

	Customer Drumclip		Date 24-11-2023	
	Project vaten 4 VOFMetalcot	Reference vaten 4 VOFMetalcot	Revision 01	

1. Load unit descriptive data

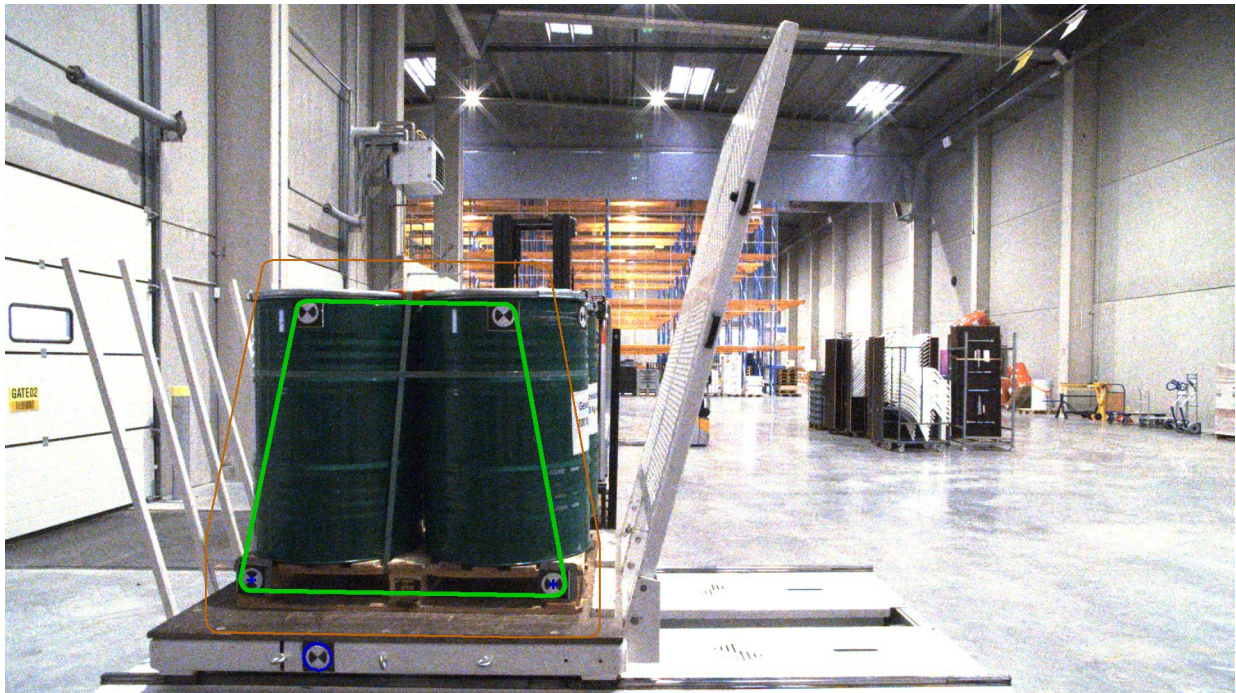
- *Dimensions (mm):* 1140 x 1140 x 1050
- *Weight (kg):* 840
- *Nature of the Products:* Drumclip
- *Description of Primary Pack:* 4 vaten
- *Description of Secondary Pack:* Strapping 1 hor 1 ver drumclip 23 c
- *Layer Stacking pattern:* 1 layers
- *Type of Pallet:* CP 9
- *Responsible of the description:* Dhr. Wouter Geldhof

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2. Test related data

2.1. Orientation of the test: Length

- *Date of Test:* 24/11/2023
- *Place:* Ghent Belgium
- *Rigidity (g):* 0.80G
- *Testing History:* passed the EUMOS40509 testing



Load Before Test



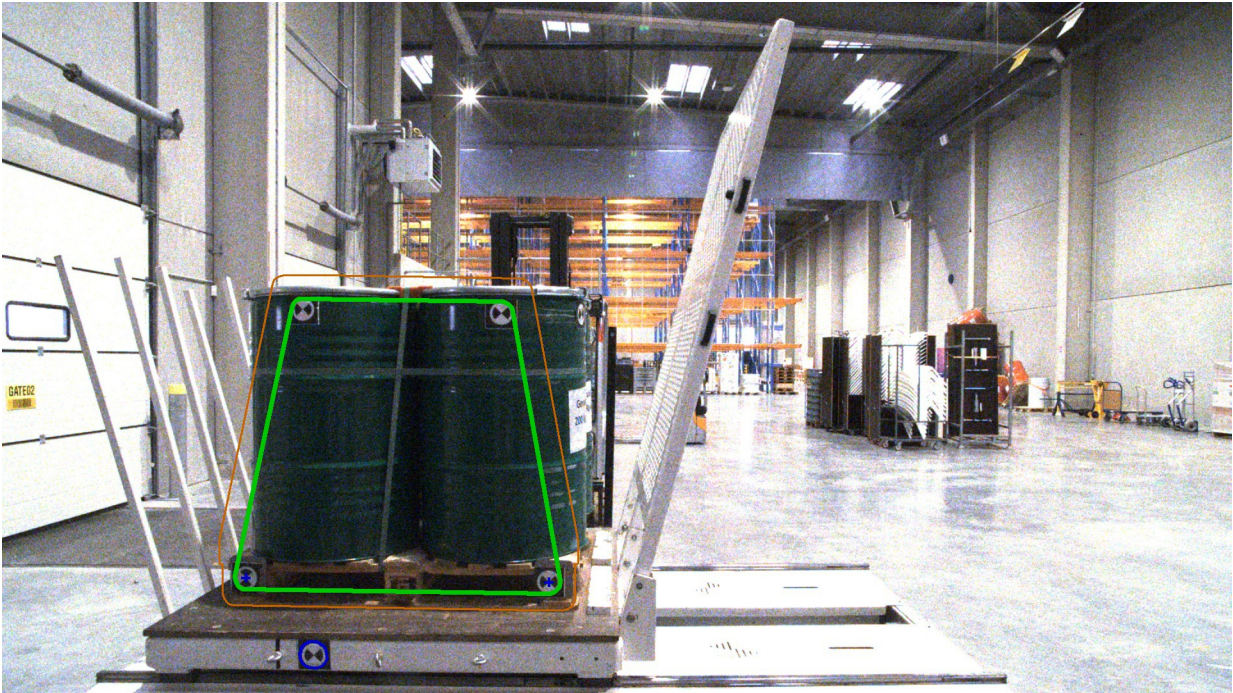
Customer
Drumclip

Date
24-11-2023

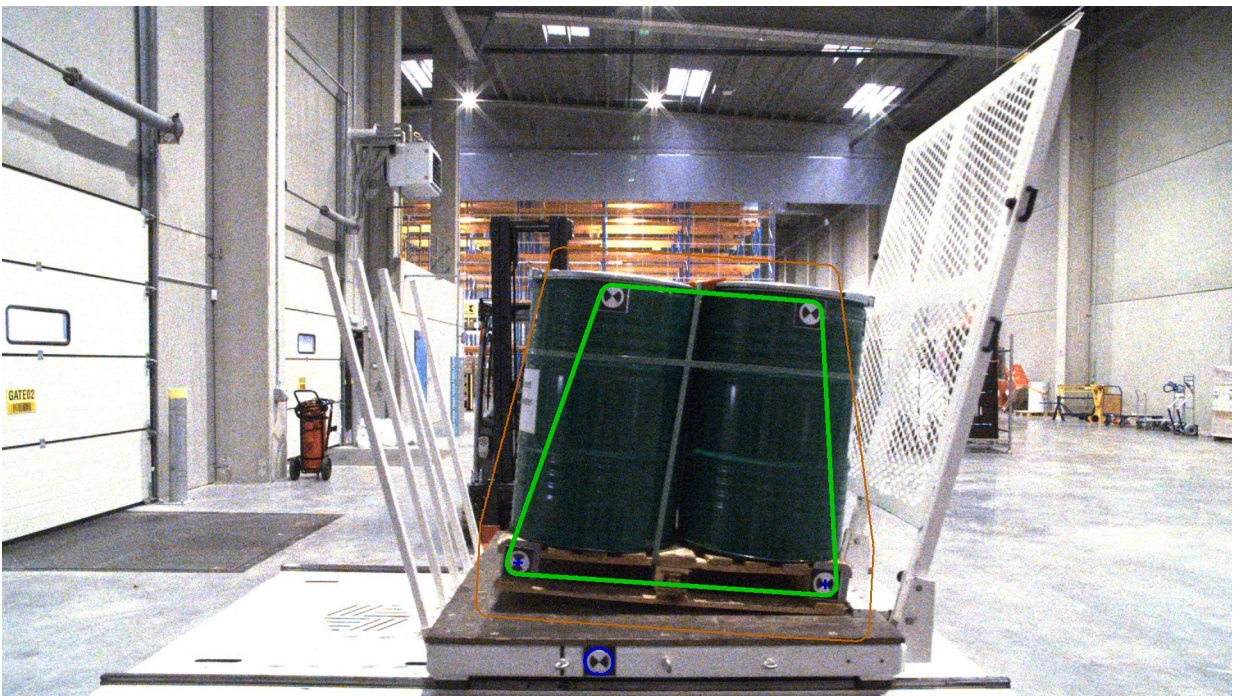
Project
vaten 4
VOFMetalcot

Reference
vaten 4
VOFMetalcot

Revision
01



Permanent Deformation





Max Elastic Deformation

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3. Test Validation

- *Temperature of the test area:* 21°
- *Humidity of the test area:* 60%
- *Responsible of Report:* Dhr. Geert Frans
- *Sign:*



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4. Annex



Date	24/11/2023	
Project/Customer	vaten4 VOFMetalcot	
Load Reference	vaten4 VOFMetalcot	
Accelerationtest	0.80G	
Load Height(mm)	1050	
Load Weight(kg)	840	
Test Method	CUSTOM	
CenterOf Gravity	0	

Permanent		Elastic(10%)
h<200 mm	h>200 mm	
40 mm	60 mm	105 mm



Figure1. FirstDetectedFrame

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Permanent Deformation				
Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
479	3976	0	60	OK

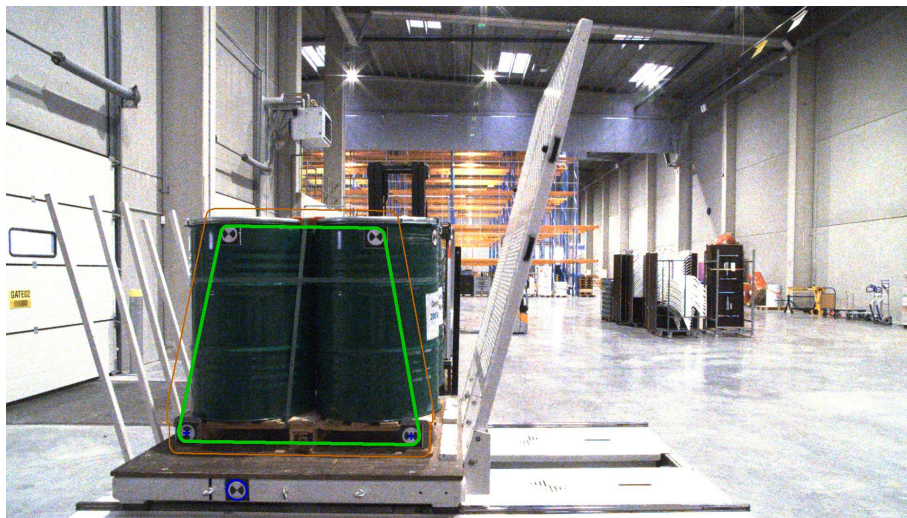
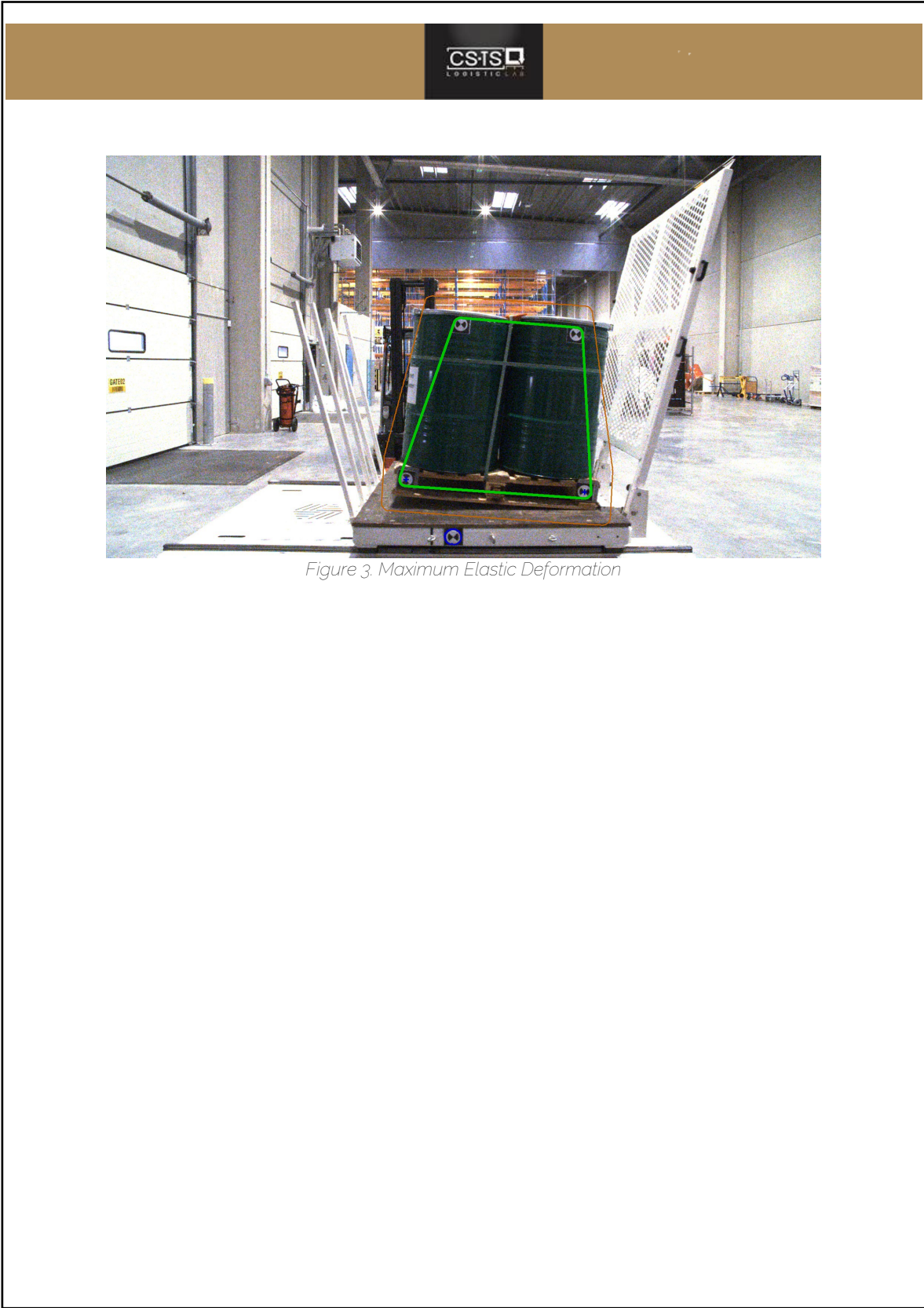


Figure 2. Permanent Deformation

Max/Over Elastic Deformation				
Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
153	1270	38	105	OK

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List of Results

Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
0	0	0	105	OK
1	8	0	105	OK
2	17	0	105	OK
3	25	0	105	OK
4	33	0	105	OK
5	42	0	105	OK
6	50	0	105	OK
7	58	0	105	OK
8	66	0	105	OK
9	75	0	105	OK
10	83	0	105	OK
11	91	0	105	OK
12	100	0	105	OK
13	108	0	105	OK
14	116	0	105	OK
15	125	0	105	OK
16	133	0	105	OK
17	141	0	105	OK
18	149	0	105	OK
19	158	0	105	OK
21	174	0	105	OK
22	183	0	105	OK
23	191	0	105	OK
24	199	0	105	OK
25	208	0	105	OK
26	216	0	105	OK
27	224	0	105	OK
28	232	0	105	OK
29	241	0	105	OK
30	249	0	105	OK
32	266	0	105	OK
33	274	0	105	OK
34	282	0	105	OK
35	290	0	105	OK
36	299	0	105	OK
37	307	0	105	OK
38	315	0	105	OK
39	324	0	105	OK
40	332	0	105	OK
41	340	0	105	OK
42	349	0	105	OK
44	365	0	105	OK
45	374	0	105	OK
46	382	0	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
47	390	0	105	OK
48	398	0	105	OK
49	407	0	105	OK
50	415	0	105	OK
51	423	0	105	OK
52	432	1	105	OK
53	440	0	105	OK
54	448	0	105	OK
55	457	1	105	OK
56	465	1	105	OK
57	473	1	105	OK
58	481	1	105	OK
59	490	1	105	OK
60	498	5	105	OK
61	506	3	105	OK
62	515	3	105	OK
63	523	3	105	OK
64	531	3	105	OK
65	540	3	105	OK
66	548	5	105	OK
67	556	5	105	OK
68	564	5	105	OK
69	573	5	105	OK
70	581	5	105	OK
71	589	7	105	OK
72	598	7	105	OK
75	622	7	105	OK
76	631	9	105	OK
77	639	7	105	OK
78	647	9	105	OK
79	656	9	105	OK
80	664	7	105	OK
82	681	11	105	OK
83	689	11	105	OK
84	697	11	105	OK
85	706	11	105	OK
86	714	9	105	OK
87	722	11	105	OK
88	730	13	105	OK
90	747	13	105	OK
91	755	13	105	OK
93	772	11	105	OK
94	780	11	105	OK
95	789	13	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
96	797	15	105	OK
97	805	13	105	OK
99	822	13	105	OK
100	830	13	105	OK
101	838	15	105	OK
102	847	13	105	OK
103	855	15	105	OK
105	872	15	105	OK
107	888	15	105	OK
108	896	13	105	OK
111	921	15	105	OK
112	930	15	105	OK
113	938	15	105	OK
114	946	17	105	OK
116	963	15	105	OK
117	971	13	105	OK
118	979	15	105	OK
119	988	15	105	OK
120	996	13	105	OK
121	1004	15	105	OK
122	1013	13	105	OK
123	1021	15	105	OK
124	1029	13	105	OK
125	1038	13	105	OK
126	1046	13	105	OK
127	1054	13	105	OK
128	1062	13	105	OK
129	1071	13	105	OK
130	1079	15	105	OK
131	1087	13	105	OK
132	1096	16	105	OK
133	1104	20	105	OK
134	1112	25	105	OK
135	1120	28	105	OK
136	1129	29	105	OK
137	1137	30	105	OK
138	1145	32	105	OK
139	1154	32	105	OK
140	1162	34	105	OK
141	1170	33	105	OK
142	1179	35	105	OK
143	1187	37	105	OK
144	1195	35	105	OK
145	1204	37	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
146	1212	34	105	OK
147	1220	36	105	OK
148	1228	35	105	OK
149	1237	37	105	OK
150	1245	36	105	OK
151	1253	36	105	OK
152	1262	37	105	OK
153	1270	38	105	OK
154	1278	38	105	OK
156	1295	37	105	OK
157	1303	37	105	OK
158	1311	37	105	OK
160	1328	35	105	OK
161	1336	34	105	OK
162	1345	34	105	OK
163	1353	33	105	OK
164	1361	32	105	OK
165	1370	31	105	OK
166	1378	32	105	OK
167	1386	29	105	OK
168	1394	29	105	OK
169	1403	29	105	OK
170	1411	27	105	OK
171	1419	27	105	OK
173	1436	26	105	OK
174	1444	26	105	OK
175	1453	26	105	OK
176	1461	25	105	OK
177	1469	26	105	OK
178	1477	13	105	OK
179	1486	25	105	OK
182	1511	26	105	OK
183	1519	22	105	OK
184	1527	14	105	OK
186	1544	9	105	OK
187	1552	10	105	OK
189	1569	9	105	OK
190	1577	9	105	OK
191	1585	7	105	OK
192	1594	7	105	OK
193	1602	7	105	OK
194	1610	5	105	OK
195	1619	7	105	OK
196	1627	7	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
197	1635	9	105	OK
198	1643	5	105	OK
199	1652	7	105	OK
200	1660	5	105	OK
201	1668	5	105	OK
202	1677	7	105	OK
203	1685	5	105	OK
204	1693	5	105	OK
207	1718	3	105	OK
209	1735	3	105	OK
210	1743	3	105	OK
211	1751	3	105	OK
212	1760	3	105	OK
213	1768	5	105	OK
214	1776	1	105	OK
216	1793	1	105	OK
217	1801	3	105	OK
218	1809	3	105	OK
219	1818	1	105	OK
220	1826	3	105	OK
221	1834	0	105	OK
223	1851	1	105	OK
224	1859	1	105	OK
225	1868	1	105	OK
226	1876	1	105	OK
227	1884	1	105	OK
228	1892	0	105	OK
229	1901	0	105	OK
230	1909	0	105	OK
231	1917	0	105	OK
232	1926	0	105	OK
233	1934	0	105	OK
234	1942	0	105	OK
235	1951	0	105	OK
236	1959	0	105	OK
237	1967	0	105	OK
238	1975	0	105	OK
239	1984	0	105	OK
240	1992	0	105	OK
241	2000	0	105	OK
242	2009	0	105	OK
243	2017	0	105	OK
244	2025	0	105	OK
245	2034	0	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
246	2042	0	105	OK
247	2050	0	105	OK
248	2058	0	105	OK
249	2067	0	105	OK
250	2075	0	105	OK
251	2083	0	105	OK
252	2092	0	105	OK
253	2100	0	105	OK
254	2108	0	105	OK
255	2116	0	105	OK
256	2125	0	105	OK
257	2133	0	105	OK
258	2141	0	105	OK
259	2150	0	105	OK
260	2158	0	105	OK
261	2166	0	105	OK
262	2175	0	105	OK
263	2183	0	105	OK
264	2191	0	105	OK
265	2200	0	105	OK
266	2208	0	105	OK
267	2216	0	105	OK
268	2224	0	105	OK
269	2233	0	105	OK
270	2241	0	105	OK
271	2249	0	105	OK
272	2258	0	105	OK
274	2274	0	105	OK
275	2282	0	105	OK
276	2291	0	105	OK
277	2299	0	105	OK
278	2307	0	105	OK
280	2324	0	105	OK
281	2332	0	105	OK
282	2341	0	105	OK
283	2349	0	105	OK
284	2357	0	105	OK
285	2366	0	105	OK
286	2374	0	105	OK
287	2382	0	105	OK
288	2390	0	105	OK
289	2399	0	105	OK
290	2407	0	105	OK
291	2415	0	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
292	2424	0	105	OK
293	2432	0	105	OK
294	2440	0	105	OK
295	2448	0	105	OK
296	2457	0	105	OK
297	2465	0	105	OK
298	2473	0	105	OK
299	2482	0	105	OK
300	2490	0	105	OK
301	2498	0	105	OK
302	2507	0	105	OK
303	2515	0	105	OK
304	2523	0	105	OK
305	2532	0	105	OK
306	2540	0	105	OK
307	2548	0	105	OK
308	2556	0	105	OK
309	2565	0	105	OK
310	2573	0	105	OK
311	2581	0	105	OK
312	2590	0	105	OK
313	2598	0	105	OK
314	2606	0	105	OK
316	2623	0	105	OK
317	2631	0	105	OK
318	2639	0	105	OK
319	2648	0	105	OK
320	2656	0	105	OK
321	2664	0	105	OK
322	2673	0	105	OK
323	2681	0	105	OK
324	2689	0	105	OK
325	2698	0	105	OK
326	2706	0	105	OK
327	2714	0	105	OK
328	2722	0	105	OK
329	2731	0	105	OK
330	2739	0	105	OK
331	2747	0	105	OK
332	2756	0	105	OK
334	2772	0	105	OK
335	2781	0	105	OK
336	2789	0	105	OK
337	2797	0	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
338	2805	0	105	OK
340	2822	0	105	OK
341	2830	0	105	OK
342	2839	0	105	OK
343	2847	0	105	OK
344	2855	0	105	OK
345	2864	0	105	OK
346	2872	0	105	OK
347	2880	0	105	OK
348	2888	0	105	OK
349	2897	0	105	OK
350	2905	0	105	OK
352	2922	0	105	OK
353	2930	0	105	OK
354	2938	0	105	OK
355	2947	0	105	OK
356	2955	0	105	OK
357	2963	0	105	OK
358	2971	0	105	OK
359	2980	0	105	OK
360	2988	0	105	OK
361	2996	0	105	OK
362	3005	0	105	OK
363	3013	0	105	OK
364	3021	0	105	OK
365	3030	0	105	OK
366	3038	0	105	OK
367	3046	0	105	OK
368	3054	0	105	OK
369	3063	0	105	OK
370	3071	0	105	OK
371	3079	0	105	OK
372	3088	0	105	OK
373	3096	0	105	OK
374	3104	0	105	OK
375	3113	0	105	OK
376	3121	0	105	OK
377	3129	0	105	OK
378	3137	0	105	OK
379	3146	0	105	OK
380	3154	0	105	OK
381	3162	0	105	OK
382	3171	0	105	OK
383	3179	0	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
384	3187	0	105	OK
385	3196	0	105	OK
386	3204	0	105	OK
388	3220	0	105	OK
389	3229	0	105	OK
390	3237	0	105	OK
391	3245	0	105	OK
392	3254	0	105	OK
395	3279	0	105	OK
397	3295	0	105	OK
399	3312	0	105	OK
400	3320	0	105	OK
401	3328	0	105	OK
402	3337	0	105	OK
403	3345	0	105	OK
405	3362	0	105	OK
406	3370	0	105	OK
407	3378	0	105	OK
408	3386	0	105	OK
410	3403	0	105	OK
411	3411	0	105	OK
412	3420	0	105	OK
413	3428	0	105	OK
414	3436	0	105	OK
415	3445	0	105	OK
416	3453	0	105	OK
417	3461	0	105	OK
418	3469	0	105	OK
419	3478	0	105	OK
420	3486	0	105	OK
421	3494	0	105	OK
422	3503	0	105	OK
423	3511	0	105	OK
424	3519	0	105	OK
425	3528	0	105	OK
426	3536	0	105	OK
427	3544	0	105	OK
428	3552	0	105	OK
429	3561	0	105	OK
430	3569	0	105	OK
431	3577	0	105	OK
432	3586	0	105	OK
433	3594	0	105	OK
434	3602	0	105	OK

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Frame	Time (mseconds)	Def (mm)	Def limit	Ok/Not OK
435	3611	0	105	OK
436	3619	0	105	OK
437	3627	0	105	OK
438	3635	0	105	OK
439	3644	0	105	OK
440	3652	0	105	OK
441	3660	0	105	OK
442	3669	0	105	OK
443	3677	0	105	OK
444	3685	0	105	OK
445	3694	0	105	OK
446	3702	0	105	OK
447	3710	0	105	OK
448	3718	0	105	OK
449	3727	0	105	OK
450	3735	0	105	OK
451	3743	0	105	OK
452	3752	0	105	OK
453	3760	0	105	OK
454	3768	0	105	OK
455	3777	0	105	OK
456	3785	0	105	OK
457	3793	0	105	OK
458	3801	0	105	OK
459	3810	0	105	OK
460	3818	0	105	OK
461	3826	0	105	OK
462	3835	0	105	OK
463	3843	0	105	OK
464	3851	0	105	OK
465	3860	0	105	OK
466	3868	0	105	OK
467	3876	0	105	OK
468	3884	0	105	OK
469	3893	0	105	OK
470	3901	0	105	OK
471	3909	0	105	OK
472	3918	0	105	OK
473	3926	0	105	OK
474	3934	0	105	OK
475	3943	0	105	OK
476	3951	0	105	OK
477	3959	0	105	OK
479	3976	0	105	OK