

Spray Nozzles



Lincoln spray nozzles are designed for the spraying of adhesive lubricants on pinions and open gears. The nozzles are available in several versions that cover a wide range of applications and functional features. The SDLKR series are the only nozzles that can monitor both the flow of air and lubricant within the nozzle. The economically priced SD series can be monitored externally by means of a progressive metering device and the air can be controlled with



HSA-TD2

an air solenoid valve. Complete mounting plates are available for easy alignment.



HSA-TD26

Nozzle Selection Guide & Part Numbers

Mounting Styl	Uncontrolled Nozzle	Controlled Nozzles		
		Without Monitoring	with Monitoring	
			Limit Switch (15-250 VAC)	Proximity Switch (15-250 VAC)
mounting plate	HSA-TD2	HSA-TD27	HSA-TD25	HSA-TD26
	SD part no. 615-25677-2	SDLMNR part no. 615-27519-2	SDLMKR-ES part no. 615-27518-2	SDLMKR-EN part no. 615-27571-2
single mounted nozzle (for brackets)	HSA-TD2	HSA-TD30	HSA-TD28	HSA-TD29
	SD part no. 615-25677-2	SDLHNR-G part no. 615-27583-2	SDLHKR-ESG part no. 615-27585-2	SDLHKR-ENG part no. 615-27586-2

Technical Data

lubricant output	0.2 – 20 cm ³ (0.0122 – 1.22 in ³) per minute		
spray surface coverage	approx. 150 mm (6.0 in) wide and 80 mm (3.3 in) high		
mounting distance	150 – 200 mm (6 – 8 in) from nozzle to application point		
air pressure	uncontrolled nozzle: 3 bar (43 psi), controlled nozzle: 6 bar (87 psi)		
air requirement	approx. 200 NI/min (free air) for uncontrolled nozzle max. 40 NI/min (free air) for controlled nozzle		
operating pressure	max. 200 bar (2900 psi) for uncontrolled nozzle max. 120 bar (1740 psi) for controlled nozzle		
connections HSA-TD25, 26, 27	air:	G 1/4 female (BSPP)	
	lubricant:	G 1/4 female (BSPP)	
	fastening:	M 12	
connections HSA-TD2, 28, 29, 30	air:	8 mm tubing or hose stud	
	lubricant:	6 mm tubing or hose stud	
	fastening:	8.5 mm dia.	

Note: Air inlet is marked as "L" and lubricant inlet is marked as "S".
Tightening torque for controlled nozzles = 20 Nm, electric monitoring signal = 20 ms.

Dimensions

Model	Height	Length	Depth
nozzle SD	50 mm (2.0 in)	87 mm (3.4 in)	20 mm (0.8 in)
nozzle SDLMKR-EN	110 mm (4.3 in)	140 mm (5.5 in)	45 mm (1.8 in)
nozzle SDLMKR-ES	110 mm (4.3 in)	185 mm (7.3 in)	45 mm (1.8 in)
nozzle SDLMNR	110 mm (4.3 in)	140 mm (5.5 in)	45 mm (1.8 in)