

FUSION

The **FUSION**
FINE GRINDING WITH
A MAXIMUM LIFETIME



**WEB-
VIDEO**

online:
www.sharpgrinding.com


Noticeable advantage for the user:

- Processing narrow slits and corners
- Minimises tool changes
- Flat grinding angle for precise grinding of fillet welds
- Efficient through complete use when grinding fillet welds
- Free choice of grain size 40/60/80













THE FUSION BY BRAINTOOLS® FINE GRINDING WITH A MAXIMUM LIFETIME.

„Up to now there have been no optimum grinding tools for processing confined spaces and sharp angles such as fillet welds. Flap discs are uneconomical because only the flap projection is used, leaving a large part of the abrasive unused. Processing with electric files, on the other hand, is strenuous and time-consuming while the grinding pattern of roughing wheels is too coarse. What has been missing so far is an efficient solution for grinding fillet welds that combines fine grinding with an optimum lifetime, even in sharp angles. Now its here: the FS1 FUSION.“

KERSTIN HEIDEN, Rhodius-Development engineer

	Material: <ul style="list-style-type: none"> • Rust- and acid-proofed steels • High tensile / high-alloyed steels • Hardened steels • Tool steels • Structural steels • Grey cast iron • Hardox 	Application examples: <ul style="list-style-type: none"> • Fillet weld treatment • Edge grinding • Surface grinding • Levelling • Burr removing • Welding seams • Weld seam preparation • Forge grinding 	Product advantages: <ul style="list-style-type: none"> • Dressable edge • no tool change • High stock removal • No clogging • Cool grinding • Comfortable grinding performance • Efficient
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FS1
FUSION

Hardness: ●●●○○○
 Lifetime: ●●●○○○
 Stock removal: ●●●●●●

The FS1 FUSION combines the long life of a grinding disc with the fine grinding pattern of a flap disc. It works with great fineness in fillet welds so that the workpiece can be galvanised or lacquered immediately afterwards. It is available in various grains – doing away with additional fine grinding. Its clean cut with high stock removal ensures an outstanding stock removal performance. The FS1 FUSION can be profiled in the edge area to allow individual processing for almost every case.



FS1 FUSION 37A46P10BF1347

Shape 27					
Icon	Grain	Grain	Grain	Grain	Grain
115x4,0x22,23	40	207826	4011890062760	10	
115x4,0x22,23	60	207827	4011890062777	10	
115x4,0x22,23	80	207884	4011890062869	10	
115x6,5x22,23	40	207817	4011890062661	10	
115x6,5x22,23	60	207818	4011890062678	10	
115x6,5x22,23	80	207881	4011890062838	10	
125x4,0x22,23	40	207829	4011890062791	10	
125x4,0x22,23	60	207830	4011890062807	10	
125x4,0x22,23	80	207885	4011890062876	10	
125x6,5x22,23	40	207820	4011890062692	10	
125x6,5x22,23	60	207821	4011890062708	10	
125x6,5x22,23	80	207882	4011890062845	10	

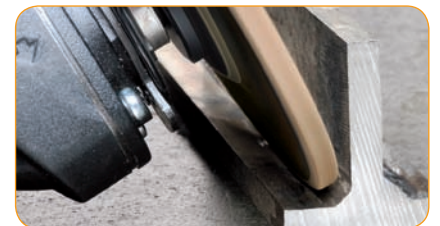
Iron- and sulphur-free



Long life cycle of a grinding disc.



Inefficient, because most of the abrasive material remains unused.



Fine grinding pattern of a flap disc.