

USF 2000

2025 Technical Data



Oval

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)
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"

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
30	1000	1550 0.67	1535 0.68	1520 0.71	1520 0.73	1480 0.76	1475 0.80
	800	1470 0.54	1480 0.55	1490 0.58	1505 0.59	1470 0.62	1455 0.66
	600	1485 0.41	1490 0.41	1480 0.44	1480 0.46	1445 0.49	1395 0.52
28	1000	1480 0.72	1455 0.73	1465 0.74	1415 0.78	1410 0.80	1390 0.83
	800	1395 0.58	1390 0.59	1425 0.60	1400 0.63	1400 0.66	1380 0.69
	600	1385 0.43	1380 0.44	1410 0.46	1380 0.49	1375 0.51	1330 0.54
26	1000	1410 0.76	1375 0.78	1410 0.78	1315 0.83	1340 0.84	1310 0.87
	800	1320 0.61	1300 0.63	1360 0.63	1295 0.67	1325 0.69	1300 0.72
	600	1290 0.46	1275 0.48	1345 0.48	1280 0.52	1310 0.53	1270 0.56
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
14	1000	1010 1.15	1005 1.16	1005 1.20	995 1.21	980 1.25	975 1.27
	800	935 0.94	930 0.95	920 0.99	915 1.00	900 1.03	895 1.05
	600	870 0.72	865 0.73	855 0.77	865 0.77	860 0.80	860 0.82

43450 250/575R13 USF			Static Tangent Spring Rate (lbf/in) Deflection (in)				
Pressure (psi)	Load (lbs)	Camber (deg)					
		0	1	2	3	4	5
30	1000	1680 0.62	1625 0.64	1625 0.68	1640 0.71	1640 0.75	1625 0.78
	800	1630 0.50	1615 0.52	1640 0.56	1630 0.59	1605 0.63	1560 0.66
	600	1650 0.38	1655 0.40	1645 0.43	1585 0.46	1515 0.50	1430 0.52
28	1000	1625 0.65	1555 0.67	1555 0.71	1565 0.74	1555 0.78	1550 0.81
	800	1560 0.52	1530 0.54	1560 0.58	1565 0.61	1535 0.65	1500 0.68
	600	1570 0.39	1570 0.41	1570 0.45	1525 0.48	1455 0.52	1385 0.54
26	1000	1565 0.68	1480 0.70	1480 0.73	1485 0.76	1475 0.81	1480 0.84
	800	1485 0.54	1445 0.56	1485 0.60	1495 0.63	1465 0.68	1445 0.70
	600	1490 0.41	1480 0.42	1500 0.46	1465 0.49	1400 0.54	1340 0.56
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
14	1000	1045 1.09	1015 1.12	990 1.17	985 1.19	950 1.24	940 1.28
	800	975 0.89	945 0.91	925 0.96	925 0.98	910 1.02	905 1.07
	600	900 0.67	885 0.70	890 0.74	910 0.76	905 0.80	895 0.84

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

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