

# The CC-GRIND System

The Pro for Stock Removal



**New!**  
INNOVATION CC-GRIND-SOLID



**TRUST BLUE**

- 40 % more economic value thanks to ultimate stock removal rates compared with reinforced grinding wheels
- 50 % less noise and vibration during use
- As sturdy and safe as a reinforced grinding wheel – 100 % increased aggressiveness

# The CC-GRIND System

## Maximum Profitability through Ultimate Removal Rate



The CC-GRIND system was **specially developed for aggressive and economic grinding** with ultimate stock removal rates and very good tool life in surface and edge grinding applications. The special version of the respective grinding disc combined with the matching mounting system guarantees maximum stock removal performance in a very short time.

### Recommendation for use

- Only use CC-GRIND grinding discs with the face of the disc.  
Not suitable for circumferential grinding.

### Advantages

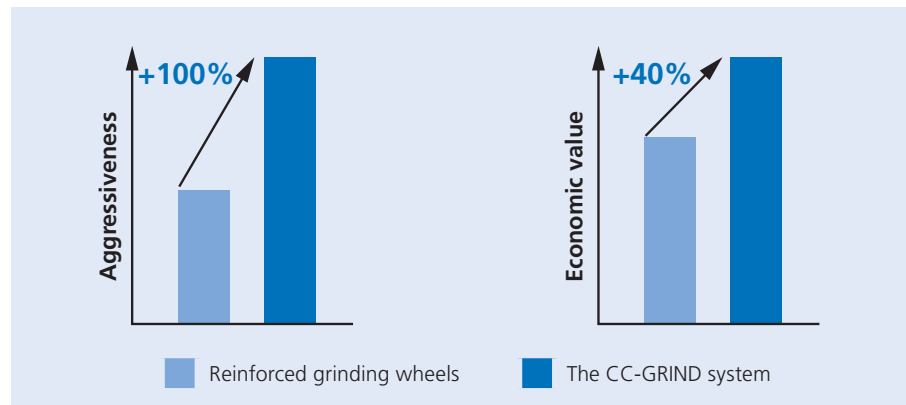
High-performance abrasives and optimum cooling system enable

- **100 % increase in aggressiveness,**
- **40 % improvement in economic value,**
- **30 % reduction in workpiece temperature,**
- **ergonomically optimized grinding.**

### Economic value improved by 40 %

Thanks to the significant increase in aggressiveness during the grinding process and a particularly long service life, the CC-GRIND and CC-GRIND-SOLID grinding discs achieve a 40 % improvement in economic value compared with conventional reinforced grinding wheels.

### Performance values for application on steel:

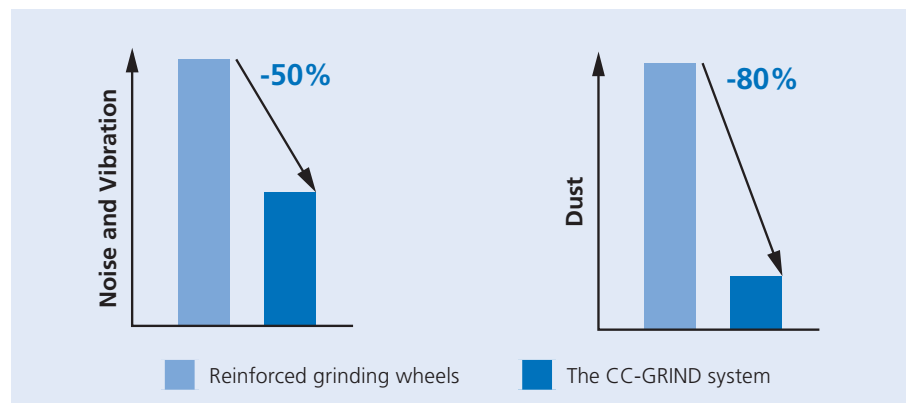


## Ergonomic grinding instead of just roughing

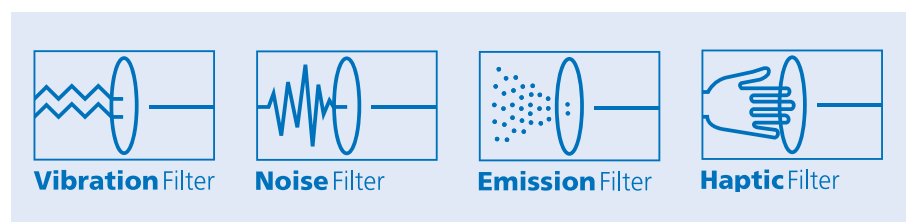
### Noise, vibration and dust considerably reduced

The new CC-GRIND and CC-GRIND-SOLID grinding discs from PFERD produce **50 % less noise and vibration** and **80 % less dust** compared with conventional reinforced grinding wheels.

PFERDERGONOMICS recommends the innovative tool solutions CC-GRIND for the flexible grinding of contours and CC-GRIND-SOLID for hard and rough uses.



For further information on the subject of ergonomics and suitable PFERD tools see the brochure "PFERDERGONOMICS – The focus is on people".





### PFERD offers two variants

**Standard version CC-GRIND with quick-mounting system**



Version with patented cooling and quick-mounting system for flexible grinding with ultimate stock removal rates.

**Version CC-GRIND-SOLID with integrated glass fibre backing pad**



Extremely sturdy version with integrated glass fibre backing pad for hard and rough uses with ultimate stock removal rates and safety.

### Safety recommendations

The maximum permitted peripheral speed is 80 m/s.



= Wear eye protection!



= Wear hearing protection!



= Wear a respirator!



= Read the instructions!

### The fast way to the best tool

Starting with the application ① and material ②, the overview shows the CC-GRIND system from the PFERD range and helps you to find the optimum tool solution.

① Application	② Material	
	Steel	Stainless steel (INOX)
	Type	Type
Surface grinding	CC-GRIND STEEL CC-GRIND-SOLID STEEL	CC-GRIND INOX CC-GRIND-SOLID INOX
Contour grinding	CC-GRIND STEEL	CC-GRIND INOX
Weld dressing	CC-GRIND STEEL CC-GRIND-SOLID STEEL	CC-GRIND INOX CC-GRIND-SOLID INOX
Chamfering	CC-GRIND STEEL CC-GRIND-SOLID STEEL	CC-GRIND INOX CC-GRIND-SOLID INOX
Deburring/edge grinding	CC-GRIND STEEL CC-GRIND-SOLID STEEL	CC-GRIND INOX CC-GRIND-SOLID INOX
Machining welding torch burrs	CC-GRIND-SOLID STEEL	CC-GRIND-SOLID INOX

### The grinding discs CC-GRIND and CC-GRIND-SOLID support grinding at very flat angles!

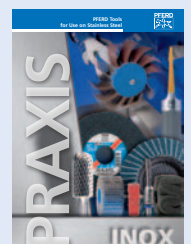


The innovative cooling and mounting systems allow grinding at very flat angles and the optimum utilization of the abrasives available.

### Competence when working on stainless steel (INOX)

PFERD offers a comprehensive range of tools that meets the requirements of working stainless steel (INOX). The PFERD PRAXIS brochure "PFERD Tools for Use on Stainless Steel (INOX)" contains many valuable application notes.

Our experienced field staff and members of the PFERD TOOL TECHNIC will be happy to answer any questions you may have. Please do not hesitate to contact us.



# The Grinding Disc CC-GRIND

## General Information

PFERD presents a newly developed, **patented cooling and quick-mounting system** for use with grinding discs in surface and contour grinding applications. This mounting system and the **high-performance abrasive** guarantee ultimate stock removal rates.

The grinding disc CC-GRIND combines an innovative flexible backing pad with rugged fixture at the back of the grinding disc. With this new backing pad, CC-GRIND grinding discs can be used on standard angle grinders.

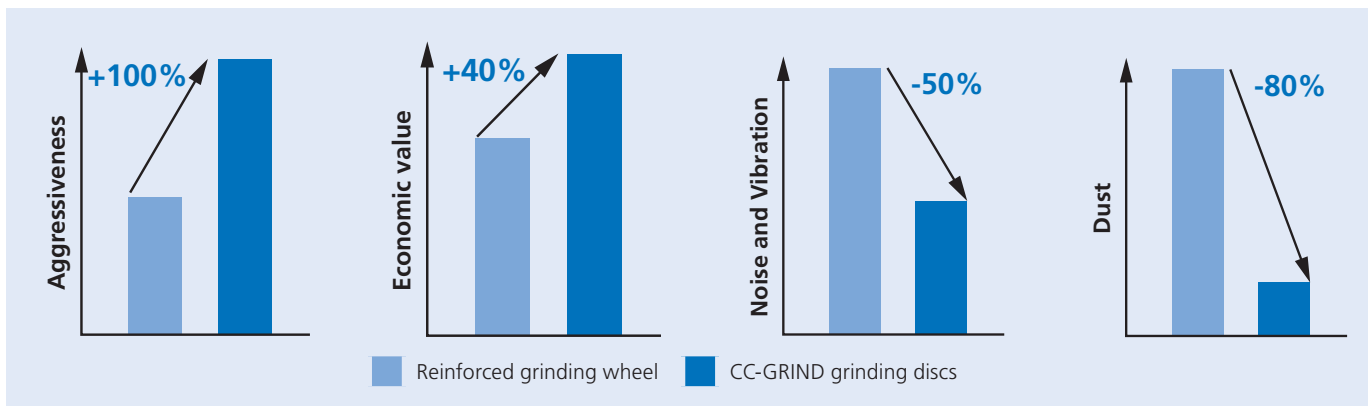
The quick-mounting system, rugged fixture, secure tool attachment and the optimized cooling system help to significantly improve aggressiveness and grinding disc tool life. Noise, vibration and dust are minimized and the **tool temperature is reduced by 30 %**.

### Flexible grinding:

The grinding discs CC-GRIND give a particularly soft and flexible abrasive performance in face-down grinding.



### Performance values for application on steel:



### User benefits:

#### System



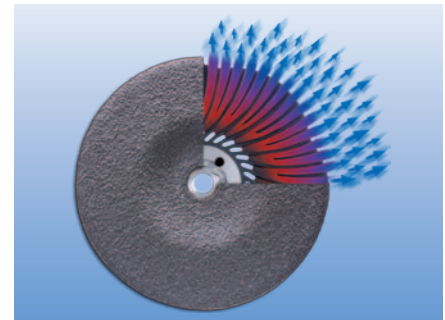
Exceptional ease of handling and convenience.

#### Mounting principle



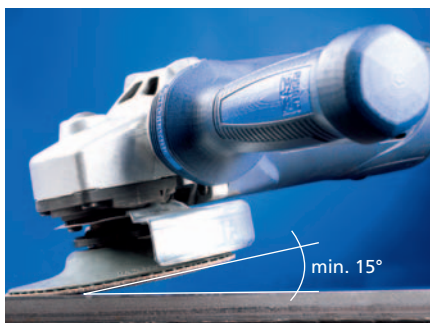
Extremely easy and fast tool change reduces process costs.

#### Cooling effect



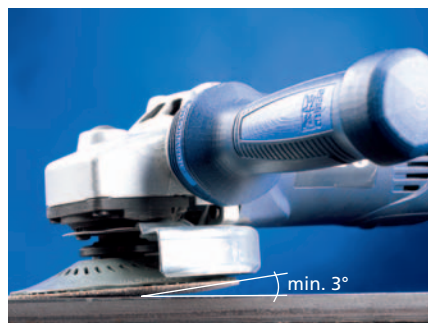
Cooling of tool and workpiece through patented cooling system.

### The grinding discs CC-GRIND support grinding at very flat angles!



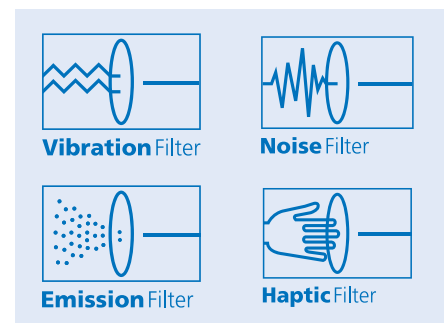
#### Before: Use of conventional fibre discs

CC-GRIND grinding discs eliminate surface scratching due to projecting metal parts and maximizes abrasive usage.



#### Use of CC-GRIND grinding discs

### Ergonomic properties



PFERDERGONOMICS recommends the CC-GRIND system in order to improve working conditions and working comfort long term.



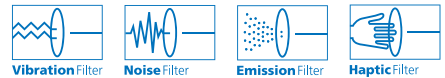
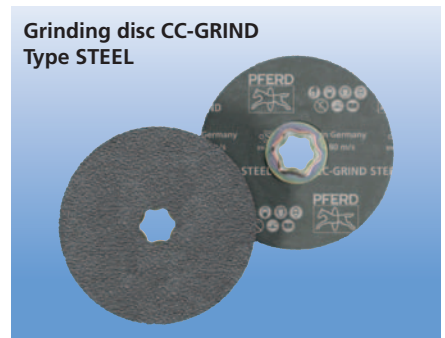
PFERD STEEL version for ultimate stock removal performance on steel.



**Workpiece materials:**  
Steel

**Recommendation for use:**

- Only use CC-GRIND grinding discs with the face of the disc.  
Not suitable for circumferential grinding.
- Avoid use on sharp edges as far as possible to prevent tool damage.

**Ordering note:**  
Please order backing pad separately.



Order No.	EAN 4007220	Dia. D [mm]	Suitable backing pad	Max. speed [RPM]		
N! CC-GRIND 115 SG-STEEL	835876	115	CC-GT GRIND-STEEL 115/125 M14	13.300	25	0,750
N! CC-GRIND 125 SG-STEEL	835883	125	CC-GT GRIND-STEEL 115/125 M14	12.200	25	0,875



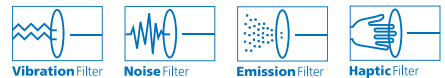
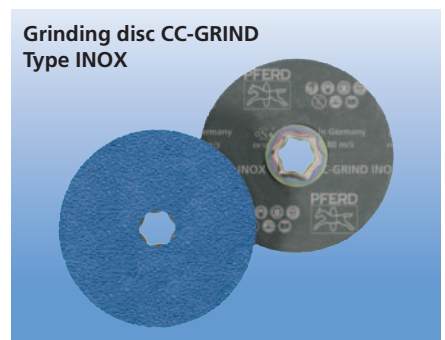
PFERD INOX version for cool grinding with very good stock removal on stainless steel (INOX).



**Workpiece materials:**  
Stainless steel (INOX)

**Recommendation for use:**

- Only use CC-GRIND grinding discs with the face of the disc.  
Not suitable for circumferential grinding.
- Avoid use on sharp edges as far as possible to prevent tool damage.

**Ordering note:**  
Please order backing pad separately.



Order No.	EAN 4007220	Dia. D [mm]	Suitable backing pad	Max. speed [RPM]		
N! CC-GRIND 115 SG-INOX	835890	115	CC-GT GRIND-INOX 115/125 M14	13.300	25	0,750
N! CC-GRIND 125 SG-INOX	835906	125	CC-GT GRIND-INOX 115/125 M14	12.200	25	0,875

With this backing pad, CC-GRIND grinding discs can be used on standard angle grinders.

The geometry of the cooling slits ensures high air flow. This significantly reduces the thermal load on the grinding agent and the tool.



The patented cooling and quick-mounting system reduces tool changing times to a minimum.

The special backing pad design significantly increases grinding performance.

Type STEEL = grey  
Type INOX = blue

**Safety notes:**  
The maximum permitted peripheral speed is 80 m/s.



Order No.	EAN 4007220	Thread	Suitable for machine types		
N! CC-GT GRIND-STEEL 115/125 M14	835852	M14	Angle grinders 115 and 125 with M14 spindle	1	0,165
N! CC-GT GRIND-INOX 115/125 M14	835869	M14	Angle grinders 115 and 125 with M14 spindle	1	0,165



# The Grinding Disc CC-GRIND-SOLID

## General Information

PFERD presents the new sturdy version CC-GRIND-SOLID for hard and rough grinding applications. The advanced development of the PFERD innovation CC-GRIND stands out through the integrated glass fibre backing pad combined with high-performance grinding grit and patented cooling and mounting system.

**With it, PFERD is presenting the new generation of reinforced grinding wheels!**

The innovative **high-strength layer structure of the glass fibre backing pad** guarantees the same **sturdy and safe use** as with a reinforced grinding disc. The grinding disc CC-GRIND-SOLID fulfills all the safety require-

ments of a reinforced grinding wheel according to DIN EN 12413, particularly the lateral load test.

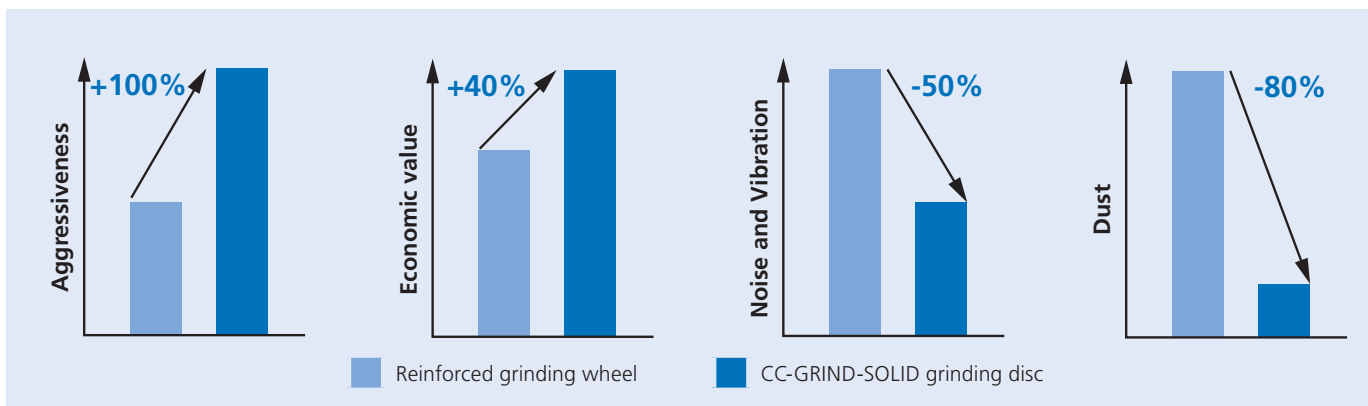
The grinding disc is optimally aligned thanks to the **special mounting system** and can thus be used at **particularly flat and efficient** angle. In addition, the patented cooling system significantly reduces the temperature of the workpiece.

**For hard and rough use:**

CC-GRIND-SOLID version for hard and rough uses with ultimate stock removal rates.



### Performance values for application on steel:



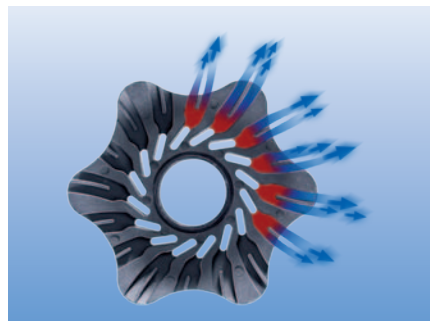
### User benefits:

#### Close-up of layer structure



Innovative high-strength tool design for especially ergonomic, safe work.

#### Cooling effect



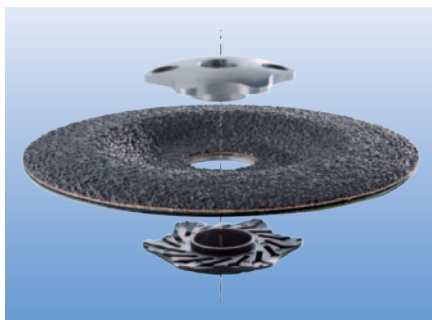
Very good cooling of tool and workpiece through patented cooling system.

#### Hard and rough uses



Integrated glass fibre backing pad for hard and rough use.

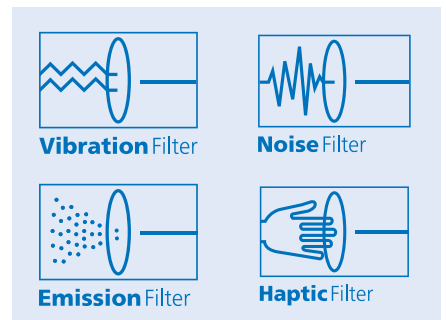
#### Patented cooling and mounting system



Fast and easy tool change. The unique mounting and the patented cooling system allow use at very flat angles and the optimum utilization of the abrasives available.



#### Ergonomic properties



PFERDERGONOMICS recommends the CC-GRIND system in order to improve working conditions and working comfort long term.



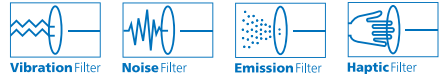
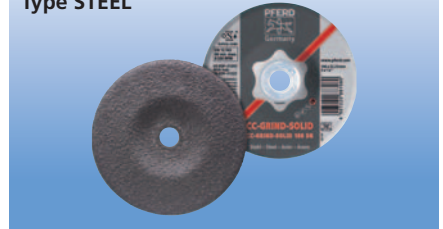
PFERD STEEL version for ultimate stock removal performance on steel.



**Workpiece materials:**  
Steel

**Recommendation for use:**  
■ Only use CC-GRIND-SOLID grinding discs with the face of the disc.  
Not suitable for circumferential grinding.

**Ordering note:**  
Clamping flange set SFS, please order separately.

### Grinding disc CC-GRIND-SOLID Type STEEL



Order No.	EAN 4007220	Dia. D [mm]	Matching clamping flange set	Max. speed [RPM]		
<b>N!</b> CC-GRIND-SOLID 115 SG-STEEL	887059	115	SFS CC-GRIND-SOLID 115/125 M14, SFS CC-GRIND-SOLID 115/125 5/8"	13.300	10	0,750
<b>N!</b> CC-GRIND-SOLID 125 SG-STEEL	887073	125	SFS CC-GRIND-SOLID 115/125 M14, SFS CC-GRIND-SOLID 115/125 5/8"	12.200	10	0,850
<b>N!</b> CC-GRIND-SOLID 180 SG-STEEL	887080	180	SFS CC-GRIND-SOLID 180 M14, SFS CC-GRIND-SOLID 180 5/8"	8.500	10	1,650



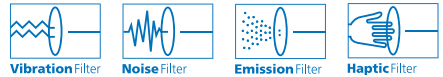
PFERD INOX version for very good stock removal on stainless steel (INOX).



**Workpiece materials:**  
Stainless steel (INOX)

**Recommendation for use:**  
■ Only use CC-GRIND-SOLID grinding discs with the face of the disc.  
Not suitable for circumferential grinding.

**Ordering note:**  
Clamping flange set SFS, please order separately.

### Grinding disc CC-GRIND-SOLID Type INOX



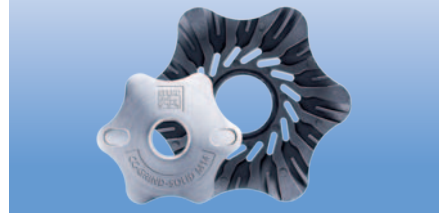
Order No.	EAN 4007220	Dia. D [mm]	Matching clamping flange set	Max. speed [RPM]		
<b>N!</b> CC-GRIND-SOLID 115 SG-INOX	900895	115	SFS CC-GRIND-SOLID 115/125 M14, SFS CC-GRIND-SOLID 115/125 5/8"	13.300	10	0,750
<b>N!</b> CC-GRIND-SOLID 125 SG-INOX	900901	125	SFS CC-GRIND-SOLID 115/125 M14, SFS CC-GRIND-SOLID 115/125 5/8"	12.200	10	0,850
<b>N!</b> CC-GRIND-SOLID 180 SG-INOX	900918	180	SFS CC-GRIND-SOLID 180 M14, SFS CC-GRIND-SOLID 180 5/8"	8.500	10	1,650



With this special clamping flange set, **only** the original CC-GRIND-SOLID grinding discs can be used on standard angle grinders.

The geometry of the cooling slits ensures high air flow. This perceptibly reduces the thermal load on the grinding agent and the workpiece.

**Safety notes:**  
The maximum permitted peripheral speed is 80 m/s.

### Clamping flange set SFS CC-GRIND-SOLID



Order No.	EAN 4007220	Thread	Suitable for machine types		
<b>N!</b> SFS CC-GRIND-SOLID 115/125 M14	887578	M14	Angle grinders 115 and 125 with M14 spindle	1	0,050
<b>N!</b> SFS CC-GRIND-SOLID 180 M14	887585	M14	Angle grinders 180 with M14 spindle	1	0,065
<b>N!</b> SFS CC-GRIND-SOLID 115/125 5/8"	887592	5/8"	Angle grinders 115 and 125 with 5/8" spindle	1	0,050
<b>N!</b> SFS CC-GRIND-SOLID 180 5/8"	887608	5/8"	Angle grinders 180 with 5/8" spindle	1	0,065

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