



**MEHTA**

SANGHVI & COMPANY

***Kjellberg***<sup>®</sup>  
**FINSTERWALDE**

**CutFire 100i**

Plasma Cutting 1 to 30 mm



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## Plasma Cutting Inverter CutFire 100i

Technical Data	
Mains voltage	3 x 400 V, 50 Hz
Max. Connecting load	16.6 kVA
Fuse, slow	25 A
Cutting current	20 - 100 A
Duty cycle	100 %
Cutting range	
- Recommended	20 mm
- Maximum	30 mm
- piercing	20 mm
Plasma gas	Air
Dimensions (L x W x H)	710 x 280 x 590 mm
Weight	50 kg



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## Plasma Cutting Inverter CutFire 100i

- Integration in CNC-guiding systems or other mechanical guiding equipment
- Digital display of cutting current with set point pre-adjustment, display for operating readiness, plasma arc "ON" and cumulative error
- Stepless adjustment of cutting current
- Emergency stop button
- CNC-Interface (X102)
- Remote control FB 1



## NEW: Plasma Machine Torch Flash 101\*



- ➔ New consumables
- ➔ High cutting speeds
- ➔ Swirl gas Technology
- ➔ Safe piercing performance
- ➔ Increased lifetime of consumables
- ➔ Electrical height sensing contact\*\*



\* For CutFire from 04/2017

\*\* optionally





## NEW: Plasma Machine Torch Flash 101\*

- ➔ Piercing up to 20 mm\*\*
- ➔ Fine cutting from 3 mm
- ➔ Bevel cutting up to 30°
- ➔ Marking with 20 A



\* For CutFire 100i from 04/2017

\*\* Observe piercing capability! See cutting charts.





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## Extract Cutting Chart Mild Steel

mm	A	Quality mm/min	Maximum mm/min
2	45	4.200	6.000
3	45	2.800	3.500
4	45	1.900	2.300
4	65	4.400	5.500
6	65	2.850	3.700
10	65	1.100	2.000
8	100	3.000	4.00
10	100	2.400	3.350
15	100	1.200	1.800
20	100	750	1.100
25	100	500	700
30	100	200	520

Cutting speeds depend on quality of material, gas pressure, cutting and swirl gas, and at least from the used nozzles and cathodes.



## Cutting Sample 4 mm Mild Steel



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## Cutting Sample 10 mm Mild Steel

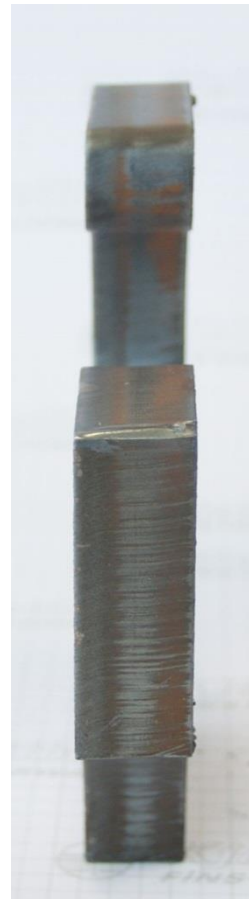




# Cutting Sample 16 mm Mild Steel



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## Cutting Sample 20 mm Mild Steel



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