

Simulation of Simulation3 - Analysis of Stress on a Ramp

Date: Wednesday, October 15, 2025

Designer: Solidworks

Study name: Static 3

Analysis type: Static

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Description

No Data

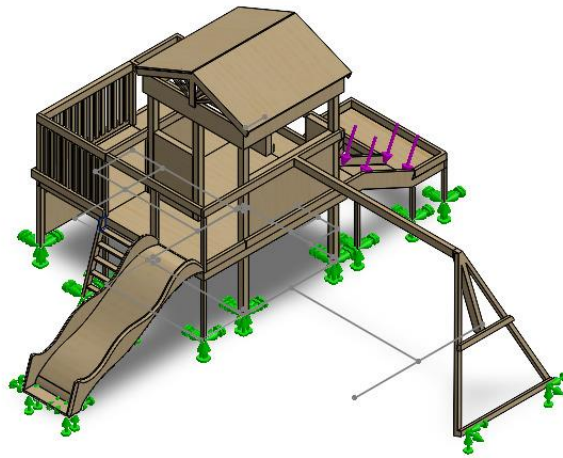


Assumptions



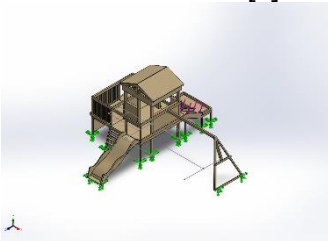
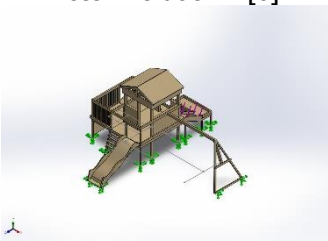
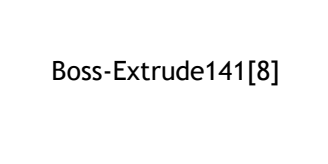
Model Information



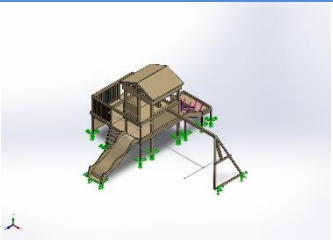
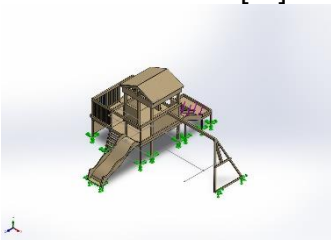

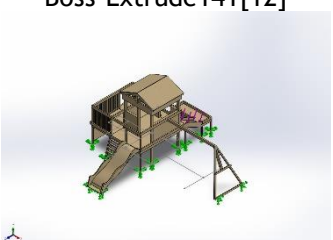
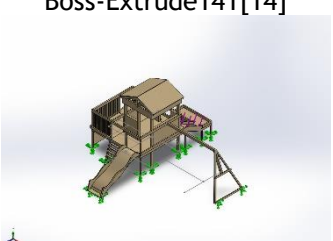




Model name: Simulation3
Current Configuration: Default

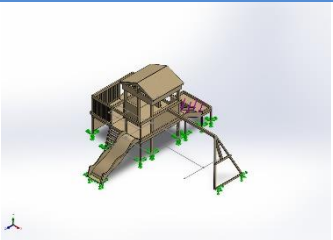
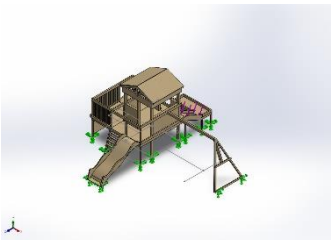
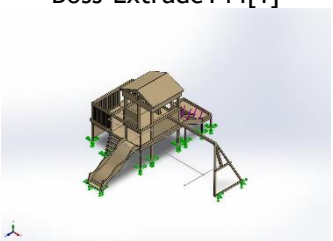

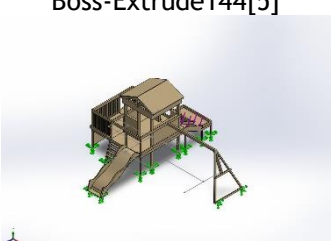

Solid Bodies

Document Name and Reference	Treated As	Volumetric Properties	Document Path/Date Modified
Boss-Extrude141[4] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[6] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[8] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT

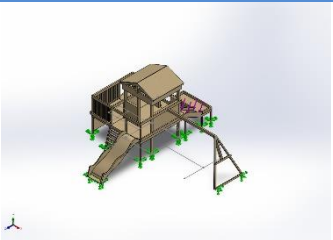


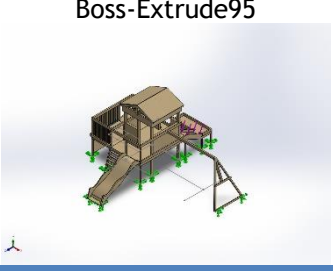


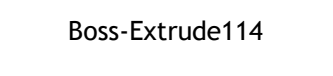


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Boss-Extrude1[3] 	Solid Body	Mass:10.6975 kg Volume:0.0314632 m ³ Density:340 kg/m ³ Weight:104.835 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRTOct 15 02:45:33 2025
Boss-Extrude141[12] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRTOct 15 02:45:33 2025
Boss-Extrude141[14] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRTOct 15 02:45:33 2025
Boss-Extrude36[2] 	Solid Body	Mass:1.18827 kg Volume:0.00349492 m ³ Density:340 kg/m ³ Weight:11.6451 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRTOct 15 02:45:33 2025
Boss-Extrude141[1] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-



		Weight:4.43639 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude117 	Solid Body	Mass:0.364826 kg Volume:0.00107302 m³ Density:340 kg/m³ Weight:3.5753 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[1] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[3] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[5] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[7] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[9]	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

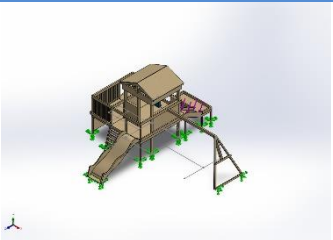
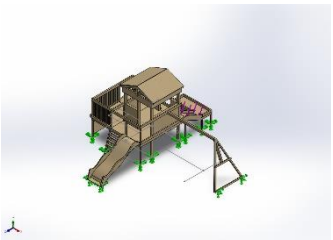



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Boss-Extrude82 	Solid Body	Mass:4.01155 kg Volume:0.0117987 m³ Density:340 kg/m³ Weight:39.3132 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Shell2 	Solid Body	Mass:64.1937 kg Volume:0.188688 m³ Density:340.211 kg/m³ Weight:629.098 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude95 	Solid Body	Mass:3.99696 kg Volume:0.0117558 m³ Density:340 kg/m³ Weight:39.1702 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude97 	Solid Body	Mass:3.00866 kg Volume:0.00884901 m³ Density:340 kg/m³ Weight:29.4849 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude130[2] 	Solid Body	Mass:2.15584 kg Volume:0.00634071 m³ Density:340 kg/m³ Weight:21.1272 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude114 	Solid Body	Mass:19.9468 kg Volume:0.0586671 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-



		Weight:195.479 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude68 	Solid Body	Mass:8.58027 kg Volume:0.0252361 m³ Density:340 kg/m³ Weight:84.0866 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude8[2] 	Solid Body	Mass:4.23442 kg Volume:0.0124542 m³ Density:340 kg/m³ Weight:41.4973 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude134 	Solid Body	Mass:0.0723072 kg Volume:0.000212668 m³ Density:340 kg/m³ Weight:0.70861 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude37 	Solid Body	Mass:2.39234 kg Volume:0.00703631 m³ Density:340 kg/m³ Weight:23.445 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude22[1] 	Solid Body	Mass:15.5336 kg Volume:0.0456871 m³ Density:340 kg/m³ Weight:152.23 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude22[2]	Solid Body	Mass:15.5336 kg Volume:0.0456871 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

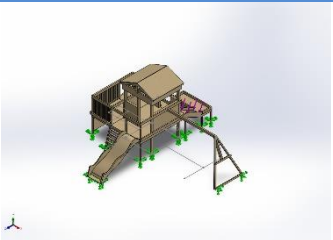
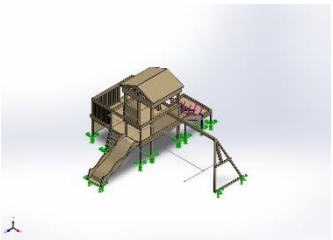


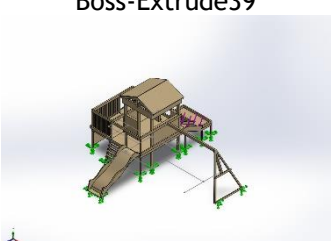
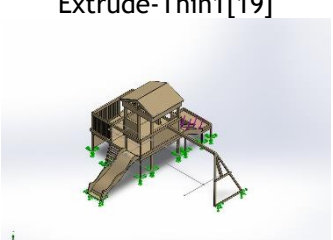


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Boss-Extrude126 	Solid Body	Mass:0.0657104 kg Volume:0.000193266 m³ Density:340 kg/m³ Weight:0.643962 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude34 	Solid Body	Mass:58.4795 kg Volume:0.171999 m³ Density:340 kg/m³ Weight:573.099 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude119[2] 	Solid Body	Mass:0.352824 kg Volume:0.00103772 m³ Density:340 kg/m³ Weight:3.45768 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude128[2] 	Solid Body	Mass:1.47857 kg Volume:0.00434872 m³ Density:340 kg/m³ Weight:14.4899 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude84 	Solid Body	Mass:23.3156 kg Volume:0.0685753 m³ Density:340 kg/m³ Weight:228.493 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude120[1]	Solid Body	Mass:0.4903 kg Volume:0.00144206 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

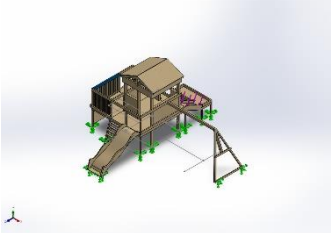
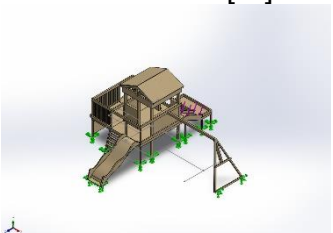

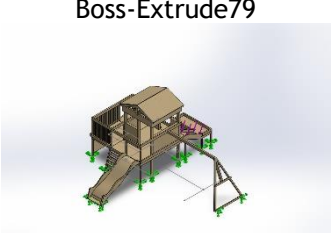

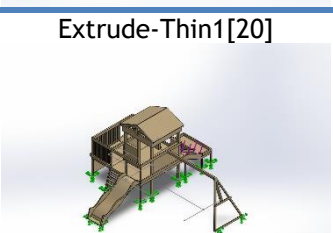


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Boss-Extrude72[3] 	Solid Body	Mass:0.87543 kg Volume:0.00257479 m ³ Density:340 kg/m ³ Weight:8.57921 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude58 	Solid Body	Mass:32.0924 kg Volume:0.0943895 m ³ Density:340 kg/m ³ Weight:314.506 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude120[4] 	Solid Body	Mass:0.4903 kg Volume:0.00144206 m ³ Density:340 kg/m ³ Weight:4.80494 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude72[5] 	Solid Body	Mass:1.96972 kg Volume:0.00579328 m ³ Density:340 kg/m ³ Weight:19.3032 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude122[2] 	Solid Body	Mass:0.792182 kg Volume:0.00232995 m ³ Density:340 kg/m ³ Weight:7.76338 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude72[7] 	Solid Body	Mass:1.31314 kg Volume:0.00386219 m ³ Density:340 kg/m ³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

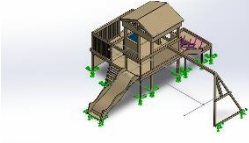
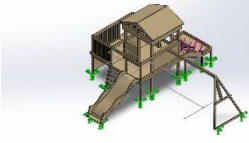
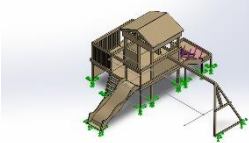
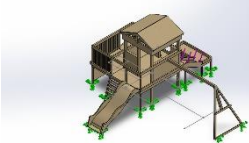


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Boss-Extrude76 	Solid Body	Mass: 0.891456 kg Volume: 0.00262193 m³ Density: 340 kg/m³ Weight: 8.73627 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Cut-Extrude1 	Solid Body	Mass: 2.32689 kg Volume: 0.00684378 m³ Density: 340 kg/m³ Weight: 22.8035 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude64 	Solid Body	Mass: 90.5782 kg Volume: 0.266407 m³ Density: 340 kg/m³ Weight: 887.667 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude39 	Solid Body	Mass: 38.5909 kg Volume: 0.113503 m³ Density: 340 kg/m³ Weight: 378.19 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[19] 	Solid Body	Mass: 0.0842959 kg Volume: 0.000247929 m³ Density: 340 kg/m³ Weight: 0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude70	Solid Body	Mass: 5.66114 kg Volume: 0.0166504 m³ Density: 340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-







		Weight:55.4792 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[18] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[17] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude79 	Solid Body	Mass:2.08436 kg Volume:0.00613046 m³ Density:340 kg/m³ Weight:20.4267 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[16] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[20] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude47	Solid Body	Mass:15.1388 kg Volume:0.0445259 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

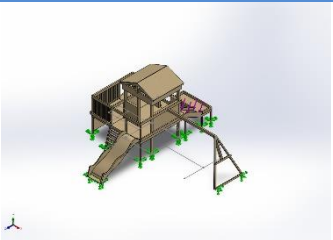

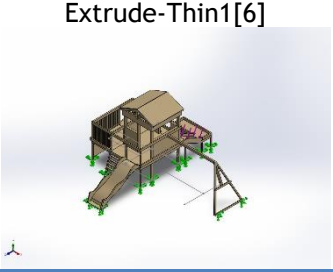
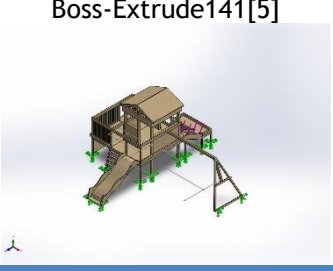
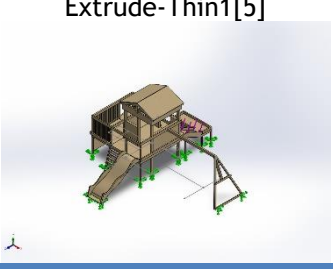
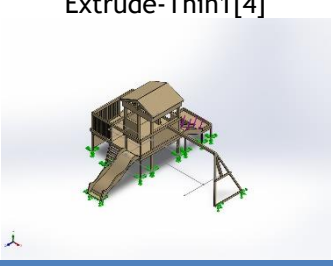
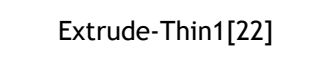


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Extrude-Thin1[15] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[14] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude81 	Solid Body	Mass:2.06403 kg Volume:0.00607069 m³ Density:340 kg/m³ Weight:20.2275 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[13] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[12] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude138	Solid Body	Mass:4.78629 kg Volume:0.0140773 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

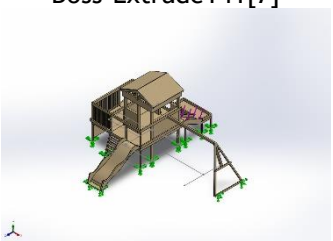


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Extrude-Thin1[11] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[10] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[9] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[10] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[3] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[8] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-



		Weight:0.8261 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[7] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[6] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[5] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[5] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[4] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[22] 	Solid Body	Mass:0.171119 kg Volume:0.00050329 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-


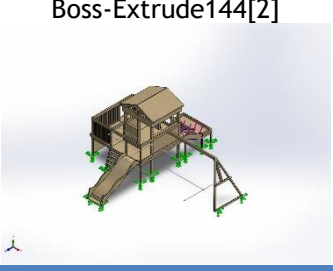



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Extrude-Thin1[3] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[7] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[2] 	Solid Body	Mass:0.0842959 kg Volume:0.000247929 m³ Density:340 kg/m³ Weight:0.8261 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[1] 	Solid Body	Mass:0.0866385 kg Volume:0.000254819 m³ Density:340 kg/m³ Weight:0.849057 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude54[2] 	Solid Body	Mass:0.897711 kg Volume:0.00264033 m³ Density:340 kg/m³ Weight:8.79757 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[9] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

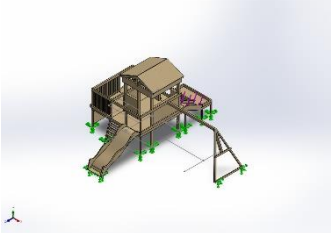
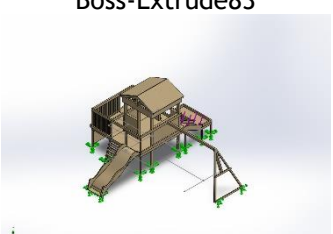


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Boss-Extrude54[1] 	Solid Body	Mass:2.5229 kg Volume:0.0074203 m³ Density:340 kg/m³ Weight:24.7245 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude1[2] 	Solid Body	Mass:10.6975 kg Volume:0.0314632 m³ Density:340 kg/m³ Weight:104.835 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[11] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude115[1] 	Solid Body	Mass:0.181689 kg Volume:0.000534381 m³ Density:340 kg/m³ Weight:1.78056 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[13] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[15] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-




		Weight:4.43639 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude85[3] 	Solid Body	Mass:0.802311 kg Volume:0.00235974 m ³ Density:340 kg/m ³ Weight:7.86264 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude143 	Solid Body	Mass:1.69753 kg Volume:0.00499274 m ³ Density:340 kg/m ³ Weight:16.6358 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[2] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[4] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude49 	Solid Body	Mass:27.4123 kg Volume:0.0806244 m ³ Density:340 kg/m ³ Weight:268.64 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[6]	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-



		Weight:4.43639 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude144[8] 	Solid Body	Mass:0.452693 kg Volume:0.00133145 m ³ Density:340 kg/m ³ Weight:4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude83 	Solid Body	Mass:3.40122 kg Volume:0.0100036 m ³ Density:340 kg/m ³ Weight:33.3319 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Fillet3 	Solid Body	Mass:0.631793 kg Volume:0.00185821 m ³ Density:340 kg/m ³ Weight:6.19157 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude36[1] 	Solid Body	Mass:5.37552 kg Volume:0.0158104 m ³ Density:340 kg/m ³ Weight:52.6801 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude103 	Solid Body	Mass:17.8048 kg Volume:0.0523669 m ³ Density:340 kg/m ³ Weight:174.487 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude1[4] 	Solid Body	Mass:10.6975 kg Volume:0.0314632 m ³ Density:340 kg/m ³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-



		Weight: 104.835 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude8[1] 	Solid Body	Mass: 4.23442 kg Volume: 0.0124542 m³ Density: 340 kg/m³ Weight: 41.4973 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude10[1] 	Solid Body	Mass: 4.01155 kg Volume: 0.0117987 m³ Density: 340 kg/m³ Weight: 39.3132 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude136 	Solid Body	Mass: 0.0575681 kg Volume: 0.000169318 m³ Density: 340 kg/m³ Weight: 0.564168 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude115[2] 	Solid Body	Mass: 0.181689 kg Volume: 0.000534381 m³ Density: 340 kg/m³ Weight: 1.78056 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude44 	Solid Body	Mass: 63.4156 kg Volume: 0.186517 m³ Density: 340 kg/m³ Weight: 621.473 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude118[1] 	Solid Body	Mass: 0.182164 kg Volume: 0.000535775 m³ Density: 340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

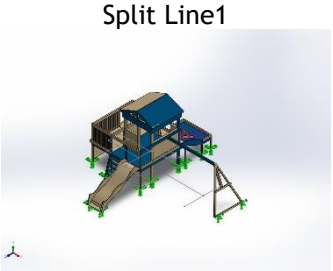



		Weight:1.7852 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude128[1] 	Solid Body	Mass:6.22112 kg Volume:0.0182974 m³ Density:340 kg/m³ Weight:60.9669 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude71 	Solid Body	Mass:1.20347 kg Volume:0.00353961 m³ Density:340 kg/m³ Weight:11.794 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude120[2] 	Solid Body	Mass:0.4903 kg Volume:0.00144206 m³ Density:340 kg/m³ Weight:4.80494 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude130[1] 	Solid Body	Mass:2.15584 kg Volume:0.00634071 m³ Density:340 kg/m³ Weight:21.1272 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude72[2] 	Solid Body	Mass:0.87543 kg Volume:0.00257479 m³ Density:340 kg/m³ Weight:8.57921 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude120[3] 	Solid Body	Mass:0.4903 kg Volume:0.00144206 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-

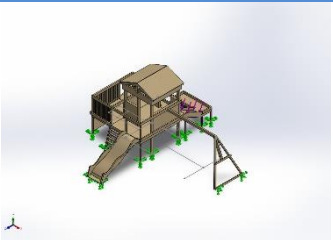



		Weight:4.80494 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude72[4] 	Solid Body	Mass:0.87543 kg Volume:0.00257479 m³ Density:340 kg/m³ Weight:8.57921 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude121 	Solid Body	Mass:2.77264 kg Volume:0.00815481 m³ Density:340 kg/m³ Weight:27.1718 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude72[6] 	Solid Body	Mass:1.96972 kg Volume:0.00579328 m³ Density:340 kg/m³ Weight:19.3032 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude75 	Solid Body	Mass:18.5763 kg Volume:0.0546362 m³ Density:340 kg/m³ Weight:182.048 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude123 	Solid Body	Mass:3.05556 kg Volume:0.00898694 m³ Density:340 kg/m³ Weight:29.9445 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude132	Solid Body	Mass:0.0577963 kg Volume:0.000169989 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-



		Weight:0.566404 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Split Line1 	Solid Body	Mass:397.241 kg Volume:1.16836 m³ Density:340 kg/m³ Weight:3,892.96 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude77 	Solid Body	Mass:3.00866 kg Volume:0.00884901 m³ Density:340 kg/m³ Weight:29.4849 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude38 	Solid Body	Mass:2.39234 kg Volume:0.00703631 m³ Density:340 kg/m³ Weight:23.445 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude67 	Solid Body	Mass:3.88553 kg Volume:0.011428 m³ Density:340 kg/m³ Weight:38.0782 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude46 	Solid Body	Mass:1.60462 kg Volume:0.00471947 m³ Density:340 kg/m³ Weight:15.7253 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude80	Solid Body	Mass:1.56005 kg Volume:0.00458838 m³ Density:340 kg/m³	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-



		Weight: 15.2885 N	49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude48 	Solid Body	Mass: 6.75003 kg Volume: 0.019853 m³ Density: 340 kg/m³ Weight: 66.1503 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude137 	Solid Body	Mass: 1.37828 kg Volume: 0.00405378 m³ Density: 340 kg/m³ Weight: 13.5072 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Boss-Extrude141[2] 	Solid Body	Mass: 0.452693 kg Volume: 0.00133145 m³ Density: 340 kg/m³ Weight: 4.43639 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025
Extrude-Thin1[21] 	Solid Body	Mass: 0.0835809 kg Volume: 0.000245826 m³ Density: 340 kg/m³ Weight: 0.819093 N	C:\Users\clschnell42\AppData\Local\Temp\4f580fc1-f9fa-4fa9-a9b2-49ccd9a20ebf_PlaysetDesignProject.zip.ebf\Simulation1.SLDPRT Oct 15 02:45:33 2025



Study Properties

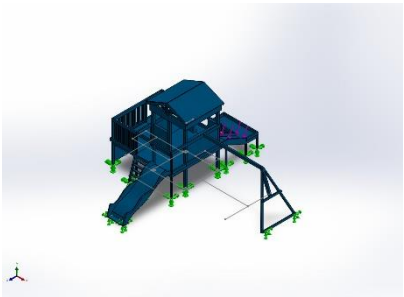
Study name	Static 3
Analysis type	Static
Mesh type	Solid Mesh
Thermal Effect:	On
Thermal option	Include temperature loads
Zero strain temperature	298 Kelvin
Include fluid pressure effects from SOLIDWORKS Flow Simulation	Off
Solver type	Automatic
Inplane Effect:	Off
Soft Spring:	Off
Inertial Relief:	Off
Incompatible bonding options	Automatic
Contact penalty stiffness scale factor	1
Large displacement	Off
Compute free body forces	On
Friction	Off
Use Adaptive Method:	Off
Result folder	SOLIDWORKS document (C:\Users\clschnell42\Downloads)

Units

Unit system:	SI (MKS)
Length/Displacement	mm
Temperature	Kelvin
Angular velocity	Rad/sec
Pressure/Stress	N/m ²



Material Properties

Model Reference	Properties	Components
	<p> Name: Pine Model type: Linear Elastic Isotropic Default failure criterion: Unknown Yield strength: 4.13685e+07 N/m² Elastic modulus: 1.24106e+10 N/m² Poisson's ratio: 0.3 Mass density: 340 kg/m³ </p>	<p> SolidBody 1(Boss-Extrude141[4])(Simulation2), SolidBody 2(Boss-Extrude141[6])(Simulation2), SolidBody 3(Boss-Extrude141[8])(Simulation2), SolidBody 4(Boss-Extrude141[10])(Simulation2) , SolidBody 5(Boss-Extrude1[3])(Simulation2), SolidBody 6(Boss-Extrude141[12])(Simulation2) , SolidBody 7(Boss-Extrude141[14])(Simulation2) , SolidBody 8(Boss-Extrude36[2])(Simulation2), SolidBody 9(Boss-Extrude141[11])(Simulation2), SolidBody 10(Boss-Extrude117)(Simulation2), SolidBody 11(Boss-Extrude144[1])(Simulation2), SolidBody 12(Boss-Extrude144[3])(Simulation2), SolidBody 13(Boss-Extrude144[5])(Simulation2), SolidBody 14(Boss-Extrude144[7])(Simulation2), SolidBody 15(Boss-Extrude144[9])(Simulation2), SolidBody 16(Boss-Extrude82)(Simulation2), SolidBody 17(Shell2)(Simulation2), SolidBody 18(Boss-Extrude95)(Simulation2), SolidBody 19(Boss-Extrude97)(Simulation2), SolidBody 20(Boss-Extrude130[2])(Simulation2), SolidBody 21(Boss-Extrude114)(Simulation2), SolidBody 22(Boss-Extrude68)(Simulation2), SolidBody 23(Boss-Extrude8[2])(Simulation2), </p>



		SolidBody 24(Boss-Extrude134)(Simulation2), SolidBody 25(Boss-Extrude37)(Simulation2), SolidBody 26(Boss-Extrude22[1])(Simulation2), SolidBody 27(Boss-Extrude22[2])(Simulation2), SolidBody 28(Boss-Extrude126)(Simulation2), SolidBody 29(Boss-Extrude34)(Simulation2), SolidBody 30(Boss-Extrude119[2])(Simulation2), SolidBody 31(Boss-Extrude128[2])(Simulation2), SolidBody 32(Boss-Extrude84)(Simulation2), SolidBody 33(Boss-Extrude120[1])(Simulation2), SolidBody 34(Boss-Extrude72[3])(Simulation2), SolidBody 35(Boss-Extrude58)(Simulation2), SolidBody 36(Boss-Extrude120[4])(Simulation2), SolidBody 37(Boss-Extrude72[5])(Simulation2), SolidBody 38(Boss-Extrude122[2])(Simulation2), SolidBody 39(Boss-Extrude72[7])(Simulation2), SolidBody 40(Boss-Extrude76)(Simulation2), SolidBody 41(Cut-Extrude1)(Simulation2), SolidBody 42(Boss-Extrude64)(Simulation2), SolidBody 43(Boss-Extrude39)(Simulation2), SolidBody 44(Extrude-Thin1[19])(Simulation2), SolidBody 45(Boss-Extrude70)(Simulation2), SolidBody 46(Extrude-Thin1[18])(Simulation2), SolidBody 47(Extrude-Thin1[17])(Simulation2), SolidBody 48(Boss-Extrude79)(Simulation2), SolidBody 49(Extrude-Thin1[16])(Simulation2), SolidBody 50(Extrude-Thin1[20])(Simulation2),
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		SolidBody 51(Boss-Extrude47)(Simulation2), SolidBody 52(Extrude-Thin1[15])(Simulation2), SolidBody 53(Extrude-Thin1[14])(Simulation2), SolidBody 54(Boss-Extrude81)(Simulation2), SolidBody 55(Extrude-Thin1[13])(Simulation2), SolidBody 56(Extrude-Thin1[12])(Simulation2), SolidBody 57(Boss-Extrude138)(Simulation2), SolidBody 58(Extrude-Thin1[11])(Simulation2), SolidBody 59(Extrude-Thin1[10])(Simulation2), SolidBody 60(Extrude-Thin1[9])(Simulation2), SolidBody 61(Boss-Extrude144[10])(Simulation2) , SolidBody 62(Boss-Extrude141[3])(Simulation2), SolidBody 63(Extrude-Thin1[8])(Simulation2), SolidBody 64(Extrude-Thin1[7])(Simulation2), SolidBody 65(Extrude-Thin1[6])(Simulation2), SolidBody 66(Boss-Extrude141[5])(Simulation2), SolidBody 67(Extrude-Thin1[5])(Simulation2), SolidBody 68(Extrude-Thin1[4])(Simulation2), SolidBody 69(Extrude-Thin1[22])(Simulation2), SolidBody 70(Extrude-Thin1[3])(Simulation2), SolidBody 71(Boss-Extrude141[7])(Simulation2), SolidBody 72(Extrude-Thin1[2])(Simulation2), SolidBody 73(Extrude-Thin1[1])(Simulation2), SolidBody 74(Boss-Extrude54[2])(Simulation2), SolidBody 75(Boss-Extrude141[9])(Simulation2), SolidBody 76(Boss-Extrude54[1])(Simulation2), SolidBody 77(Boss-Extrude1[2])(Simulation2),
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		SolidBody 78(Boss-Extrude141[11])(Simulation2) , SolidBody 79(Boss-Extrude115[1])(Simulation2), SolidBody 80(Boss-Extrude141[13])(Simulation2) , SolidBody 81(Boss-Extrude141[15])(Simulation2) , SolidBody 82(Boss-Extrude85[3])(Simulation2), SolidBody 83(Boss-Extrude143)(Simulation2), SolidBody 84(Boss-Extrude144[2])(Simulation2), SolidBody 85(Boss-Extrude144[4])(Simulation2), SolidBody 86(Boss-Extrude49)(Simulation2), SolidBody 87(Boss-Extrude144[6])(Simulation2), SolidBody 88(Boss-Extrude144[8])(Simulation2), SolidBody 89(Boss-Extrude83)(Simulation2), SolidBody 90(Fillet3)(Simulation2), SolidBody 91(Boss-Extrude36[1])(Simulation2), SolidBody 92(Boss-Extrude103)(Simulation2), SolidBody 93(Boss-Extrude1[4])(Simulation2), SolidBody 94(Boss-Extrude8[1])(Simulation2), SolidBody 95(Boss-Extrude10[1])(Simulation2), SolidBody 96(Boss-Extrude136)(Simulation2), SolidBody 97(Boss-Extrude115[2])(Simulation2), SolidBody 98(Boss-Extrude44)(Simulation2), SolidBody 99(Boss-Extrude118[1])(Simulation2), SolidBody 100(Boss-Extrude128[1])(Simulation2), SolidBody 101(Boss-Extrude71)(Simulation2), SolidBody 102(Boss-Extrude120[2])(Simulation2), SolidBody 103(Boss-Extrude130[1])(Simulation2),
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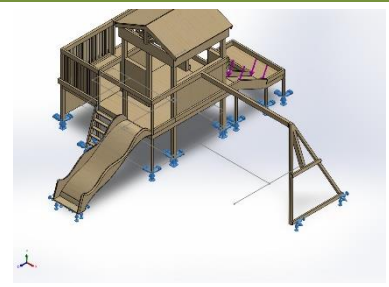


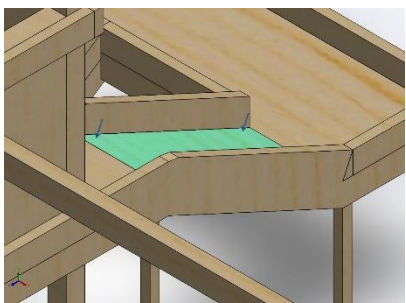
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Curve Data:N/A



Loads and Fixtures

Fixture name	Fixture Image	Fixture Details		
Fixed-1		Entities: 22 face(s) Type: Fixed Geometry		
Resultant Forces				
Components	X	Y	Z	Resultant
Reaction force(N)	-0.0121011	605.737	-279.796	667.236
Reaction Moment(N.m)	0	0	0	0

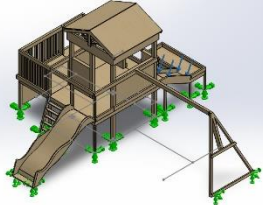
Load name	Load Image	Load Details
Force-1		Entities: 1 face(s) Type: Apply normal force Value: 150 lbf

Connector Definitions

No Data



Interaction Information

Interaction	Interaction Image	Interaction Properties
Global Interaction		Type: Bonded Components: 1 component(s) Options: Independent mesh



Mesh information

Mesh type	Solid Mesh
Mesher Used:	Blended curvature-based mesh
Jacobian points for High quality mesh	16 Points
Maximum element size	16.6147 in
Minimum element size	0.990156 in
Mesh Quality	High

Mesh information - Details

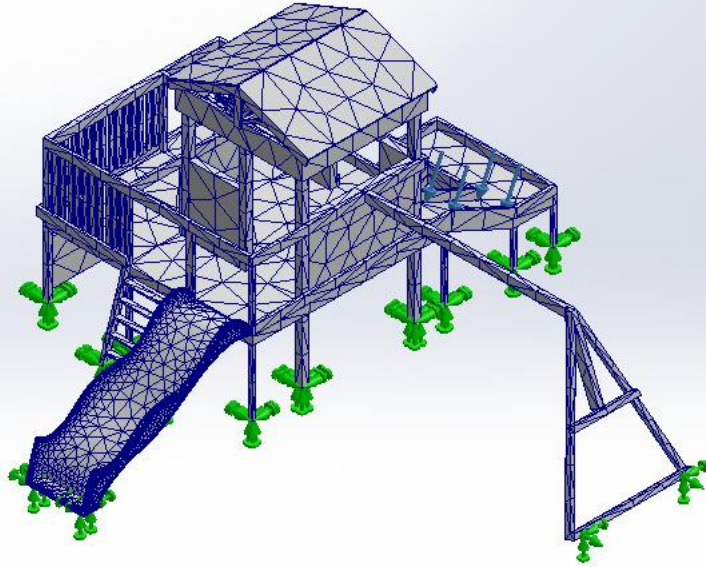
Total Nodes	43242
Total Elements	20764
Maximum Aspect Ratio	1,354
% of elements with Aspect Ratio < 3	64.3
Percentage of elements with Aspect Ratio > 10	14.8
Percentage of distorted elements	0
Time to complete mesh(hh:mm:ss):	00:00:13
Computer name:	CLEM313B-27

Mesh Quality Plots

Name	Type	Min	Max
Quality1	Mesh	-	-



Model name: Simulation3
Study name: Static 3(-Default-)
Plot type: Mesh Quality1



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Simulation3-Static 3-Quality-Quality1

Sensor Details

No Data



Resultant Forces

Reaction forces

Selection set	Units	Sum X	Sum Y	Sum Z	Resultant
Entire Model	N	-0.0121011	605.737	-279.796	667.236

Reaction Moments

Selection set	Units	Sum X	Sum Y	Sum Z	Resultant
Entire Model	N.m	0	0	0	0

Free body forces

Selection set	Units	Sum X	Sum Y	Sum Z	Resultant
Entire Model	N	-0.0799146	0.104664	0.0189654	0.133044

Free body moments

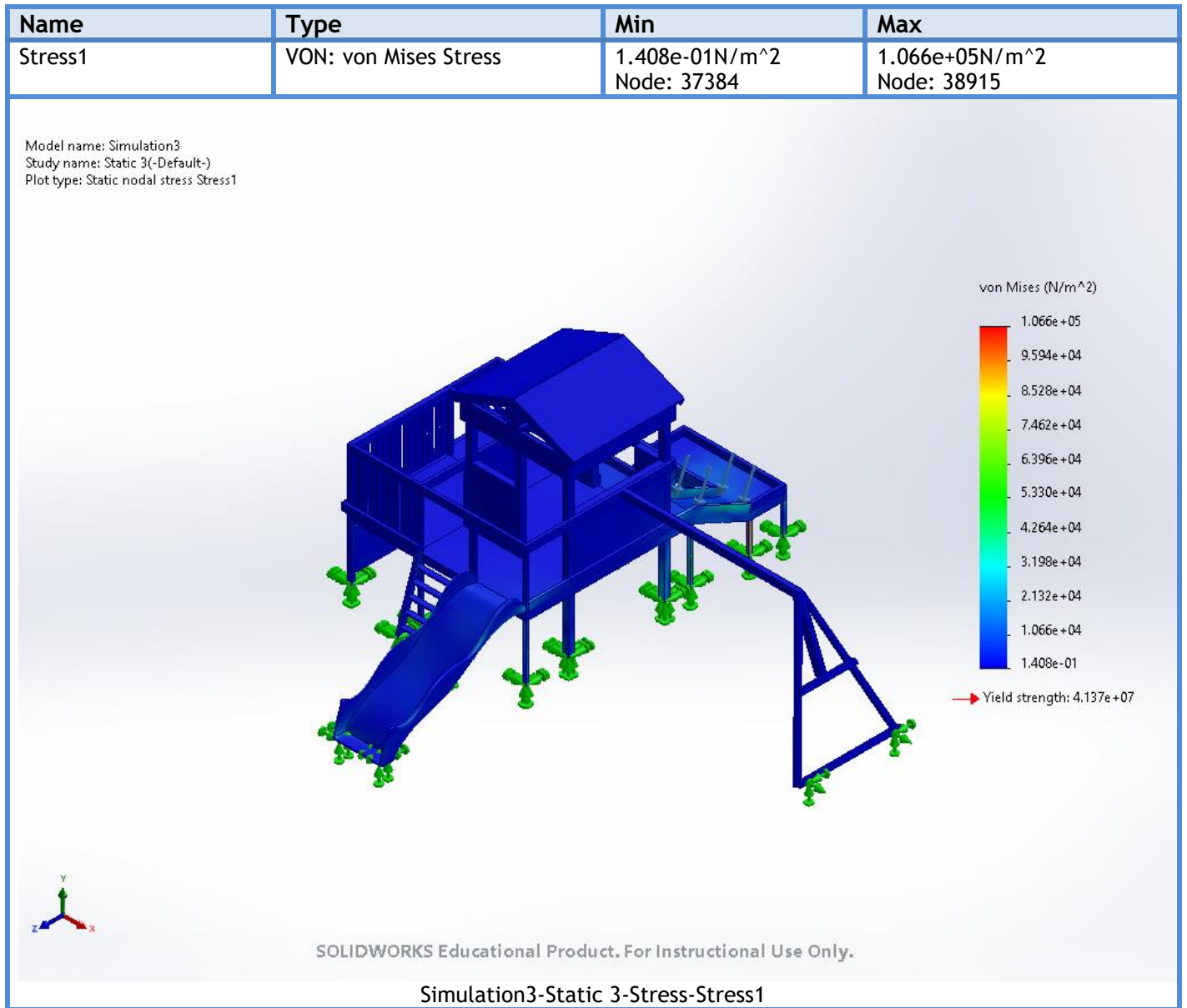
Selection set	Units	Sum X	Sum Y	Sum Z	Resultant
Entire Model	N.m	0	0	0	1e-33

Beams

No Data



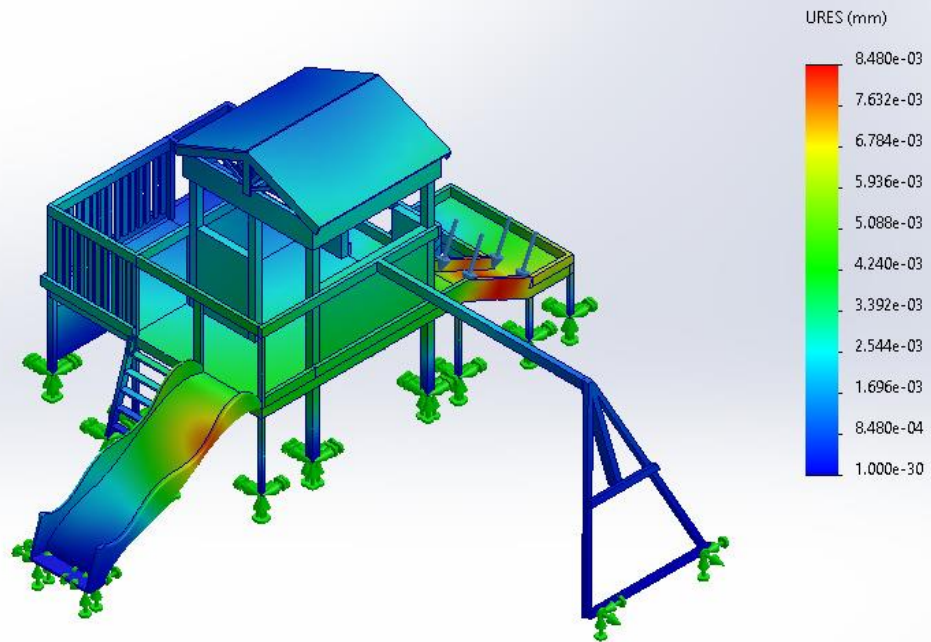
Study Results



Name	Type	Min	Max
Displacement1	URES: Resultant Displacement	0.000e+00mm Node: 239	8.480e-03mm Node: 40696



Model name: Simulation3
 Study name: Static 3(-Default-)
 Plot type: Static displacement Displacement1



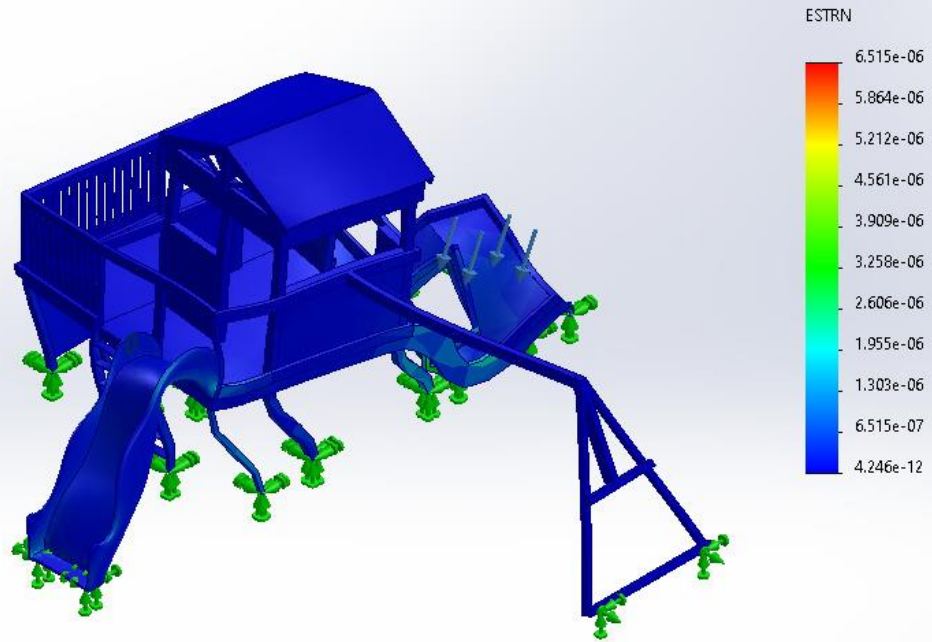
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Simulation3-Static 3-Displacement-Displacement1

Name	Type	Min	Max
Strain1	ESTRN: Equivalent Strain	4.246e-12 Element: 18396	6.515e-06 Element: 18985



Model name: Simulation3
Study name: Static 3(-Default-)
Plot type: Static strain Strain1
Deformation scale: 119,159



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Simulation3-Static 3-Strain-Strain1

Conclusion

