

80series[Impacts]



The 80 Series are Senninger's largest impact sprinklers. Designed for maximum efficiency at high flow rates.

FEATURES:

- Single and double nozzle designs available.
Double nozzle available in range drive (HR) or spreader drive (SD).
- Outlasts and costs less than brass sprinklers
- Lower bearing pipe thread: 1/4" M NPT, 1/4" F NPT; 1/2" M NPT, 1/4" M BSP
- Flow rates: 23.6 to 106.8 gpm [5360 to 24,257 L/hr]
- Built-in hex wrench for easy in-the-field maintenance

8025HR- |

Sprinkler Base Pressure																			
[psi]	35	40	45	50	55	60	65	70	75	[bar]	2.41	2.76	3.10	3.45	3.79	4.14	4.48	4.83	5.17
#24 Nozzle [3/8"]										#24 Nozzle [9.53mm]									
Flow [gpm]	23.6	25.2	26.7	28.2	29.6	30.9	32.1	33.3	34.5	Flow [L/hr]	5360	5724	6064	6405	6723	7018	7291	7563	7836
Diam. at 1.5' ht. [ft.]	128	134	139	144	149	154	157	159	160	Diam. at 0.46m ht. [m]	39.0	40.8	42.4	43.9	45.4	46.9	47.9	48.5	48.8
Diam. at 6.0' ht. [ft.]	147	152	156	159	162	164	166	168	170	Diam. at 1.83m ht. [m]	45.1	46.3	47.5	48.5	49.4	50.0	50.6	51.2	51.8
#26 Nozzle [13/32"]										#26 Nozzle [10.32mm]									
Flow [gpm]	24.4	29.3	31.0	32.7	34.3	35.9	37.3	38.7	40.1	Flow [L/hr]	5542	6655	7041	7427	7790	8154	8472	8790	9108
Diam. at 1.5' ht. [ft.]	136	142	147	152	157	161	164	166	168	Diam. at 0.46m ht. [m]	41.5	43.3	44.8	46.3	47.9	49.1	50.0	50.6	51.2
Diam. at 6.0' ht. [ft.]	152	157	161	164	167	169	171	173	175	Diam. at 1.83m ht. [m]	46.3	47.9	49.1	50.0	50.9	51.5	52.1	52.7	53.3
#28 Nozzle [7/16"]										#28 Nozzle [11.11mm]									
Flow [gpm]	31.8	33.9	36.0	38.0	39.8	41.6	43.3	44.9	46.5	Flow [L/hr]	7223	7700	8176	8631	9040	9448	9834	10198	10561
Diam. at 1.5' ht. [ft.]	142	148	153	157	161	166	169	171	173	Diam. at 0.46m ht. [m]	43.3	45.1	46.6	47.9	49.1	50.6	51.5	52.1	52.7
Diam. at 6.0' ht. [ft.]	156	161	165	168	171	173	175	177	179	Diam. at 1.83m ht. [m]	47.5	49.1	50.3	51.2	52.1	52.7	53.3	53.9	54.6
#30 Nozzle [15/32"]										#30 Nozzle [11.91mm]									
Flow [gpm]	36.1	38.6	40.9	43.1	45.2	47.2	49.2	51.0	52.8	Flow [L/hr]	8199	8767	9289	9789	10266	10720	11175	11583	11992
Diam. at 1.5' ht. [ft.]	147	153	158	162	166	170	173	175	178	Diam. at 0.46m ht. [m]	44.8	46.6	48.2	49.4	50.6	51.8	52.7	53.3	54.3
Diam. at 6.0' ht. [ft.]	160	165	169	172	175	177	179	181	183	Diam. at 1.83m ht. [m]	48.8	50.3	51.5	52.4	53.3	53.9	54.6	55.2	55.8
#32 Nozzle [1/2"]										#32 Nozzle [12.7mm]									
Flow [gpm]	41.0	43.9	46.5	49.0	51.4	53.7	55.9	58.0	60.1	Flow [L/hr]	9312	9971	10561	11129	11674	12197	12696	13173	13650
Diam. at 1.5' ht. [ft.]	150	156	161	165	169	173	176	179	183	Diam. at 0.46m ht. [m]	45.7	47.5	49.1	50.3	51.5	52.7	53.6	54.6	55.8
Diam. at 6.0' ht. [ft.]	164	169	173	176	179	181	183	185	187	Diam. at 1.83m ht. [m]	50.0	51.5	52.7	53.6	54.6	55.2	55.8	56.4	57.0
#34 Nozzle [17/32"]										#34 Nozzle [13.49mm]									
Flow [gpm]	46.3	49.5	52.5	55.4	58.1	60.7	63.1	65.5	67.8	Flow [L/hr]	10516	11243	11924	12583	13196	13786	14332	14877	15399
Diam. at 1.5' ht. [ft.]	153	159	164	168	172	176	180	183	186	Diam. at 0.46m ht. [m]	46.6	48.5	50.0	51.2	52.4	53.6	54.9	55.8	56.7
Diam. at 6.0' ht. [ft.]	167	172	176	179	182	184	186	188	190	Diam. at 1.83m ht. [m]	50.9	52.4	53.6	54.6	55.5	56.1	56.7	57.3	57.9
#36 Nozzle [9/16"]										#36 Nozzle [14.29mm]									
Flow [gpm]	51.9	55.5	58.9	62.1	65.1	68.0	70.8	73.5	76.0	Flow [L/hr]	11788	12605	13378	14104	14786	15444	16080	16694	17261
Diam. at 1.5' ht. [ft.]	155	161	166	170	174	178	183	187	190	Diam. at 0.46m ht. [m]	47.2	49.1	50.6	51.8	53.0	54.3	55.8	57.0	57.9
Diam. at 6.0' ht. [ft.]	170	175	179	182	185	187	189	191	193	Diam. at 1.83m ht. [m]	51.8	53.3	54.6	55.5	56.4	57.0	57.6	58.2	58.8
#38 Nozzle [19/32"]										#38 Nozzle [15.08mm]									
Flow [gpm]	56.0	59.9	63.5	66.9	70.2	73.3	76.3	79.2	82.0	Flow [L/hr]	12719	13605	14422	15195	15944	16648	17330	17988	18624
Diam. at 1.5' ht. [ft.]	157	163	168	172	176	180	185	190	192	Diam. at 0.46m ht. [m]	47.9	49.7	51.2	52.4	53.6	54.9	56.4	57.9	58.5
Diam. at 6.0' ht. [ft.]	173	178	182	185	188	190	192	194	196	Diam. at 1.83m ht. [m]	52.7	54.3	55.5	56.4	57.3	57.9	58.5	59.1	59.7
#40 Nozzle [5/8"]										#40 Nozzle [15.88mm]									
Flow [gpm]	-	67.1	71.1	75.0	78.7	82.1	85.5	88.7	91.8	Flow [L/hr]	-	15240	16149	17034	17875	18647	19419	20146	20850
Diam. at 1.5' ht. [ft.]	-	165	170	174	178	182	187	192	194	Diam. at 0.46m ht. [m]	-	50.3	51.8	53.0	54.3	55.5	57.0	58.5	59.1
Diam. at 6.0' ht. [ft.]	-	180	184	187	190	192	194	196	198	Diam. at 1.83m ht. [m]	-	54.9	56.1	57.0	57.9	58.5	59.1	59.7	60.4

Sprinkler performance may vary with actual field conditions. Diameters shown are for standard straight bore nozzles and stream straightening vanes. Other nozzles and/or vane combinations are available; Consult factory for specific performance data. Stream heights range from 12.5-28.0 ft. [3.8-8.5 m] above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. [0.46 m].

Impacts] 80series

FEATURES: continued...

- Two-year warranty on materials, workmanship AND performance
- Color-coded nozzles for easy size identification; warranted to maintain correct orifice size for five years



8025-SD The Booster Tube provides an increased radius of throw over standard range and spreader drive models by approximately 5 - 10%. Consult factory for specific performance data. Available only on **8025 Spreader Drive** double nozzle models.

8025HR-2

Sprinkler Base Pressure										[bar]									
[psi]	35	40	45	50	55	60	65	70	75	2.41	2.76	3.10	3.45	3.79	4.14	4.48	4.83	5.17	
24x12 #24 Range Noz. [3/8"] x #12 Spreader Noz.- Red [3/16"]										24x12 #24 Range Noz. [9.53mm] x #12 Spreader Noz.-Red [4.76mm]									
Flow [gpm]	28.9	30.8	32.7	34.5	36.2	37.8	39.3	40.8	42.2	Flow [L/hr]	6564	6995	7427	7836	8222	8585	8926	9267	9585
Diam. at 1.5' ht. [ft.]	128	134	139	144	149	154	157	159	160	Diam. at 0.46m ht. [m]	39.0	40.8	42.4	43.9	45.4	46.9	47.9	48.5	48.8
Diam. at 6.0' ht. [ft.]	147	152	156	159	162	164	166	168	170	Diam. at 1.83m ht. [m]	44.8	46.3	47.5	48.5	49.4	50.0	50.6	51.2	51.8
26x14 #26 Range Noz. [13/32"] x #14 Spreader Noz.- Blue [7/32"]										26x14 #26 Range Noz. [10.32mm] x #14 Spreader Noz.-Blue [5.56mm]									
Flow [gpm]	36.8	39.4	41.8	44.0	46.2	48.2	50.2	52.1	53.9	Flow [L/hr]	8358	8949	9494	9993	10493	10947	11402	11833	12242
Diam. at 1.5' ht. [ft.]	136	142	147	152	157	161	164	166	168	Diam. at 0.46m ht. [m]	41.5	43.3	44.8	46.3	47.9	49.1	50.0	50.6	51.2
Diam. at 6.0' ht. [ft.]	152	157	161	164	167	169	171	173	175	Diam. at 1.83m ht. [m]	46.3	47.9	49.1	50.0	50.9	51.5	52.1	52.7	53.3
28x14 #28 Range Noz. [7/16"] x #14 Spreader Noz.- Blue [7/32"]										28x14 #128 Range Noz. [11.11mm] x #14 #14 Spreader Noz.-Blue [5.56mm]									
Flow [gpm]	39.3	42.0	44.5	46.9	49.3	51.4	53.5	55.6	57.5	Flow [L/hr]	8926	9539	10107	10652	11197	11674	12151	12628	13060
Diam. at 1.5' ht. [ft.]	142	148	153	157	161	166	169	171	173	Diam. at 0.46m ht. [m]	43.3	45.1	46.6	47.9	49.1	50.6	51.5	52.1	52.7
Diam. at 6.0' ht. [ft.]	156	161	165	168	171	173	175	177	179	Diam. at 1.83m ht. [m]	47.5	49.1	50.3	51.2	52.1	52.7	53.3	53.9	54.6
30x14 #30 Range Noz. [15/32"] x #14 Spreader Noz.- Blue [7/32"]										30x14 #30 Range Noz. [11.91mm] x #14 Spreader Noz.-Blue [5.56mm]									
Flow [gpm]	43.0	45.9	48.7	51.4	53.9	56.3	58.6	60.8	62.9	Flow [L/hr]	9766	10425	11061	11674	12242	12787	13310	13809	14286
Diam. at 1.5' ht. [ft.]	147	153	158	162	166	170	173	175	178	Diam. at 0.46m ht. [m]	44.8	46.6	48.2	49.4	50.6	51.8	52.7	53.3	54.3
Diam. at 6.0' ht. [ft.]	160	165	169	172	175	177	179	181	183	Diam. at 1.83m ht. [m]	48.8	50.3	51.5	52.4	53.3	53.9	54.6	55.2	55.8
32x16 #32 Range Noz. [1/2"] x #16 Spreader Noz.- Orange [1/4"]										32x16 #32 Range Noz. [12.7mm] x #16 Spreader Noz.-Orange [6.35mm]									
Flow [gpm]	50.2	53.7	56.9	60.0	63.0	65.8	68.4	71.0	73.5	Flow [L/hr]	11402	12197	12923	13627	14309	14945	15535	16126	16694
Diam. at 1.5' ht. [ft.]	150	156	161	165	169	173	176	179	183	Diam. at 0.46m ht. [m]	45.7	47.5	49.1	50.3	51.5	52.7	53.6	54.6	55.8
Diam. at 6.0' ht. [ft.]	164	169	173	176	179	181	183	185	187	Diam. at 1.83m ht. [m]	50.0	51.5	52.7	53.6	54.6	55.2	55.8	56.4	57.0
34x16 #34 Range Noz. [17/32"] x #16 Spreader Noz.- Orange [1/4"]										34x16 #34 Range Noz. [13.49mm] x #16 Spreader Noz.-Orange [6.35mm]									
Flow [gpm]	55.4	59.2	62.8	66.2	69.4	72.5	75.4	78.3	81.1	Flow [L/hr]	12583	13446	14263	15036	15762	16467	17125	17784	18420
Diam. at 1.5' ht. [ft.]	153	159	164	168	172	176	180	183	186	Diam. at 0.46m ht. [m]	46.6	48.5	50.0	51.2	52.4	53.6	54.9	55.8	56.7
Diam. at 6.0' ht. [ft.]	167	172	176	179	182	184	186	188	190	Diam. at 1.83m ht. [m]	50.9	52.4	53.6	54.6	55.5	56.1	56.7	57.3	57.9
36x16 #36 Range Noz. [9/16"] x #16 Spreader Noz.- Orange [1/4"]										36x16 #36 Range Noz. [14.29mm] x #16 Spreader Noz.-Orange [6.35mm]									
Flow [gpm]	60.9	65.1	69.0	72.7	76.3	79.7	82.9	86.1	89.1	Flow [L/hr]	13832	14786	15672	16512	17330	18102	18829	19555	20237
Diam. at 1.5' ht. [ft.]	155	161	166	170	174	178	183	187	190	Diam. at 0.46m ht. [m]	47.2	49.1	50.6	51.8	53.0	54.3	55.8	57.0	57.9
Diam. at 6.0' ht. [ft.]	170	175	179	182	185	187	189	191	193	Diam. at 1.83m ht. [m]	51.8	53.3	54.6	55.5	56.4	57.0	57.6	58.2	58.8
38x18 #38 Range Noz. [19/32"] x #18 Spreader Noz.- Purple [9/32"]										38x18 #38 Range Noz. [15.08mm] x #18 Spreader Noz.-Purple [7.14mm]									
Flow [gpm]	67.0	71.7	76.0	80.1	84.1	87.8	91.3	94.9	98.1	Flow [L/hr]	15217	16285	17261	18193	19101	19942	20736	21554	22281
Diam. at 1.5' ht. [ft.]	157	163	168	172	176	180	185	190	192	Diam. at 0.46m ht. [m]	47.9	49.7	51.2	52.4	53.6	54.9	56.4	57.9	58.5
Diam. at 6.0' ht. [ft.]	173	178	182	185	188	190	192	194	196	Diam. at 1.83m ht. [m]	52.7	54.3	55.5	56.4	57.3	57.9	58.5	59.1	59.7
40x18 #40 Range Noz. [5/8"] x #18 Spreader Noz.- Purple [9/32"]										40x18 #40 Range Noz. [15.88mm] x #18 Spreader Noz.-Purple [7.14mm]									
Flow [gpm]	-	78.0	82.8	87.2	91.5	95.6	99.4	103.2	106.8	Flow [L/hr]	-	17716	18806	19805	20782	21713	22576	23439	24257
Diam. at 1.5' ht. [ft.]	-	165	170	174	178	182	187	192	194	Diam. at 0.46m ht. [m]	-	50.3	51.8	53.0	54.3	55.5	57.0	58.5	59.1
Diam. at 6.0' ht. [ft.]	-	180	184	187	190	192	194	196	198	Diam. at 1.83m ht. [m]	-	54.9	56.1	57.0	57.9	58.5	59.1	59.7	60.4

Sprinkler performance may vary with actual field conditions. Diameters shown are for standard straight bore nozzles and stream straightening vanes. Other nozzles and/or vane combinations are available; Consult factory for specific performance data. Stream heights range from 12.5 - 28.0 ft [3.8 - 8.5 m] above nozzle based on pressure and nozzle size. Minimum recommended riser height is 1.5 ft. [0.46 m].