



Technical Overview

Fyrtex SB

Fyrtex SB uses two tungsten carbide wear parts: a core and an insert. These are available in various sizes, configurations, and carbide grades (M, Z, or Y). The parts are designed to withstand high pressure, abrasion, and heat. They offer excellent wear resistance and a long service life. The outer components are made from stainless steel 316. Most variants are available directly from stock.



Technical Specifications\*

|                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| Construction            | Head, Body, Core, Insert and Seal. Durable build: 316 SS Head and Body; tungsten carbide in M, Z or Y carbide |
| Max. Operation Pressure | 450 bar (7000 psi)                                                                                            |
| Spray Pattern           | Hollow-cone spray pattern with narrow droplet distribution for uniform product quality                        |
| Flow Capability         | Medium-flow capabilities (208-2158 l/hr at 70 bar) with spray angles from -34° to 109°                        |
| Applications            | Dairy powders, flavors, chemicals, pharmaceuticals, enzymes, etc.                                             |

| Fyrtex Core Chart: Y/M/Z carbide |                                     |
|----------------------------------|-------------------------------------|
| Art. no.                         | Description                         |
| 27-4                             | Fyrtex SB Core Flat 28, 6 slides    |
| 28-3                             | Fyrtex SB Core Flat 32, 6 slides    |
| 29-6                             | Fyrtex SB Core Flat 40, 6 slides    |
| 32-6                             | Fyrtex SB Core Flat 45, 6 slides    |
| 40-6                             | Fyrtex SB Core Flat 50, 6 slides    |
| 45-6                             | Fyrtex SB Core Flat 45, 6 slides    |
| 50-6                             | Fyrtex SB Core Flat 50, 6 slides    |
| 425-4                            | Fyrtex SB Core Hollow 425, 4 slides |
| 625-6                            | Fyrtex SB Core Hollow 625, 6 slides |
| 632-6                            | Fyrtex SB Core Hollow 632, 6 slides |
| 640-6                            | Fyrtex SB Core Hollow 640, 6 slides |
| 645-6                            | Fyrtex SB Core Hollow 645, 6 slides |
| 650-6                            | Fyrtex SB Core Hollow 650, 6 slides |

\*All parts are made from durable Y/M/Z carbide

| Fyrtex Core Chart: Y/M/Z carbide |                                     |
|----------------------------------|-------------------------------------|
| Art. no.                         | Description                         |
| 27-2                             | Fyrtex SB Core Flat 27, 2 slides    |
| 28-3                             | Fyrtex SB Core Flat 28, 3 slides    |
| 32-3                             | Fyrtex SB Core Flat 32, 3 slides    |
| 40-3                             | Fyrtex SB Core Flat 40, 3 slides    |
| 45-3                             | Fyrtex SB Core Flat 45, 3 slides    |
| 50-3                             | Fyrtex SB Core Flat 50, 3 slides    |
| 425-2                            | Fyrtex SB Core Hollow 425, 2 slides |
| 625-3                            | Fyrtex SB Core Hollow 625, 3 slides |
| 632-3                            | Fyrtex SB Core Hollow 632, 3 slides |
| 640-3                            | Fyrtex SB Core Hollow 640, 3 slides |
| 645-3                            | Fyrtex SB Core Hollow 645, 3 slides |
| 650-3                            | Fyrtex SB Core Hollow 650, 3 slides |

\*All parts are made from durable Y/M/Z carbide



**Fyrtext SB Assembly Description and Part Numbers**

| Description             | Part Number     | Material         |
|-------------------------|-----------------|------------------|
| (A) Head Fyrtext SB     | HEAD-RA-SS      | SS 316           |
| (A) Head Fyrtext SB MFP | HEAD-RAM-SS     | SS 316           |
| (B) Fyrtext SB Insert   | RKI-xx*/**      | "Y" carbide      |
| (B) Fyrtext SB Insert   | RKIM-xx*/**     | "X" carbide      |
| (B) Fyrtext SB Insert   | RKIZ-xxzz*/**   | "Z" carbide      |
| (C) Core                | See core charts | Tungsten carbide |
| (E) Body Fyrtext SB 1/4 | BODY-RA-1       | SS 316           |
| (E) Body Fyrtext SB 3/8 | BODY-RA-2       | SS 316           |

*\*SB Inserts are available in types 20 (4.08 mm) to 60 (1.01 mm), e.g., RI-52 (1.61 mm) for y-car and RIM-44 (2.18 mm) for m-car.*

*\*\*All sizes available: contact our sales team*