

D25/D35/D45 GOLF SERIES ROTORS



D25, D35 and D45 gear drive rotors deliver high quality, high performance coverage to medium and large turf areas. These heavy duty, long throw sprinklers provide dependable watering to all golf course applications.

D25/D35/D45 SERIES

FEATURES

- 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.
- 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.
- 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 and heavy-duty spring (ADV models only) help eliminate low head drainage and puddling.

D25 Series

D25A
Standard with anti-drain valve (ADV)

D25B
High speed rotation and stainless steel piston sleeve

D25C
Stainless steel piston sleeve, heavy-duty spring and anti-drain valve (ADV)

D35 Series

D35A
Standard with anti-drain valve (ADV)

D35C
Stainless steel piston sleeve, heavy-duty spring and anti-drain valve (ADV)

D45 Series

D45A
Standard with anti-drain valve (ADV)

D45B
High speed rotation, stainless steel piston sleeve, and anti-drain valve (ADV)

SPECIFICATIONS

Pressure regulation range:
40-75 psi (2.7 - 5.2 bar)

Maximum inlet pressure:
80 psi (5.5 bar)

Discharge:
2.3 to 12.6 gal/min
(8.7 to 47.7 l/min)

Spray trajectory:
25°

Pop-up height:
3.9 in. (10 cm)

Body height:
8.0 in. (20.3 cm)

Exposed cap diameter:
1.9 in. (4.7 cm)

Cap diameter:
2.9 in. (7.3 cm)

Type of cap:
Rubber with locking screw

Inlet size:
1" (25.4 mm) female NPT
(D25AN, D25BN, D25CN)
1" (25.4 mm) female BSP
(D25AB, D25BB, D25CB)

ADV models:
Holds back up to 9.8 ft (3 m) difference in elevation

Pressure regulation range:
40-90 psi (2.7-6.2 bar)

Maximum inlet pressure:
100 psi (6.9 bar)

Discharge:
6.9 to 18.4 gal/min
(25.3 to 69.6 l/min)

Spray trajectory:
25°

Pop-up height:
4.5 in. (11.4 cm)

Body height:
9.5 in. (24.1 cm)

Exposed cap diameter:
2.5 in. (6.3 cm)

Type of cap:
Rubber with locking screw

Inlet size:
1" (25.4 mm) female NPT
(D35AN, D35CN)
1" (25.4 mm) female BSP
(D35AB, D35CB)

ADV models:
Holds back up to 9.8 ft (3 m) difference in elevation

Pressure regulation range:
40-90 psi (2.7-6.2 bar)

Maximum inlet pressure:
100 psi (6.9 bar)

Discharge:
9.4 to 27.5 gal/min
(35.6 to 104 l/min)

Spray trajectory:
25°

Pop-up height:
4.5 in. (11.4 cm)

Body height:
9.5 in. (24.1 cm)

Exposed cap diameter:
2.5 in. (6.3 cm)

Type of cap:
Rubber with locking screw

Inlet size:
1" (25.4 mm) female NPT
(D45AN, D45BN)
1" (25.4 mm) female BSP
(D45AB, D45BB)

ADV models:
Holds back up to 9.8 ft (3 m) difference in elevation

D25 SERIES - 25° Trajectory

Nozzle color

Pressure					Precipitation Rate ¹	Nozzle Number	Pressure					Precipitation Rate ¹	
PSI	Max Radius FT	Min Radius FT	Discharge GPM	IN/HR ■ IN/HR▲	BAR		Max Radius kPa	Min Radius m	Discharge L/min	m ³ /hr	mm/hr ■ mm/hr▲		
45	44	33	2.8	0.23 0.29	61	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	62	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	28.5	1.59	11.1	13.8
45	51	38	7.4	0.52 0.65	63	3.1	310	15.6	11.7	28.0	1.88	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	64	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

D35 SERIES - 25° Trajectory

Nozzle color

Pressure					Precipitation Rate ¹	Nozzle Number	Pressure					Precipitation Rate ¹	
PSI	Max Radius FT	Min Radius FT	Discharge GPM	IN/HR ■ IN/HR▲	BAR		Max Radius kPa	Min Radius m	Discharge L/min	m ³ /hr	mm/hr ■ mm/hr▲		
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
45	48	36	6.9	0.58 0.67	2	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		5.2	517	14.9	11.2	33.7	2.02	18.1	20.9
45	50	38	9.8	0.75 0.87	3	3.1	310	15.9	11.9	32.9	1.98	15.7	18.2
60	53	40	9.9	0.68 0.78		4.1	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	17.7	22.7
45	54	41	12.4	0.82 0.95	4	3.1	310	16.5	12.3	46.9	2.82	20.8	24.0
60	55	41	10.7	0.71 0.82		4.1	414	16.8	12.6	40.5	2.43	17.9	20.7
75	56	42	14.0	0.86 0.99		5.2	517	17.1	12.8	53.0	3.18	21.8	25.2
45	58	44	15.3	0.88 1.01	5	3.1	310	16.8	12.6	57.9	3.48	22.2	25.7
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		5.2	517	17.4	13.0	57.2	3.43	22.7	26.2
45	59	44	16.4	0.91 1.05	6	3.1	310	18.0	13.5	62.1	3.73	23.0	26.6
60	56	42	13.7	0.84 0.97		4.1	414	18.0	13.5	51.9	3.11	21.4	24.7
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	

D45 SERIES - 25° Trajectory

Nozzle color

Pressure					Precipitation Rate ¹	Nozzle Number	Pressure					Precipitation Rate ¹	
PSI	Max Radius FT	Min Radius FT	Discharge GPM	IN/HR ■ IN/HR▲	BAR		Max Radius kPa	Min Radius m	Discharge L/min	m ³ /hr	mm/hr ■ mm/hr▲		
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
45	58	44	13.4	0.77 0.96	4	3.1	310	16.5	12.4	50.7	3.04	19.5	24.3
60	54	41	11.4	0.75 0.94		4.1	414	18.0	13.5	43.1	2.59	19.1	23.8
75	61	46	14.9	0.77 0.96		5.2	517	18.6	14.0	56.4	3.38	19.6	24.4
45	62	47	16.4	0.82 1.02	5	3.1	310	16.5	12.4	62.1	3.72	20.9	26.0
60	57	43	12.3	0.73 0.91		4.1	414	18.6	14.0	54.5	3.27	18.9	23.1
75	65	49	16.2	0.74 0.92		5.2	517	19.8	14.9	61.3	3.68	18.8	23.4
45	66	50	17.8	0.79 0.98	6	3.1	310	16.5	12.4	67.4	4.04	20.0	24.9
60	64	48	17.5	0.82 1.03		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
45	68	51	22.1	0.92 1.15	7	3.1	310	17.4	13.0	83.6	5.02	23.4	29.2
60	65	49	19.6	0.89 1.11		4.1	414	18.9	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
45	73	55	24.6	0.89 1.11	8	3.1	310	18.2	13.7	93.1	5.58	22.6	28.2
60	66	50	21.8	0.96 1.20		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	

D45B - 25° Trajectory

Nozzle color

Pressure					Precipitation Rate ¹	Nozzle Number	Pressure					Precipitation Rate ¹	
PSI	Max Radius FT	Min Radius FT	Discharge GPM	IN/HR ■ IN/HR▲	BAR		Max Radius kPa	Min Radius m	Discharge L/min	m ³ /hr	mm/hr ■ mm/hr▲		
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
45	51	38	11.4	0.84 1.05	4	3.1	310	15.6	11.7	50.7	3.04	23.3	29.1
60	54	41	13.2	0.87 1.09		4.1	414	16.8	12.6	56.4	3.38	24.1	30.0
75	55	41	14.9	0.95 1.18		5.2	517	16.8	12.6	62.1	3.72	26.5	33.1
45	52	39	12.3	0.88 1.09	5	3.1	310	15.9	11.9	66.6	2.79	22.3	27.8
60	55	41	14.4	0.92 1.14		4.1	414	16.9	12.6	54.5	3.27	23.3	29.0
75	57	43	16.2										