

# RD MASTERJETS PC1 Low Flow

## 4 NOZZLE DESIGN

13.A.29 – 11/19

### RD MASTERJETS PC1 Low Flow - 3200 bar

RD MASTERJET 3200 PC1 Low Flow		
Code no.		Code no.
00.00786.0334		00.00786.0316
HP connection:	M 14 x 1.5 LH	9/16" – 18 UNF LH
	(60° metallic seal cone)	
Operating pressure:	max. 3200 bar	
	min. 500 bar	
Flow rate:	max. 50 l/min	
Leakage:	approx. 0.2 - 0.6 l/min	
Length:	192 mm	
Diameter:	57 mm	
Brake:	adjustable magnetic brake (variable speed)	
Sealing:	HPS - 3200 bar - i/d 3.2 mm (industrial design)	
Reaction forces:	<b>60 - 90 N</b> [see nozzle table]	
Rotation speed:	approx. 1000 - 3500 min <sup>-1</sup> at 90 N reaction force	} 3-stage adjustable via eddy current brake
	approx. 800 - 2500 min <sup>-1</sup> at 60 N reaction force	
Nozzle hub:	<b>4/2 nozzles</b> <b>(2 or 4 nozzles design P/T)</b>	
Nozzle inserts:	Nozzle design "P" (sapphire), max. 3000 bar Nozzle design "T" (diamond), max. 3200 bar Thread M10  (not part of the assembly)	
Plug:	01.05214.0045 (not part of the assembly)	
Protective cap:	standard design	
Spare parts kit:	00.05617.0028	
Adapter for SP 1000:	01.05320.0256 max. 1000 bar, 3/8"	---
Weight:	1.0 kg (without protective cap pos. 110)	
Total weight:	1.35 kg	

**HAMMELMANN®**

# RD MASTERJETS PC1 LOW FLOW 4 NOZZLE DESIGN

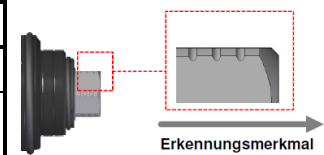
## Nozzle table

### RD MASTERJETS PC1 Low FLOW - 3200 BAR

Pressure	2 nozzles design "P"	Flow rate	Reaction force
3000	2 x 0.35 mm	7 l/min	80 N
2500	2 x 0.40 mm	8 l/min	90 N
2000	2 x 0.45 mm	9 l/min	90 N
1500	2 x 0.50 mm	9.5 l/min	80 N

**3200 bar**  
Identifying feature HPS  
[3 grooves at key flat]

Pressure	4 nozzles design "P"	Flow rate	Reaction force
3000	4 x 0.25 mm	7 l/min	90 N
2500	2 x 0.30 mm	7.5 l/min	80 N
	2 x 0.25 mm		
2000	4 x 0.30 mm	8 l/min	80 N
1500	4 x 0.35 mm	9.5 l/min	80 N



**If the nozzle inserts chosen are not suitable and cause a too high rotational speed of the nozzle hub, the rotorjet may suffer irreparable damage.**