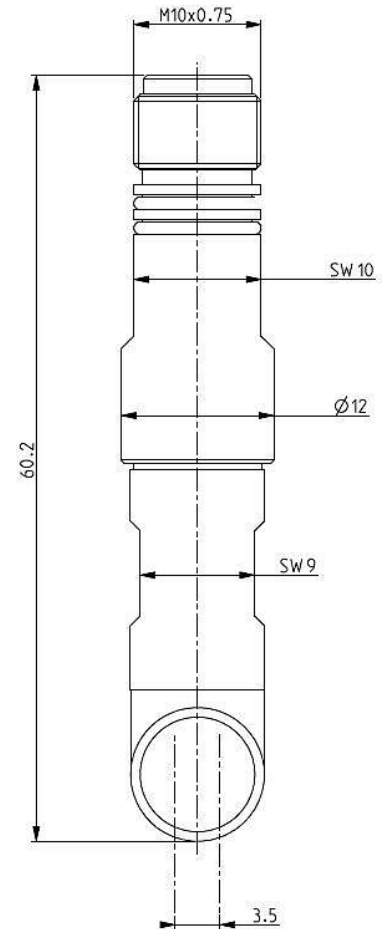


Ruby nozzle 6440

The high-performance nozzles for paper cutting from mvt AG are characterized by their service life, efficiency and quality. The extensive range of nozzles offers the right type for most commercially available paper cutting systems. The ruby insert used in particular guarantees a long service life and consistent jet quality. The type 6440 can be rotated.

Features and advantages

- Long service life
- Constant jet quality
- Highly focused water jet
- Point jet with high energy density
- Easier installation and removal thanks to HD high-pressure screw connection
- Good price-performance ratio
- Swiss Quality
- Rotatable nozzle head



Applications

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

- Pulp and paper industry
- Industrial cleaning
- Corrugated board

Connection thread	ART. NO. (1)	Number of beams
M10x0.75	33195._ _	2

Specifications



**Operating pressure (bar)
max.**

150



**Operating temperature (°C)
max.**

100



Tightening torque (Nm)

max. 10

ART. NO.	NOZZLE SIZE in US Gal/ min at 40 psi	NOZZL ES Ød mm	Numbe r of jets	PRESSURE in psi / bar							
				psi116 0	psi130 5	psi145 0	psi159 5	psi174 0	psi188 5	psi203 0	psi217 5
				bar80	bar90	bar100	bar110	bar120	bar130	bar140	bar150
				FLOW RATE in l/min							
33195.0350	0024	0.35	2	0.990	1.050	1.106	1.160	1.212	1.262	1.308	1.354
33195.0400	0031	0.40	2	1.294	1.372	1.446	1.516	1.582	1.648	1.710	1.768
33195.0450	0040	0.45	2	1.636	1.736	1.830	1.918	2.004	2.084	2.164	2.238
33195.0500	0049	0.50	2	2.020	2.144	2.258	2.368	2.474	2.574	2.670	2.764
33195.0550	0059	0.55	2	2.446	2.594	2.732	2.866	2.992	3.114	3.232	3.344
33195.0600	0071	0.60	2	2.910	3.086	3.252	3.410	3.562	3.706	3.846	3.980

FAQ

1. What is the Ruby nozzle 6440 used for?

The 6440 ruby nozzle is mainly used in the pulp and paper industry for precise waterjet applications. It is particularly suitable for cutting paper, applications in corrugated board production and for various industrial cleaning processes.

2. What is the advantage of the rotating nozzle head of the Ruby nozzle 6440?

The rotatable nozzle head enables flexible and precise alignment of the water jet. This allows the jet to be optimally adjusted to the respective application, which improves the efficiency and accuracy of the cutting process.

3. What are the advantages of the ruby insert in the 6440 ruby nozzle?

The integrated ruby insert ensures high wear resistance and a consistently stable jet quality. As a result, the water jet remains highly focused and achieves a high energy density, which is particularly advantageous for precise cutting processes.

4. What are the technical operating conditions for the Ruby nozzle 6440?

The Ruby nozzle 6440 is designed for a maximum operating pressure of **80 bar** and a maximum operating temperature of **150 °C**. The maximum **tightening torque is 10 Nm** to ensure safe installation.

5. Why is the Ruby nozzle 6440 easy to install and maintain?

Thanks to the **HD high-pressure screw connection**, the nozzle can be installed or replaced quickly and safely. This reduces maintenance times and makes it easier to use in existing systems.