



## Cutting disc SGP STEELOX EXTRA THIN, Disc Ø: 178mm



### Order data

Order number	563420 178
GTIN	4007220357873
Item class	55T

### Description

#### Version:

- **Grit, bonding, abrasive additives as well as reinforcement of the cut-off discs are optimised for maximum cutting performance and working life in their respective applications.**
- **Thin cutting discs (0.8 mm / 1.0 mm / 1.6 mm) specially suited for quick burr-free cutting with low thermal stress. On older angle grinders please ensure discs are precisely centred! Cutting discs from 2.0 mm disc thickness exhibit increased lateral stability, stiffness and service life.**
- **Shapes: Cutting discs flat (shape 41) or with depressed centre (shape 42).**

Extra thin cutting disc for very quick low-burr cutting with low thermal stress and easy ergonomic cut guidance.

Very tough **SGP special high-performance range** with very high cutting performance and outstanding service life (hardness S).

#### Application:

For freehand cutting using electric and pneumatic angle grinders with maximum 80 m/s peripheral cutting speed  $v_c$ .

#### Specification:

**A46S-SGP-STEELOX.**

#### Note:

The disc thickness should be at least 20% of the material thickness to be cut. For stainless steel, use cutting discs at reduced speed.

## Technical description

Shape	41
Shape description	flat
Bore Ø	22.23 mm
Disc thickness	1.6 mm
maximum speed	8600 min <sup>-1</sup>
Specification	A46S-SGP-INOX
Disc Ø	178 mm
for material thicknesses	7.7 mm
Grinding medium code	A
Iron, sulphur and chlorine constituents	< 0.1 %
recommended approach angle	90 degrees
optimised for material	Steel
optimised for material	HSS
Propulsive equipment	Angle grinders
maximum circumferential speed	80 m/s
Type of product	Cutting disc

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu Mg	suitable only under restricted conditions		
Steel < 900 N/mm <sup>2</sup>	suitable		
Steel < 1400 N/mm <sup>2</sup>	suitable		
Steel < 55 HRC	suitable		
Steel < 60 HRC	suitable		

Steel < 67 HRC	suitable
INOX	suitable
Ti	suitable
GG(G)	suitable only under restricted conditions
CuZn	suitable only under restricted conditions
Plastic, GRP	suitable only under restricted conditions
Uni	suitable only under restricted conditions
dry	suitable

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## Accessories

Pair of clamping flanges Flange Ø 76 mm

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