



FACETEC MF

Microfinishing film roll for superfinishing
rotation-symmetric components

FACETEC MF

With the FaceTec MF product line, TYROLIT offers a high-performance product in the area of belt-superfinishing. The focus is on customers whose surface quality requirements can only be achieved by means of a superfinish machining operation. These requirements relate primarily to the automotive (crankshafts and camshafts) and steel industry (roll grinding). Because finishing belongs to the final operations in the value-added chain, process stability is an essential criterion. The high quality standard and the high service level make FaceTec MF to an optimal solution for critical finishing processes.

Application

Micro-Finishing machine for finishing crankshaft bearings



+ **High process stability:** Consistent product quality from the first to the last meter characterise FaceTec MF belts. Production and packing take place exclusively under clean room conditions to prevent contamination with foreign bodies. This minimizes surface flaws on the part and achieves an even result.

+ **High economic efficiency:** FaceTec MF belts feature extreme easy-cutting finish characteristics. This enables cycle times to be reduced and costs optimised. On the reverse of the belt, there is a clear marking which is intended to prevent incorrect fitting of the belt, thereby preventing long set-up times.

+ **Broad product portfolio:** FaceTec MF belts are available in all common versions. Belt widths of up to 500 mm and belt lengths up to 300 m are available.



+ **High service level:** FaceTec MF belts impress with very short quote and delivery times. Many years of experience in the automotive industry allow TYROLIT application engineers to achieve precise specification of the belts.

Product description

| Series | Backing material | Schematic diagram | Process | Grain |
|-------------------------|------------------------------------|-------------------|--------------------------|---|
| TFA32 | 75 µm film | | Electrostatically coated | Aluminium oxide (TFA..) Silicon carbide (TFS..) Diamond (TFD..) |
| TFA51 TFS51 | 125 µm film with anti-slip coating | | | |
| TFA31 TFS31 TFD31 | 75 µm film | | Slurry coated | |

Roll specification range *

| Series | Grain type | Grit size in µm | Length | Width | Winding | Bore |
|--------|------------|---------------------------------|---------------------------------|-----------------------------|-------------------------|----------------------------------|
| TFA32 | AlOx | 9/15/20/30/40/60 | 50 m to 300 m (50 m increments) | | | |
| TFA51 | AlOx | 5/9/12/15/20/30/40/50/60/80/100 | 50 m to 300 m (50 m increments) | | | |
| TFS51 | SiCa | 9/15/20/30/40/60 | 50 m to 300 m (50 m increments) | 5 mm to 500 mm | ASI (Abrasive Side In) | Plastic core, 1" (25.4 mm) |
| TFA31 | AlOx | 0,5/1/2/3/5/9/12/16/20/30/40/60 | 50 m to 300 m (50 m increments) | < 50 mm = 0.1 mm increments | ASO (Abrasive Side Out) | Plastic core, 3" (76.2 mm) |
| TFS31 | SiCa | 1/3/5/9/16/20/30/40 | 50 m to 300 m (50 m increments) | | | Keyed plastic core, 3" (76.2 mm) |
| TFD31 | Dia | 0,5/1/3/5/9/15/30/45/60/80 | 5m, 15m, 30m, 45m, 50m | | | Without core (32 mm) |

* Endless belts upon request

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