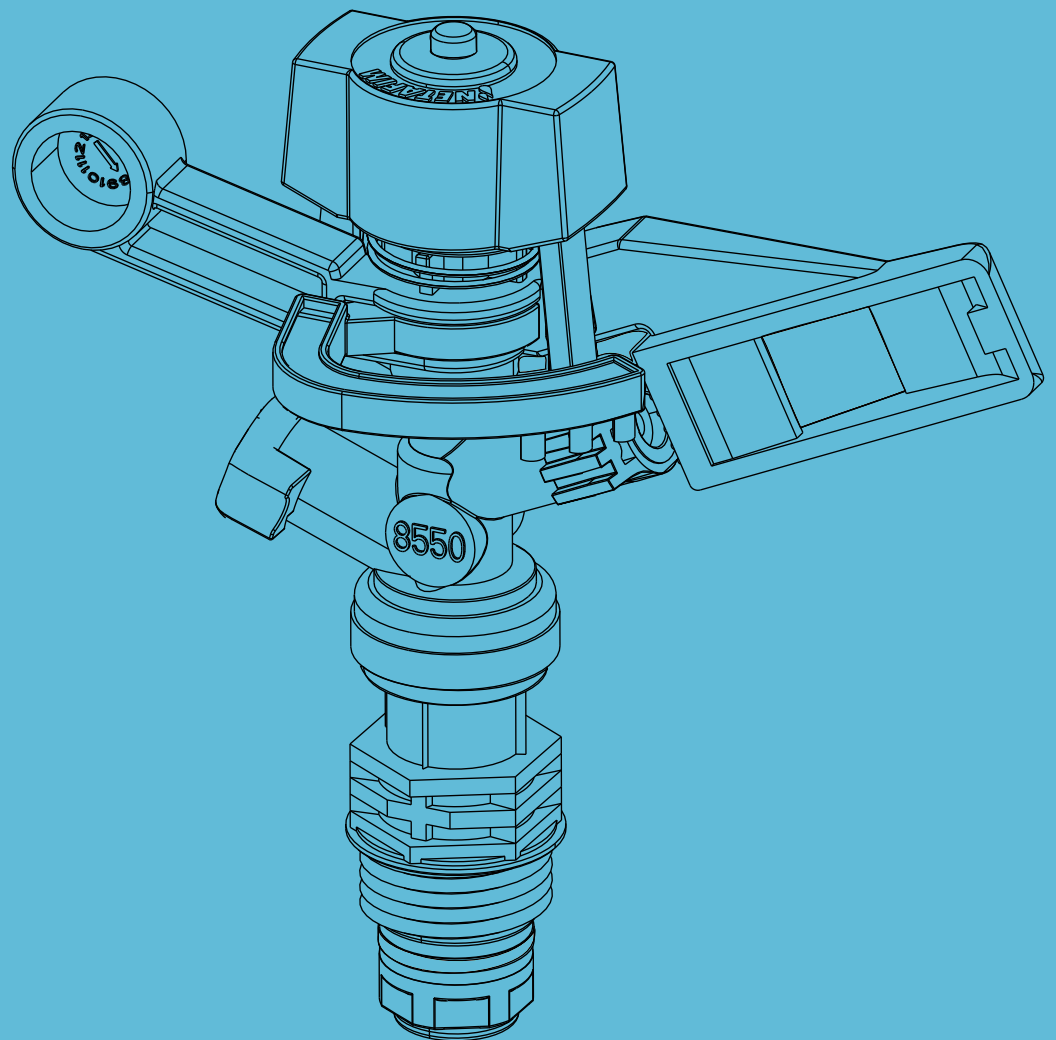


D-Net 8550™

3D ARM IMPACT SPRINKLER

USER MANUAL



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NOTE

All the drawings in this document are for the purpose of illustration only. The actual product details and infrastructure condition, may differ in any actual application.



FOREIGN LANGUAGES

If you are reading this manual in a language other than the English language, you acknowledge and agree that the English language version shall prevail in any case of inconsistency or contradiction in interpretation or translation.

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INTRODUCTION

Use of symbols

The symbols used in this manual refer to the following:



WARNING

The following text contains instructions aimed at preventing bodily injury or direct damage to the crops, the product and/or the infrastructure.



CAUTION

The following text contains instructions aimed at preventing unwanted system operation, installation or conditions that, if not followed, might void the warranty.



ATTENTION

The following text contains instructions aimed at enhancing the effective use of the instructions in the manual.



NOTE

The following text contains instructions aimed at emphasizing certain aspects of the installation or operation of the product.



SAFETY FOOTWEAR

The following text contains instructions aimed at preventing foot injury.



TIP

The following text provides clarification, tips or useful information.

Aim of this manual

The aim of this manual is to guide the user in setting up, installation, operating and maintenance of the D-Net™ 8550 sprinkler in its various applications.

Safety instructions

- All local safety regulations must be applied when installing, operating, maintaining and troubleshooting the Netafim™ sprinkler irrigation system and its components.
- The effectiveness of the equipment may be jeopardized or impaired if the equipment is used in a manner other than that specified by the manufacturer.



WARNING

In an agricultural environment - always wear protective footwear.

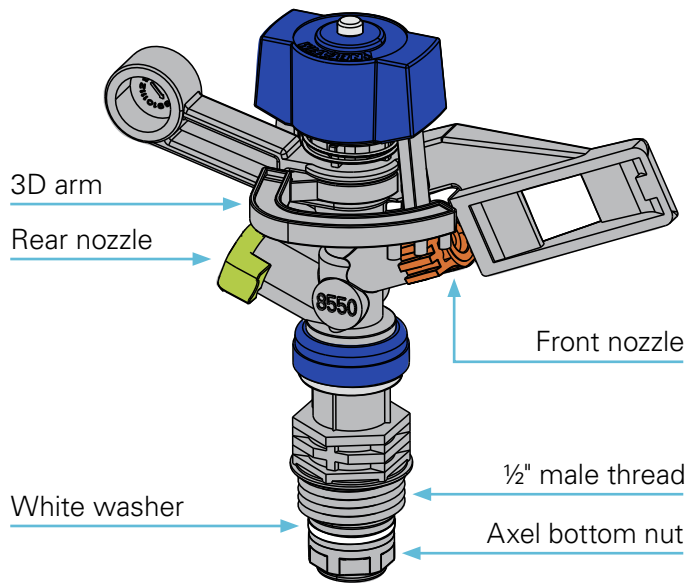


CAUTION

When opening or closing any manual valve, always do so gradually, to prevent damage to the system by water hammer.

D-NET™ 8550 3D ARM IMPACT SPRINKLER

Description



Applications

For vegetables and open field crops, open field nurseries, crop germination and cooling fruit orchards.

Features and benefits

More and better yields

- The D-Net™ 8550 provides outstandingly high uniformity distribution of the water due to the unique 3-D arm that enables the highest uniformity in the market, respective to its flow rate and installation spacing.
- The D-Net™ 8550 provides maximum water-use efficiency.

Save labor cost and multiple investment in maintenance

- **High robustness** - The D-Net™ 8550 has special design that makes the sprinkler more resistible and ensure high performance for a long product life.
- **Extended product life** - The D-Net™ 8550 is made of UV-protected materials, and it's durable in the presence of all climate conditions and nutrients injected in agricultural applications.
- **Flexible installation** - Can be installed on solid sets or on removable field stands.
- **Easy to maintain** - A special nozzle key is deigned in order to allow continent cleaning of the nozzle.

Specifications

- 7 different nominal flow rates: 510, 580, 680, 810, 940, 1135, 1275 l/h (at 2.5 bar pressure).
- Recommended working pressure: 2.0 to 3.0 bar (at the sprinkler head).
- Water trajectory: 24 degrees
- Inlet connector: 1/2" male threaded.
- Color-coded nozzles for easy identification.

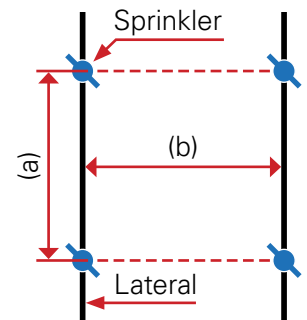


ATTENTION

- For water containing over 2 ppm of sand, a hydrocyclone sand separator must be installed upstream from the main filter.
- For water containing over 100 ppm of sand/silt/clay solids, pretreatment must be performed according to the instructions of the Netafim™ expert team.

TECHNICAL DATA

Performance



Rectangular spacing

Nozzle		Working pressure (bar)	Flow rate (l/h)	Wetted diameter* (m)	Spacing - rectangular (m x m)			
Size (mm)	Color code				10 x 12	11 x 12	12 x 12	13 x 12
2.3 + 1.8	Gray + lime green	1.5	395	18	3.5	3.2	2.9	2.1
		2.0	456	18	3.5	3.2	2.9	2.7
		2.5	510	19	4.4	4.0	3.7	3.4
		3.0	559	19	4.8	4.4	4.0	3.7
2.5 + 1.8	Purple + lime green	1.5	449	18	3.7	3.4	3.1	2.9
		2.0	519	19	4.4	4.0	3.6	3.3
		2.5	580	19	4.9	4.4	4.0	3.7
		3.0	635	20	5.4	4.9	4.5	4.2
2.9 + 1.8	Orange + lime green	1.5	527	18	4.4	4.0	3.7	3.4
		2.0	608	19	5.1	4.6	4.2	3.9
		2.5	680	20	5.7	5.1	4.7	4.3
		3.0	745	20	6.2	5.6	5.2	4.8
3.2 + 1.8	Green + lime green	1.5	627	18	5.2	4.8	4.4	4.0
		2.0	724	18	6.1	5.5	5.0	4.7
		2.5	810	21	6.8	6.1	5.6	5.2
		3.0	887	21	7.4	6.7	6.2	5.7
3.5 + 1.8	Blue + lime green	1.5	728	18	6.0	5.5	5.0	4.6
		2.0	841	19	7.0	6.4	5.8	5.4
		2.5	940	21	7.9	7.1	6.5	6.0
		3.0	1030	21	8.6	7.8	7.2	6.6

Nozzle		Working pressure (bar)	Flow rate (l/h)	Wetted diameter* (m)	Spacing - rectangular (m x m)			
Size (mm)	Color code				9 x 14	9 x 15	10 x 14	10 x 15
3.5 + 2.5	Blue + yellow	2.0	1015	22	8.1	7.5	7.3	6.8
		2.5	1135	22	9.0	8.4	8.1	7.6
		3.0	1243	22	9.9	9.2	8.9	8.3
4.0 + 2.5	Black + yellow	2.0	1145	22	9.1	8.5	8.2	7.6
		2.5	1275	22	10.1	9.4	9.1	8.5
		3.0	1397	22	11.1	10.3	10.0	9.3

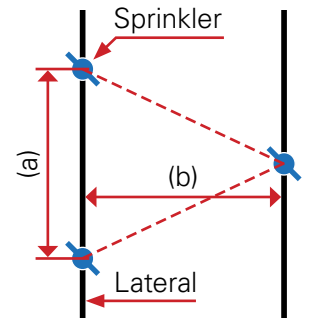
* Performance table prepared under laboratory conditions, sprinkler head 1.0 meter above ground.

At least 0.5 mm/h.

%CU	≥ 92%	≥ 88% and < 92%	≥ 86% and < 88%	< 86%
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TECHNICAL DATA

Performance (cont'd)



Triangular spacing - isosceles**

Nozzle		Working pressure (bar)	Flow rate (l/h)	Wetted diameter* (m)	Spacing - rectangular (m x m)			
Size (mm)	Color code				10 x 12	11 x 12	12 x 12	13 x 12
2.3 + 1.8	Gray + lime green	1.5	395	18	3.5	3.2	2.9	2.1
		2.0	456	18	3.5	3.2	2.9	2.7
		2.5	510	19	4.4	4.0	3.7	3.4
		3.0	559	19	4.8	4.4	4.0	3.7
2.5 + 1.8	Purple + lime green	1.5	449	18	3.7	3.4	3.1	2.9
		2.0	519	19	4.4	4.0	3.6	3.3
		2.5	580	19	4.9	4.4	4.0	3.7
		3.0	635	20	5.4	4.9	4.5	4.2
2.9 + 1.8	Orange + lime green	1.5	527	18	4.4	4.0	3.7	3.4
		2.0	608	19	5.1	4.6	4.2	3.9
		2.5	680	20	5.7	5.1	4.7	4.3
		3.0	745	20	6.2	5.6	5.2	4.8
3.2 + 1.8	Green + lime green	1.5	627	18	5.2	4.8	4.4	4.0
		2.0	724	19	6.1	5.5	5.0	4.7
		2.5	810	21	6.8	6.1	5.6	5.2
		3.0	887	21	7.4	6.7	6.2	5.7
3.5 + 1.8	Blue + lime green	1.5	728	18	6.0	5.5	5.0	4.6
		2.0	841	19	7.0	6.4	5.8	5.4
		2.5	940	21	7.9	7.1	6.5	6.0
		3.0	1030	21	8.6	7.8	7.2	6.6

Nozzle		Working pressure (bar)	Flow rate (l/h)	Wetted diameter* (m)	Spacing - rectangular (m x m)			
Size (mm)	Color code				9 x 14	9 x 15	10 x 14	10 x 15
3.5 + 2.5	Blue + yellow	2.0	1015	22	8.1	7.5	7.3	6.8
		2.5	1135	22	9.0	8.4	8.1	7.6
		3.0	1243	22	9.9	9.2	8.9	8.3
4.0 + 2.5	Black + yellow	2.0	1145	22	9.1	8.5	8.2	7.6
		2.5	1275	22	10.1	9.4	9.1	8.5
		3.0	1397	22	11.1	10.3	10.0	9.3

* Performance table prepared under laboratory conditions, sprinkler head 1.0 meter above ground. At least 0.5 mm/h.

%CU	≥ 92%	≥ 88% and < 92%	≥ 86% and < 88%	< 86%
------------	-------	-----------------	-----------------	-------

**Do not confound isosceles with equilateral:

- An isosceles triangle is a triangle in which two sides are of equal length. The distance between 2 adjacent sprinklers on the same lateral (a) is not equal to the distance between 2 sprinklers on adjacent laterals. The height of the triangle represents the distance between adjacent laterals (b). Isosceles is usually referred to in open-field applications.
- An equilateral triangle is a triangle in which all three sides are equal. The distance between 2 adjacent sprinklers on the same lateral is equal to the distance between 2 sprinklers on adjacent laterals. Equilateral is occasionally referred to in orchards due to the tree planting pattern.

TECHNICAL DATA

Max. lateral length - 10% flow variation

Inlet pressure: 3.0 bar

Lateral: PE 40 mm ID: 36.8 mm

Nozzle size 2.3 + 1.8, 510 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	126	130	143	144	156
	1%	135	140	154	156	169
Flat terrain	0	153	160	165	180	195
Downhill	-1%	162	170	187	192	208
	-2%	171	180	198	204	221

Nozzle size 2.5 + 1.8, 580 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	117	120	132	132	143
	1%	126	130	143	156	156
Flat terrain	0	135	150	154	168	182
Downhill	-1%	144	160	165	180	195
	-2%	153	170	176	192	208

Nozzle size 2.9 + 1.8, 680 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	108	110	121	132	130
	1%	117	120	132	144	143
Flat terrain	0	126	130	143	156	156
Downhill	-1%	135	140	154	168	169
	-2%	144	150	165	168	182

Nozzle size 3.2 + 1.8, 810 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	99	100	110	120	117
	1%	108	110	121	132	130
Flat terrain	0	117	120	132	132	143
Downhill	-1%	117	130	143	144	156
	-2%	126	140	143	156	169

Nozzle size 3.5 + 1.8, 940 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	90	100	99	108	117
	1%	99	100	110	120	117
Flat terrain	0	99	110	121	120	130
Downhill	-1%	108	120	121	132	143
	-2%	117	120	132	144	143

Nozzle size 3.5 + 2.5, 1135 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	81	90	99	96	104
	1%	90	90	99	108	117
Flat terrain	0	90	100	110	108	117
Downhill	-1%	99	100	110	120	130
	-2%	99	110	121	120	130

Nozzle size 4.0 + 2.5, 1275 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	81	80	88	96	104
	1%	81	90	99	96	104
Flat terrain	0	90	90	99	108	117
Downhill	-1%	90	100	99	108	117
	-2%	90	100	110	120	117

Lateral: PE 50 mm ID: 45.4 mm

Nozzle size 2.3 + 1.8, 510 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	162	170	176	180	195
	1%	180	190	209	216	221
Flat terrain	0	207	220	242	252	273
Downhill	-1%	234	250	264	288	299
	-2%	252	270	286	312	325

Nozzle size 2.5 + 1.8, 580 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	153	160	165	168	182
	1%	171	180	187	204	208
Flat terrain	0	198	210	220	240	247
Downhill	-1%	216	230	242	264	273
	-2%	225	250	264	288	299

Nozzle size 2.9 + 1.8, 680 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	144	150	154	168	169
	1%	162	170	176	192	195
Flat terrain	0	180	190	198	216	221
Downhill	-1%	189	210	220	240	247
	-2%	207	220	242	252	273

Nozzle size 3.2 + 1.8, 810 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	126	140	143	156	156
	1%	144	150	165	168	182
Flat terrain	0	162	170	176	192	208
Downhill	-1%	171	180	198	204	221
	-2%	180	200	209	228	234

Nozzle size 3.5 + 1.8, 940 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	117	130	132	144	143
	1%	135	140	154	156	169
Flat terrain	0	144	160	165	180	182
Downhill	-1%	153	170	176	192	208
	-2%	162	180	187	204	221

Nozzle size 3.5 + 2.5, 1135 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	108	120	121	132	130
	1%	117	130	132	144	156
Flat terrain	0	126	140	143	156	169
Downhill	-1%	135	150	154	168	182
	-2%	144	160	165	180	195

Nozzle size 4.0 + 2.5, 1275 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	108	110	121	120	130
	1%	108	120	132	132	143
Flat terrain	0	117	130	143	144	156
Downhill	-1%	126	140	143	156	169
	-2%	135	150	154	168	182

*Nominal flow rate at 2.5 bar working pressure.

TECHNICAL DATA

Max. lateral length - 10% flow variation

Inlet pressure: 3.0 bar

Lateral: FlexNet™ 2" ID: 51.5 mm

Nozzle size 2.3 + 1.8, 510 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	180	190	198	204	208
	1%	216	220	242	252	260
Flat terrain	0	252	270	286	300	312
Downhill	-1%	279	300	319	348	364
	-2%	306	330	352	384	403

Nozzle size 2.5 + 1.8, 580 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	171	180	187	192	195
	1%	198	210	220	228	247
Flat terrain	0	234	250	264	276	299
Downhill	-1%	261	280	297	312	338
	-2%	279	300	330	348	364

Nozzle size 2.9 + 1.8, 680 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	162	170	176	180	195
	1%	180	190	209	216	221
Flat terrain	0	207	220	242	252	260
Downhill	-1%	234	250	264	288	299
	-2%	252	270	286	312	325

Nozzle size 3.2 + 1.8, 810 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	144	160	165	168	182
	1%	171	180	187	192	208
Flat terrain	0	189	200	209	228	234
Downhill	-1%	207	220	242	252	273
	-2%	225	240	253	276	286

Nozzle size 3.5 + 1.8, 940 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	135	150	154	156	169
	1%	153	160	176	180	195
Flat terrain	0	171	180	198	204	221
Downhill	-1%	189	200	220	228	247
	-2%	198	220	231	252	260

Nozzle size 3.5 + 2.5, 1135 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	126	130	143	144	156
	1%	135	150	154	168	169
Flat terrain	0	153	160	176	180	195
Downhill	-1%	162	180	187	204	208
	-2%	180	190	198	216	234

Nozzle size 4.0 + 2.5, 1275 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	117	130	132	144	143
	1%	135	140	143	156	169
Flat terrain	0	144	150	165	168	182
Downhill	-1%	153	170	176	192	195
	-2%	162	180	187	204	208

Lateral: FlexNet™ 3" ID: 78.3 mm

Nozzle size 2.3 + 1.8, 510 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	252	260	264	276	273
	1%	369	380	396	408	416
Flat terrain	0	522	560	594	636	663
Downhill	-1%	648	700	759	804	858
	-2%	738	440	473	504	455

Nozzle size 2.5 + 1.8, 580 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	252	260	264	264	273
	1%	351	360	374	396	403
Flat terrain	0	486	520	550	576	611
Downhill	-1%	594	640	693	732	780
	-2%	675	730	781	456	481

Nozzle size 2.9 + 1.8, 680 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	243	250	253	264	260
	1%	324	340	352	372	377
Flat terrain	0	441	470	495	528	559
Downhill	-1%	531	570	616	648	689
	-2%	594	650	693	744	442

Nozzle size 3.2 + 1.8, 810 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	234	240	242	252	260
	1%	297	320	330	348	351
Flat terrain	0	396	420	451	468	494
Downhill	-1%	468	500	539	576	611
	-2%	522	570	605	648	689

Nozzle size 3.5 + 1.8, 940 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	216	230	231	240	247
	1%	279	300	308	324	338
Flat terrain	0	360	380	407	432	455
Downhill	-1%	423	450	484	516	546
	-2%	468	510	550	588	624

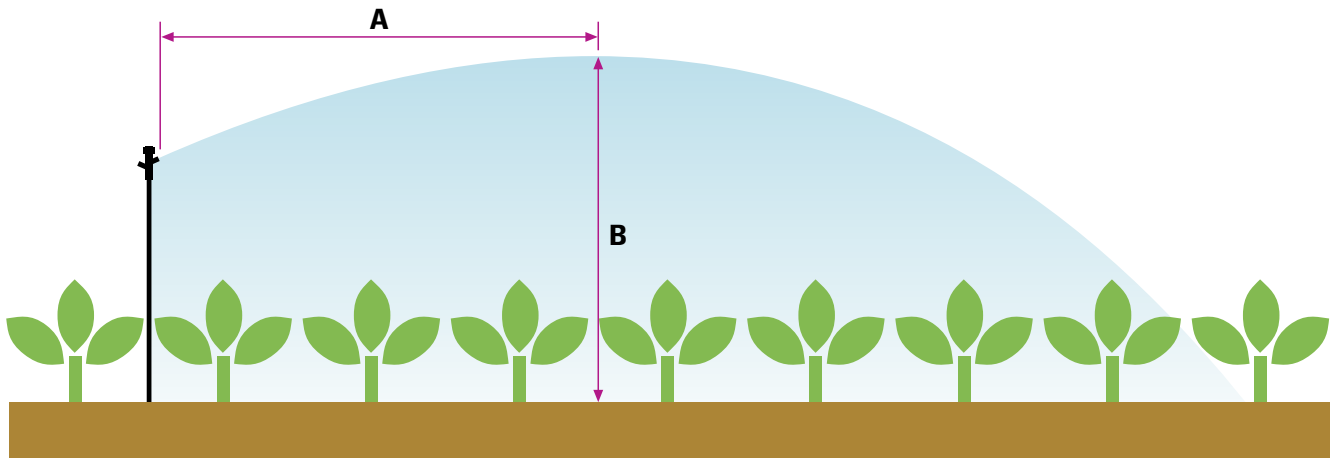
Nozzle size 3.5 + 2.5, 1135 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	207	220	220	228	234
	1%	261	270	286	300	312
Flat terrain	0	315	340	363	384	403
Downhill	-1%	369	400	429	456	481
	-2%	405	440	473	504	533

Nozzle size 4.0 + 2.5, 1275 l/h*	Slope	Distance between sprinklers (m)				
		9	10	11	12	13
		Max. lateral length (m)				
Uphill	2%	198	210	220	216	234
	1%	243	260	275	288	299
Flat terrain	0	297	320	341	360	377
Downhill	-1%	342	370	396	420	442
	-2%	378	400	440	468	494

*Nominal flow rate at 2.5 bar working pressure.

TECHNICAL DATA

Sprinkler water trajectory



A. Distance - Distance of max. trajectory height from sprinkler nozzle.

B. height - Elevation of max. trajectory height above ground.

Trajectory height above sprinkler nozzle

The maximum trajectory height above the sprinkler nozzle is relevant in the following cases:

- When sprinklers are used under the canopy to prevent wetting the foliage.
- When sprinklers are used in a net-house or inside a roofed structure such as a glasshouse, to prevent wetting the net or the ceiling.

Water trajectory angle: 24 degrees

Nozzle		Working pressure (bar)	Trajectory (m)	
Size (mm)	Color code		Height	Distance
2.3 + 1.8	Gray + lime green	2.0	1.75	6.00
		2.5	1.85	6.30
		3.0	2.00	6.60
2.5 + 1.8	Purple + lime green	2.0	1.75	6.20
		2.5	1.85	6.30
		3.0	2.00	6.60
2.9 + 1.8	Orange + lime green	2.0	1.85	6.20
		2.5	2.00	6.30
		3.0	2.10	6.60
3.2 + 1.8	Green + lime green	2.0	1.85	6.20
		2.5	2.00	6.40
		3.0	2.15	6.80
3.5 + 1.8	Blue + lime green	2.0	1.85	6.30
		2.5	2.10	6.80
		3.0	2.30	7.00
3.5 + 2.5	Blue + yellow	2.0	1.85	6.30
		2.5	2.10	7.00
		3.0	2.30	7.10
4.0 + 2.5	Black + yellow	2.0	1.85	6.40
		2.5	2.00	7.20
		3.0	2.20	7.30

Head loss in riser tube

Riser tube: OD 12.0 mm, ID 9.0 mm

Riser tube length (m)	Flow rate* (l/h)						
	510	580	680	810	940	1135	1275
	Head loss (bar)						
1.2	0.087	0.110	0.145	0.197	0.257	0.358	0.439

Riser tube: ½", ID 15.0 mm

Riser tube length (m)	Flow rate* (l/h)						
	510	580	680	810	940	1135	1275
	Head loss (bar)						
0.4	0.003	0.003	0.004	0.006	0.008	0.010	0.013
0.8	0.005	0.006	0.009	0.012	0.015	0.021	0.026
1.2	0.008	0.010	0.013	0.017	0.023	0.031	0.039

Riser tube: ¾", ID 20.5 mm

Riser tube length (m)	Flow rate* (l/h)						
	510	580	680	810	940	1135	1275
	Head loss (bar)						
0.4	0.001	0.001	0.001	0.001	0.002	0.002	0.003
0.8	0.001	0.001	0.002	0.003	0.003	0.005	0.006
1.2	0.002	0.002	0.003	0.004	0.005	0.007	0.009

*Nominal flow rate at 2.5 bar working pressure.

INSTALLATION

Introduction



CAUTION

Assembly must be done gently. Do not overtighten or use excessive force.

Tools required

- 20 mm spanner

Various installation configurations

Netafim™ sprinklers can be installed at a convenient height in different configurations, to suit the needs of various crops and field conditions.

Among the various installation options:

- **Mega Stand™** - a ½" diameter robust and durable modular sprinkler stand suitable for a variety of agriculture and mining irrigation applications.
- **IMP SPR stand™** - a ½" diameter stand, satisfactorily used by farmers all over the globe for many years. It became a classic in open field and orchard irrigation due to its durability, simplicity and versatility. It can accommodate any type of ½" sprinkler.
- **Solid set** - Netafim™ offers a comprehensive range of sockets and reducer couplings dedicated to the proper connection of sprinklers to solid-set riser pipes (PVC or other rigid pipes). Usage of these accessories ensures appropriate, safe operation and longevity of the sprinklers.

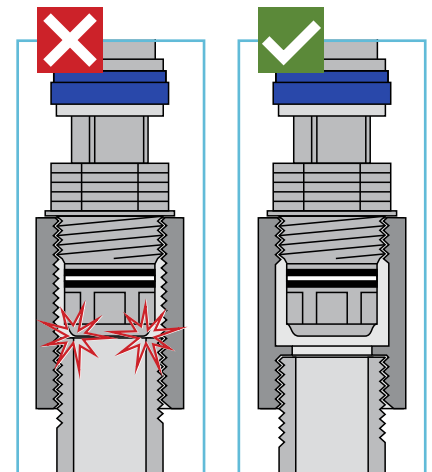


ATTENTION

When installing a Netafim™ impact hammer sprinkler (such as D-Net™) on a solid set riser pipe of the same thread size, make sure to allow clearance for the free rotation of the axel bottom nut.

If sufficient clearance is not allowed and the axel bottom nut comes in contact with any internal part of the piping, the sprinkler will not rotate.

Always use a Netafim™ dedicated socket specially designed to allow the required clearance.



See the installation manual for each one of the above installation options at <http://www.netafim.com/irrigation-products-technical-materials>

MAINTENANCE

To assure proper operation of the sprinkler, a simple inspection and maintenance procedure should be carried out regularly.

The new nozzle clip tool allows to detach and attach the D-Net 8550™ sprinkler nozzles quickly and easily.

Rinsing the nozzles

Frequency: Before the beginning of each growing season

Action:

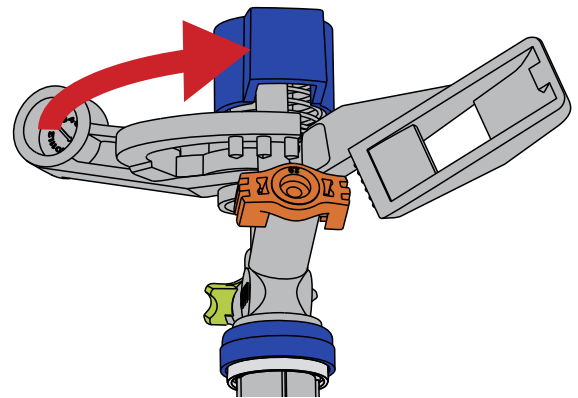
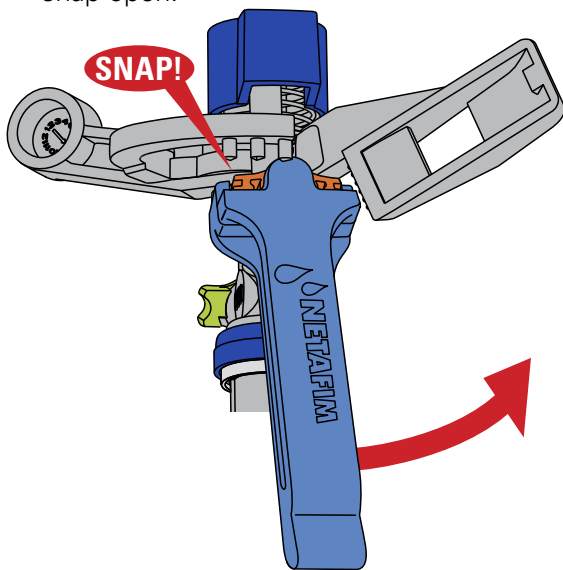
1. Detach the 2 nozzles from the sprinkler using the dedicated nozzle clip tool supplied with the sprinkler.



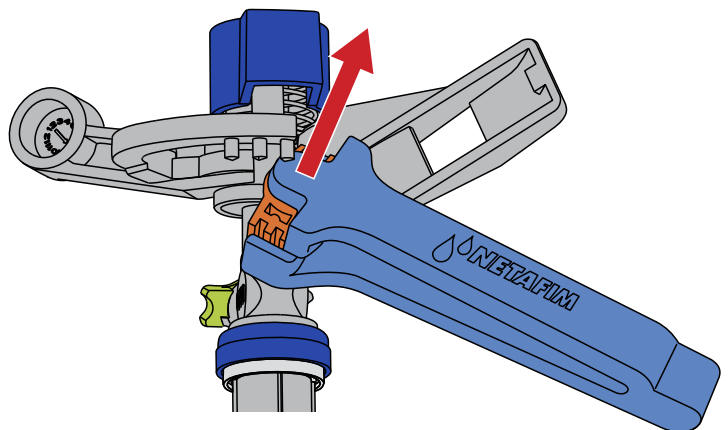
NOTE

To detach the front nozzle:
Rotate and hold the 3D arm so that it doesn't get in the way of the nozzle-opener.

- A. Place the nozzle clip tool onto the nozzle and rotate it 1/8 of a turn counterclockwise. You should feel it snap open.



- B. Pull the nozzle out with the nozzle clip tool.



NOTE

When detaching the front nozzle:
Hold the 3D arm so it doesn't get in the way.

2. Release the nozzle from the nozzle clip tool.
3. Clean each nozzle opening from the outside with a water jet or pressurized air.
4. Visually inspect the nozzles. If a nozzle looks damaged, replace it with a new one.
5. Reattach the 2 nozzles using the dedicated nozzle-opener. You should feel it snap into place.



NOTE

Make sure to place each nozzle back in its original location. The rear nozzle (lime green/yellow) should always be in the lower location.

MAINTENANCE

Checking the white washer

Frequency: Before the beginning of each growing season

Action:

1. Remove the sprinkler from the stand using a 20 mm spanner.
2. Visually inspect the white washer at the bottom of the sprinkler.

During regular operation of the sprinkler, the white washer gradually wears thinner. Its original thickness is 1.5 mm.

3. If the white washer has reached half its original thickness or less, replace it with a new one using a 16 mm spanner to open the bolt at the bottom of the sprinkler.



NOTE

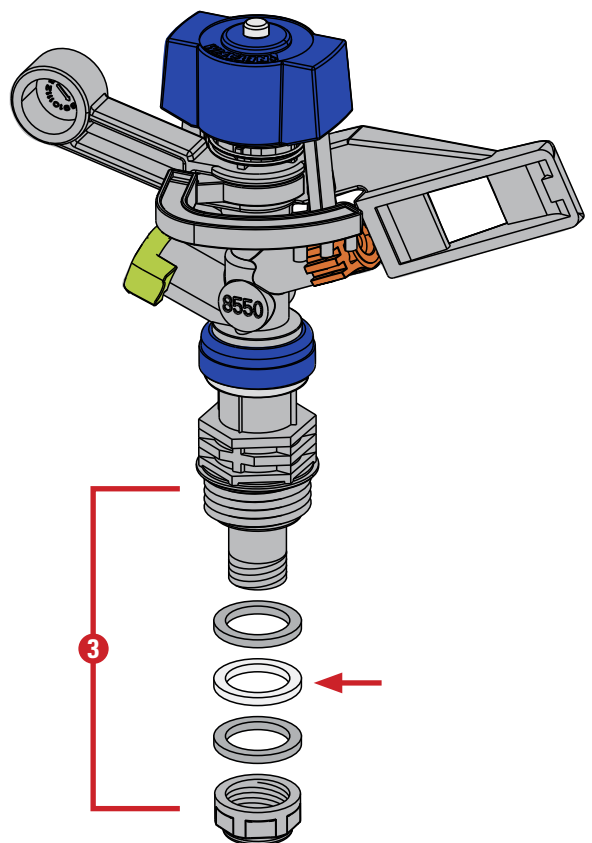
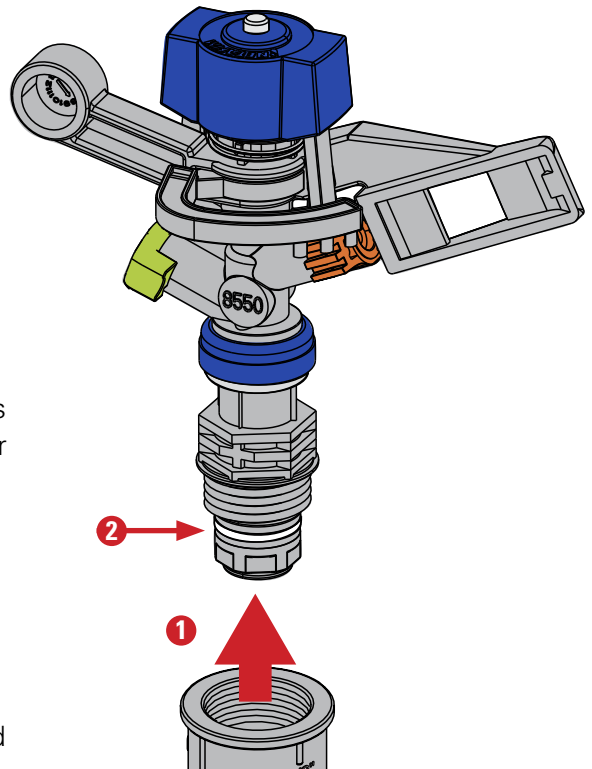
Make sure to place the white washer in between the two black washers.

4. Screw back the bolt using a 16 mm spanner.
5. Remove the old Teflon tape from the sprinkler thread and apply 3 layers of new Teflon tape to prevent leakage.
6. Re-connect the sprinkler to the stand using a 20 mm spanner.



NOTE

It is recommended to replace the white washer every 2000 irrigation hours.

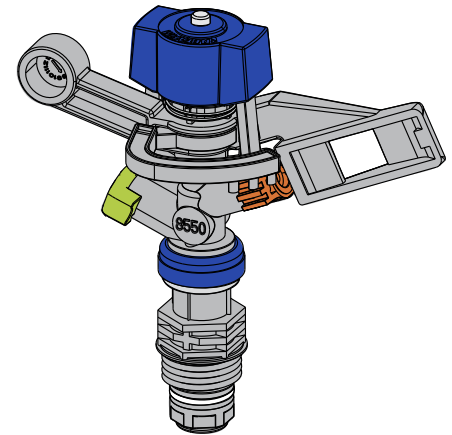


PARTS AND COMPLEMENTARY PRODUCTS

Parts

D-Net™ 8550 catalog numbers

Nozzle size (mm)	Nozzle color code	Flow rate* (l/h)	Catalog number
2.3 + 1.8	Gray + lime green	510	60100-000990
2.5 + 1.8	Purple + lime green	580	60100-001000
2.9 + 1.8	Orange + lime green	680	60100-001010
3.2 + 1.8	Green + lime green	810	60100-001030
3.5 + 1.8	Blue + lime green	940	60100-001040
3.5 + 2.5	Blue + yellow	1135	60100-001045
4.0 + 2.5	Black + yellow	1275	60100-001046



*Nominal flow rate at 2.5 bar working pressure

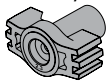
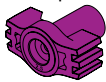


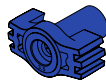
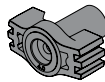
Packaging data

Model	Units p/box	Box size (cm x cm x cm)	Box weight (Kg)	Boxes p/pallet	Total units p/pallet	Pallet weight (Kg)
D-Net™ 8550	168	54 x 36 x 33	12.0	18	3024	240


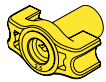
*Two nozzle clip tools are supplied with each box of 168 D-Net 8550™ sprinklers.

D-Net™ 8550 sprinkler nozzles


Front nozzles

Size (mm)	2.3	2.5	2.9	3.2	3.5	4.0
Color code	Gray 	Purple 	Orange 	Green 	Blue 	Black 
Catalog number	60100-001140	60100-001150	60100-001160	60100-001170	60100-001180	60100-001181

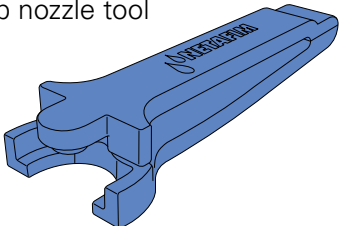
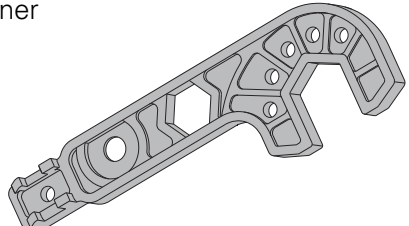
Rear nozzles

Size (mm)	2.3	2.5
Color code	Lime green 	Yellow 
Catalog number	60100-001300	60100-001310

D-Net™ 8550 washer

Product description	D-Net™ 8550 white washer 22 
Catalog number	60100-001076

Tools

Product description	D-Net™ 8550 clip nozzle tool 	D-Net spanner 
Catalog number	1 unit: 60100-001410 50 units/box: 60100-001420	60100-001075

WARRANTY

Netafim™ warrants all the components of the D-Net™ 8550 sprinkler to be free of substantial defects in material and workmanship for a period of no more than 1 (one) year from the date of purchase.

If a defect is discovered during the applicable warranty period, Netafim™ will repair or replace, at its discretion, the product or the defective part.

This warranty does not extend to repairs or replacements of a D-Net™ 8550 sprinkler or part resulting from misuse, negligence, alteration, force majeure, lightning, improper installation or improper maintenance, including any maltreatment of the D-Net™ 8550 sprinkler or any part of the irrigation systems.

If a defect arises in your Netafim™ product during the warranty period, contact your Netafim™ supplier.

Limited warranty

This warranty is subject to the terms and conditions contained in Netafim's official warranty statement in force at the time of application.

For the full text of Netafim's official warranty statement, go to:

<http://www.netafim.com/irrigation-products-technical-materials>

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