Cylinder Brushes



Cylinder Brushes
For manual cleaning and deburring of tubes, bores etc. Cylinder brushes are also available in other dimensions and materials. When ordering special sizes please mention full specification: total length, filling length, filling material, diameter and quantity.

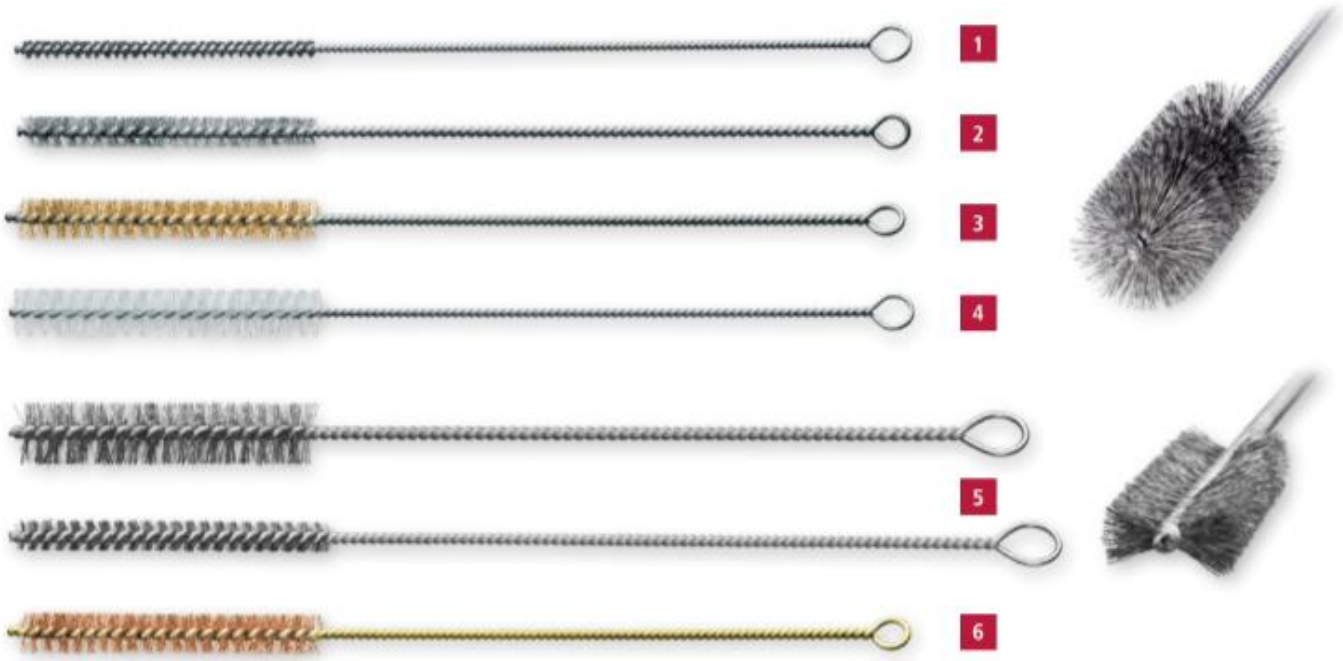
Cylinder brushes, flat filament
These flat brushes with fine, crimped steel wire are ideal for cleaning areas which are hard to reach. A typical application is removing isolation rests in channels of stators or electric motors.

Stainless Steel Brushes
Information on working on stainless steel you find at www.lessmann.com



Item Nos. in bold are available ex stock.
Consider our minimum order value for *italic printed* article numbers (see page 178).

STA	= steel wire
ROF	= stainless steel wire
MES	= brass wire
PA	= polyamide



Cylinder Brushes with Loop IBZ

				1	2	3	4
D	GL	A	Pack.	STA	ROF	MES	PA
mm | *inch*	mm | *inch*	mm | *inch*		Art.-No.	Art.-No.	Art.-No.	Art.-No.
3 | *1/8*	300 | *12*	100 | *4*	10	**542.381**	**542.541**	**542.741**	**542.881**
4 | *5/32*	300 | *12*	100 | *4*	10	**542.351**	**542.508**	**542.740**	**542.823**
5 | *13/64*	300 | *12*	100 | *4*	10	**542.347**	**542.538**	**542.739**	**542.822**
6 | *15/64*	300 | *12*	100 | *4*	10	**542.301**	**542.501**	**542.701**	**542.801**
8 | *5/16*	300 | *12*	100 | *4*	10	**542.302**	**542.502**	**542.702**	**542.802**
10 | *25/64*	300 | *12*	100 | *4*	10	**542.303**	**542.503**	**542.703**	**542.803**
12 | *15/32*	300 | *12*	100 | *4*	10	**542.304**	**542.504**	**542.704**	**542.804**
13 | *33/64*	300 | *12*	100 | *4*	10	**542.305**	*542.505*	**542.705**	available on demand
14 | *9/16*	300 | *12*	100 | *4*	10	**542.306**	*542.506*	**542.706**	**542.812**
15 | *19/32*	300 | *12*	100 | *4*	10	**542.307**	**542.507**	**542.707**	**542.807**
16 | *5/8*	300 | *12*	100 | *4*	10	**542.308**	*542.547*	*542.708*	**542.808**
18 | *45/64*	300 | *12*	100 | *4*	10	**542.309**	*542.542*	**542.709**	**542.818**
20 | *51/64*	300 | *12*	100 | *4*	10	**542.311**	**542.511**	**542.711**	**542.811**
25 | *1*	300 | *12*	100 | *4*	10	**542.313**	**542.513**	**542.713**	**542.813**
30 | *1 3/16*	300 | *12*	100 | *4*	10	**542.315**	**542.515**	**542.715**	**542.815**
35 | *1 3/8*	300 | *12*	100 | *4*	10	*542.317*	available on demand	*542.717*	available on demand
40 | *1 5/8*	300 | *12*	100 | *4*	10	**542.319**	*542.519*	**542.719**	**542.819**
50 | *2*	300 | *12*	100 | *4*	10	**542.320**	**542.520**	**542.720**	**542.820**

Hole Cleaning Brushes



Hole cleaning Brushes with Wooden Handle IBM

	D	GL	A	Filling Dia.	Pack.	1 STA	2 ROF	3 MES
	mm | *inch*	mm | *inch*	mm | *inch*			Art.-No.	Art.-No.	Art.-No.
	10 | *25/64*	300 | *12*	100 | *4*	0.15	10	**560.310**	**560.510**	**560.710**
	15 | *19/32*	300 | *12*	100 | *4*	0.20	10	**560.315**	**560.515**	**560.715**
	20 | *51/64*	300 | *12*	100 | *4*	0.20	10	**560.320**	**560.520**	**560.720**
	25 | *1*	300 | *12*	100 | *4*	0.25	10	**560.325**	**560.525**	**560.725**
	30 | *1 3/16*	300 | *12*	100 | *4*	0.25	10	**560.330**	**560.530**	**560.730**
4	10/18 | *25/64 / 45/64*	200 | *8*	70 | *2 3/4*	0.15	10	**561.304***		

* conical filling

5 Cylinder Brushes with Shank 8 mm Ø IBG

D	GL	A	Filling Dia.	RPM	Pack.	STA
mm | *inch*	mm | *inch*	mm | *inch*		max.		Art.-No.
13 | *33/64*	200 | *8*	55 | *2 11/64*	0.15	1.000	10	**503.311**
20 | *51/64*	200 | *8*	55 | *2 11/64*	0.20	1.000	10	**503.313**
26 | *1 1/32*	200 | *8*	55 | *2 11/64*	0.25	800	10	**503.314**
32 | *1 17/64*	200 | *8*	55 | *2 11/64*	0.25	800	10	**503.316**
38 | *1 1/2*	200 | *8*	55 | *2 11/64*	0.30	800	10	**503.318**

Hole Cleaning Brushes

Those hole cleaning brushes have a wooden handle. Hence the brushes allow a very comfortable working in various application fields.

Typically the brushes are used in construction industry or handcraft business for cleaning bore holes or slots.

Besides, Hole Cleaning Brushes are ideal for cleaning threads or deburring cross holes.

Mechanical Application

Only use the brush with the indicated maximal peripheral speed (RPM max.). The max. RPM only is allowed when the brush is clamped min. for 10 mm into the tool. When the brush is inserted into the suitable work piece, higher RPMs are possible. **Only use the brush right rotating.**



Knot Wheel Brushes



Knot Wheel Brushes
Knot wheel brushes for grinders, angle grinders and stationary machines used in the preparation and reworking of bolt fillet and butt welds. They remove scale, rust, paint, slag, rubber residue and can be used for deburring.

Knot Wheel Brushes with multiple Rows
Ready mounted brushes with multiple rows have a dense filling compared to single segment brushes, which are assembled together. In your order please state the width of the brush, bore size and type and thickness of wire.

The listed knot wheel brushes are for the use in stationary machines.

Stainless Steel Brushes
LESSMANN-brushes with stainless steel have green side plates. We use wire with material number 1.4310. Material number 1.4401 can be used on request.
Information on working on stainless steel you find at www.lessmann.com

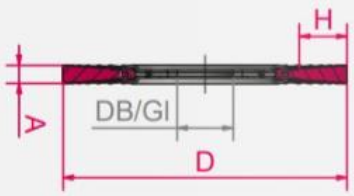
All knots on our standard twisted wire wheel brushes are left hand twisted in order to minimize the undoing of the knots should the brush be used incorrectly.
On request we can supply right hand twist brushes.

In addition to brushes with left or right knotted, we also offer left-right knotted brushes.

Left-right knotted wheel brushes usually are more aggressive, hence they are often used for heavy brushing operations.
Besides the knots open less, therefore there are ideal for the treatment of edges.

User Tip:
We recommend to turn the brush during use in order to maintain sharpened wire ends.

On request other bores and wire diameter are available.



ZF = Knot type
Z = number of knots, **R** = number of rows

Item Nos. in bold are available ex stock.
Consider our minimum order value for *italic printed* article numbers (see page 178).

STM	= brass coated steel, straight
STH	= steel wire, high tensile, straight
ROH	= stainless steel wire, high tensile, straight

X-Lock Mount
Our wheel brushes with X-Lock-mount can be found on page 66.



Attention!
Starting in summer 2023, we will gradually convert all threads to star shape.

Knot Wheel Brushes, Steel Wire, Brass Wire

D	A	DB/GI	H	Z	ZF	R	RPM	Pack.	STH 0.35 | *0.014"*	STH 0.50 | *0.020"*	STH 0.80 | *0.031"*	STM 0,50 | *0.020"*	*left-right knotted* STH 0.50 | *0.020"*
mm | *inch*	mm | *inch*	mm | *inch*					max.		Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.
75 | *3*	10 | *3/8*	13 | *1/2*	15	18	B	1	25,000	1	**470.111***	**470.211***			
100 | *4*	12 | *1/2*	M 14 x 2,0	22	18	B	1	12,500	1	**471.117***	**471.217***			
115 | *4 1/2*	14 | *1/2*	22.2 | *7/8*	24	20	B	1	12,500	1	**472.111***	**472.211***		**472.211.SM***	**472.211.WZ***
115 | *4 1/2*	14 | *1/2*	M 14 x 2,0	24	20	B	1	12,500	1	**472.117***	**472.217***			
125 | *5*	14 | *1/2*	22.2 | *7/8*	29	20	B	1	12,500	1	**473.111***	**473.211***		**473.211.SM***	**473.211.WZ***
125 | *5*	14 | *1/2*	M 14 x 2,0	29	20	B	1	12,500	1	**473.117***	**473.217***			**473.217.WZ***
125 | *5*	14 | *1/2*	22.2 | *7/8*	29	24	B	1	12,500	1		**473.211.24**			
150 | *6*	14 | *1/2*	22.2 | *7/8*	32	26	B	1	12,500	1	**474.111***	**474.211***	*474.311*		
150 | *6*	14 | *1/2*	M 14 x 2,0	32	26	B	1	12,500	1	*474.117**	**474.217***	*474.317*		
178 | *7*	14 | *1/2*	22.2 | *7/8*	38	32	B	1	12,500	1	**475.111***	**475.211***	**475.311**		
178 | *7*	14 | *1/2*	M 14 x 2,0	38	32	B	1	12,500	1	*475.117**	**475.217***	*475.317*		
200 | *8*	14 | *1/2*	22.2 | *7/8*	41	36	B	1	9,000	1	**476.111**	**476.211**	**476.311**		
200 | *8*	14 | *1/2*	50.8 | *2*	41	36	B	1	9,000	1		*476.210.51*	available on demand		
230 | *9 1/16*	14 | *1/2*	22.2 | *7/8*	56	40	B	1	9,000	1		*475.211*			
250 | *10*	15 | *5/8*	50.8 | *2***	42	52	O	1	5,000	1		**477.210.75**	*477.310.75*		
300 | *12*	15 | *5/8*	50.8 | *2***	56	58	O	1	5,000	1		*478.210.75*	*478.310.75*		

Pipeline Brushes / Stringer Bead Brushes

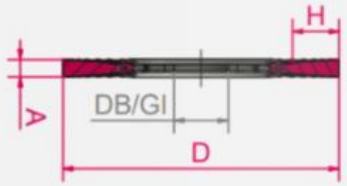


Pipeline-Brushes / Stringer Bead Brushes
LESSMANN-Pipelinebrushes are specially developed for professional use on U- and V-welds in the pipeline industry.

The remarkable features of the high quality LESSMANN Pipeline Brushes are the long lifetime and the quietness of running. They are especially narrow and therefore they are the perfect tool for cleaning all welds at tube connections.

Pipeline Brushes / Stringer Bead Brushes, left-right knotted
Left-right knotted pipeline brushes usually are more aggressive, hence they are often used for heavy brushing operations.
Besides the knots open less, therefore there are ideal for the treatment of edges.

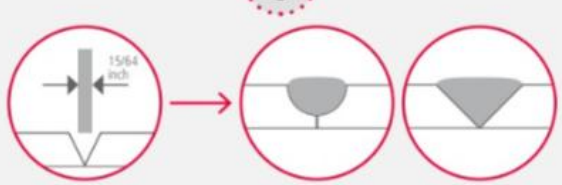




ZF = Knot type
Z = number of knots

Item Nos. in bold are available ex stock.
Consider our minimum order value for *italic printed* article numbers (see page 178).

STH = steel wire, high tensile, straight



The narrow design is ideal for U and V welds

Attention!
Starting in summer 2023, we will gradually convert all threads to star shape.







Pipeline-Brushes / Stringer Bead Brushes, Steel Wire							Bo. 22.2 | *7/8"*	M 14 x 2.0	5/8" - 11 UNC
D mm | *inch*	A mm | *inch*	H	Z	ZF	RPM max.	Pack.*	**STH 0.50** | *0.020"* Art.-No.	**STH 0.50** | *0.020"* Art.-No.	**STH 0.50** | *0.020"* Art.-No.
100 | *4*	6 | *1/4*	19	28	D	20,000	10	available on demand	**471.207.28**	*471.208.28*
115 | *4 1/2*	6 | *1/4*	22	32	D	15,000	1	**472.201.EZ**		
115 | *4 1/2*	6 | *1/4*	22	32	D	15,000	5/10	**472.201.32**	*472.207.32*	*472.208.32*
115 | *4 1/2*	6 | *1/4*	22	39	D	15,000	10	**472.201.39**	available on demand	available on demand
125 | *5*	6 | *1/4*	26	40	D	15,000	1	**473.201.EZ**		
125 | *5*	6 | *1/4*	26	40	D	15,000	5/10	**473.201.40**	**473.207.40**	*473.208.40*
150 | *6*	6 | *1/4*	30	48	D	12,500	5/10	**474.201.48**	*474.207.48*	*474.208.48*
178 | *7*	6 | *1/4*	36	48	D	12,500	1	**475.201.EZ**		
178 | *7*	6 | *1/4*	36	48	D	12,500	5/10	**475.201.48**	*475.207.48*	*475.208.48*
178 | *7*	6 | *1/4*	30	56	D	12,500	5/10	**475.201.56**	*475.207.56*	*475.208.56*
178 | *7*	6 | *1/4*	30	76	D	12,500	5/10	**475.201.76**	*475.207.76*	*475.208.76*
230 | *9 1/16*	6 | *1/4*	56	76	D	12,500	1	*475.201.76*		

Pipeline Brushes / Stringer Bead Brushes





Pipeline-Brushes / Stringer Bead Brushes, Stainless Steel							Bo. 22.2 | *7/8"*	M 14 x 2.0	5/8" - 11 UNC
D mm | *inch*	A mm | *inch*	H	Z	ZF	RPM max.	Pack.*	**ROH 0.50** | *0.020"* Art.-No.	**ROH 0.50** | *0.020"* Art.-No.	**ROH 0.50** | *0.020"* Art.-No.
100 | *4*	6 | *1/4*	19	28	D	20,000	10	available on demand	**471.807.28**	*471.808.28*
115 | *4 1/2*	6 | *1/4*	22	32	D	15,000	1	**472.801.EZ**		
115 | *4 1/2*	6 | *1/4*	22	32	D	15,000	5/10*	**472.801.32**	*472.807.32*	*472.808.32*
115 | *4 1/2*	6 | *1/4*	22	39	D	15,000	10	**472.801.39**	available on demand	available on demand
125 | *5*	6 | *1/4*	26	40	D	15,000	1	**473.801.EZ**		
125 | *5*	6 | *1/4*	26	40	D	15,000	5/10*	**473.801.40**	**473.807.40**	*473.808.40*
150 | *6*	6 | *1/4*	30	48	D	12,500	5/10*	**474.801.48**	*474.807.48*	*474.808.48*
178 | *7*	6 | *1/4*	36	48	D	12,500	5/10*	**475.801.48**	*475.807.48*	*475.808.48*
178 | *7*	6 | *1/4*	30	56	D	12,500	5/10*	*475.801.56*	*475.807.56*	*475.808.56*
178 | *7*	6 | *1/4*	30	76	D	12,500	5/10*	*475.801.76*	*475.807.76*	*475.808.76*

* Brushes with thread = packed 5 pieces per carton, brushes with bore = packed 10 pieces per carton

Stainless Steel Brushes

LESSMANN Pipeline Brushes with stainless steel wire have green side plates. We use wire with material number 1.4310. Material number 1.4401 can be used on request.
Information on working on stainless steel you find at www.lessmann.com

Cup Brushes



Cup Brushes
Knot cup brushes are for heavy duty use: for the preparing of metal surfaces before painting, the removal of slag, rust, scale or concrete waste.
The brushes diameter 80/100/125 mm (Art. No. 484/486/487) have a **bridle** fitted for stability. The bridle can be removed after wear of the wire exposing a further 20 mm of useable wire!

User tip: We recommend the use of our brush with diameter 90 mm for small angle grinders. Compared to the common brush with diameter 65 mm this model has 50 % more wire and it is really something special in the brush market!

Cup brushes with narrow knots
Our new range of cup brushes with narrower six millimetre knots is optimized for usage on flat surfaces, weld seams and firmly attached dirt:

- Improved removal rate, therefore more efficient working
- Less imbalance, therefore quieter working
- Long lifetime
- Attractive price-performance ratio

Knot Cup Brushes with extra long filling
For the use on large areas and for a flexible cleaning and derusting of e.g. shipyards. For a use in angle grinders. Easy working also in areas which are hard to reach.

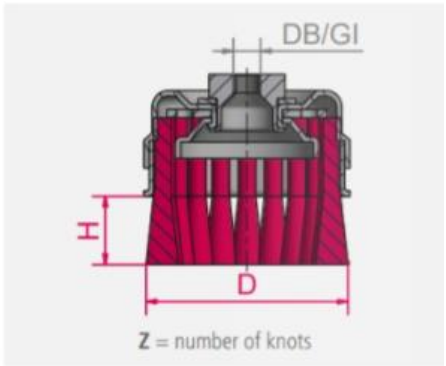
Cup Brushes, left-right knotted
Left-right knotted cup brushes usually are more aggressive, hence they are often used for heavy brushing operations.
Besides the knots open less, therefore they are ideal for the treatment of edges.

Cup Brushes
Cup brushes with crimped wire are ideal for working on large surfaces with angle grinders. They can also be used for the removal of rust, paint, dirt or scale and for polishing.

Special Designs
The cup brushes can be delivered with different filling materials according to your requirements e. g. brushes with brass cups and brass wire for non-sparkling applications.

For promoting sales all standard wheel brushes are packed individually for self display. They are also available in bulk.





Z = number of knots



Attention!
Starting in summer 2023, we will gradually convert all threads to star shape.

Knot Cup Brushes without Bridle, 1 Row, Steel Wire, Brass coated Steel Wire

	D mm | *inch*	GI	H mm | *inch*	Z	RPM max.	Pack.	STH 0.35 | *0.014"* Art.-No.	STH 0.50 | *0.020"* Art.-No.	STH 0.80 | *0.031"* Art.-No.	5 STM 0.35 | *0.014"* Art.-No.	5 STM 0.50 | *0.020"* Art.-No.
1	65 | *2 1/2*	M 10 x 1.5	20 | *3/4*	18	12,500	1	**482.114***	**482.214***	available on demand		
1	65 | *2 1/2*	M 14 x 2.0	20 | *3/4*	18	12,500	1	**482.117***	**482.217***	**482.317***	**482.117.SM***	**482.217.SM***
1	75 | *3*	M 14 x 2.0	20 | *3/4*	20	12,500	1	**483.117***	**483.217***	*483.317*		
2	90 | *3 1/2*	M 14 x 2.0	22 | *7/8*	20	11,500	1	*485.137**	**485.237***	*485.337*		**485.237.SM***
3	100 | *4*	M 14 x 2.0	25 | *1*	26	9,000	1	available on demand	**486.237***	available on demand		
3	125 | *5*	M 14 x 2.0	25 | *1*	32	7,000	1	available on demand	**487.237**	available on demand		
3	150 | *6*	M 14 x 2.0	30 | *1 1/4*	36	6,600	1	available on demand	**488.237**	available on demand		
3	150 | *6*	5/8"-11 UNC	30 | *1 1/4*	36	6,600	1	available on demand	*488.238*	available on demand		
4	65 | *2 1/2*	M 14 x 2.0	20 | *3/4*	18	12,500	1	available on demand	**482.217.WZ***			

6 Cup brushes with narrow knots

D mm | *inch*	GI	H mm | *inch*	Z	RPM max.	Pack.	STH 0,50 | *0.020"* Art.-No.
65 | *2 1/2*	M14 x 2,0	20 | *3/4*	30	12,500	1	**482.207**
65 | *2 1/2*	5/8" – 11 UNC	20 | *3/4*	30	12,500	1	*482.208*
65 | *2 1/2*	M10 x 1,5	20 | *3/4*	30	12,500	1	*482.204*

7 Knot Cup Brushes, without Bridle, 1 Row, Steel Wire, with extra long filling

D mm | *inch*	GI	H mm | *inch*	Z	RPM max.	Pack.	STH 0.35 | *0.014"* Art.-No.	STH 0.50 | *0.020"* Art.-No.
80 | *3 1/4*	M 14 x 2.0	33 | *1 1/4*	18	12,500	25	**480.117**	*480.217*



Knot Cup Brushes with Bridle, 1 Row, Steel Wire

							1		
D	DB/GI	H	H_1	Z	RPM	Pack.	**STH 0.35** | *0.014"*	**STH 0.50** | *0.020"*	**STH 0.80** | *0.031"*
mm | *inch*	mm | *inch*	mm | *inch*	mm | *inch*		max.		Art.-No.	Art.-No.	Art.-No.
80 | *3 1/4*	22.2 | *7/8*	25 | *1*	15 | *5/8*	20	9,000	1			**484.311***
80 | *3 1/4*	M 14 x 2.0	25 | *1*	15 | *5/8*	20	9,000	1	**484.117***	**484.217***	**484.317***
80 | *3 1/4*	5/8" - 11 UNC	25 | *1*	15 | *5/8*	20	9,000	1	*484.118*	**484.218**	*484.318*
100 | *4*	22.2 | *7/8*	23 | *7/8*	12 | *1/2*	26	9,000	1	**486.111**	**486.211***	**486.311***
100 | *4*	M 14 x 2.0	23 | *7/8*	12 | *1/2*	26	9,000	1	**486.117***	**486.217***	**486.317***
100 | *4*	5/8" - 11 UNC	23 | *7/8*	12 | *1/2*	26	9,000	1	*486.118*	**486.218***	*486.318**
125 | *5*	22.2 | *7/8*	23 | *7/8*	15 | *5/8*	32	6,600	1			*487.311***
125 | *5*	M 14 x 2.0	23 | *7/8*	15 | *5/8*	32	6,600	1	**487.117**	**487.217**	**487.317**
125 | *5*	5/8" - 11 UNC	23 | *7/8*	15 | *5/8*	32	6,600	1	*487.118*	**487.218**	*487.318*

Cup Brushes



Cup Brushes with Crimped Wire

					1			2		3
D	DB/GI	H	RPM	Pack.	STA 0.20 | *0.008"*	STA 0.35 | *0.014"*	STA 0.50 | *0.020"*	ROF 0.35|*0.012"*	RO4 0.30|*0.012"*	MES 0.30 | *0.012"*
mm | *inch*	mm | *inch*		max.		Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.
65 | *2 3/8*	M 10 x 1,5	20	12,000	1		**421.164**[1]		*421.364*		*421.564*
65 | *2 3/8*	M 14 x 2.0	20	12,000	1	**421.147**	**421.167**[1]	**421.197**	**421.367**[1]	**421.467**[1]	**421.567**[1]
75 | *3*	M 14 x 2.0	22	12,500	1		**423.167**[1]	on demand	**423.367**[1/2]		on demand
75 | *3*	5/8" - 11 UNC	22	12,500	1		**423.168**[1]	on demand	**423.368**[2]		on demand
80 | *3 1/4*	22.2 | *7/8*	25	8,500	1		**424.171**[1]	on demand	*424.361*		on demand
80 | *3 1/4*	M 14 x 2.0	25	8,500	1	**424.147**	**424.177**[1]	**424.197**	**424.367**[1]		**424.567**
80 | *3 1/4*	5/8" - 11 UNC	25	8,500	1		*424.178*	*424.198*	*424.368*		on demand
100 | *4*	22.2 | *7/8*	30	9,000	1		**426.171**[1]		*426.361*		
100 | *4*	M 14 x 2.0	30	9,000	1	**426.147**[1]	**426.177**[1]	**426.197**[1]	**426.367**[1]		**426.567**
100 | *4*	5/8" - 11 UNC	30	9,000	1		**426.178**[1]	*426.198*	*426.368*		*426.568*
125 | *5*	22.2 | *7/8*	30	8,000	1		**427.171**[3]	on demand	on demand		on demand
125 | *5*	M 14 x 2.0	30	8,000	1	**427.147**	**427.177**	**427.297**	**427.367**[1]		**427.567**[1]
125 | *5*	5/8" - 11 UNC	30	8,000	1		**427.178**	*427.298*			
150 | *6*	22.2 | *7/8*	40	6,500	1		**429.171**				
150 | *6*	M 14 x 2.0	40	6,500	1		**429.177**	*429.197*	*429.367*		
150 | *6*	5/8" - 11 UNC	40	6,500	1		*429.178*	*429.198*			

Single Segment Brushes





Single Segment Wheel Brushes, Steel Wire, Cord Wire

								1		2
D	R	EBD	H	$DB_{Stand.}$	$DB_{min./max.}$	RPM	Pack.	**STA 0.20** | *0.008"*	**STA 0.30** | *0.012"*	**STL 0.35** | *0.014"*
mm | *inch*				mm | *inch*		max.		Art.–No.	Art.–No.	Art.–No.
80 | *3 1/4*	26	12	17	12 | *1/2*	12–16	12,000	5	*310.141*	**310.161**	available on demand
100 | *4*	30	12	21	12 | *1/2*	12–20	8,000	5	**320.141**	**320.161**	*320.707*
125 | *5*	30	12	33	12 | *1/2*	12–20	8,000	5	*330.141*	**330.161**	available on demand
125 | *5*	40	12	29	12 | *1/2*	12–25	8,000	5	available on demand	*331.161*	available on demand
150 | *6*	50	14	32	12 | *1/2*	12–30	6,000	5	**340.141**	**340.161**	*340.707*
178 | *7*	50	14	46	12 | *1/2*	12–30	6,000	5	*350.141*	**350.161**	available on demand
178 | *7*	60	16	41	12 | *1/2*	12–40	6,000	5	*351.141*	*351.161*	*351.707*
200 | *8*	60	16	52	12 | *1/2*	12–40	6,000	5	*361.141*	*361.161*	available on demand
200 | *8*	80	16	43	16 | *5/8*	16–60	6,000	5	*362.141*	*362.161*	*362.707*
200 | *8*	100	16	32	16 | *5/8*	16–80	6,000	5	**360.141**	**360.161**	*360.707*
250 | *10*	100	16	57	16 | *5/8*	16–80	6,000	5	*370.141*	**370.161**	available on demand
250 | *10*	120	16	45	20 | *3/4*	20–100	3,600	5	*371.141*	*371.161*	available on demand
300 | *12*	120	16	70	20 | *3/4*	20–100	3,600	5	*380.141*	*380.161*	available on demand
300 | *12*	150	19	55	25.4 | *1*	25.4–130	3,600	5		*381.161*	

Do It Yourself Brushes



D.I.Y Brushes with Shank
Do It Yourself brushes are an excellent alternative to the professional tools previously shown in this catalogue. Available are cup brushes from diameter 50–75 mm, wheel brushes diameter 50–100 mm, end brushes and cylinder brushes.

Stainless Steel Brushes
Information on working on stainless steel you find at www.lessmann.com

Attractive assortment
Coarse and fine steel wire, brass wire and abrasive filaments are available as filling materials.

The brushes are packed in small display cartons, 10 pieces per carton.

We offer different packaging to present these and other common brushes with shanks in specialist shops.

Item Nos. in bold are available ex stock.
Consider our minimum order value for *italic printed* article numbers (see page 178).

STA	= steel wire, crimped
ROF	= stainless steel wire
MES	= brass wire, crimped
SIC	= silicon carbide bristles

1 Wheel Brushes with Shank Ø 6 mm

D mm | *inch*	A mm | *inch*	RPM max.	Pack.	STA 0.25 | *0.010"*	STA 0.35 | *0.014"*	ROF 0.20 | *0.008"* Art.-No.	ROF 0.30 | *0.012"* Art.-No.
50 | *2*	7 | *1/4*	4,500	10	**410.122***	**410.123****		
75 | *3*	8 | *3/8*	4,500	10	**410.132**	**410.133**	**410.134**	**410.135**
75 | *3*	12 | *1/2*	4,500	10		**410.173**		
100 | *4*	10 | *3/8*	4,500	10	**410.152**	**410.153**	**410.154**	**410.155**
100 | *4*	15 | *5/8*	4,500	10		**410.183**		**410.185**

						2	
D mm | *inch*	A mm | *inch*	RPM max.	Pack.	MES 0.20 | *0.008"* Art.-No.	MES 0.25 | *0.010"* Art.-No.	SIC 80/1.2 Art.-No.	SIC 180/0.9 Art.-No.
75 | *3*	8 | *3/8*	4,500	10		**410.136**	**410.138**	
100 | *4*	10 | *3/8*	4,500	10	**410.156**		**410.158**	*410.159*

1



2



3





4



5



3 Cup Brushes with Shank Ø 6 mm

D	RPM	Pack.	STA 0.20 | *0.008"*	STA 0.30 | *0.012"*	ROF 0.20 | *0.008"*	ROF 0.30 | *0.012"*
mm | *inch*	max.		Art.-No.	Art.-No.	Art.-No.	Art.-No.
50 | *2*	4,500	10	**430.122**	**430.123**	**430.124**	**430.125**
75 | *3*	4,500	10	**430.132**	**430.133**	**430.134**	**430.135**

				4	
D	RPM	Pack.	MES 0.30 | *0.012"*	SIC 80/1.2	SIC 320/0.6
mm | *inch*	max.		Art.-No.	Art.-No.	Art.-No.
50 | *2*	4,500	10	**430.126**	**430.128**	**430.129**
75 | *3*	4,500	10	**430.136**	**430.138**	**430.139**



Cup Brushes with Shank Ø 6 mm

D	A	H	RPM	Pack.	1				2	
mm | *inch*	mm | *inch*	mm | *inch*	max.		STA 0.20 | *0.008"*	STA 0.30 | *0.012"*	ROF 0.20 | *0.008"*	ROF 0.30 | *0.012"*	MES 0.20 | *0.008"*	MES 0.30 | *0.012"*
					Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.
40 | *1 3/8*	15 | *5/8*	20 | *3/4*	10,500	10	**434.142**	**434.162**	*434.342*	**434.362**	**434.542**	
50 | *2*	16 | *5/8*	20 | *3/4*	10,500	10	**435.142**	**435.162**	*435.342*	**435.362**	**435.542**	**435.562**
60 | *2 3/8*	18 | *3/4*	25 | *1*	8,000	10	available on demand	**436.162**	available on demand	**436.362**	available on demand	
70 | *2 3/4*	20 | *3/4*	25 | *1*	6,000	10	**437.142**	**437.162**	*437.342*	**437.362**	**437.542**	

3 Cup Brushes with Shank Ø 6 mm and plastic cup

D	A	H	RPM	Pack.	ROF 0.20 | *0.008"*	ROF 0.25 | *0.010"*	ROF 0.30 | *0.012"*
mm | *inch*	mm | *inch*	mm | *inch*	max.		Art.-No.	Art.-No.	Art.-No.
40 | *1 3/8*	20 | *3/4*	30 | *1 1/4*	15,000	10	**434.345**	**434.355**	**434.365**
50 | *2*	25 | *1*	28 | *1 7/64*	10,500	10	**435.345**	**435.355**	**435.365**

4 Cup Brushes with Shank Ø 6 mm, Silicon Carbide Bristles

D	A	H	RPM	Pack.	SIC 80/1.2	SIC 320/0.6
mm | *inch*	mm | *inch*	mm | *inch*	max.		Art.-No.	Art.-No.
50 | *2*	10 | *3/8*	20 | *3/4*	4,500	10	**430.128**	**430.129**
75 | *3*	15 | *5/8*	22 | *7/8*	4,500	10	**430.138**	**430.139**

5 Knot Cup Brushes with Shank Ø 6 mm, Steel Wire

D	H	Z	RPM	Pack.	STH 0.50 | *0.020"*
mm | *inch*	mm | *inch*	mm | *inch*	max.		Art.-No.
75 | *3*	20 | *3/4*	18 | *3/4*	8,500	10	**483.230**

6 Bevel Brushes with Shank Ø 6 mm

D	A	H	RPM	Pack.	STA 0.30	ROF 0.30
mm | *inch*	mm | *inch*	mm | *inch*	max.		Art.-No.	Art.-No.
70 | *2 3/4*	10 | *3/8*	15 | *5/8*	15,000	10	**4K7.161**	**4K7.361**
90 | *3 3/4*	12 | *1/2*	25 | *1*	12,000	10	**4K9.161**	**4K9.361**

Sleeves Brushes Conical, without Thread

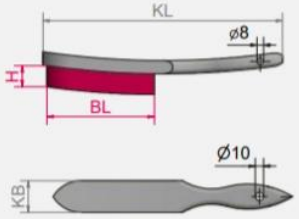
	D mm | *inch*	GL mm | *inch*	A mm | *inch*	RPM max.	Pack.	**Single Spirale IBE** STA crimped Art.-No.	**Double Spirale IBD** STA straight Art.-No.
3	10-20 | *25/64 - 51/64*	170 | *6 3/4*	100 | *4*	1,000	10	**541.372**	**549.101**
	15-25 | *19/32 - 1*	170 | *6 3/4*	100 | *4*	1,000	10	**540.321**	**549.102**
	20-30 | *51/64 - 1 3/16*	170 | *6 3/4*	100 | *4*	1,000	10	**541.373**	**549.103**
	25-35 | *1 - 1 3/8*	170 | *6 3/4*	100 | *4*	1,000	10	**540.323**	**549.104**
	32-42 | *1 17/64 -1 5/8*	170 | *6 3/4*	100 | *4*	1,000	5	**540.324**	**549.105**
	40-50 | *1 5/8 - 2*	170 | *6 3/4*	100 | *4*	1,000	5	**540.325**	**549.106**
	38-70 | *1 1/2 - 2 3/4*	170 | *6 3/4*	100 | *4*	1,000	5	*540.225*	**549.107**
	60-95 | *2 3/8 - 3 3/4*	170 | *6 3/4*	100 | *4*	1,000	5	**540.327**	**549.108**

Special Hand Brushes



Special Hand Brushes

	Filling	Rows	KL	KB	Bl	H	Pack.	Art.-No.
1	**Rivet Brushes**		mm | *inch*	mm | *inch*	mm | *inch*	mm | *inch*		
	STA straight 0.35 | *0.014"*	3 x 15	290 | *11 3/8*	35 | *1 1/2*	135 | *5 3/8*	35 | *1 1/2*	12	**120.801**
	ROF straight 0.35 | *0.014"*	3 x 15	290 | *11 3/8*	35 | *1 1/2*	135 | *5 3/8*	35 | *1 1/2*	12	**120.811**
	RO8 straight 0.30 | *0.012"*	3 x 15	290 | *11 3/8*	35 | *1 1/2*	135 | *5 3/8*	35 | *1 1/2*	12	**120.831**
	ROF straight 0.35 | *0.014"* with Plastic Handles	3 x 15	290 | *11 3/8*	31 | *1 1/4*	135 | *5 3/8*	35 | *1 1/2*	12	**185.811**
2	**Hand Brushes with Scraper**							
	STA straight 0.35 | *0.014"*	4 x 15	290 | *11 3/8*	33 | *1 1/4*	130 | *5 1/8*	25 | *1*	12	**120.401**
	STA straight 0.35 | *0.014"*	6 x 15	290 | *11 3/8*	38 | *1 1/2*	130 | *5 1/8*	25 | *1*	12	*120.601*
	ROF straight 0.35 | *0.014"*	4 x 15	290 | *11 3/8*	33 | *1 1/4*	130 | *5 1/8*	25 | *1*	12	*120.412*
3	**Hand Brushes Heavy Duty**							
	STA straight 0.35 | *0.014"*	2 x 16	290 | *11 3/8*	30 | *1 1/4*	150 | *6*	32 | *1 1/4*	12	**136.101**
	STA straight 0.35 | *0.014"*	3 x 16	290 | *11 3/8*	35 | *1 1/2*	150 | *6*	32 | *1 1/4*	12	**136.102**
	STA straight 0.35 | *0.014"*	4 x 16	290 | *11 3/8*	40 | *1 3/8*	150 | *6*	32 | *1 1/4*	12	**136.103**
	Hand Brushes Export Model							
4	**STA** straight 0.35 | *0.014"*	4 x 17	300 | *12*	30 | *1 1/4*	130 | *5 1/8*	25 | *1*	12	**122.401**
5	**STA** straight 0.35 | *0.014"*	4 x 19	350 | *14*	30 | *1 1/4*	160 | *6 3/8*	30 | *1 1/4*	6	**122.801**
6	**BRO** straight 0.30 | *0.012"*	3 x 19	350 | *14*	25 | *1*	153 | *6 1/32*	30 | *1 1/4*	6	**122.771**
	BRO straight 0.30 | *0.012"*	4 x 19	350 | *14*	30 | *1 1/4*	150 | *6*	30 | *1 1/4*	6	**122.821**
	BRO straight 0.30 | *0.012"*	5 x 19	350 | *14*	30 | *1 1/4*	153 | *6 1/32*	30 | *1 1/4*	6	*122.871*
7	**Universal Wire Brushes**							
	STM crimped 0.30 | *0.012"*	1	260 | *10 1/4*	10 | *3/8*	135 | *5 3/8*	28 | *1*	24	**056.001**
	STA crimped 0.35 | *0.014"*	1	260 | *10 1/4*	10 | *3/8*	135 | *5 3/8*	28 | *1*	24	**056.301**
	ROF crimped 0.30 | *0.012"*	1	260 | *10 1/4*	10 | *3/8*	135 | *5 3/8*	28 | *1*	24	**056.501**
	MES crimped 0.30 | *0.012"*	1	260 | *10 1/4*	10 | *3/8*	135 | *5 3/8*	28 | *1*	24	**056.701**



Item Nos. in bold are available ex stock.
Consider our minimum order value for *italic printed* article numbers (see page 178).

STA	= steel wire
STM	= brass coated steel
ROF	= stainless steel wire
RO4	= stainless steel wire, premium-quality
RO8	= stainless steel wire, extremely heat resistant
MES	= brass wire
BRO	= bronze wire

Hand Brushes Standard



Hand Brushes

	Rows >	1	2	3	4	5	6
	Filling Pack.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.
1	**STA** straight 0.35 | *0.014"* 12	**100.011**	**100.021**	**100.031**	**100.041**	**100.051**	**100.061**
	STA straight 0.35 | *0.014"* 100		**100.020**	**100.030**	**100.040**	**100.050**	
	STM crimped 0.30 | *0.012"* 12		**105.421**	**105.431**	**105.441**	**105.451**	*105.461*
	STA crimped 0.20 | *0.008"* 12			**102.431**	**102.441**		
	STA crimped 0.30 | *0.012"* 12	**102.611**	**102.621**	**102.631**	**102.641**	**102.651**	**102.661**
2	**ROF** crimped 0.15 | *0.006"* 12		**104.321**	**104.331**	**104.341**		
	ROF crimped 0.20 | *0.008"* 12		**104.421**	**104.431**	**104.441**	**104.451**	
	ROF crimped 0.35 | *0.014"* 12	**104.611**	**104.621**	**104.631**	**104.641**	**104.651**	**104.661**
	ROF straight 0.35 | *0.014"* 12	**103.711**	**103.721**	**103.731**	**103.741**	**103.751**	**103.761**
	RO8 straight 0.30 | *0.012"* 12			**105.731**	**105.741**		
3	**MES** crimped 0.15 | *0.006"* 12		**107.321**	**107.331**	**107.341**	**107.351**	
	MES crimped 0.25 | *0.010"* 12	*107.411*	**107.421**	**107.431**	**107.441**	**107.451**	*107.461*
	MES crimped 0.35 | *0.014"* 12	*107.611*	**107.621**	**107.631**	**107.641**	**107.651**	**107.661**
	MES straight 0.35 | *0.014"* 12		**106.621**	**106.631**	**106.641**	**106.651**	
	BRO crimped 0.20 | *0.008"* 12			*108.331*	**108.341**	*108.351*	
	BRO crimped 0.40 | *0.016"* 12				*108.041*		
	PA straight 0.40 | *0.016"* 12			**109.431**	**109.441**	**109.451**	
4	**FIB** 12				**109.741**		

Spark Plug Brushes



Spark Plug Brushes

	Filling	Rows	KL mm | *inch*	KB mm | *inch*	BL mm | *inch*	H mm | *inch*	Pack.	Art.-No.
1	**MES** crimped 0.15 | *0.006"*	2 x 5	100 | *4*	15 | *5/8*	25 | *1*	15 | *5/8*	12	**125.111**
2	**MES** crimped 0.15 | *0.006"*	3 x 5/6	150 | *6*	15 | *5/8*	40 | *1 3/8*	15 | *5/8*	12	**125.211**
	STA crimped 0.15 | *0.006"*	3 x 5/6	150 | *6*	15 | *5/8*	40 | *1 3/8*	15 | *5/8*	12	**125.201**
	ROF crimped 0.15 | *0.006"*	3 x 5/6	150 | *6*	15 | *5/8*	40 | *1 3/8*	15 | *5/8*	12	**125.231**
	MES crimped 0.15 | *0.006"* / PP	3 x 5/6	150 | *6*	15 | *5/8*	40 | *1 3/8*	15 | *5/8*	12	**125.221**
	MES crimped 0.15 | *0.006"*	3 x 5/6	150 | *6*	15 | *5/8*	40 | *1 3/8*	15 | *5/8*	12	**125.311***
	ROF crimped 0.20 | *0.008"*	3 x 5/6	150 | *6*	15 | *5/8*	40 | *1 3/8*	15 | *5/8*	12	**125.241**
	PA straight 0.30 | *0.012"*	3 x 5/6	150 | *6*	15 | *5/8*	40 | *1 3/8*	15 | *5/8*	12	**125.251**
3	**BRO** crimped 0.15 | *0.006"*	3 x 5/6	200 | *8*	15 | *5/8*	40 | *1 3/8*	15 | *5/8*	12	**132.801**
	MES crimped 0.15 | *0.006"*	5 x 8/10	190 | *1 1/2*	25 | *1*	55 | *2 1/4*	18 | *3/4*	12	**125.511**
4	**MES** crimped 0.15 | *0.006"* / PP	5 x 8/10	190 | *1 1/2*	25 | *1*	55 | *2 1/4*	12 | *1/2*	12	**125.521**
5	**MES** crimped 0.15 | *0.006"*	4 x 6	155 | *6*	22 | *7/8*	40 | *1 3/8*	18 | *3/4*	12	**182.331****
	Soldering tip brush, extra dense filament, wooden handle orange							
6	**ROF** crimped 0.10 | *0.004"*	3 x 7/8	150 | *6*	15 | *5/8*	39 | *1 3/8*	9	12	**125.234**

* Wooden body varnished | ** Plastic body

Spark Plug Brushes

These small brushes are for all fine brushwork requiring thin wire.
They are available in different sizes and filling materials.

Soldering tip brushes

Soldering tip brushes have an extra dense and fine trimming. They are ideal for processing soldering tips and cleaning circuit boards after the soldering process as well as for many other fine jobs.



Item Nos. in bold are available ex stock.
Consider our minimum order value for *italic printed* article numbers (see page 178).

STA	= steel wire
ROF	= stainless steel wire
MES	= brass wire
BRO	= bronze wire
PA	= polyamide
PP	= polyprophylene
ROS	= horse hair