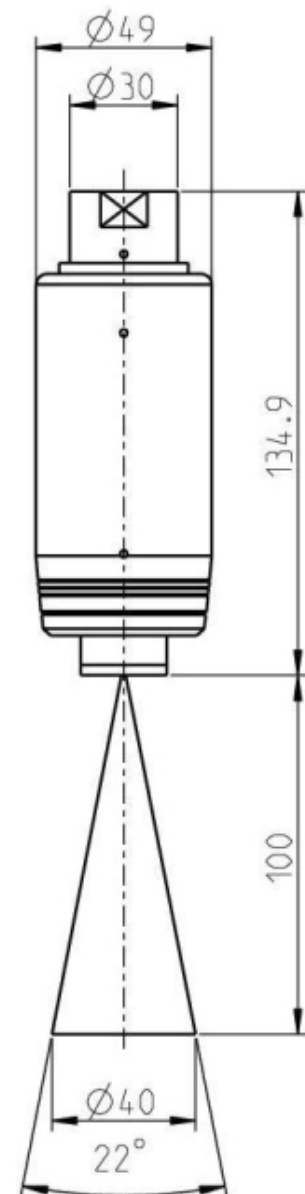


Orbital nozzle Mono-Jet F25

MONRO-JET® nozzles combine the high power of the spot jet with the large area output of the flat jet. They can be used with all approved high-pressure fittings and can be mounted on all commercially available lances. The F25 model can be used up to an operating pressure of 2500 bar, and two different connection thread types are available. Thanks to their compact design, **MONRO-JET®** nozzles can be used in both building construction and civil engineering for surface treatment and cleaning.

Features and advantages

- No seizing of the threads thanks to additional coating
- Easier installation and removal thanks to HD high-pressure screw connection
- Several times higher cleaning performance
- Consistent blasting quality
- Lightweight, robust and reliable
- Swiss quality



Applications

MVT AG is a Swiss supplier of high-quality and precise components and systems for the industrial sector.

- Surface cleaning
- Deburring and cleaning of cast parts
- Offshore applications
- Shipbuilding
- Surface treatment
- Concrete removal
- Removal of bitumen layers

Connection thread	ART. NO. (1)
M14x1.5 LH HP	32081._ _
9/16"-18 UNF LH HP	32080._ _

Specifications



Operating pressure (bar)
max.

2500



Operating temperature (°C)
max.

100



Rotor Ø (mm)

from 0.60 to 1.55

ART. NO.	Rotor Ø	DRIVE PIPE Ø	NUMBE R OF BORES	PRESSURE in psi / bar						
				psi1450 0	psi1812 5	psi2175 0	psi2537 5	psi2900 0	psi3262 5	psi3625 0
				bar1000	bar1250	bar1500	bar1750	bar2000	bar2250	bar2500
FLOW RATE in l/min										
32081.0600	0.60	0.60	2	6.330	7.049	7.691	8.276	8.815	9.316	9.786
32081.0650	0.65	0.65	2	7.341	8.175	8.920	9.598	10.223	10.805	11.349
32081.0700	0.70	0.70	2	7.501	8.352	9.114	9.807	10.445	11.039	11.596
32081.0750	0.75	0.70	2	8.261	9.264	10.109	10.877	11.585	12.244	12.862
32081.0800	0.80	0.70	2	10.326	11.499	12.547	13.501	14.380	15.198	15.964
32081.0850	0.85	0.80	2	11.209	12.482	13.620	14.655	15.609	16.497	17.329
32081.0900	0.90	1.00	2	13.907	15.486	16.898	18.183	19.366	20.467	21.499
32081.0950	0.95	1.00	2	15.028	16.735	18.261	19.649	20.928	22.118	23.233
32081.1000	1.00	1.20	2	17.169	19.119	20.862	22.448	23.909	25.268	26.542
32081.1050	1.05	1.20	2	19.020	21.180	23.111	24.868	26.487	27.993	29.404
32081.1100	1.10	1.40	2	21.550	23.997	26.185	28.176	30.011	31.717	33.316
32081.1150	1.15	1.40	2	22.979	25.589	27.922	30.045	32.001	33.820	35.525
32081.1200	1.20	1.80	2	26.451	29.455	32.140	34.584	36.835	38.929	40.892

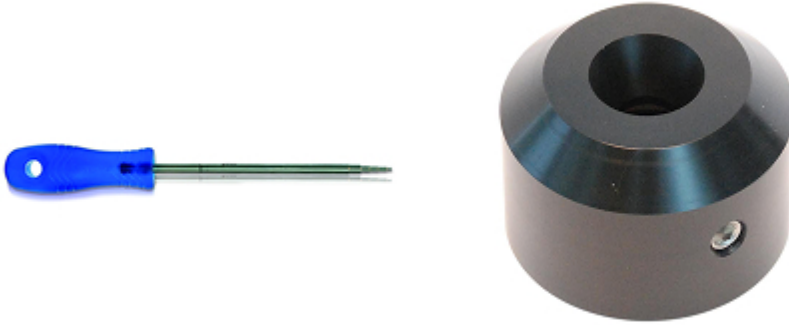
ART. NO.	Rotor Ø	DRIVE PIPE Ø	NUMBE R OF BORES	PRESSURE in psi / bar						
				psi1450 0	psi1812 5	psi2175 0	psi2537 5	psi2900 0	psi3262 5	psi3625 0
				bar1000	bar1250	bar1500	bar1750	bar2000	bar2250	bar2500
				FLOW RATE in l/min						
32081.1250	1.25	1.80	2	28.733	31.996	34.913	37.568	40.014	42.289	44.421
32081.1300	1.30	2.40	2	32.406	36.086	39.377	42.370	45.129	47.694	50.099
32081.1350	1.35	2.40	2	34.495	38.412	41.914	45.101	48.037	50.768	53.328
32081.1400	1.40	2.40	2	37.097	41.310	45.076	48.503	51.661	54.598	57.351
32081.1450	1.45	2.60	2	40.229	44.798	48.882	52.598	56.023	59.208	62.193
32081.1500	1.50	2.60	2	42.819	47.681	52.028	55.984	59.629	63.019	66.196
32081.1550	1.55	2.80	2	45.970	51.190	55.857	60.103	64.016	67.656	71.067
32080.0600	0.60	0.60	2	6.330	7.049	7.691	8.276	8.815	9.316	9.786
32080.0650	0.65	0.65	2	7.341	8.175	8.920	9.598	10.223	10.805	11.349
32080.0700	0.70	0.70	2	7.501	8.352	9.114	9.807	10.445	11.039	11.596
32080.0750	0.75	0.70	2	8.261	9.264	10.109	10.877	11.585	12.244	12.862
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32080.1500	1.50	2.60	2	42.819	47.681	52.028	55.984	59.629	63.019	66.196
32080.1550	1.55	2.80	2	45.970	51.190	55.857	60.103	64.016	67.656	71.067

Instruction

	< 150 N
	< 250 N
	> 250 N

When using high-pressure spray guns and lances manually, the recoil force to be absorbed in the longitudinal axis of the spraying device must not exceed 250N! If the recoil force exceeds 150N, a body support must be used!

Accessories



Assembly tool

Art. No. 10269

Plastic protective cap

Art. No. 31857

FAQ

1. What is the MONRO-JET® F25 and what is it used for?

The MONRO-JET® F25 is a high-performance orbital nozzle for ultra-high pressure applications up to 2,500 bar. It combines the extreme impact force of a point jet with the surface performance of a flat jet and therefore enables a very high removal and cleaning performance. Typical areas of application are surface cleaning, deburring and cleaning of cast parts, offshore applications, shipbuilding, surface treatment, concrete removal and the removal of bitumen layers.

2. What are the technical specifications of the MONRO-JET® F25?

The most important performance data at a glance:

- **Max. operating pressure:** 2,500 bar
- **Max. Operating temperature:** 100 °C
- **Rotor diameter:** 0.60 mm to 1.55 mm
- **Bores:** 2
- **Flow rate:** approx. 6.33 to 71.07 l/min (at 1,000-2,500 bar, depending on version)

The F25 covers a wide pressure and performance range and is particularly suitable for demanding industrial applications in building construction and civil engineering.

3. Which connection threads are available for the F25?

The MONRO-JET® F25 is available with two high-pressure connection threads (LH HP):

- **M14x1.5 LH HP**
- **9/16"-18 UNF LH HP**

Thanks to the high-pressure connection HD, safe, simple and quick installation is guaranteed - compatible with standard lances in the high-pressure range.

4. What special advantages does the MONRO-JET® F25 offer?

The F25 was specially developed for the ultra-high pressure range and offers additional advantages:

- No thread seizure thanks to special coating
- Easier installation and removal thanks to HD high-pressure screw connection
- Several times higher cleaning performance
- Consistent jet quality
- Lightweight, robust and reliable
- Swiss Quality

The robust design ensures a long service life even under extreme pressure conditions.

5. What should I bear in mind when using the MONRO-JET® F25 manually?

When used manually with high-pressure spray guns and lances, the recoil force to be absorbed in the longitudinal axis must not exceed 250 N. If the recoil force exceeds 150 N, a suitable body support must be used.

Suitable components are available for maintenance and service:

- **Nozzle body F25 BLACK EDITION** (Art. No. 12922)
- **Assembly tool** (art. no. 10269)
- **Plastic protective cap** (item no. 31857)