

DESIGN RD 400

- For use with high pressure spray guns SP 1000, SP 1000 ME and high pressure lances.
After changing the lance it is also useable for SP 400.
- Dust tight, encapsulated eddy current brake.
- Cooling sleeve
- Wear resistant rotary action with labyrinth seal.
- Hollow shaft precisely supported by bearings.
- Nozzle inserts recessed in nozzle head
- With protective cover.
- Hose connecting nipple (code no. 01.02981.0454) connection $\frac{3}{8}$ " to M 24 x 1,5



Typical applications

- Cleaning facades, removing old paint.
- Cleaning concrete, floor tiles and paving.
- Cleaning heat exchanger externals.
- External cleaning of construction equipment and tracked vehicles.
- Cleaning mining machinery and equipment.

Technical data

Operating pressure max.:	400 bar
Flow rate max.:	80 l/min
Pressure loss at 25 l/min:	5 bar
Pump power:	22 -70 kW
Speed rotation:	500 - 2000 min ⁻¹
Diameter:	60 mm
Connection A/F:	24 mm
Connection thread:	G $\frac{3}{8}$ "
No. of nozzles:	2
Length:	168 mm
Weight approx.:	1.6 kg

For nozzle inserts see reverse.

Code no.

09.00530.2523



When working with hand held guns or lances the max. permissible axial reaction force is 250 N.

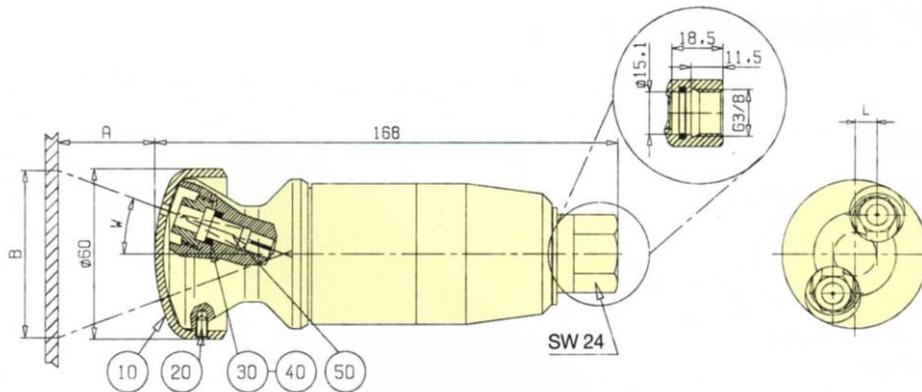
If the reaction force exceeds 150 N, the blasting tool must be fitted with a support device such as a shoulder stock.

HAMMELMANN®

ROTORJETS

ACCESSORIES FOR DESIGN RD 400

13.A.2 – 11/19



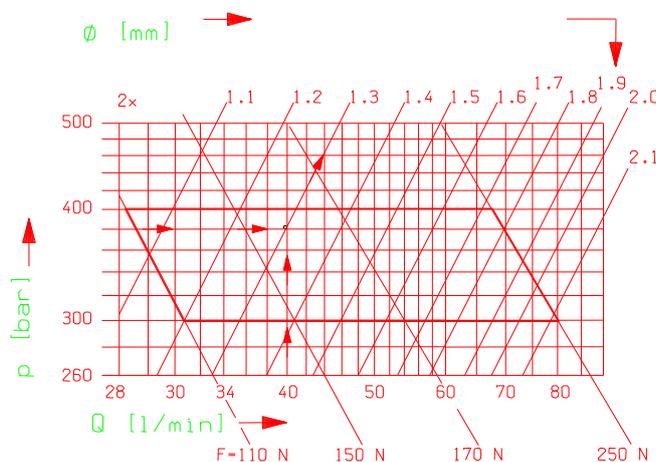
W Nozzle angle	L Nozzle offset (mm)	A Stand off distance (mm)	B Working width (mm)
27°	8	15	55
		45	85
		95	140

Item no.	Nozzle inserts: Design "A", Round jet efficiency factor: 0.95					
	Code no. 04.05318.0xxx xxx = see table for last 3 digits of code no.					
50	Ø (mm)	xxx	Ø (mm)	xxx	Ø (mm)	xxx
	1.0	075	1.3	078	1.6	080
	1.1	076	1.4	079		
	1.2	077	1.5	025		

Item no.	Qty.	Description	Code no. per single item
10	1	Protect. cover	01.01894.0021
20	3	Set screw	02.00894.0107
30	2	O-ring	04.00730.0033
40	2	Support ring	04.00738.0405

Example: Nozzle insert design "A", Ø 1.0 mm
= Code no. 04.05318.0075

Nozzle insert selection and optimum performance range



Example

Parameters

Operating pressure: 380 bar
Flow rate: 40 l/min

Select

Correct nozzle Ø: 2 x 1.3 mm
Rotorjet with W = 27°

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



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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