

# Hollow cone nozzles

## TR 80/TR 60



Crop production / Ground care

Dimensions in mm.

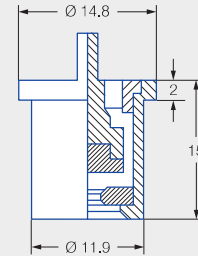
- Fine-droplet hollow cone nozzle with 60° and 80° spray angle

### TR 80 advantages

- Optimized, narrow droplet spectrum
- Fine droplets ensure high coverage
- Nozzle insert secured to prevent it falling out by means of snap closure
- Resistant to clogging due to round hole bore
- Suitable for PWM

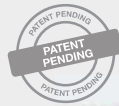


Series TR 80

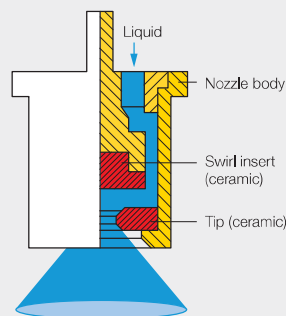
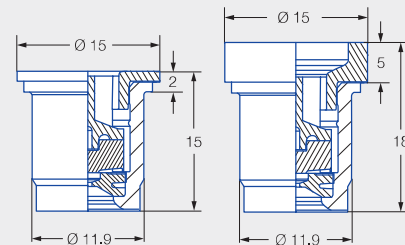


### TR 60 advantages

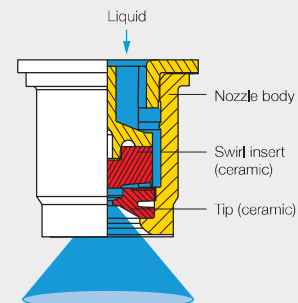
- Improved image of air flow due to spray angle of 60°
- Simple handling also with protective gloves
- Quick insert removal without tools for cleaning
- Increased stability thanks to reinforced housing
- Even more uniform spray pattern thanks to new swirl insert design
- Increased wear resistance
- Available with 2 mm and 5 mm nozzle collar
- Suitable for PWM



Series TR 60



TR 80



TR 60

### Application:

Plant protection products and growth regulators

Plant protection in viticulture, orchard and specialty crops

Backpack sprayer

Greenhouse

### Technical data:

ISO Nozzle sizes 005-05

Spray angles 60°, 80°

Material Ceramic

Pressure ranges




- TR 80: 3-8-20 bar
- TR 60: 2-8-20 bar

Recommended strainers

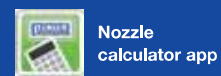
- 50/60 M 005-04
- 25/30 M 05

Droplet sizes Fine - very fine

Union nut Ø 11,9 mm

		[l/min]																			
																					
		2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	19.0	20.0		
		TR 60-005 80-005	50/60 M	0,16	0,20	0,23	0,25	0,28	0,30	0,32	0,34	0,36	0,38	0,39	0,41	0,42	0,44	0,45	0,47	0,49	0,51
		TR 60-0067 80-0067	50/60 M	0,22	0,27	0,31	0,35	0,38	0,41	0,44	0,47	0,49	0,52	0,54	0,56	0,58	0,60	0,62	0,64	0,68	0,70
		TR 60-01 80-01	50/60 M	0,32	0,39	0,45	0,51	0,55	0,60	0,64	0,68	0,72	0,75	0,78	0,82	0,85	0,88	0,91	0,93	0,99	1,01
		TR 60-015 80-015	50/60 M	0,48	0,59	0,68	0,76	0,83	0,90	0,96	1,02	1,07	1,13	1,18	1,22	1,27	1,31	1,36	1,40	1,48	1,52
		TR 60-02 80-02	50/60 M	0,65	0,80	0,92	1,03	1,13	1,22	1,30	1,38	1,45	1,53	1,60	1,67	1,73	1,79	1,85	1,90	2,01	2,07
		TR 60-025	50/60 M	0,81	0,99	1,15	1,28	1,40	1,52	1,62	1,71	1,81	1,90	1,98	2,06	2,14	2,21	2,29	2,36	2,49	2,56
		TR 60-03 80-03	50/60 M	0,97	1,19	1,37	1,53	1,68	1,81	1,94	2,06	2,17	2,28	2,38	2,48	2,57	2,66	2,75	2,83	2,99	3,07
		TR 60-04 80-04	50/60 M	1,29	1,58	1,82	2,04	2,23	2,41	2,58	2,74	2,88	3,03	3,16	3,29	3,41	3,53	3,65	3,76	3,98	4,08
		TR 60-05 80-05	25/30 M	1,61	1,97	2,28	2,55	2,79	3,01	3,22	3,42	3,60	3,77	3,94	4,10	4,26	4,41	4,55	4,69	4,96	5,09

- Operating pressure at the nozzle (measured with diaphragm valve)
- The stated liter-per-hectare rates apply to water
- Verify the table values by gauging the flow rates prior to every spraying season
- Pay attention to uniform nozzle adjustment



Nozzle calculator app

The apps for Lechler agricultural nozzles make selection and use of the optimum nozzle even easier. Find out more here: [www.lechler.com/de-en/service/apps](http://www.lechler.com/de-en/service/apps)



#### Note

TR 60 with 5 mm collar does not require a gasket for installation with/without cup strainer.

Ordering example:	Series	+ Spray angle	+ Nozzle size	+ Material	+ Collar height	= Order no.
	TR	+ 80°	+ 005	+ C (Ceramic)	+ 2 mm	= TR 80-005 C 2 mm
	TR	+ 60°	+ 005	+ C (Ceramic)	+ 2 mm	= TR 60-005 C 2 mm
	TR	+ 60°	+ 005	+ C (Ceramic)	+ 5 mm	= TR 60-005 C 5 mm