

Technical Brushes

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Product lines are labelled in the table header with the appropriate tabs. Further information on page **14** and **15**.



General Information

Filament Quality and Style

Quality steel wire

Using quality steel wire with a high tensile strength; this gives long and economical tool life.

Stainless steel wire

This wire is used where residues from normal steel wire would affect surfaces such as stainless steel, aluminium and other non-ferrous metals.

Nylon filaments, abrasive impregnated

Abrasive impregnated nylon filaments are very flexible and follow the contour of the workpiece without being too aggressive; in use, new abrasive is exposed to the workpiece at all times thus resulting in a constant performance and long life.

Style

Brushes are manufactured in both steel wire qualities with crimped 'or twist knotted style. Brushes with twist knotted steel wire meet the most extreme demands and normally achieve longer tool life compared to crimped wire brushes.

Brushes are also manufactured from crimped wire embedded in a resin bond. This style features higher performance and is ideally suited to achieve uniform surfaces and precise edges.

Application

Our wire brushes accommodate most of the ever increasing number of applications, like deburring, descaling, derusting, surface cleaning, fettling, roughening and paint stripping.

Brushes manufactured with abrasive impregnated nylon filaments are ideally suited to remove stain from metal surfaces, for graining of soft wood, car body repair jobs, stripping of paint residues.

Working mode and machines

Technical brushes are flexible tools which follow the contour of the workpiece.

In order to achieve best results, only the tip of the filament should be in contact with the workpiece. The elasticity of the brush depends on the exposed length of the filaments; for wire brushes, the wire diameter is an important factor. Brushes with very long filaments are extremely flexible and must be used with low pressure only. High pressure reduces the life of the brush and creates higher wear.

Technical brushes can be used on stationary and off-hand machines.

Operating speeds

Wire brushes act harder with increasing speed and softer with lower speed:

| | |
|---------------------------------|-------------------|
| Machining of steel | approx. 30 m/s |
| Machining of non-ferrous metals | approx. 18–20 m/s |
| Machining of plastic | approx. 15 m/s |

Twist knotted wire brushes may be operated at higher speeds, for instance:

| | |
|---------------------|-----------------|
| Machining of steel: | approx. 40 m/s. |
|---------------------|-----------------|

Brushes made from nylon filaments achieve best results at operating speeds between 18 and 20 m/s, depending on the material to be machined.

Safety instructions


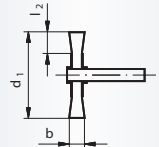
Technical brushes are manufactured under strict quality control (according to EN 1083-2). It is recommended to wear safety clothing when working with technical brushes.



Industry

BS, Cylindrical brush, Shank 6 mm

Ordering example: A350104010111


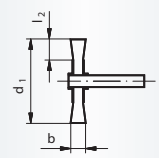
| Description | | Quality | Type | d ₁ mm | b mm | l ₂ mm | Wire ø | n max. (1/min) | Product-Number | recommended for | | | | | | | | |
|---|-----------|---------|------|----------------------|---------|----------------------|-----------|---|----------------|--|---|---|---|--|---|---|--|---|
|  | | | | | | | |  | | Packing unit: 10 pcs. per type | | | | | | | | |
| BSSW 04010 | steel | crimped | 40 | 10 | 9 | 0,2 | 18.000 | A350104010111 | 1 | | | | 5 | | | 8 | | ■ |
| BSVW 04011 | stainless | crimped | 40 | 11 | 9 | 0,2 | 18.000 | A351004036 | | 2 | 3 | 4 | | | 7 | | | ■ |
| BSSW 05010 | steel | crimped | 50 | 10 | 12 | 0,2 | 15.000 | A350005026 | 1 | | | | 5 | | | 8 | | ■ |
| BSSW 05014 | steel | crimped | 50 | 14 | 12 | 0,2 | 15.000 | A350105014111 | 1 | | | | 5 | | | 8 | | ■ |
| BSVW 05014 | stainless | crimped | 50 | 14 | 12 | 0,2 | 15.000 | A350105014211 | | 2 | 3 | 4 | | | 7 | | | ■ |
| BSSW 06018 | steel | crimped | 60 | 16 | 12 | 0,2 | 15.000 | A350006036 | 1 | | | | 5 | | | 8 | | ■ |
| BSSW 06018 | steel | crimped | 60 | 16 | 17 | 0,3 | 15.000 | A350106018113 | 1 | | | | 5 | | | 8 | | ■ |
| BSVW 06018 | stainless | crimped | 60 | 16 | 17 | 0,2 | 15.000 | A351006036 | | 2 | 3 | 4 | | | 7 | | | ■ |
| BSSW 07018 | steel | crimped | 70 | 16 | 19 | 0,2 | 15.000 | A350007036 | 1 | | | | 5 | | | 8 | | ■ |
| BSSW 07018 | steel | crimped | 70 | 16 | 19 | 0,3 | 15.000 | A350107018113 | 1 | | | | 5 | | | 8 | | ■ |
| BSVW 07018 | stainless | crimped | 70 | 16 | 19 | 0,3 | 15.000 | A350107018213 | | 2 | 3 | 4 | | | 7 | | | ■ |
| BSVW 07018 | stainless | crimped | 70 | 16 | 19 | 0,2 | 15.000 | A351007036 | | 2 | 3 | 4 | | | 7 | | | ■ |
| BSSZ 07508 | steel | knotted | 75 | 12 | 15 | 0,5 | 25.000 | A350107508135 | 1 | | | | 5 | | | | | ■ |
| BSVZ 07508 | stainless | knotted | 75 | 12 | 15 | 0,5 | 25.000 | A350107508235 | | 2 | 3 | 4 | | | | | | ■ |



Industry

BSN, Cylindrical brush of abrasive nylon, Shank 6 mm



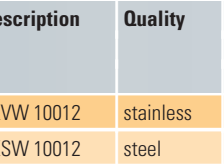

Ordering example: A350105010048

| Description | | Type | d ₁ mm | b mm | l ₂ mm | n max. (1/min) | Product-Number | recommended for | | | | | | | | | | |
|---|--------|------|----------------------|---------|----------------------|-------------------|----------------|---|---|--|---|--|---|---|---|--|--|---|
|  | | | | | | | |  | | Packing unit: 10 pcs. per type | | | | | | | | |
| BSNG 05010 | coarse | | 50 | 10 | 12 | 15.000 | A350105010048 | | 2 | | 4 | | 6 | 7 | 8 | | | ■ |
| BSNF 05010 | fine | | 50 | 10 | 12 | 15.000 | A350105010049 | | 2 | | 4 | | 6 | 7 | 8 | | | ■ |
| BSNG 07012 | coarse | | 70 | 12 | 20 | 15.000 | A350107012048 | | 2 | | 4 | | 6 | 7 | 8 | | | ■ |
| BSNF 07012 | fine | | 70 | 12 | 20 | 15.000 | A350107012049 | | 2 | | 4 | | 6 | 7 | 8 | | | ■ |
| BSNG 10007 | coarse | | 100 | 8 | 22 | 4.500 | A350110007048 | | 2 | | 4 | | 6 | 7 | 8 | | | ■ |
| BSNF 10008 | fine | | 100 | 8 | 22 | 4.500 | A350110008050 | | 2 | | 4 | | 6 | 7 | 8 | | | ■ |



BK, Conical brushes



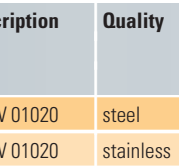

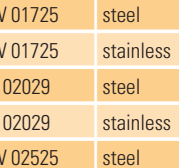
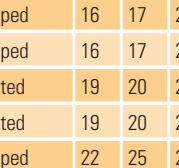
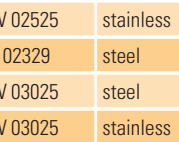
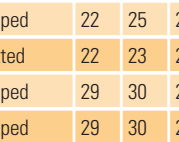



Ordering example: A350610012213

| Description | | Quality | Type | d ₁ mm | b mm | l ₂ mm | Thread | Wire ø | n max. (1/min) | Product-Number | Packing unit: 10 pcs. per type | | | | | | | | recommended for | |
|---|--|-----------|---------|----------------------|---------|----------------------|--------|-----------|-------------------|----------------|-----------------------------------|---|---|---|---|---|--|--|-----------------|---|
|  | | stainless | crimped | 100 | 10 | 20 | M 14 | 0,3 | 12.500 | A350610012213 | | 2 | 3 | 4 | | 7 | | | | ■ |
|  | | steel | crimped | 100 | 10 | 20 | M 14 | 0,35 | 12.500 | A350610012114 | 1 | | | | 5 | | | | | ■ |
|  | | stainless | knotted | 100 | 13 | 20 | M 14 | 0,5 | 12.500 | A350610013235 | | 2 | 3 | 4 | | 7 | | | | ■ |
|  | | steel | knotted | 100 | 13 | 20 | M 14 | 0,5 | 12.500 | A350610013135 | 1 | | | | 5 | | | | | ■ |



BP, End brush, Shank 6 mm

Ordering example: A350101006

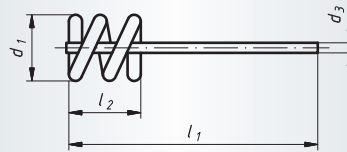
| Description | | Quality | Type | d ₁ mm | b mm | l ₂ mm | l ₁ mm | Wire ø | n max. (1/min) | Product-Number | Packing unit: 10 pcs. per type | | | | | | | | recommended for | |
|---|--|-----------|---------|----------------------|---------|----------------------|----------------------|-----------|-------------------|----------------|-----------------------------------|---|---|---|---|---|--|---|-----------------|---|
|  | | steel | crimped | 10 | 10 | 20 | 60 | 0,3 | 20.000 | A350101006 | 1 | | | | 5 | | | 8 | | ■ |
|  | | stainless | crimped | 10 | 10 | 20 | 60 | 0,3 | 20.000 | A351101006 | | 2 | 3 | 4 | | 7 | | | | ■ |
|  | | steel | crimped | 16 | 17 | 22 | 65 | 0,3 | 20.000 | A350101506 | 1 | | | | 5 | | | 8 | | ■ |
|  | | stainless | crimped | 16 | 17 | 22 | 65 | 0,3 | 20.000 | A351101506 | | 2 | 3 | 4 | | 7 | | | | ■ |
|  | | steel | knotted | 19 | 20 | 28 | 72 | 0,35 | 20.000 | A350502029134 | 1 | | | | 5 | | | | | ■ |
|  | | stainless | knotted | 19 | 20 | 28 | 72 | 0,25 | 20.000 | A350502029232 | | 2 | 3 | 4 | | 7 | | | | ■ |
|  | | steel | crimped | 22 | 25 | 25 | 68 | 0,3 | 18.000 | A350102206 | 1 | | | | 5 | | | 8 | | ■ |
|  | | stainless | crimped | 22 | 25 | 25 | 68 | 0,3 | 18.000 | A351102206 | | 2 | 3 | 4 | | 7 | | | | ■ |
|  | | steel | knotted | 22 | 23 | 28 | 72 | 0,35 | 20.000 | A350502329134 | 1 | | | | 5 | | | | | ■ |
|  | | steel | crimped | 29 | 30 | 25 | 68 | 0,3 | 18.000 | A350102806 | 1 | | | | 5 | | | 8 | | ■ |
|  | | stainless | crimped | 29 | 30 | 25 | 68 | 0,3 | 18.000 | A351102806 | | 2 | 3 | 4 | | 7 | | | | ■ |



Industry

RBSD, pipe brush, crimped wire

Ordering example: A359901025



Packing unit:
10 pcs. per type

| Description | Quality | Type | d ₁ mm | l ₂ mm | d ₃ mm | l ₁ mm | Wire Ø | n max. (1/min) | Product-Number | recommended for | |
|-------------|---------|---------|----------------------|----------------------|----------------------|----------------------|-----------|-------------------|----------------|-----------------|---|
| RBSD 1025 | steel | crimped | 10 | 25 | 3,8 | 90 | 0,12 | 2.000 | A359901025 | ① ② ③ ⑤ ⑧ | ■ |
| RBSD 1325 | steel | crimped | 13 | 25 | 3,8 | 90 | 0,12 | 2.000 | A359901325 | ① ② ③ ⑤ ⑧ | ■ |
| RBSD 1625 | steel | crimped | 16 | 25 | 3,8 | 90 | 0,12 | 2.000 | A359901625 | ① ② ③ ⑤ ⑧ | ■ |
| RBSD 2525 | steel | crimped | 25 | 25 | 3,8 | 90 | 0,2 | 2.000 | A359902525 | ① ② ③ ⑤ ⑧ | ■ |

Ideal for

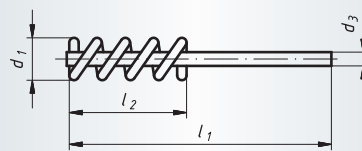
- | | |
|------------------|---------------------------|
| deburring of | polishing and cleaning of |
| • bores | • injectors/nozzles |
| • cross-holes | • small bores |
| • O-ring grooves | • threaded bores |



Industry

RBSN, pipe brush of abrasive nylon, silicon carbide

Ordering example: A359901065120



Packing unit:
10 pcs. per type

| Description | Quality | d ₁ mm | l ₂ mm | d ₃ mm | l ₁ mm | Wire Ø | n max. (1/min) | Product-Number | recommended for | |
|-------------|---------|----------------------|----------------------|----------------------|----------------------|-----------|-------------------|----------------|-----------------|---|
| RBSN 1065 | C 120 | 10 | 65 | 3,7 | 125 | 0,6 | 2.000 | A359901065120 | ② ④ ⑥ ⑦ ⑧ | ■ |
| RBSN 1365 | C 120 | 13 | 65 | 3,7 | 125 | 0,6 | 2.000 | A359901365120 | ② ④ ⑥ ⑦ ⑧ | ■ |
| RBSN 1665 | C 120 | 16 | 65 | 5,2 | 125 | 0,6 | 2.000 | A359901665120 | ② ④ ⑥ ⑦ ⑧ | ■ |
| RBSN 2565 | C 120 | 25 | 65 | 5,5 | 125 | 0,6 | 2.000 | A359902565120 | ② ④ ⑥ ⑦ ⑧ | ■ |

Ideal for

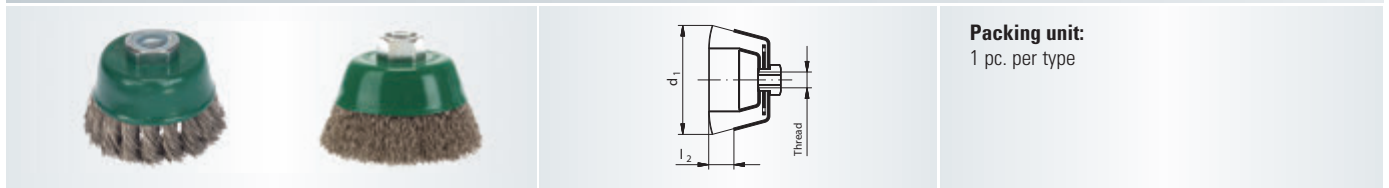
- | | |
|------------------|---------------------------|
| deburring of | polishing and cleaning of |
| • bores | • injectors/nozzles |
| • cross-holes | • small bores |
| • O-ring grooves | • threaded bores |



Industry

BTG, Cup brush with thread

Ordering example: A350406021213



Packing unit:
1 pc. per type

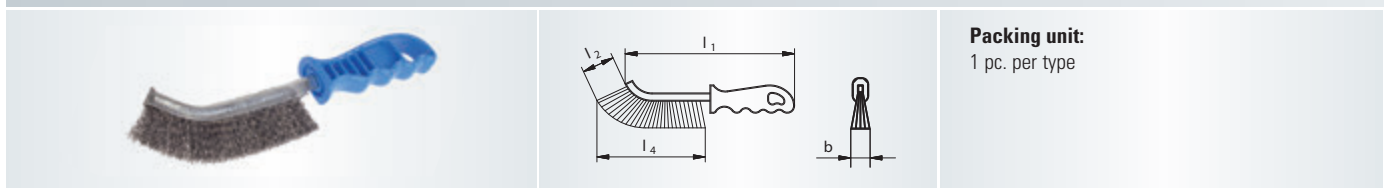
| Description | Quality | Type | d ₁ mm | l ₂ mm | Thread | Wire ø | n max. (1/min) | Product-Number | recommended for | |
|--------------|-----------|---------|----------------------|----------------------|--------|-----------|-------------------|----------------|-----------------|---|
| BTWV 06021 G | stainless | crimped | 60 | 20 | M 14 | 0,3 | 12.000 | A350406021213 | 2 3 4 7 | ■ |
| BTSW 06020 G | steel | crimped | 60 | 20 | M 14 | 0,35 | 12.000 | A350406020114 | 1 5 | ■ |
| BTSZ 06520 G | steel | knotted | 65 | 20 | M 14 | 0,5 | 12.500 | A350406520135 | 1 5 | ■ |
| BTVZ 06520 G | stainless | knotted | 65 | 20 | M 14 | 0,35 | 12.500 | A350406520234 | 2 3 4 7 | ■ |
| BTSZ 08020 G | steel | knotted | 80 | 20 | M 14 | 0,5 | 9.000 | A350408020135 | 1 5 | ■ |
| BTSW 08025 G | steel | crimped | 80 | 25 | M 14 | 0,35 | 8.500 | A350408025114 | 1 5 | ■ |
| BTSW 10030 G | steel | crimped | 100 | 30 | M 14 | 0,35 | 9.000 | A350410030114 | 1 5 | ■ |



Industry

BHU, Hand brush for universal application

Ordering example: A350726525113



Packing unit:
1 pc. per type

| Description | Quality | b mm | l ₂ mm | l ₁ mm | l ₄ mm | Wire ø | Product-Number | recommended for | |
|-------------|-----------|---------|----------------------|----------------------|----------------------|-----------|----------------|-----------------|---|
| BHUS 26528 | steel | 15 | 28 | 265 | 130 | 0,35 | A350726525113 | 1 5 | ■ |
| BHUV 26525 | stainless | 15 | 28 | 265 | 130 | 0,3 | A350726525213 | 2 3 4 7 | ■ |