

USF 2000 & USF Junior
2025 Technical Data



Road Course

Catalog Number	Size	Sidewall Code	Diameter (in)	Circ. (in)	Loaded Radius (in)	Load (lbs)	Tread Width (in)	Section Width (in)	Measured Rim	Pressure (psi)	Weight (lbs)	TWI (in)
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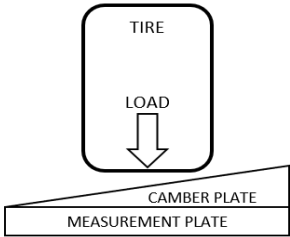
Slick

43400	200/540R13	USF	21.31"	66.94"	10.37"	300	8.18"	9.28"	13" x 8J	20	13.3	0.125"
43450	250/575R13	USF	22.57"	70.90"	10.95"	400	9.80"	11.46"	13" x 10J	20	16.2	0.125"

Wet

44321	200/540R13	USFW3	21.25"	66.76"	10.34"	300	7.68"	9.01"	13" x 8J	20	14.3	0.219"
44326	250/575R13	USFW3	22.56"	70.86"	10.91"	400	9.80"	11.41"	13" x 10J	20	17.9	0.219"

Tire Load and Deflection Rig Schematic



Vertical Deflection Data

43400 200/540R13 USF		Static Tangent Spring Rate (lbf/in) Deflection (in)					
Pressure (psi)	Load (lbs)	Camber (deg)					
		0	1	2	3	4	5
24	1000	1355 0.80	1320 0.82	1340 0.82	1250 0.88	1275 0.88	1235 0.93
	800	1265 0.65	1245 0.66	1290 0.67	1220 0.72	1255 0.73	1225 0.77
	600	1225 0.49	1215 0.50	1265 0.51	1205 0.55	1240 0.56	1200 0.60
22	1000	1295 0.84	1265 0.86	1270 0.87	1180 0.94	1215 0.93	1160 0.99
	800	1215 0.68	1190 0.69	1215 0.71	1145 0.76	1190 0.76	1145 0.81
	600	1165 0.51	1150 0.52	1190 0.54	1130 0.59	1175 0.59	1130 0.64
20	1000	1205 0.92	1190 0.93	1205 0.94	1125 1.00	1140 1.00	1105 1.05
	800	1130 0.75	1120 0.75	1140 0.76	1075 0.82	1105 0.83	1075 0.87
	600	1075 0.56	1070 0.57	1105 0.58	1055 0.63	1085 0.64	1060 0.68
18	1000	1120 1.00	1120 1.00	1135 1.00	1070 1.06	1065 1.08	1050 1.12
	800	1050 0.81	1050 0.81	1065 0.82	1010 0.87	1020 0.89	1005 0.92
	600	985 0.62	995 0.62	1025 0.63	985 0.67	1000 0.69	990 0.72
16	1000	1065 1.07	1060 1.08	1070 1.10	1030 1.14	1025 1.16	1010 1.19
	800	990 0.88	990 0.88	990 0.91	960 0.93	960 0.96	950 0.99
	600	925 0.67	930 0.67	940 0.70	925 0.72	930 0.75	925 0.77

43450 250/575R13 USF		Static Tangent Spring Rate (lbf/in) Deflection (in)					
Pressure (psi)	Load (lbs)	Camber (deg)					
		0	1	2	3	4	5
24	1000	1500 0.72	1405 0.75	1390 0.78	1385 0.82	1380 0.86	1380 0.91
	800	1410 0.58	1355 0.60	1380 0.64	1395 0.67	1375 0.71	1355 0.76
	600	1390 0.44	1365 0.46	1395 0.49	1375 0.53	1325 0.57	1270 0.60
22	1000	1430 0.76	1335 0.80	1295 0.84	1285 0.87	1280 0.91	1275 0.97
	800	1330 0.62	1260 0.65	1280 0.68	1290 0.72	1285 0.75	1260 0.81
	600	1290 0.47	1255 0.49	1290 0.52	1285 0.56	1250 0.60	1195 0.65
20	1000	1340 0.83	1255 0.87	1215 0.91	1210 0.94	1185 0.98	1190 1.03
	800	1245 0.67	1180 0.70	1185 0.74	1200 0.77	1180 0.81	1180 0.86
	600	1190 0.51	1155 0.53	1185 0.57	1195 0.60	1160 0.64	1130 0.68
18	1000	1250 0.89	1175 0.94	1130 0.98	1130 1.00	1085 1.06	1100 1.08
	800	1160 0.72	1100 0.76	1085 0.80	1110 0.82	1080 0.87	1095 0.90
	600	1085 0.55	1050 0.57	1080 0.62	1110 0.64	1070 0.68	1060 0.72
16	1000	1150 0.99	1095 1.03	1060 1.08	1055 1.10	1015 1.15	1020 1.18
	800	1070 0.80	1020 0.84	1005 0.88	1015 0.90	995 0.95	1000 0.98
	600	995 0.61	965 0.63	985 0.68	1010 0.70	990 0.74	980 0.78

44321 200/540R13 USFW3		Static Tangent Spring Rate (lbf/in) Deflection (in)				
Camber (deg)	Load (lbs)	Pressure (psi)				
		24	22	20	18	16
0	1000	1455 0.79	1395 0.84	1335 0.88	1250 0.95	1165 1.02
	800	1330 0.65	1275 0.68	1220 0.72	1145 0.78	1070 0.84
	600	1255 0.49	1190 0.52	1125 0.55	1055 0.60	985 0.64

44326 250/575R13 USFW3		Static Tangent Spring Rate (lbf/in) Deflection (in)				
Camber (deg)	Load (lbs)	Pressure (psi)				
		24	22	20	18	16
0	1000	1375 0.77	1305 0.83	1230 0.89	1165 0.96	1105 1.02
	800	1310 0.62	1230 0.67	1150 0.72	1085 0.78	1025 0.83
	600	1305 0.46	1205 0.50	1105 0.54	1030 0.59	955 0.63

Data is subjected to change. Last update on February 20th, 2025. Individual load and deflection plots available upon request.