

GD (STRAIGHT JET NOZZLES)

GDA SERIES NEEDLE JET NOZZLES

GDA models are classic high impact needle jet nozzles, easy to clean and clog-resistant. Their tips spray a solid stream of high pressure water inside pipes usually containing a steel brush that can be manually or automatically rotated. The rotating brush moving inside the pipe takes all the dirt off the inner walls and then flushes out the debris through an escape valve. For their revolutionary design, GDA nozzles are ideal for high pressure cleaning in paper mills and in all industrial processes requiring a high impact needle spray jet. Their resistance to clogging ensures greater productivity and low servicing costs.

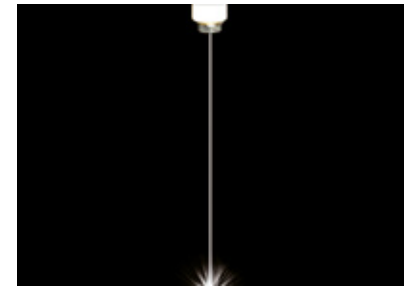
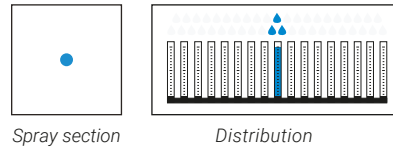
THREAD SPECIFICATION:

BSPT, 9/16-24 UNEF

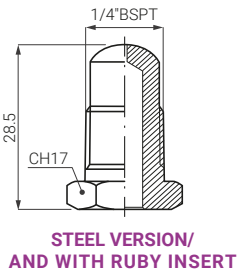
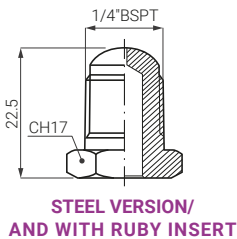
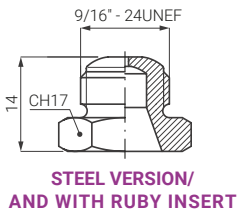
TYPICAL APPLICATIONS

Washing: filter cloth washing, woolen blanket washing, parts washing

Other applications: scrape paint, rust removal



GDA needle jet nozzles are made of **stainless steel** and **stainless steel + ruby**, suitable to work with operating pressures between 10 and 20 bar. They are precisely machined and have a hydrodynamic design to produce a solid stream needle jet. The insert ruby version ensures a long service life and a high resistance to wear.

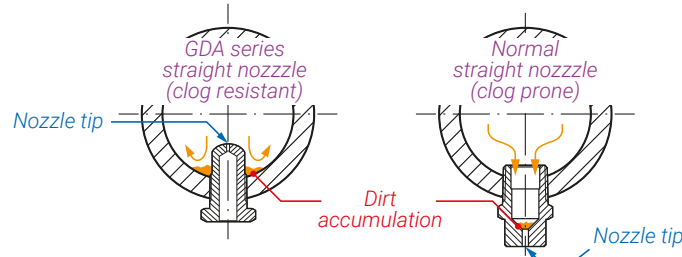


Nozzle type		CODE	D ruby mm	D steel mm	Flow rate at different pressure values (l/min) (bar)								
Stainless steel	Ruby insert				3.0	5.0	10	20	30	50	70	100	150
•	•	GDA 0380 xx xy	0.381	0.38	0.12	0.15	0.22	0.31	0.36	0.47	0.55	0.66	0.81
•	•	GDA 0500 xx xy	0.508	0.50	0.20	0.25	0.35	0.52	0.64	0.82	0.97	1.16	1.43
•	•	GDA 0630 xx xy	0.635	0.64	0.32	0.41	0.58	0.83	1.01	1.31	1.55	1.85	2.26
•	•	GDA 0740 xx xy	0.737	0.74	0.42	0.54	0.77	1.08	1.33	1.71	2.03	2.42	2.97
•	•	GDA 0810 xx xy	0.813	0.81	0.50	0.65	0.91	1.29	1.58	2.04	2.42	2.89	3.54
•	•	GDA 0910 xx xy	0.914	0.91	0.64	0.84	1.18	1.67	2.05	2.65	3.14	3.75	4.59
•	•	GDA 1010 xx xy	1.016	1.00	0.89	1.15	1.62	2.30	2.71	3.26	3.86	4.62	5.62
•	•	GDA 1120 xx xy	1.118	1.10	0.95	1.22	1.73	2.45	3.00	3.87	4.58	5.48	6.71
•	•	GDA 1170 xx xy	1.168	1.17	1.10	1.40	2.00	2.80	3.40	4.38	5.19	6.20	7.60
•	•	GDA 1270 xx xy	1.270	1.27	1.26	1.63	2.31	3.26	4.00	5.17	6.11	7.30	8.95
•	•	GDA 1450 xx xy	1.448	1.45	1.65	2.13	3.01	4.26	5.21	6.74	7.97	9.52	11.66
•	•	GDA 1850 xx xy	1.854	1.85	2.70	3.46	4.90	6.93	8.49	10.96	12.97	15.50	18.98

The flow rates between metal nozzles and those with ruby insert may differ for the different finishing applied to the orifice. A tolerance on the orifice diameter of $\pm 0,03$ mm shall be applied to steel nozzles. A tolerance on the orifice diameter of $\pm 0,01$ mm shall be applied to ruby nozzles.

COMPLETE NOZZLE CODE	
x = Body length	y = Thread
A = 14.0 mm	G = 1/4" BSPP (A version)
B = 28.5 mm	B = 1/4" BSPT (B/C versions)
C = 22.5 mm	N = 1/4" NPT (B/C versions)
	U = 9/16-24 UNEF (A/C versions)

GD nozzles are installed with their spray tips inside the pipe that spray in high pressure fluids producing turbulence to remove all dirt off the inner pipe walls. Used in combination with self-cleaning pipes, these nozzles assure complete cleaning, productivity improvement, minimal maintenance.



HOW TO MAKE UP THE NOZZLE CODE
EX.: GDA 0120 B1AA

