

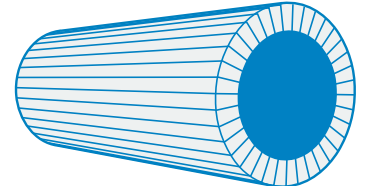
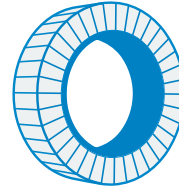


Technical Data Sheet

Product group

FALCONBRITE COMBI

Manual and Mechanical Applications



Description

These products consist of a non-woven abrasive fleece arranged in a **star shape** which is **combined** with **abrasive cloth**. These adaptable and flexible brushes achieve a uniform line pattern for technical applications, for cleaning, deburring work and decorative finishes. The additionally processed abrasive cloth greatly increases the removal rate. The hardness depends on the number of flaps applied. Combi brushes and combi rollers are available in all grain sizes, grain types, dimensions and hardnesses.

Hardness (relative hardness)

extra soft	soft *	medium	hard *	harder	very hard	extra hard
-	3	-	5	-	7	-

* Standard hardnesses

Features

- Star-shaped arranged FALCONBRITE
- Combined with abrasive cloth
- Various hardnesses
- Various degrees of grit size and various grain types
- No additional impregnation
- No clogging of the tool surface
- Flexibility adjustable
- Profileable
- Balanced
- Reproducible surfaces

Grit Size

Grit Size according to FEPA	Type of Grain	Description	Aluminium Oxide AL ₂ O ₃		Silicon Carbide SiC		Flint
			Clean & Finish	High Performance	Clean & Finish	High Performance	Clean & Finish
36	FBS	strip	-	-	-	CS 02	-
80	CRS	coarse	A 03	C 03	S 03	-	-
100	MED	medium	A 04	C 04	S 04	-	-
120	MDF	medium fine	A 05	-	-	-	-
180	FIN	fine	A 06	C 06	S 06	-	-
280	VFN	very fine	A 07	C 07	S 07	CS 07	-
500	SFN	super fine	-	-	S 08	-	T 08
800	UFN	ultra fine	-	-	S 09	CS 09	-
1000	XFN	extra fine	A 12	-	S 10	-	-
1500	XXFN	extreme extra fine	A 15	-	S 15	-	-

Applications

- Decorative and technical surfaces on steel, stainless steel, non-ferrous metal, wood, plastic, ceramic and glass
- Satinizing
- Matting
- Cleaning
- Deburring
- Fine grinding
- Roughening
- Edge rounding
- Plate and strip processing
- Woodworking
- Lacquer sanding
- Effective removal of corrosion, burrs, dirt
- Decorative, even surface finish with a defined roughness depth, e.g. stainless steel, copper and brass
- Removal of punching and firing burrs with defined edge rounding
- Matting and satinizing various metal and plastic parts



Standard Dimensions in Millimetres

Outside Ø in mm	Width in mm	Inside Ø in mm					
90	10 - 2000	35	-	-	-	-	-
100	10 - 2000	35	45	-	-	-	-
110	10 - 2000	35	45	-	-	-	-
115	10 - 2000	35	45	-	-	-	-
125	10 - 2000	50	50,8	-	-	-	-
150	10 - 2000	50	50,8	76,2	-	-	-
200	10 - 2100	76,2	90	100	-	-	-
250	10 - 2100	117	127	-	-	-	-
300	10 - 2100	127	140	146,5	150	170	-
350	10 - 2100	190	200	203	220	230	-
400	10 - 2600	240	250	254	270	-	-
450	10 - 2100	240	250	254	270	330	340
500	10 - 2100	330	340	-	-	-	-

Standard Dimensions in Inches

Outside Ø in inches	Width in inches	Inside Ø in inches					
3,5	4 - 78	1,38	-	-	-	-	-
4	4 - 78	1,38	1,77	-	-	-	-
4,33	4 - 78	1,38	1,77	-	-	-	-
4,5	4 - 78	1,38	1,77	-	-	-	-
5	4 - 78	1,96	2	-	-	-	-
6	4 - 78	1,96	2	3	-	-	-
8	4 - 82	3	3,5	4	-	-	-
10	4 - 82	4,6	5	-	-	-	-
12	4 - 82	5	5,5	5,75	5,9	6,7	-
13,75	4 - 82	7,5	7,9	8	8,66	9	-
15,75	4 - 100	9,44	9,85	10	10,6	-	-
17,75	4 - 82	9,44	9,85	10	10,6	13	13,4
20	4 - 82	13	13,4	-	-	-	-

Cutting Speeds

Recommended cutting speeds V_c in m/s depending on rotational speed V_u .

V_u r.p.m.	Outside Ø in mm									
	100	125	150	200	250	300	350	400	450	500
700	4	5	5	8	9	11	13	15	17	18
850	4	6	6	9	11	13	15	18	20	22
950	5	6	7	10	12	14	16	19	22	25
1200	6	8	10	12	16	19	22	25	28	31
1400	7	9	11	15	18	22	26	29	33	37
1600	8	11	13	17	21	25	29	33	36	42
1800	9	12	14	19	24	28	33	37	42	47
2000	10	13	15	21	26	31	37	42	47	52
2200	12	14	17	23	29	34	40	46	52	58
2400	13	15	19	25	31	37	43	50	56	63
2600	14	17	20	27	34	40	47	54	61	68
2800	15	18	22	29	37	44	51	58	65	73
3000	16	20	24	31	40	47	55	63	70	78
3200	17	21	25	33	42	50	58	67	75	84

Please **do not exceed** the maximum cutting speed on the products **under any circumstances!**

Safety Instructions



Please wear suitable hearing protection!



Please wear suitable eye protection!



Please wear suitable gloves!



Please wear a suitable dust mask!

When using our products mechanically, please follow the technical instructions of the machine manufacturer!