

NELSON. TURF

Quality. Service. Guaranteed!



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.

44'-74'

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

GEARDRIVE **Sprinklers** - Features

Acu-Cover® Nozzle Performance

PRO 6500 SERIES - 25° Trajectory

Nozzle color ●

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹	Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹
PSI	FT	FT	OPM	mm/in		PSI	MPa	m	mm	mm/in
45	44	38	2.8	0.28	61	3.1	300	124	101	108.08
60	48	38	3.3	0.27	61	4.1	4M	14.0	105	125.075
75	49	35	3.5	0.27	61	5.2	5T	14.5	105	144.039
45	48	38	5.2	0.39	62	3.1	300	14.6	110	127.118
60	52	39	6.1	0.41	62	4.1	4M	15.9	119	201.189
75	54	41	7.0	0.44	62	5.2	5T	16.5	124	285.159
45	51	38	7.4	0.52	63	3.1	300	15.8	117	280.188
60	54	41	8.3	0.55	63	4.1	4M	16.5	124	338.200
75	55	41	10.1	0.60	63	5.2	5T	16.9	126	392.229
45	52	39	9.7	0.67	64	3.1	300	15.9	119	387.220
60	57	48	11.6	0.68	64	4.1	4M	17.4	130	439.288
75	60	45	13.2	0.68	64	5.2	5T	18.8	137	590.300

PRO 7000 SERIES - 25° Trajectory

Nozzle color ○

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹	Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹
PSI	FT	FT	OPM	mm/in		PSI	MPa	m	mm	mm/in
45	41	31	5.6	0.64	1	3.1	300	12.5	94	212.127
60	42	32	5.9	0.64	1	4.1	4M	12.8	96	229.136
75	42	32	7.2	0.79	0.91	5.2	5T	12.8	96	229.136
45	43	32	7.5	0.81	0.94	6.2	6.2	13.1	97	245.177
45	45	36	6.9	0.85	0.67	3.1	300	14.6	110	261.157
60	49	37	7.8	0.89	0.72	4.1	4M	14.9	112	285.179
75	49	37	9.9	0.91	0.75	5.2	5T	14.9	112	387.229
45	50	38	9.5	0.95	0.77	6.2	6.2	15.2	114	321.228
45	52	39	8.7	0.92	0.72	3.1	300	15.9	119	329.138
60	55	40	9.9	0.95	0.78	4.1	4M	16.2	121	375.228
75	59	40	11.9	0.97	0.89	5.2	5T	16.2	121	428.257
45	54	41	12.4	0.95	0.85	6.2	6.2	16.5	123	469.282
45	54	41	10.7	0.91	0.82	3.1	300	16.5	123	445.249
60	55	41	12.2	0.95	0.90	4.1	4M	16.8	126	462.277
75	56	42	14.0	0.96	0.99	5.2	5T	17.1	128	590.318
45	55	44	15.9	0.95	1.01	6.2	6.2	17.7	133	579.345
45	55	41	11.5	0.95	0.85	3.1	300	16.8	126	435.251
60	57	43	13.2	0.97	0.90	4.1	4M	17.4	130	500.360
75	57	43	15.1	0.99	1.09	5.2	5T	17.4	130	572.349
45	59	44	16.4	0.91	1.05	6.2	6.2	18.0	135	621.379
45	58	42	13.7	0.94	0.97	3.1	300	17.1	128	519.311
60	59	44	15.7	0.97	1.00	4.1	4M	18.0	135	594.357
75	61	45	18.5	0.97	1.12	5.2	5T	18.5	139	712.429
45	60	47	18.6	0.95	1.10	6.2	6.2	19.2	144	742.445

PRO 7500 SERIES - 25° Trajectory

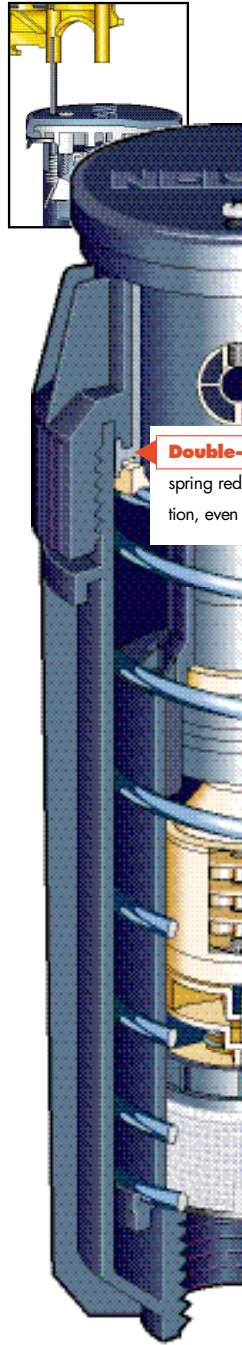
Nozzle color ●

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹	Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹
PSI	FT	FT	OPM	mm/in		PSI	MPa	m	mm	mm/in
45	59	40	9.4	0.94	3.00	3.1	300	16.2	121	366.219
60	56	42	10.9	0.97	3.25	4.1	4M	17.1	128	419.247
75	57	43	12.2	0.92	3.60	5.2	5T	17.4	130	462.277
45	55	44	13.4	0.97	3.65	6.2	6.2	17.7	133	507.304
45	54	41	11.4	0.95	3.04	3.1	300	16.5	124	431.259
60	59	44	13.2	0.95	3.61	4.1	4M	17.0	130	500.360
75	61	46	14.9	0.97	3.66	5.2	5T	17.6	140	564.388
45	62	47	16.4	0.92	4.02	6.2	6.2	17.9	142	621.372
45	61	45	13.9	0.95	3.61	3.1	300	17.4	130	466.279
60	61	45	14.4	0.95	3.69	4.1	4M	17.6	140	515.327
75	65	49	16.2	0.94	3.62	5.2	5T	18.0	149	619.365
45	66	50	17.8	0.95	3.85	6.2	6.2	20.1	151	674.404
60	64	45	17.5	0.92	4.09	4.1	4M	18.5	146	662.397
75	65	51	20.0	0.95	4.04	5.2	5T	20.7	156	757.454
45	65	51	22.1	0.92	4.15	6.2	6.2	20.7	156	806.502
60	65	49	19.6	0.95	4.11	4.1	4M	19.8	149	742.445
75	69	52	21.9	0.96	4.07	5.2	5T	21.0	158	806.484
45	70	55	24.6	0.95	4.11	6.2	6.2	22.9	167	891.539
60	68	50	23.8	0.96	4.20	4.1	4M	20.1	151	825.488
75	71	59	24.8	0.95	4.15	5.2	5T	21.7	162	949.559
45	74	56	22.8	0.97	4.21	6.2	6.2	22.6	169	1041.624

PRO 7503 SERIES - 25° Trajectory

Nozzle color ●

Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹	Nozzle Number	Pressure	Max Radius	Min Radius	Discharge	Precipitation Rate ¹
PSI	FT	FT	OPM	mm/in		PSI	MPa	m	mm	mm/in
45	45	36	9.4	0.95	3.00	3.1	300	14.6	110	366.219
60	50	38	10.9	0.94	3.05	4.1	4M	15.9	114	419.247
75	50	38	12.2	0.94	3.17	5.2	5T	15.9	114	462.277
45	50	40	13.4	0.92	3.15	6.2	6.2	16.2	121	507.304
45	51	38	11.4	0.94	3.05	3.1	300	15.6	117	431.259
60	54	41	13.2	0.97	3.09	4.1	4M	16.5	124	500.360
75	55	41	14.9	0.98	3.18	5.2	5T	16.8	126	564.388
45	55	41	16.4	1.04	3.80	6.2	6.2	16.8	126	621.372
45	52	39	12.9	0.95	3.09	3.1	300	15.9	119	466.279
60	55	41	14.4	0.92	3.14	4.1	4M	16.5	126	515.327
75	57	43	16.2	0.96	3.20	5.2	5T	17.4	130	619.365
45	58	44	17.8	1.02	3.27	6.2	6.2	17.7	133	674.404
60	55	44	17.5	1.00	3.25	4.1	4M	17.7	133	662.397
75	60	45	20.0	1.07	3.88	5.2	5T	19.7	157	757.454
45	61	46	22.1	1.14	4.19	6.2	6.2	19.6	149	806.502
60	58	44	19.6	1.12	4.40	4.1	4M	17.7	133	742.445
75	60	45	21.9	1.14	4.42	5.2	5T	19.7	157	806.484
45	61	46	24.6	1.27	4.59	6.2	6.2	19.6	149	891.539
60	59	44	23.8	1.21	4.50	4.1	4M	18.0	135	825.488
75	61	46	24.8	1.28	4.60	5.2	5T	19.6	149	949.559
45	64	45	22.8	1.29	4.61	6.2	6.2	19.5	146	1041.624



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

Full rubber cover on pop-up models is safe and vandal resistant with standard locking screw and **Through the cap - NIR²** (nozzle insertion/radius reduction) on all models. Model number is stamped in cover for easy identification

Patented Click-Set® Disk offers adjustable part-circle patterns in 5° increments

Double-lipped wiper seal and stainless steel retraction spring reduce unnecessary service calls by assuring positive retraction, even in sandy soils

Exclusive memory ring maintains pattern even if sprinkler is turned out of arc position

Acu-Cover® nozzles provide better close-in watering and eliminate dry spots around head

Ratcheting slip clutch protects gears and motor from damage while adjusting turret for part-circle adjustments - wet or dry

Water lubricated gear motor provides oil-free, quiet, reliable performance

Triple bearings support the rotating turret and increase durability (7000 & 7500 Series)

Bypass valve reduces pressure loss and standardizes rotation speed regardless of nozzle size, flow rate and inlet pressures

Large area filter provides excellent resistance against sand and debris

Anti-drain valve (packed separately, not installed) and heavy-duty spring help eliminate low head drainage and puddling

5 year warranty on materials and workmanship

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.