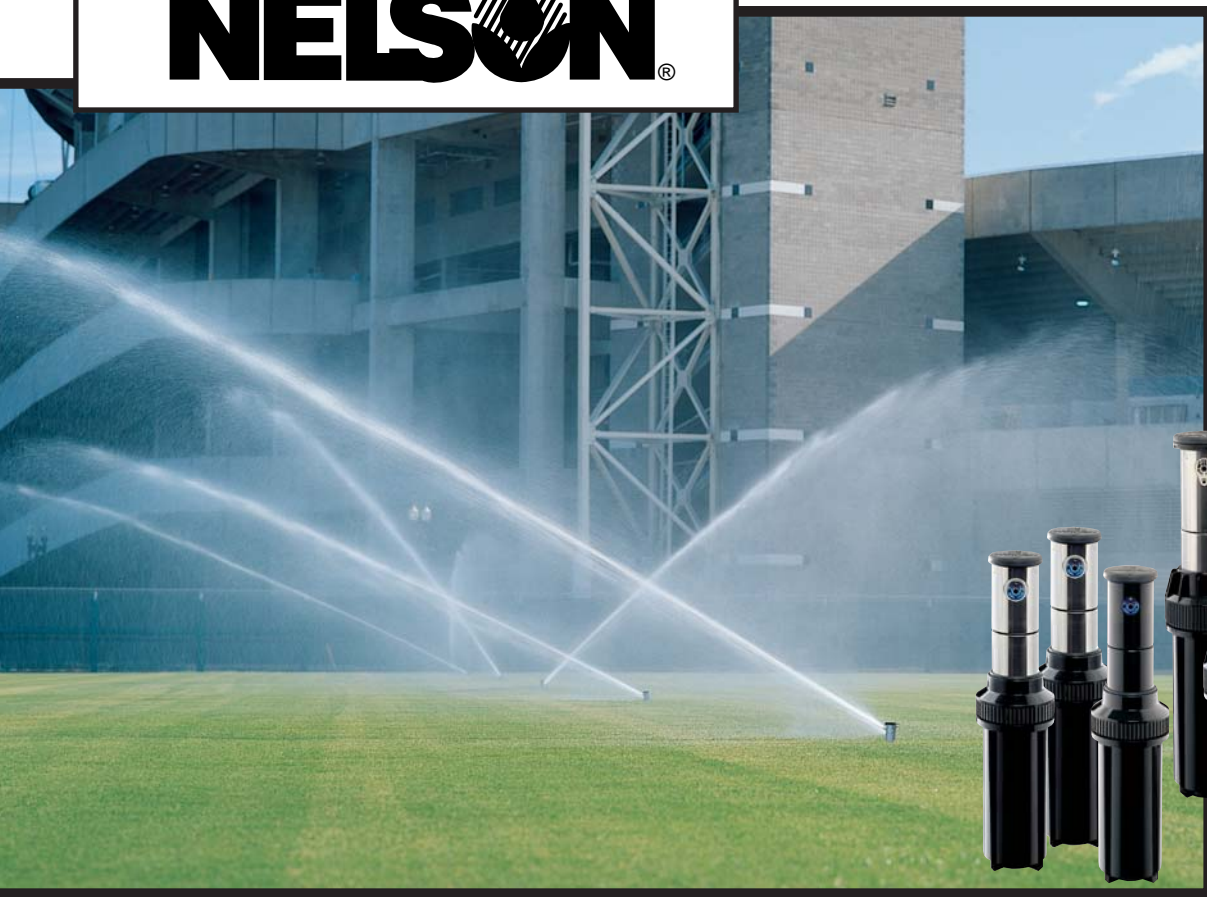


NELSON®



GEARDRIVE Sprinklers

Nelson Pro 6500, Pro 7000 and Pro 7500 Series gear drives deliver high quality, high performance coverage to medium and large turf areas. These heavy duty, long throw sprinklers provide dependable watering to all commercial, municipal and sport field applications. Each model has an Anti-drain valve and heavy duty spring which help prevent erosion and puddling.

All Nelson gear drives are built with a wide range of convenient features. Our exclusive Click-Set® Disk adjusts the same on all gear drive models, allowing quick, easy pattern adjustment. Each series offers models with stainless steel sleeves for added durability in sandy soils.

6500, 6503*, 6505*

- *Operating range:* 40-75 psi (3.1-5.2 bars)
- *Pop up height:* 4"
- *Body height:* 8"
- *Unadjusted Radius:* 44' - 60'
- *Discharge:* 2.3 - 12.6 GPM
- *Maximum pressure:* 80 PSI
- * Stainless steel sleeve
- 20 per box

7000, 7005*

- *Operating range:* 40-90 psi (3.1-6.2 bars)
- *Pop up height:* 4½"
- *Body height:* 9½"
- *Unadjusted Radius:* 41' - 63'
- *Discharge:* 6.7 - 18.4 GPM
- *Maximum pressure:* 100 PSI
- * Stainless steel sleeve
- 10 per box

7500, 7503

- *Operating range:* 40-90 psi (3.1-6.2 bars)
- *Pop up height:* 4½"
- *Body height:* 9½"
- *Unadjusted Radius:* 53' - 74'
- *Discharge:* 9.4 - 27.5 GPM
- *Maximum pressure:* 100 PSI
- Stainless steel sleeve
- Heavy-duty retraction spring
- 10 per box

44'-74'

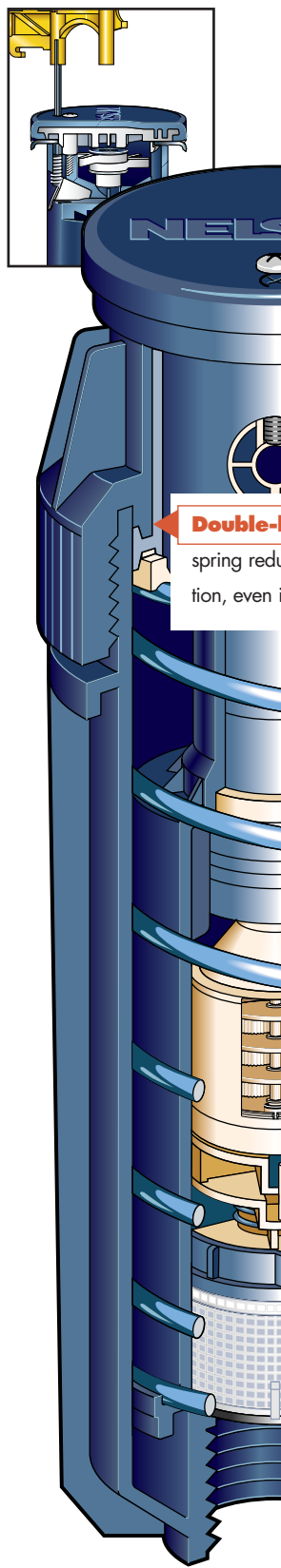
GEARDRIVE Sprinklers

Features

Acu-Cover® Nozzle Performance

Pressure		Max Radius	Min Radius	Discharge	Precipitation Rate ¹	Nozzle # & Color	Pressure		Max Radius	Min Radius	Discharge	Precipitation Rate ¹		
PSI	FT	FT	GPM	IN/HR	IN/HR▲	▼	BAR	KPa	M	M	L/min	MM/HR		
PRO6500SERIES - 25° Trajectory														
45	44	33	2.8	0.23	0.29	51	3.1	310	13.4	10.1	10.6	0.64	5.8	7.2
60	46	35	3.3	0.27	0.34		4.1	414	14.0	10.5	12.5	0.75	6.9	8.6
75	46	35	3.8	0.31	0.39		5.2	517	14.0	10.5	14.4	0.86	7.9	9.8
45	48	36	5.2	0.39	0.49	52	3.1	310	14.6	11.0	19.7	1.18	10.0	12.4
60	52	39	6.1	0.41	0.52		4.1	414	15.9	11.9	23.1	1.39	10.5	13.1
75	54	41	7.0	0.44	0.54		5.2	517	16.5	12.4	26.5	1.59	11.1	13.8
45	51	38	7.4	0.52	0.65	53	3.1	310	15.6	11.7	28.0	1.68	13.2	16.4
60	54	41	8.8	0.55	0.68		4.1	414	16.5	12.4	33.3	2.00	13.9	17.4
75	55	41	10.1	0.60	0.75		5.2	517	16.8	12.6	38.2	2.29	15.4	19.2
45	52	39	9.7	0.67	0.83	54	3.1	310	15.9	11.9	36.7	2.20	17.0	21.2
60	57	43	11.6	0.66	0.82		4.1	414	17.4	13.0	43.9	2.63	16.7	20.8
75	60	45	13.2	0.66	0.84		5.2	517	18.3	13.7	50.0	3.00	17.1	21.4
PRO6503/6505SERIES - 25° Trajectory														
45	43	32	2.8	0.29	0.34	61	3.1	310	13.1	9.8	10.6	0.64	32.3	37.3
60	43	32	3.3	0.34	0.40		4.1	414	13.1	9.8	12.5	0.75	38.1	44.0
75	43	32	3.8	0.40	0.46		5.2	517	13.1	9.8	14.4	0.86	43.8	50.6
45	44	33	5.2	0.52	0.60	62	3.1	310	13.4	10.1	19.7	1.18	57.3	66.1
60	46	35	6.1	0.56	0.64		4.1	414	14.0	10.5	23.1	1.39	61.5	71.0
75	47	35	7.0	0.61	0.71		5.2	517	14.3	10.7	26.5	1.59	67.6	78.0
45	48	36	7.4	0.62	0.72	63	3.1	310	14.6	11.0	28.0	1.68	68.5	79.1
60	50	38	8.8	0.68	0.79		4.1	414	15.2	11.4	33.3	2.00	75.1	86.7
75	50	38	10.1	0.78	0.90		5.2	517	15.2	11.4	38.2	2.29	86.2	99.5
45	46	35	9.7	0.89	1.02	64	3.1	310	14.0	10.5	36.7	2.20	97.8	112.9
60	49	37	11.6	0.93	1.08		4.1	414	14.9	11.2	43.9	2.63	103.0	119.0
75	51	38	13.2	0.98	1.13		5.2	517	15.5	11.7	50.0	3.00	108.2	125.0
PRO7000SERIES - 25° Trajectory														
45	41	31	5.6	0.64	0.74	1	3.1	310	12.5	9.4	21.2	1.27	16.3	18.8
60	42	32	5.9	0.64	0.74		4.1	414	12.8	9.6	22.3	1.34	16.4	18.9
75	42	32	7.2	0.79	0.91		5.2	517	12.8	9.6	27.3	1.64	20.0	23.0
90	43	32	7.8	0.81	0.94	2	6.2	621	13.1	9.8	29.5	1.77	20.6	23.8
45	48	36	6.9	0.58	0.67		3.1	310	14.6	11.0	26.1	1.57	14.6	16.9
60	49	37	7.8	0.63	0.72		4.1	414	14.9	11.2	29.5	1.77	15.9	18.3
75	49	37	8.9	0.71	0.82	3	5.2	517	14.9	11.2	33.7	2.02	18.1	20.9
90	50	38	9.8	0.75	0.87		6.2	621	15.2	11.4	37.1	2.23	19.2	22.1
45	52	39	8.7	0.62	0.72		3.1	310	15.9	11.9	32.9	1.98	15.7	18.2
60	53	40	9.9	0.68	0.78	4	4.1	414	16.2	12.1	37.5	2.25	17.2	19.9
75	53	40	11.3	0.77	0.89		5.2	517	16.2	12.1	42.8	2.57	19.7	22.7
90	54	41	12.4	0.82	0.95		6.2	621	16.5	12.3	46.9	2.82	20.8	24.0
45	54	41	10.7	0.71	0.82	5	3.1	310	16.5	12.3	40.5	2.43	17.9	20.7
60	55	41	12.2	0.78	0.90		4.1	414	16.8	12.6	46.2	2.77	19.7	22.8
75	56	42	14.0	0.86	0.99		5.2	517	17.1	12.8	53.0	3.18	21.8	25.2
90	58	44	15.3	0.88	1.01	6	6.2	621	17.7	13.3	57.9	3.48	22.2	25.7
45	55	41	11.5	0.73	0.85		3.1	310	16.8	12.6	43.5	2.61	18.6	21.5
60	57	43	13.2	0.78	0.90		4.1	414	17.4	13.0	50.0	3.00	19.9	22.9
75	57	43	15.1	0.89	1.03	7	5.2	517	17.4	13.0	57.2	3.43	22.7	26.2
90	59	44	16.4	0.91	1.05		6.2	621	18.0	13.5	62.1	3.73	23.0	26.6
45	56	42	13.7	0.84	0.97		3.1	310	17.1	12.8	51.9	3.11	21.4	24.7
60	59	44	15.7	0.87	1.00	8	4.1	414	18.0	13.5	59.4	3.57	22.1	25.5
75	61	46	18.8	0.97	1.12		5.2	517	18.6	13.9	71.2	4.27	24.7	28.5
90	63	47	19.6	0.95	1.10		6.2	621	19.2	14.4	74.2	4.45	24.1	27.9
PRO7500SERIES - 25° Trajectory														
45	53	40	9.4	0.64	0.80	3	3.1	310	16.2	12.1	35.6	2.13	16.4	20.4
60	56	42	10.9	0.67	0.83		4.1	414	17.1	12.8	41.3	2.47	17.0	21.2
75	57	43	12.2	0.72	0.90		5.2	517	17.4	13.0	46.2	2.77	18.4	22.9
90	58	44	13.4	0.77	0.96	4	6.2	621	17.7	13.3	50.7	3.04	19.5	24.3
45	54	41	11.4	0.75	0.94		3.1	310	16.5	12.4	43.1	2.59	19.1	23.8
60	59	44	13.2	0.73	0.91		4.1	414	18.0	13.5	50.0	3.00	18.6	23.1
75	61	46	14.9	0.77	0.96	5	5.2	517	18.6	14.0	56.4	3.38	19.6	24.4
90	62	47	16.4	0.82	1.02		6.2	621	18.9	14.2	62.1	3.72	20.9	26.0
45	57	43	12.3	0.73	0.91		3.1	310	17.4	13.0	46.6	2.79	18.5	23.1
60	61	46	14.4	0.75	0.93	6	4.1	414	18.6	14.0	54.5	3.27	18.9	23.6
75	65	49	16.2	0.74	0.92		5.2	517	19.8	14.9	61.3	3.68	18.8	23.4
90	66	50	17.8	0.79	0.98		6.2	621	20.1	15.1	67.4	4.04	20.0	24.9
60	64	48	17.5	0.82	1.03	7	4.1	414	19.5	14.6	66.2	3.97	20.9	26.1
75	68	51	20.0	0.83	1.04		5.2	517	20.7	15.6	75.7	4.54	21.2	26.4
90	68	51	22.1	0.92	1.15		6.2	621	20.7	15.6	83.6	5.02	23.4	29.2
60	65	49	19.6	0.89	1.11	8	4.1	414	19.8	14.9	74.2	4.45	22.7	28.3
75	69	52	21.3	0.86	1.07		5.2	517	21.0	15.8	80.6	4.84	21.9	27.3
90	73	55	24.6	0.89	1.11		6.2	621	22.3	16.7	93.1	5.58	22.6	28.2
60	66	50	21.8	0.96	1.20	9	4.1	414	20.1	15.1	82.5	4.95	24.5	30.5
75	71	53	24.8	0.95	1.18		5.2	517	21.7	16.2	93.9	5.63	24.1	30.0
90	74	56	27.5	0.97	1.21		6.2	621	22.6	16.9	104.1	6.24	24.6	30.6
PRO7503SERIES - 25° Trajectory														
45	48	36	9.4	0.79	0.98	3	3.1	310	14.6	11.0	35.6	2.13	20.0	24.9
60	50	38	10.9	0.84	1.05		4.1	414	15.3	11.4	41.3	2.47	21.3	26.6
75	50	38	12.2	0.94	1.17		5.2	517	15.3	11.4	46.2	2.77	23.9	29.8
90	53	40	13.4	0.92	1.15	4	6.2	621	16.2	12.1	50.7	3.04	23.3	29.1
45	51	38	11.4	0.84	1.05		3.1	310	15.6	11.7	43.1	2.59	21.4	26.7
60	54	41	13.2	0.87	1.09		4.1	414	16.5	12.4	50.0	3.00	22.1	27.6
75	55	41	14.9	0.95	1.18	5	5.2	517	16.8	12.6	56.4	3.38	24.1	30.0
90	55	41	16.4	1.04	1.30		6.2	621	16.8	12.6	62.1	3.72	26.5	33.1
45	52	39	12.3	0.88	1.09		3.1	310	15.9	11.9	46.6	2.79	22.3	27.8
60	55	41	14.4	0.92	1.14	6	4.1	414	16.8	12.6	54.5	3.27	23.3	29.0
75	57	43	16.2	0.96	1.20		5.2	517	17.4	13.0	61.3	3.68	24.4	30.4
90	58	44	17.8	1.02	1.27		6.2	621	17.7	13.3	67.4	4.04	25.9	32.3
60	58	44	17.5	1.00	1.25	7	4.1	414	17.7	13.3	66.2	3.97	25.4	31.7
75	60	45	20.0	1.07	1.33		5.2	517	18.3	13.7	75.7	4.54	27.2	33.9
90	61	46	22.1	1.14	1.43		6.2	621	18.6	14.0	83.6	5.02	29.1	36.2
60	58	44	19.6	1.12	1.40	8	4.1	414	17.7	13.3	74.2	4.45	28.5	35.5
75	60	45	21.3	1.14	1.42		5.2	517	18.3	13.7	80.6	4.84	28.9	36.1
90	61	46	24.6	1.27	1.59		6.2	621	18.6	14.0	93.1	5.58	32.3	40.3
60	59	44	21.8	1.21	1.50	9	4.1	414	18.0	13.5	82.5	4.95	30.6	38.2
75	61	46	24.8	1.28	1.60		5.2	517	18.6	14.0	93.9	5.63	32.6	40.7
90	64	48	27.5	1.29	1.61		6.2	621	19.5	14.6	104.1	6.24	32.8	41.0

¹ Precipitation rates for square and triangular spacing calculated at 50% of diameter for half-circle operation. Assumes zero wind for precipitation and radius. Adjust for local conditions.



Continuous full or part-circle options in one sprinkler head eliminates need for multiple models; choose from 40° - 310° or a complete 360° rotation