

**FAM**<sup>®</sup>

Metallic range

**HIGH RESISTANCE TO ABRASION UNDER EXTREME OPERATING CONDITIONS :  
HIGH IMPACT, HIGH PRESSURE, MAINTENANCE FREE**

FAM<sup>®</sup> components, made from manganese steel, have excellent resistance to abrasive wear thanks to the mechanical work hardening of the friction zone.



**Examples applications :**



Continuous casting



Clamps and grabs



Casting ladles



Bucket excavators



Conveyors

### Operating conditions

Max. static pressure	43,511 psi
Max. dynamic pressure	7251 psi
Max. speed	0.16 ft/s
Max. temperature	Up to 716°F
Lubrication	Greased or maintenance-free
Lubrication intervals	Initial lubrication only
Assembly instructions	Press or nitrogen assembly. If something else, please contact us

### Standard tolerances of the bushing

	Diameter	Tolerance
Inside diameter	$\varnothing 25 \leq \varnothing \leq \varnothing 50$	+0,05 / +0,20
	$\varnothing 50 < \varnothing \leq \varnothing 100$	+0,05 / +0,30
	$\varnothing > \varnothing 100$	+0,1 / +0,40
Outside diameter	s7*	

### Housing

Standard tolerance	H7*
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### Shaft

	Diameter	Tolerance
Standard tolerance	$\varnothing 25 \leq \varnothing \leq \varnothing 50$	-0,1 / -0,15
	$\varnothing 50 < \varnothing \leq \varnothing 100$	-0,2 / -0,25
	$\varnothing > \varnothing 100$	-0,25 / -0,3

Optimum roughness	< 0,8 $\mu$ m
Recommended surface treatments	Hardness > 56 HRC
Optimum HEF technology	FAM <sup>®</sup> ST, FAM <sup>®</sup> HT, FAM <sup>®</sup> OX, ...

### Components available in this technology

Bushing, flanged bushings, spherical plain bearings, slide pads, washers, etc.

\* Depending on the severity of your application conditions, these recommendations may change. Contact us before use. FAM<sup>®</sup> is the result of studies and research carried out by HEF's tribology specialists. However, it must be tested and validated under your specific operating conditions to ensure proper suitability for all your parameters before it is definitively adopted. FAM<sup>®</sup> TECHNOLOGY IS A WORLDWIDE HEF trademark – HEF IS THE ONLY AUTHORISED MANUFACTURER

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