USF Pro 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)
Slick												
43411	210/550R13	PROAO	21.87"	68.70"	10.68"	300	8.68"	10.37"	13" x 10J	20	14.4	0.125"
43476	275/570R13	PROAO	22.43"	70.46"	10.89"	400	10.80"	12.85"	13" x 12J	20	17.1	0.125"

Vertical Deflection Data

43411 210/550R13 PROAO		Static Tangent Spring Rate (lbf/in) | Deflection (in)					
Pressure (psi)	Load (lbs)	Camber (deg)					
		0	1	2	3	4	5
30	1000	1890 | 0.58	1845 | 0.59	1880 | 0.60	1895 | 0.62	1945 | 0.64	1820 | 0.67
	800	1895 | 0.47	1850 | 0.48	1870 | 0.50	1870 | 0.51	1870 | 0.53	1740 | 0.56
	600	1915 | 0.37	1875 | 0.37	1835 | 0.39	1800 | 0.40	1770 | 0.42	1645 | 0.44
28	1000	1805 | 0.60	1760 | 0.61	1790 | 0.63	1800 | 0.64	1865 | 0.66	1755 | 0.69
	800	1790 | 0.49	1755 | 0.50	1780 | 0.51	1775 | 0.53	1790 | 0.55	1685 | 0.58
	600	1820 | 0.38	1785 | 0.39	1755 | 0.40	1720 | 0.42	1695 | 0.44	1590 | 0.45
26	1000	1720 | 0.63	1680 | 0.64	1700 | 0.65	1705 | 0.67	1780 | 0.69	1690 | 0.71
	800	1690 | 0.51	1655 | 0.52	1695 | 0.53	1685 | 0.55	1715 | 0.57	1625 | 0.59
	600	1725 | 0.39	1690 | 0.40	1680 | 0.41	1640 | 0.43	1620 | 0.45	1535 | 0.47
24	1000	1645 | 0.67	1610 | 0.68	1610 | 0.69	1605 | 0.71	1680 | 0.73	1595 | 0.75
	800	1585 | 0.54	1560 | 0.55	1590 | 0.56	1590 | 0.58	1620 | 0.60	1540 | 0.63
	600	1605 | 0.41	1580 | 0.42	1575 | 0.44	1550 | 0.45	1535 | 0.48	1455 | 0.49
22	1000	1570 | 0.70	1540 | 0.71	1515 | 0.73	1510 | 0.75	1585 | 0.77	1495 | 0.80
	800	1480 | 0.57	1465 | 0.58	1485 | 0.60	1495 | 0.61	1525 | 0.64	1455 | 0.66
	600	1485 | 0.44	1470 | 0.44	1475 | 0.46	1455 | 0.48	1445 | 0.50	1380 | 0.52
20	1000	1500 | 0.75	1470 | 0.76	1440 | 0.78	1415 | 0.80	1485 | 0.81	1395 | 0.86
	800	1405 | 0.62	1385 | 0.62	1390 | 0.64	1390 | 0.66	1430 | 0.67	1355 | 0.71
	600	1375 | 0.47	1360 | 0.47	1370 | 0.50	1360 | 0.51	1365 | 0.53	1290 | 0.56
18	1000	1430 | 0.80	1400 | 0.81	1360 | 0.84	1325 | 0.86	1390 | 0.86	1300 | 0.92
	800	1325 | 0.66	1305 | 0.66	1290 | 0.69	1285 | 0.70	1340 | 0.71	1260 | 0.76
	600	1265 | 0.50	1250 | 0.51	1265 | 0.53	1260 | 0.55	1285 | 0.56	1205 | 0.60
16	1000	1340 | 0.87	1320 | 0.88	1280 | 0.92	1260 | 0.93	1290 | 0.94	1230 | 0.98
	800	1245 | 0.72	1230 | 0.72	1195 | 0.76	1195 | 0.76	1225 | 0.78	1180 | 0.81
	600	1165 | 0.55	1155 | 0.55	1150 | 0.58	1160 | 0.59	1175 | 0.61	1130 | 0.64
14	1000	1250 | 0.95	1245 | 0.95	1195 | 1.00	1195 | 1.00	1190 | 1.03	1160 | 1.04
	800	1160 | 0.78	1155 | 0.78	1100 | 0.83	1105 | 0.82	1115 | 0.85	1100 | 0.87
	600	1065 | 0.60	1060 | 0.60	1035 | 0.64	1065 | 0.64	1065 | 0.67	1060 | 0.68

43476 275/570R13 PROAO		Static Tangent Spring Rate (lbf/in) | Deflection (in)					
Pressure (psi)	Load (lbs)	Camber (deg)					
		0	1	2	3	4	5
30	1000	1870 | 0.56	1905 | 0.57	1900 | 0.61	1895 | 0.64	1815 | 0.68	1785 | 0.72
	800	1885 | 0.45	1915 | 0.46	1870 | 0.50	1825 | 0.53	1725 | 0.57	1685 | 0.60
	600	1950 | 0.35	1930 | 0.36	1790 | 0.40	1715 | 0.42	1620 | 0.45	1565 | 0.48
28	1000	1780 | 0.59	1785 | 0.61	1785 | 0.65	1795 | 0.67	1730 | 0.72	1710 | 0.75
	800	1765 | 0.48	1780 | 0.49	1760 | 0.53	1740 | 0.56	1655 | 0.60	1610 | 0.63
	600	1825 | 0.37	1795 | 0.38	1695 | 0.42	1645 | 0.44	1545 | 0.47	1495 | 0.50
26	1000	1690 | 0.63	1665 | 0.65	1670 | 0.68	1695 | 0.70	1650 | 0.75	1635 | 0.78
	800	1650 | 0.51	1640 | 0.52	1655 | 0.56	1660 | 0.59	1585 | 0.63	1540 | 0.66
	600	1700 | 0.39	1655 | 0.40	1600 | 0.44	1570 | 0.46	1470 | 0.50	1430 | 0.52
24	1000	1600 | 0.67	1575 | 0.69	1565 | 0.72	1575 | 0.75	1570 | 0.79	1565 | 0.82
	800	1535 | 0.55	1530 | 0.56	1555 | 0.59	1555 | 0.62	1520 | 0.66	1480 | 0.69
	600	1555 | 0.41	1535 | 0.43	1515 | 0.46	1485 | 0.49	1415 | 0.52	1370 | 0.55
22	1000	1510 | 0.72	1485 | 0.74	1460 | 0.76	1460 | 0.80	1490 | 0.82	1495 | 0.86
	800	1420 | 0.58	1420 | 0.60	1460 | 0.63	1450 | 0.66	1455 | 0.69	1415 | 0.72
	600	1405 | 0.44	1410 | 0.46	1430 | 0.49	1400 | 0.52	1355 | 0.55	1310 | 0.57
20	1000	1435 | 0.78	1400 | 0.80	1360 | 0.82	1350 | 0.86	1360 | 0.90	1370 | 0.93
	800	1335 | 0.63	1330 | 0.65	1345 | 0.67	1345 | 0.71	1335 | 0.75	1310 | 0.78
	600	1295 | 0.48	1295 | 0.50	1330 | 0.52	1305 | 0.56	1260 | 0.59	1220 | 0.62
18	1000	1355 | 0.83	1315 | 0.86	1265 | 0.89	1245 | 0.92	1235 | 0.97	1240 | 1.00
	800	1255 | 0.68	1240 | 0.70	1235 | 0.72	1240 | 0.76	1215 | 0.80	1205 | 0.84
	600	1180 | 0.52	1185 | 0.53	1230 | 0.56	1215 | 0.60	1170 | 0.64	1135 | 0.67
16	1000	1270 | 0.90	1250 | 0.92	1190 | 0.97	1175 | 1.00	1160 | 1.04	1155 | 1.09
	800	1185 | 0.74	1175 | 0.75	1145 | 0.80	1140 | 0.83	1140 | 0.86	1115 | 0.91
	600	1100 | 0.56	1110 | 0.58	1125 | 0.62	1120 | 0.65	1100 | 0.68	1060 | 0.73
14	1000	1190 | 0.97	1185 | 0.98	1115 | 1.05	1100 | 1.09	1090 | 1.10	1070 | 1.17
	800	1115 | 0.80	1110 | 0.81	1050 | 0.87	1040 | 0.90	1060 | 0.92	1030 | 0.98
	600	1020 | 0.61	1035 | 0.62	1020 | 0.67	1025 | 0.70	1035 | 0.72	985 | 0.78

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

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