308	23	231	29	154	27	129	34
7		74	38	261	30	196	39	130	36	109	46
8		56	49	225	39	168	50	112	46	94	59
9		44	60	196	48	147	62	98	57	82	73
10		34	73	173	58	129	75	86	69	72	88
11		28	86	153	69	115	89	77	82	64	104
12		23	100	137	80	102	103	68	95	57	121
13		19	114	122	91	92	117	61	108	51	138
14		16	128	110	102	82	131	55	121	46	154
15		13	141	99	113	74	145	49	134	41	171
16		11	154	89	123	67	158	44	147	37	187

INTERTRUSS FS33HD											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.324	3	1.387	3	1.040	3	693	3	578	4
3		614	7	920	6	690	7	460	7	384	9
4		343	13	686	10	515	13	343	12	286	15
5		218	20	545	16	409	20	272	19	227	24
6		150	28	450	22	337	29	225	27	187	34
7		109	38	381	30	286	39	191	36	159	46
8		82	49	329	39	247	50	164	46	137	59
9		64	60	288	48	216	62	144	58	120	73
10		51	73	254	59	191	75	127	70	106	89
11		41	87	227	70	170	89	113	83	94	105
12		34	101	203	81	152	104	102	96	85	123
13		28	116	183	93	137	119	92	110	76	140
14		24	131	165	105	124	135	83	124	69	158
15		20	146	150	117	112	150	75	139	62	176
16		17	160	136	128	102	165	68	152	57	194
17		14	174	123	139	92	179	62	166	51	211
18		12	188	111	150	84	193	56	179	47	227
19		11	200	101	160	76	205	51	190	42	242
20		10	224	91	168	68	217	46	200	38	255

INTERTRUSS FS34/FS34HD

INTERTRUSS FS34



SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.204	2	1.998	3	1.218	3	812	3	618	3
3		801	7	1.329	6	997	8	664	7	554	9
4		496	14	993	11	745	14	497	13	414	16
5		323	22	808	17	606	22	404	21	337	26
6		223	31	670	25	502	32	335	30	279	38
7		163	42	570	34	428	43	285	40	238	51
8		124	55	495	44	371	56	247	52	206	66
9		97	68	436	55	327	70	218	65	182	83
10		78	84	388	67	291	86	194	80	162	101
11		63	100	348	80	261	103	174	95	145	121
12		53	118	315	94	236	121	158	112	131	142
13		44	136	287	109	215	140	143	129	120	165
14		37	155	262	124	197	160	131	147	109	188
15		32	175	240	140	180	180	120	166	100	212
16		28	195	221	156	166	201	111	186	92	237
17		24	216	204	173	153	222	102	205	85	262
18		21	237	188	190	141	244	94	225	79	287
19		18	258	174	206	131	265	87	245	73	312
20		16	278	161	223	121	286	81	265	67	337

INTERTRUSS FS34HD




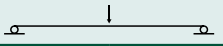
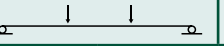
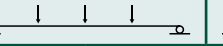
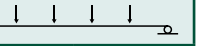
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.203	1	2.419	2	1.218	2	812	2	618	2
3		801	5	1.927	6	1.218	7	812	6	618	8
4		599	11	1.442	11	1.081	14	721	13	601	16
5		460	21	1.149	17	862	22	575	20	479	25
6		318	30	954	24	715	31	477	29	397	36
7		232	41	814	33	610	42	407	39	339	49
8		177	53	708	42	531	54	354	50	295	64
9		139	66	625	53	469	68	313	63	260	80
10		112	81	558	65	419	84	279	77	233	99
11		92	98	503	78	378	100	252	93	210	118
12		76	115	457	92	343	118	229	110	191	139
13		64	134	418	107	314	138	209	127	174	162
14		55	154	384	123	288	158	192	146	160	186
15		47	174	354	139	266	179	177	166	148	211
16		41	196	328	157	246	201	164	186	137	237
17		36	218	304	174	228	224	152	207	127	264
18		31	241	283	193	212	247	142	229	118	291
19		28	264	264	211	198	271	132	251	110	319
20		25	288	247	230	185	296	123	273	103	348


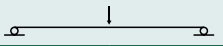
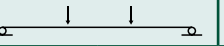
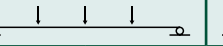
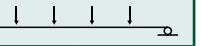
INTERTRUSS FS43/FS43HD

INTERTRUSS FS43											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.313	2	1.313	2	985	2	657	2	547	3
3		581	5	872	4	654	5	436	5	363	6
4		325	8	650	7	487	9	325	8	271	10
5		206	13	516	10	387	13	258	12	215	16
6		142	19	426	15	319	19	213	18	178	23
7		103	25	361	20	271	26	181	24	150	30
8		78	32	312	26	234	33	156	31	130	39
9		61	40	273	32	205	41	136	38	114	49
10		48	49	241	39	181	50	121	46	101	59
11		39	58	215	46	161	60	108	55	90	70
12		32	68	193	54	145	69	97	64	81	82
13		27	77	174	62	130	80	87	74	73	94
14		22	87	157	70	118	90	79	83	66	106
15		19	97	142	78	107	100	71	93	59	118
16		16	107	129	86	97	110	65	102	54	130
17		14	117	117	93	88	120	59	111	49	141
18		12	126	106	101	80	129	53	120	44	152
19		10	134	96	107	72	138	48	127	40	162
20		10	158	87	113	66	146	44	135	36	171

PROTRUSS FS43HD											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.667	2	1.901	2	1.426	2	951	2	792	3
3		842	5	1.263	4	947	5	632	4	526	6
4		471	8	943	7	707	9	472	8	393	10
5		300	13	750	10	562	13	375	12	313	16
6		207	18	620	15	465	19	310	18	258	22
7		150	25	527	20	395	26	263	24	220	30
8		114	32	456	26	342	33	228	31	190	39
9		89	40	401	32	300	41	200	38	167	49
10		71	49	356	39	267	50	178	47	148	59
11		58	58	318	47	239	60	159	56	133	71
12		48	68	287	55	215	70	144	65	120	83
13		40	79	260	63	195	81	130	75	108	95
14		34	89	236	72	177	92	118	85	99	108
15		29	100	216	80	162	103	108	95	90	122
16		25	111	197	89	148	115	99	106	82	135
17		21	122	181	98	135	126	90	116	75	148
18		18	133	166	107	124	137	83	127	69	161
19		16	144	152	115	114	148	76	137	63	174
20		14	154	139	123	104	158	70	146	58	186

INTERTRUSS FS44/FS44HD

INTERTRUSS FS44											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
											
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.515	1	2.718	2	1.527	2	1.024	2	768	2
3		1.008	4	1.807	4	1.355	5	904	5	753	6
4		675	9	1.350	7	1.013	9	675	8	563	11
5		430	14	1.075	11	807	14	538	13	448	17
6		297	20	891	16	668	20	446	19	371	24
7		217	26	759	21	569	27	379	25	316	32
8		165	34	659	27	494	35	329	33	274	41
9		129	43	580	34	435	44	290	41	242	52
10		103	53	517	42	388	54	259	50	215	64
11		84	63	465	50	348	65	232	60	194	76
12		70	74	421	59	315	76	210	70	175	89
13		59	86	383	68	287	88	192	81	160	104
14		50	98	350	78	263	100	175	93	146	118
15		43	110	321	88	241	113	161	105	134	133
16		37	123	296	99	222	127	148	117	123	149
17		32	136	273	109	205	140	137	130	114	165
18		28	150	253	120	189	154	126	142	105	181
19		25	163	234	131	175	168	117	155	98	197
20		22	176	217	141	163	181	109	168	90	214

INTERTRUSS FS44HD											
SPAN [M]	CONFIGURATION	UDL		CPL		2PL		3PL		4PL	
											
		UDL [KG/M]	DEFL. [MM]	CPL [KG/POINT]	DEFL. [MM]	2PL [KG/POINT]	DEFL. [MM]	3PL [KG/POINT]	DEFL. [MM]	4PL [KG/POINT]	DEFL. [MM]
2		1.514	1	3.037	1	1.527	1	1.024	1	768	1
3		1.007	3	2.616	4	1.527	4	1.024	4	768	5
4		754	7	1.957	7	1.468	9	978	8	768	10
5		602	13	1.560	11	1.170	14	780	13	650	16
6		431	19	1.294	15	970	20	647	18	539	23
7		315	26	1.103	21	827	27	552	25	460	32
8		240	34	959	27	719	35	480	32	400	41
9		188	43	847	34	635	44	423	41	353	52
10		151	52	756	42	567	54	378	50	315	63
11		124	63	681	50	511	65	341	60	284	76
12		103	74	618	59	464	76	309	70	258	89
13		87	86	564	69	423	88	282	82	235	104
14		74	98	518	79	388	101	259	94	216	119
15		64	112	477	89	358	115	239	106	199	135
16		55	125	441	100	331	129	221	119	184	151
17		48	139	409	111	307	143	204	132	170	168
18		42	153	380	123	285	158	190	146	158	186
19		37	168	354	134	265	173	177	160	147	203
20		33	183	330	146	247	188	165	174	137	221