

DESIGN RDM 300

- Designed for **mechanical deployment**
- Low rotational speed
- Stainless steel housing
- Dust tight, encapsulated eddy current brake
- Cooling sleeve
- Wear resistant rotary action with labyrinth seal
- Axial nozzle arrangement. Nozzle can be arranged radially for pipe cleaning
- Protective cover (against blast back) optional



Typical applications

- Cleaning pipes, boilers, furnaces
- Roughening concrete surfaces

Connection thread	Code no.
M 24 x 1.5	09.00530.2041
M 36 x 2	09.00530.2040
M 36 x 2	09.00530.2047

Technical data

	.2041	.2040	.2047
Operating pressure max.:	1000 bar		
Flow rate max.:	180 l/min.		
Pressure loss at 60 l/min.:	5 bar		
Pump power:	70 - 300 kW		
Speed of rotation:	50 - 250 min ⁻¹		

Weight approx.:	8.2 kg	10.5 kg
Length:	239 mm	328 mm
Diameter:	90 mm	
Connection A/F:	41 mm	
Connection threads:	see left	
No. of nozzles:	4	6

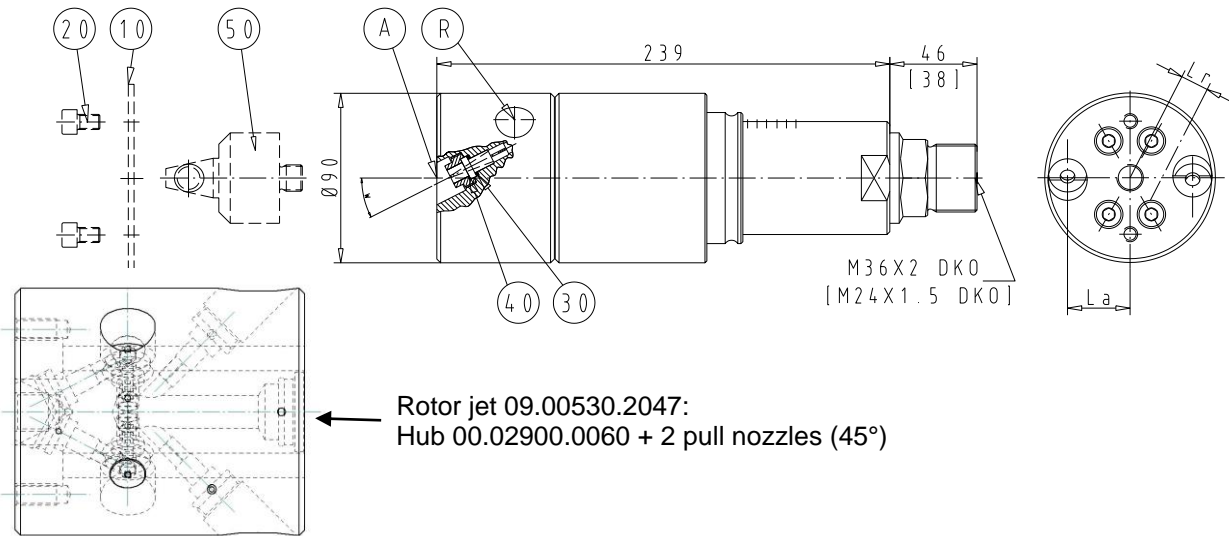
For nozzle inserts see reverse.

Optional:

Description	Code no.
Sledge (suitable for internal diameters from 125 to 500 mm)	00.01355.0005

ROTORJETS ACCESSORIES FOR DESIGN RDM 300

13.B.10 – 10/16



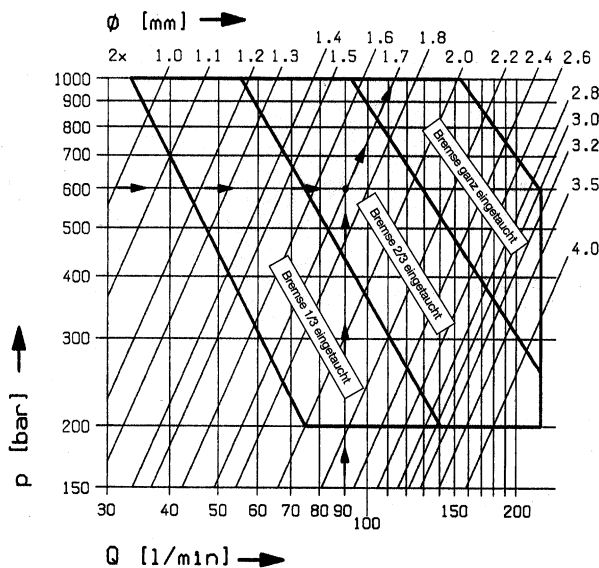
W Nozzle angle	L Nozzle offset (mm)	A	R
27°	33	axial	
90°	15		radial

Item no.	Description	Code no.
10	Protection cover	01.04397.0004
20	Screw	02.00830.0004
30	O-ring	04.00730.0033
40	Nozzle inserts	04.05318.0xxx
50	Pulling mechanism	00.06048.0010*

* to be used solely with radial nozzles.
(see "R" above)

Nozzle insert: Design "A", Round jet efficiency factor: 0.95							
Code no. 04.05318.0xxx xxx = see table for last 3 digits of code no.							
Ø (mm)	xxx	Ø (mm)	xxx	Ø (mm)	xxx	Ø (mm)	xxx
1,0	075	1,8	022	2,6	086	3,4	094
1,1	076	1,9	082	2,7	087	3,5	095
1,2	077	2,0	023	2,8	088	3,6	096
1,3	078	2,1	083	2,9	089	3,7	097
1,4	079	2,2	026	3,0	090	3,8	098
1,5	025	2,3	084	3,1	091	3,9	099
1,6	080	2,4	027	3,2	092	4,0	100
1,7	081	2,5	085	3,3	093		

Nozzle insert selection and optimum performance range



Example

Parameters:

Operating pressure: 600 bar
Flow rate: 90 l/min
Select:
Correct nozzle Ø: 2 x 1.7 mm
Brake 2/3 engaged

Ø = Nozzle insert dia.
p = Operating pressure
Q = Flow rate
(without leakage)

Do not exceed right side limit
of performance range:
Danger of overpowering!



For safety rules governing
reaction force, see previous
page!

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