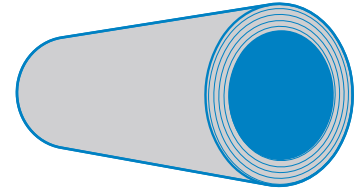
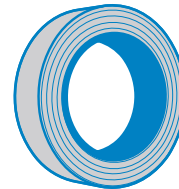




## Technical Data Sheet

### Product group

# FALCONBRITE Convolute PU-impregnated



### Description

The non-woven abrasive fleece is **convoluted** around a support tube. In addition it is permeated with a permanently elastic and wear-resistant **impregnation**. These flexible brushes are especially suitable for a uniform line drawing for technical or decorative surfaces. We deliver different hardnesses for every application.

### Hardness (relative hardness)

extra soft	soft	medium	hard	harder *	very hard	extra hard
-	-	-	5	6	7	8

\* Standard hardnesses

### Features

- Spiral wound brushes FALCONBRITE
- Various hardnesses
- Various degrees of grit size and various grain types
- Temperature resistant duroplast impregnation
- Also available as longlife impregnation
- Flexibility adjustable
- Constant hardness
- High edge stability
- Balanced

### Grit Size

Grit Size according to FEPA		Type of Grain Description	Aluminium Oxide $Al_2O_3$		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

- 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
- Descaling flame cuts
- Finishing



## Standard Dimensions in Millimetres

Outside Ø in mm	Width in mm	Inside Ø in mm					
90	10 - 1500	35	-	-	-	-	-
100	10 - 1500	35	-	-	-	-	-
110	10 - 1500	35	-	-	-	-	-
115	10 - 1500	35	-	-	-	-	-
125	10 - 1500	50	50,8	-	-	-	-
150	10 - 1500	50	50,8	76,2	-	-	-
200	10 - 1500	76,2	90	100	-	-	-
250	10 - 1500	117	127	-	-	-	-
300	10 - 1500	127	140	146,5	150	170	-
350	10 - 1500	190	200	203	220	230	-
400	10 - 1500	240	250	254	-	-	-
450	10 - 1500	240	250	254	270	330	340
500	10 - 1500	330	340	-	-	-	-

## Standard Dimensions in Inches

Outside Ø in inches	Width in inches	Inside Ø in inches					
3,5	4 - 59	1,38	-	-	-	-	-
4	4 - 59	1,38	-	-	-	-	-
4,33	4 - 59	1,38	-	-	-	-	-
4,5	4 - 59	1,38	-	-	-	-	-
5	4 - 59	1,96	2	-	-	-	-
6	4 - 59	1,96	2	3	-	-	-
8	4 - 59	3	3,5	4	-	-	-
10	4 - 59	4,6	5	-	-	-	-
12	4 - 59	5	5,5	5,75	5,9	6,7	-
13,75	4 - 59	7,5	7,9	8	8,66	9	-
15,75	4 - 59	9,44	9,85	10	-	-	-
17,75	4 - 59	9,44	9,85	10	10,6	13	13,4
20	4 - 59	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	18	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!