



CUTTING & GRINDING DISC

golden star® Silverstar® oSA® Safety code



Application: Stainless Steel
Free of iron & sulphur
Fast cutting and long lifetime



Application: Stainless Steel(INOX)
Medium hard. Fast grinding. Long lifetime
Applicable in nuclear power plant construction. Free of iron & sulphur

Cutting Disc Stainless Steel, Inox

Type		Ø mm	Width	Bore	Specs
Profile	Profile				
F41	-	50	1.1	6.00	A60P
F41	-	76	1.1	6.00	A60P
F41	-	76	1.1	10.00	A60P
F41	-	100	1.0	16.00	AS60P
F41	-	100	2.0	16.00	AS40P
-	F42	100	3.0	16.00	AS30P
F41	-	115	1.0	22.23	AS60P
F41	-	115	1.6	22.23	AS46P
-	F42	115	3.0	22.23	AS30P
F41	-	125	1.0	22.23	AS60P
F41	-	125	1.6	22.23	AS46P
F41	-	125	2.0	22.23	AS40P
-	F42	125	3.0	22.23	AS30P
F41	-	150	1.6	22.23	AS46P
F41	-	180	1.6	22.23	AS40P
F41	F42	180	3.0	22.23	AS30P
F41	F42	230	1.9	22.23	AS40P
F41	F42	230	3.0	22.23	AS30P
F41	-	300	3.5	25.40	AS30R
F41	-	355	3.5	25.40	AS30R

Grinding Disc Stainless Steel, Inox

Type		Ø mm	Width	Bore	Specs
Profile	Profile				
F27	-	100	6.0	16.00	AS24O
	-	115	6.0	22.23	AS24O
	-	125	6.0	22.23	AS24O
	-	150	6.0	22.23	AS30Q
	-	180	6.0	22.23	AS30Q
	-	230	6.0	22.23	AS30Q



Application: Steel in general
Medium hard. Fast grinding.
Long lifetime.

Grinding Disc Steel

Type		Ø mm	Width	Bore	Specs
Profile	Profile				
F27	-	100	6.0	16.00	AS24P
	-	115	6.0	22.23	AS24P
	-	125	6.0	22.23	AS24P
	-	150	6.0	22.23	AS24P
	-	180	6.0	22.23	AS30T
	-	230	6.0	22.23	AS24P



Application: Steel, Castings.
Very Fast Cutting.
Long lifetime.

Cutting Disc Steel

Type		Ø mm	Width	Bore	Specs
Profile	Profile				
F41	F42	100	2.5	16.00	AS36R
F41	F42	115	2.5	22.23	AS36R
F41	F42	125	2.5	22.23	AS36R
F41	F42	150	3.0	22.23	AS36R
F41	-	180	2.0	22.23	AS40R
F41	F42	180	3.0	22.23	AS36R
F41	-	230	2.0	22.23	AS40R
F41	F42	230	3.0	22.23	AS36R
F41	-	300	3.5	25.40	A30T
F41	-	355	3.5	25.40	A30T
F41	-	400	3.0	25.40	A36N



Application: Natural & artificial stone, cast iron
Fast grinding and long lifetime

Cup Wheel

Type		Ø mm	Width	Bore	Specs
Profile	Profile				
F11	-	110/100	55.0	22.23	C16NB
	-	110/100	55.0	22.23	C24NB
	-	110/100	55.0	22.23	C36NB

Ø mm	Ø inch	Peripheral speed		
		50 m/s	80 m/s	100 m/s
100	4		15.200	
110	4 3/8	8.500		
115	4 1/2		13.300	
125	5		12.200	
150	6		10.200	
180	7		8.600	
230	9		6.600	
300	12		5.100	6.300
355	14		4.400	5.400
400	16		3.800	4.700

Tool shape

F27		Grinding discs
F41		Cutting discs, flat
F42		Cutting discs, depressed
F11		Cup wheels



Definition of type characters taking 41 AS 30 T 6 BF 80 as an example

41	AS	30	T	6	BF	80
Tool shape	Type of grain	Size of grain	Hardness	Structure	Bond	max. operating speed m/s
F 41 = Cutting discs, flat	AS = tempered aluminum oxide	16 - 24 = coarse	H - K = soft	1 - 3 = densely	BF = resin bonded fibre glass reinforced	
	CS = tempered silicon carbide	30 - 60 = medium	L - O = medium	4 - 5 = medium		
		70 - 220 = fine	P - S = hard	6 - 8 = open		
			T - W = very hard	9 - 10 = very open		