

WATER JET CUTTING

MVT launched the first auto-aligned abrasive cutting head back in 1993. This innovative concept, combines a limited number of assembled components with precision machining. Although it inspired other companies to copy the idea, is still abrasiv head of the field in terms of price/performance ratio.

The MVT abrasive head keeps the water jet and the focusing nozzle constantly aligned without the need for any further adjustment. When the focusing nozzle or mixing chamber plus integrated sapphire nozzle is changed, no readjustment is necessary yet the jet remains perfectly aligned – benefits much appreciated in a production environment.

The original design and geometry of the mixing chamber for the MVT cutting head ensure optimal cutting performance und is intended for pressures of up to 4000 bar. This head can be mounted on every current make of machine – and that includes yours!

PROPERTIES AND ADVANTAGES

- ▶ User-friendly
- ▶ Reliable
- ▶ Efficiently
- ▶ Precise
- ▶ Uses less abrasive
- ▶ Shortens focusing nozzle changeover times
- ▶ Excellent price/performance ratio
- ▶ Ever-growing number of satisfied users

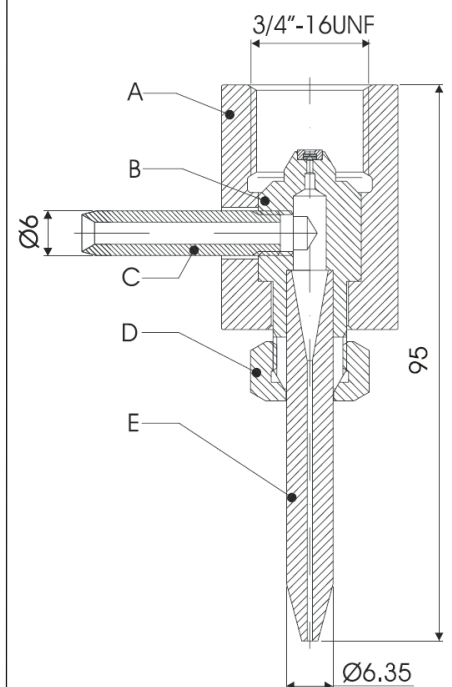
APPLICATIONS

metal, titanium, aluminium, stone, marble, granite, ceramics, reinforce concrete, plaster, rock wool, laminated glass, safety glass, bullet-proof glass, wood, plastics, composites, automotive and aircraft parts, etc

Abrasive cutting heads Type 540

Max. 4000 bar

Without focusing tube



Abrasive cutting heads Type 540

Order. no. 540.01.00

Delivery

| | Article | Order. no. |
|---|-----------------|-----------------|
| 1 | Nozzle-holder | 540.01.01 |
| 1 | Mixing chamber | Type 700 Ø 0.25 |
| 1 | Abrasive unions | 660.01.00 |
| 1 | Nut | 640.01.00 |

| Nozzles Ø mm | | | | | | |
|--------------|------|------|------|------|------|------|
| 0.25 | 0.28 | 0.30 | 0.33 | 0.35 | 0.40 | 0.45 |

SPARE PARTS

| A | B | C | D | E |
|-----------------------------|------------------------------|-------------------------------|-------------------|-----------------------------|
| Nozzle-holder Order. no. | Mixing chamber Order. no. | Abrasive unions Order. no. | Nut Order. no. | Focusing tube Order. no. |
| 540.01.01 | Type 700 - Ø 0.25 | 660.01.00 | 640.01.00 | Duralife D |

Other jet diameters: See under Mixing chamber type 700
Other focusing tube: See under focusing tube - Duralife D

WATER JET CUTTING

MVT launched the first auto-aligned abrasive cutting head back in 1993. This innovative concept, combines a limited number of assembled components with precision machining. Although it inspired other companies to copy the idea, is still abrasiv head of the field in terms of price/performance ratio.

The MVT abrasive head keeps the water jet and the focusing nozzle constantly aligned without the need for any further adjustment. When the focusing nozzle or mixing chamber plus integrated sapphire nozzle is changed, no readjustment is necessary yet the jet remains perfectly aligned – benefits much appreciated in a production environment.

The original design and geometry of the mixing chamber for the MVT cutting head ensure optimal cutting performance und is intended for pressures of up to 4000 bar. This head can be mounted on every current make of machine – and that includes yours!

PROPERTIES AND ADVANTAGES

- ▶ User-friendly
- ▶ Reliable
- ▶ Efficiently
- ▶ Precise
- ▶ Uses less abrasive
- ▶ Shortens focusing nozzle changeover times
- ▶ Excellent price/performance ratio
- ▶ Ever-growing number of satisfied users

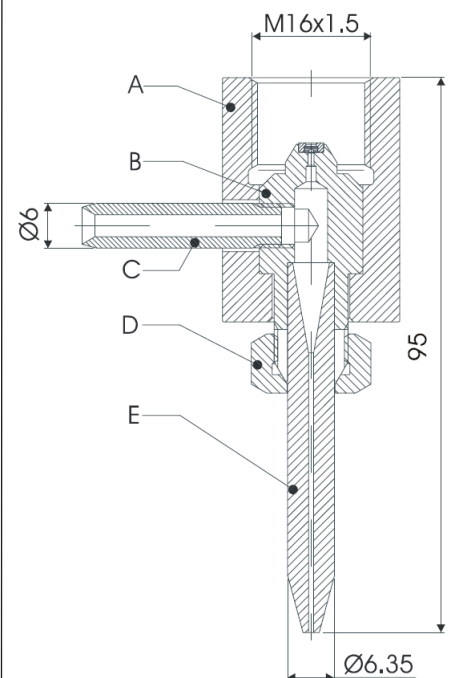
APPLICATIONS

metal, titanium, aluminium, stone, marble, granite, ceramics, reinforce concrete, plaster, rock wool, laminated glass, safety glass, bullet-proof glass, wood, plastics, composites, automotive and aircraft parts, etc

Abrasive cutting heads Type 541

Max. 4000 bar

Without focusing tube



Abrasive cutting heads Type 541

Order. no. 541.01.00

Delivery

| Stk. | Article | Order. no. |
|------|-----------------|----------------|
| 1 | Nozzle-holder | 541.01.01 |
| 1 | Mixing chamber | Typ 700 Ø 0.25 |
| 1 | Abrasive unions | 660.01.00 |
| 1 | Nut | 640.01.00 |

| Nozzles Ø mm | | | | | | |
|--------------|------|------|------|------|------|------|
| 0.25 | 0.28 | 0.30 | 0.33 | 0.35 | 0.40 | 0.45 |

SPARE PARTS

| A | B | C | D | E |
|-----------------------------|------------------------------|-------------------------------|-------------------|-----------------------------|
| Nozzle-holder Order. no. | Mixing chamber Order. no. | Abrasive unions Order. no. | Nut Order. no. | Focusing tube Order. no. |
| 541.01.01 | Typ 700 | 660.01.00 | 640.01.00 | Duralife D |

Other jet diameters: See under Mixing chamber type 700
Other focusing tube: See under focusing tube - Duralife D

WATER JET CUTTING

MVT launched the first auto-aligned abrasive cutting head back in 1993. This innovative concept, combines a limited number of assembled components with precision machining. Although it inspired other companies to copy the idea, is still abrasiv head of the field in terms of price/performance ratio.

The MVT abrasive head keeps the water jet and the focusing nozzle constantly aligned without the need for any further adjustment. When the focusing nozzle or mixing chamber plus integrated sapphire nozzle is changed, no readjustment is necessary yet the jet remains perfectly aligned – benefits much appreciated in a production environment.

The original design and geometry of the mixing chamber for the MVT cutting head ensure optimal cutting performance und is intended for pressures of up to 4000 bar. This head can be mounted on every current make of machine – and that includes yours!

PROPERTIES AND ADVANTAGES

- ▶ User-friendly
- ▶ Reliable
- ▶ Efficiently
- ▶ Precise
- ▶ Uses less abrasive
- ▶ Shortens focusing nozzle changeover times
- ▶ Excellent price/performance ratio
- ▶ Ever-growing number of satisfied users

APPLICATIONS

metal, titanium, aluminium, stone, marble, granite, ceramics, reinforce concrete, plaster, rock wool, laminated glass, safety glass, bullet-proof glass, wood, plastics, composites, automotive and aircraft parts, etc

Saphirnozzles corresponding to Mixing chamber Type 701

| Typ 256 | Typ 258 | Typ 280 | Typ 290 | Typ 1256 | Typ 1258 | Typ 1259 |
|---------|---------|---------|---------|----------|----------|----------|
|---------|---------|---------|---------|----------|----------|----------|

SPARE PARTS

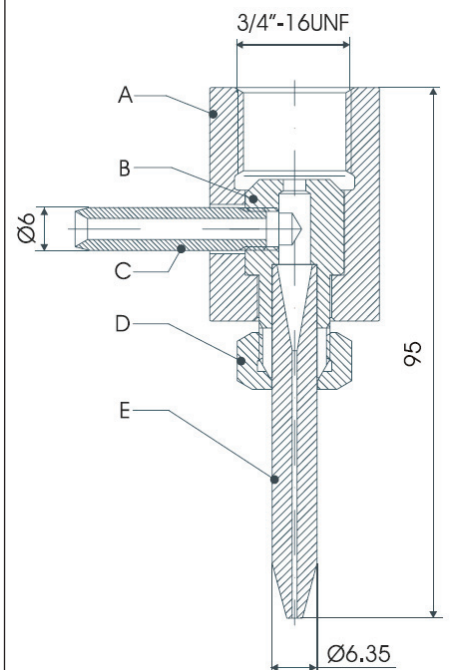
| A | B | C | D | E |
|-----------------------------|------------------------------|-------------------------------|-------------------|-----------------------------|
| Nozzle-holder Order. no. | Mixing chamber Order. no. | Abrasives union Order. no. | Nut Order. no. | Focusing tube Order. no. |
| 540.01.01 | Typ 701 | 660.01.00 | 640.01.00 | Duralife D |

Other jet diameters: See under Mixing chamber type 701
Other focusing tube: See under focusing tube - Duralife D

Abrasive cutting heads Type 542

Max. 4000 bar

Without focusing tube



Abrasive cutting heads Type 542

Order. no. 542.01.00

Delivery

| Stk. | Artikel | Order. no. |
|------|-----------------|------------|
| 1 | Nozzle-holder | 540.01.01 |
| 1 | Mixing chamber | Typ 701 |
| 1 | Abrasives Union | 660.01.00 |
| 1 | Nut | 640.01.00 |

WATER JET CUTTING

MVT launched the first auto-aligned abrasive cutting head back in 1993. This innovative concept, combines a limited number of assembled components with precision machining. Although it inspired other companies to copy the idea, is still abrasiv head of the field in terms of price/performance ratio.

The MVT abrasive head keeps the water jet and the focusing nozzle constantly aligned without the need for any further adjustment. When the focusing nozzle or mixing chamber plus integrated sapphire nozzle is changed, no readjustment is necessary yet the jet remains perfectly aligned – benefits much appreciated in a production environment.

The original design and geometry of the mixing chamber for the MVT cutting head ensure optimal cutting performance und is intended for pressures of up to 4000 bar. This head can be mounted on every current make of machine – and that includes yours!

PROPERTIES AND ADVANTAGES

- ▶ User-friendly
- ▶ Reliable
- ▶ Efficiently
- ▶ Precise
- ▶ Uses less abrasive
- ▶ Shortens focusing nozzle changeover times
- ▶ Excellent price/performance ratio
- ▶ Ever-growing number of satisfied users

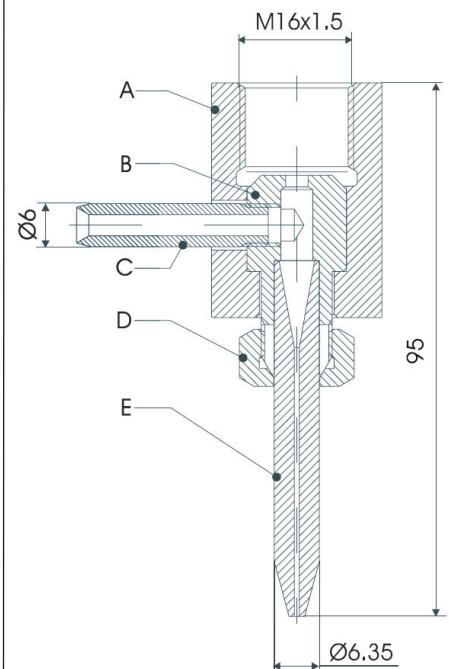
APPLICATIONS

metal, titanium, aluminium, stone, marble, granite, ceramics, reinforce concrete, plaster, rock wool, laminated glass, safety glass, bullet-proof glass, wood, plastics, composites, automotive and aircraft parts, etc

Abrasive cutting heads Type 543

Max. 4000 bar

Without focusing tube



aphirnozzles corresponding to Mixing chamber Type 701

| Typ 256 | Typ 258 | Typ 280 | Typ 290 | Typ 1256 | Typ 1258 | Typ 1259 |
|---------|---------|---------|---------|----------|----------|----------|
|---------|---------|---------|---------|----------|----------|----------|

SPARE PARTS

| A | B | C | D | E |
|-----------------------------|------------------------------|-------------------------------|-------------------|-----------------------------|
| Nozzle-holder Order. no. | Mixing chamber Order. no. | Abrasive unions Order. no. | Nut Order. no. | Focusing tube Order. no. |
| 541.01.01 | Typ 701 | 660.01.00 | 640.01.00 | Duralife D |

Other jet diameters: See under Mixing chamber type 701
Other focusing tube: See under focusing tube - Duralife D

Abrasive cutting heads Type 543

Order. no. 543.01.00

Delivery

| | Article | Order. no. |
|---|-----------------|------------|
| 1 | Nozzle-holder | 541.01.01 |
| 1 | Mixing chamber | Typ 701 |
| 1 | Abrasive unions | 660.01.00 |
| 1 | Nut | 640.01.00 |

WATER JET CUTTING

MVT launched the first auto-aligned abrasive cutting head back in 1993. This innovative concept, combines a limited number of assembled components with precision machining. Although it inspired other companies to copy the idea, is still abrasiv head of the field in terms of price/performance ratio.

The MVT abrasive head keeps the water jet and the focusing nozzle constantly aligned without the need for any further adjustment. When the focusing nozzle or mixing chamber plus integrated sapphire nozzle is changed, no readjustment is necessary yet the jet remains perfectly aligned – benefits much appreciated in a production environment.

The original design and geometry of the mixing chamber for the MVT cutting head ensure optimal cutting performance und is intended for pressures of up to 4000 bar. This head can be mounted on every current make of machine – and that includes yours!

PROPERTIES AND ADVANTAGES

- ▶ User-friendly
- ▶ Reliable
- ▶ Efficiently
- ▶ Precise
- ▶ Uses less abrasive
- ▶ Shortens focusing nozzle changeover times
- ▶ Excellent price/performance ratio
- ▶ Ever-growing number of satisfied users

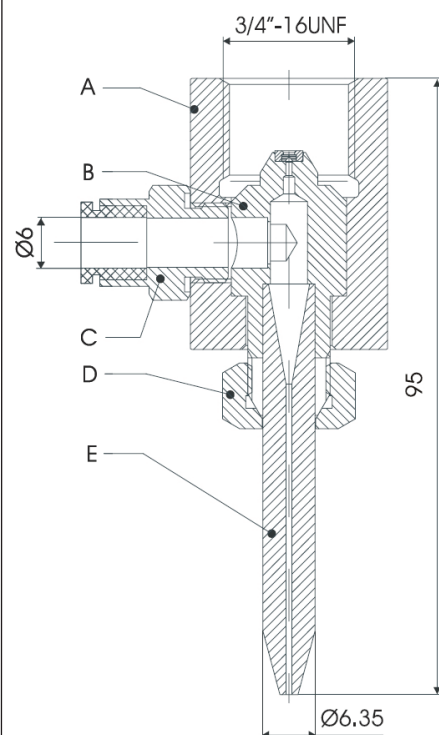
APPLICATIONS

metal, titanium, aluminium, stone, marble, granite, ceramics, reinforce concrete, plaster, rock wool, laminated glass, safety glass, bullet-proof glass, wood, plastics, composites, automotive and aircraft parts, etc

Abrasive cutting heads Type 544

Max. 4000 bar

Without focusing tube



| Nozzles Ø mm | | | | | | |
|--------------|------|------|------|------|------|------|
| 0.25 | 0.28 | 0.30 | 0.33 | 0.35 | 0.40 | 0.45 |

SPARE PARTS

| A | B | C | D | E |
|-----------------------------|------------------------------|-------------------------------|-------------------|-----------------------------|
| Nozzle-holder Order. no. | Mixing chamber Order. no. | Abrasive unions Order. no. | Nut Order. no. | Focusing tube Order. no. |
| 544.01.01 | Typ 702 | 665.01.00 | 640.01.00 | Duralife D |

Other jet diameters: See under Mixing chamber type 702
Other focusing tube: See under focusing tube - Duralife D

Abrasive cutting heads Type 544

Order. no. 544.01.00

Delivery

| | Article | Order. no. |
|---|-----------------|----------------|
| 1 | Nozzle-holder | 544.01.01 |
| 1 | Mixing chamber | Typ 702 Ø 0.25 |
| 1 | Abrasive unions | 665.01.00 |
| 1 | Nut | 640.01.00 |

WATER JET CUTTING

MVT launched the first auto-aligned abrasive cutting head back in 1993. This innovative concept, combines a limited number of assembled components with precision machining. Although it inspired other companies to copy the idea, is still abrasiv head of the field in terms of price/performance ratio.

The MVT abrasive head keeps the water jet and the focusing nozzle constantly aligned without the need for any further adjustment. When the focusing nozzle or mixing chamber plus integrated sapphire nozzle is changed, no readjustment is necessary yet the jet remains perfectly aligned – benefits much appreciated in a production environment.

The original design and geometry of the mixing chamber for the MVT cutting head ensure optimal cutting performance und is intended for pressures of up to 4000 bar. This head can be mounted on every current make of machine – and that includes yours!

PROPERTIES AND ADVANTAGES

- ▶ User-friendly
- ▶ Reliable
- ▶ Efficiently
- ▶ Precise
- ▶ Uses less abrasive
- ▶ Shortens focusing nozzle changeover times
- ▶ Excellent price/performance ratio
- ▶ Ever-growing number of satisfied users

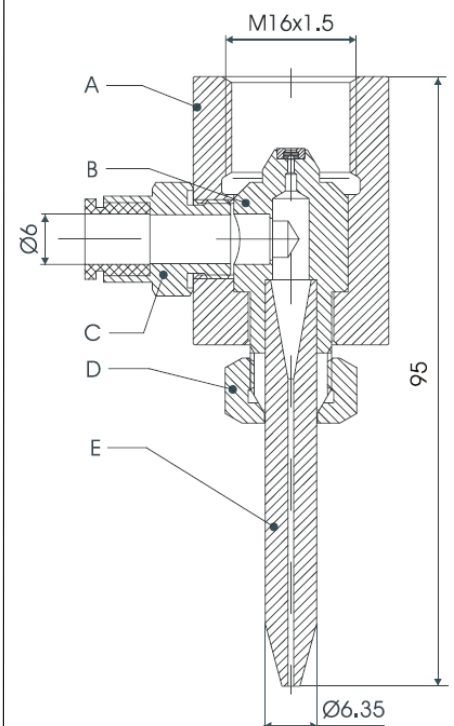
APPLICATIONS

metal, titanium, aluminium, stone, marble, granite, ceramics, reinforce concrete, plaster, rock wool, laminated glass, safety glass, bullet-proof glass, wood, plastics, composites, automotive and aircraft parts, etc

Abrasive cutting heads Type 545

Max. 4000 bar

Without focusing tube



Abrasive cutting heads Type 545

Order. no. 545.01.00

Delivery

| | Article | Order. no. |
|---|-----------------|----------------|
| 1 | Nozzle-holder | 545.01.01 |
| 1 | Mixing chamber | Typ 702 Ø 0.25 |
| 1 | Abrasive unions | 665.01.00 |
| 1 | Nut | 640.01.00 |

| Nozzles Ø mm | | | | | | |
|--------------|------|------|------|------|------|------|
| 0.25 | 0.28 | 0.30 | 0.33 | 0.35 | 0.40 | 0.45 |

SPARE PARTS

| A | B | C | D | E |
|-----------------------------|------------------------------|-------------------------------|-------------------|-----------------------------|
| Nozzle-holder Order. no. | Mixing chamber Order. no. | Abrasive unions Order. no. | Nut Order. no. | Focusing tube Order. no. |
| 545.01.01 | Typ 702 | 665.01.00 | 640.01.00 | Duralife D |

Other jet diameters: See under Mixing chamber type 702
Other focusing tube: See under focusing tube - Duralife D

WATER JET CUTTING

MVT launched the first auto-aligned abrasive cutting head back in 1993. This innovative concept, combines a limited number of assembled components with precision machining. Although it inspired other companies to copy the idea, is still abrasiv head of the field in terms of price/performance ratio.

The MVT abrasive head keeps the water jet and the focusing nozzle constantly aligned without the need for any further adjustment. When the focusing nozzle or mixing chamber plus integrated sapphire nozzle is changed, no readjustment is necessary yet the jet remains perfectly aligned – benefits much appreciated in a production environment.

The original design and geometry of the mixing chamber for the MVT cutting head ensure optimal cutting performance und is intended for pressures of up to 4000 bar. This head can be mounted on every current make of machine – and that includes yours!

PROPERTIES AND ADVANTAGES

- ▶ User-friendly
- ▶ Reliable
- ▶ Efficiently
- ▶ Precise
- ▶ Uses less abrasive
- ▶ Shortens focusing nozzle changeover times
- ▶ Excellent price/performance ratio
- ▶ Ever-growing number of satisfied users

APPLICATIONS

metal, titanium, aluminium, stone, marble, granite, ceramics, reinforce concrete, plaster, rock wool, laminated glass, safety glass, bullet-proof glass, wood, plastics, composites, automotive and aircraft parts, etc

Saphirenozzles corresponding to Mixing chamber Type 703

| Typ 256 | Typ 258 | Typ 280 | Typ 290 | Typ 1256 | Typ 1258 | Typ 1259 |
|---------|---------|---------|---------|----------|----------|----------|
|---------|---------|---------|---------|----------|----------|----------|

SPARE PARTS

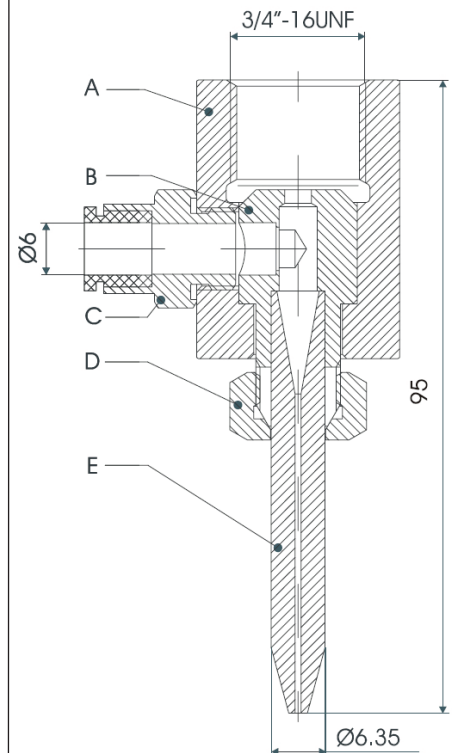
| A | B | C | D | E |
|-----------------------------|------------------------------|-------------------------------|-------------------|-----------------------------|
| Nozzle-holder Order. no. | Mixing chamber Order. no. | Abrasive unions Order. no. | Nut Order. no. | Focusing tube Order. no. |
| 544.01.01 | Typ 703 | 665.01.00 | 640.01.00 | Duralife D |

Other jet diameters: See under Mixing chamber type 703
Other focusing tube: See under focusing tube - Duralife D

Abrasive cutting heads Type 546

Max. 4000 bar

Without focusing tube



Abrasive cutting heads Type 546

Order. no. 546.01.00

Delivery

| | Article | Order. no. |
|---|-----------------|------------|
| 1 | Nozzle-holder | 544.01.01 |
| 1 | Mixing chamber | Typ 703 |
| 1 | Abrasive unions | 665.01.00 |
| 1 | Nut | 640.01.00 |

WATER JET CUTTING

MVT launched the first auto-aligned abrasive cutting head back in 1993. This innovative concept, combines a limited number of assembled components with precision machining. Although it inspired other companies to copy the idea, is still abrasiv head of the field in terms of price/performance ratio.

The MVT abrasive head keeps the water jet and the focusing nozzle constantly aligned without the need for any further adjustment. When the focusing nozzle or mixing chamber plus integrated sapphire nozzle is changed, no readjustment is necessary yet the jet remains perfectly aligned – benefits much appreciated in a production environment.

The original design and geometry of the mixing chamber for the MVT cutting head ensure optimal cutting performance und is intended for pressures of up to 4000 bar. This head can be mounted on every current make of machine – and that includes yours!

PROPERTIES AND ADVANTAGES

- ▶ User-friendly
- ▶ Reliable
- ▶ Efficiently
- ▶ Precise
- ▶ Uses less abrasive
- ▶ Shortens focusing nozzle changeover times
- ▶ Excellent price/performance ratio
- ▶ Ever-growing number of satisfied users

APPLICATIONS

metal, titanium, aluminium, stone, marble, granite, ceramics, reinforce concrete, plaster, rock wool, laminated glass, safety glass, bullet-proof glass, wood, plastics, composites, automotive and aircraft parts, etc

Saphirenozzles corresponding to Mixing chamber Type 703

| Typ 256 | Typ 258 | Typ 280 | Typ 290 | Typ 1256 | Typ 1258 | Typ 1259 |
|---------|---------|---------|---------|----------|----------|----------|
|---------|---------|---------|---------|----------|----------|----------|

SPARE PARTS

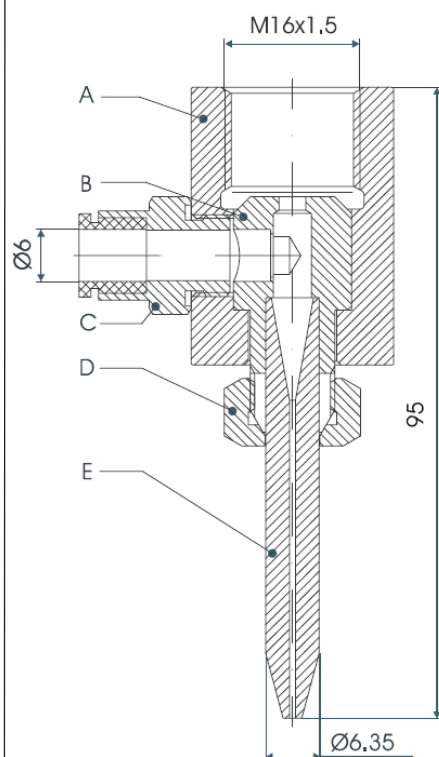
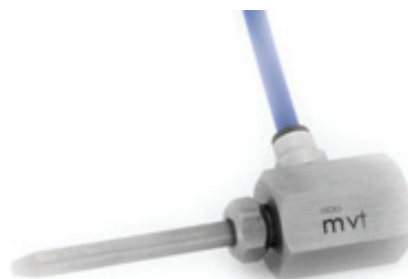
| A | B | C | D | E |
|-----------------------------|------------------------------|-------------------------------|-------------------|-----------------------------|
| Nozzle-holder Order. no. | Mixing chamber Order. no. | Abrasive unions Order. no. | Nut Order. no. | Focusing tube Order. no. |
| 545.01.01 | Typ 703 | 665.01.00 | 640.01.00 | Duralife D |

Other jet diameters: See under Mixing chamber type 703
Other focusing tube: See under focusing tube - Duralife D

Abrasive cutting heads Type 547

Max. 4000 bar

Without focusing tube



Abrasive cutting heads Type 547

Order. no. 547.01.00

Delivery

| | Article | Order. no. |
|---|-----------------|------------|
| 1 | Nozzle-holder | 545.01.01 |
| 1 | Mixing chamber | Typ 703 |
| 1 | Abrasive unions | 665.01.00 |
| 1 | Nut | 640.01.00 |