



Technical Supplies  
**ORKON**

# Power Brushes & Abrasives

Brosses Industrielles et Abrasifs  
Industrielle Bursten



# About ORKON

**ORKON** brushes are high professional products complying with EN standard 1083; studied and made for professional people. Special brushes for each kind of industrial application made on customer's demand. All brushes can be made with any type of filament. Personalized solutions, flexibility and technical assistance are our point of force.

The wide range of ORKON products, offer a solutions for any kind of necessity concerning the treatment of surfaces.

The selection of the shape of the product depends on the surface on which you intend to work:

- Cup** : to work on plane surfaces
- Bevel** : for surfaces with corners and edges, it works best "sideways"
- Wheel** : to work sideways on narrow, protruding or hollow surfaces welded seams or tube ends)

## Application

More aggressive action for heavy duty applications and welding treatment. Cleaning of weldings (ex. Tube welded on the edge) gears deburring, deburring of pipe edges, deburring of hard burrs.

## Benefits:

Very high breaking points and very good dimensional stability.

## About Brush Filaments :

The type and formation of the filament determine the finishing and the processing required

- Crimped Steel: Light-duty jobs, small slags and rust, light deburring
- Twist Knot Steel: Aggressive action for heavy-duty jobs like welding treatment and heavy-duty deburring
- Stainless Steel: Applications on with filaments, aluminum and non ironus metals because it does not leave oxidative residues
- Abrasive Nylon: Various applications depending on the grit on aluminum, steel, cast iron, wood, marble and stones.

## Safety :

Use always Personal Protection Equipments (PPE like gloves, goggles and ear monitors). Never go beyond the MAX RPM indicated for the brush. As for the diameters of the brushes and assembling them follow the instructions of the manufacturer.

## Tempered steel wire, knotted, for high speed angle grinders

Aggressive tools for fast heavy duty cleaning and brushing of large surfaces. They remove carbon, paint, rust, scale and other kinds of contamination. The removable bridle prevents the trim from flexing.

### Avec un fil d'acier trempé, tordu Pour les meuleuses à grande vitesse

Des outils agressifs pour le nettoyage rapide et lourd. Brossage de grandes surfaces. Ils éliminent le carbone, Peinture, rouille, échelle et autres types de contamination. La bride amovible empêche la garniture de fléchir.

| PART REFERENCE | SIZE  | NUT SIZE | WIRE DIA    | MAX RPM |
|----------------|-------|----------|-------------|---------|
| 56TCBCS.65     | 65MM  | M14      | 0.2MM-0.3MM | 12500   |
| 56TCBCS.65M10  | 65MM  | M10      | 0.2MM-0.3MM | 12500   |
| 56TCBSS.65     | 65MM  | M14      | 0.2MM-0.3MM | 12500   |
| 56CBTCS-100    | 100MM | M14      | 0.2MM-0.3MM | 8500    |
| 56CBTSS-100    | 100MM | M14      | 0.2MM-0.3MM | 8500    |

Material available in Carbon Steel & Stainless Steel (302)  
Disponible en acier et en inox

TCWB



## Wheel Wire Brush | Brosse à fil métallique circulaire

Crimped | Sertis

EN 1083

## Single handed angle grinders

The ideal shape for brushing hard-to-reach areas. Multi purpose brushes for light and medium cleaning jobs.

### Pour meuleuse a une seule angle mains

La forme idéale pour le brossage des zones difficiles à atteindre. Brosses à usage multiple pour le nettoyage léger et moyen emplois.

| PART REFERENCE  | HOLE SIZE | WIRE DIA     | MAX RPM |
|-----------------|-----------|--------------|---------|
| 56CCIBCS.100M16 | 16MM      | 0.2MM-0.35MM | 6000    |
| 56CCIBCS.100    | 22.2MM    | 0.2MM-0.35MM | 6000    |
| 56CCIBCS.115    | 22.2MM    | 0.2MM-0.35MM | 6000    |
| 56CCIBCS.178    | 22.2MM    | 0.2MM-0.35MM | 6000    |

Material available Brass Coated Steel, Black Carbon Steel & Stainless Steel (302)  
Disponible en acier revêtu en cuivre, acier noir et inox

CWWBN



CWWB



## Cup Wire Brush | Brosse à fil métallique forme de coupe

Crimped | Sertis

EN 1083

## High speed industrial angle grinders

Sturdy tools suited for heavy cleaning jobs and for brushing large surfaces. Good brush balancing ensures easy handling.

### Pour une vitesse élevée Meuleuses angulaires industrielles

Des outils robustes adaptés aux travaux de nettoyage lourd et à Brossage de grandes surfaces. Bon équilibrage de la brosse Assure une manipulation facile.

| PART REFERENCE | NUT SIZE | WIRE DIA | MAX RPM |
|----------------|----------|----------|---------|
| 56CCBCS.65M10  | M10      | 0.2MM    | 12500   |
| 56CCBCS.65M14  | M14      | 0.3MM    | 12500   |
| 56CCBCS.100M14 | M14      | 0.3MM    | 12500   |

Material available Brass Coated Steel, Black Carbon Steel & Stainless Steel (302)  
Disponible en acier revêtu en cuivre, acier noir et inox

CCWB



## Tempered steel wire, knotted, for high speed angle grinders

The ideal shape for brushing hard-to-reach areas. Multi purpose brushes for light and medium cleaning jobs. ORKON twisted knot brushes are best in the industry.

Orkon Twisted knot Wheel Wire brushes are available in three types of Models;

1. Plain Standard Type (TWWB)
2. Standard with Nut Type (TWWBN)
3. Bevel Shape with Nut Type (TWWBBL)

### Avec un fil d'acier trempé, noué, Pour les meuleuses à grande vitesse

La forme idéale pour le brossage Zones difficiles à atteindre. Problème multiple Brosses pour nettoyage léger et moyen emplois.

Les brosses ORKON métalliques circulaires avec nœud torsade sont disponibles en trois types de modèles;

1. Type normal standard (TWWB)
2. Standard avec écrou (TWWBN)
3. Forme de biseau avec écrou (TWWBBL)

| PART REFERENCE | NUT SIZE  | ADAPTER SIZE | WIRE DIA     | MAX RPM |
|----------------|-----------|--------------|--------------|---------|
| 56TCIBCS.100   | M10 / M14 | 16MM         | 0.2MM- 0.5MM | 12500   |
| 56TCIBCS.115   | M10 / M14 | 22.2MM       | 0.2MM- 0.5MM | 12500   |
| 56TCIBSS.115   | M10 / M14 | 22.2MM       | 0.2MM- 0.5MM | 12500   |
| 56TCIBSS.175   | M14       | 22.2MM       | 0.2MM- 0.5MM | 9000    |
| 56TCIBCS.178   | M14       | 22.2MM       | 0.2MM- 0.5MM | 9000    |

Material available in Carbon Steel & Stainless Steel (302)  
Disponible en acier et en inox

TWWBN



TWWB



TWWBBL



## Tempered steel wire, knotted, for high speed angle grinders

The ideal shape for brushing hard-to-reach areas. Multi purpose brushes for light and medium cleaning jobs. ORKON stringer brushes are best in the industry.

Orkon Stringer Wheel Wire brushes are available in two types of Models;

1. Plain Standard Type (SWWB)
2. Standard with Nut Type (SWWBN)

### Avec un fil d'acier trempé, noué, Pour les meuleuses à grande vitesse

La forme idéale pour le brossage difficile à atteindre Domaines. Brosses multifonctions pour éclairage et Travaux de nettoyage moyens.

Les brosses Orkon métallique circulaire type Stringer(pour usage intensif) sont disponibles en deux types de modèles;

1. Type normal standard (SWWB)
2. Standard avec écrou (SWWBN)

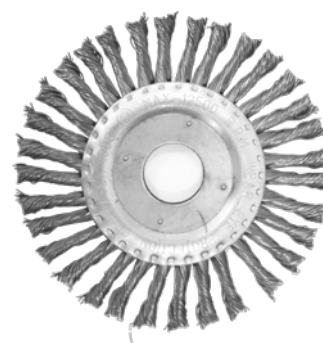
| PART REFERENCE  | NUT SIZE  | ADAPTER SIZE | WIRE DIA     | MAX RPM |
|-----------------|-----------|--------------|--------------|---------|
| 56WWB-STR-100CS | M10 / M14 | 22.2MM       | 0.2MM- 0.5MM | 12500   |
| 56WWB-STR-100SS | M10 / M14 | 16MM         | 0.2MM- 0.5MM | 12500   |
| 56WWB-STR-115CS | M14       | 22.2MM       | 0.2MM- 0.5MM | 12500   |
| 56WWB-STR-115SS | M14       | 22.2MM       | 0.2MM- 0.5MM | 12500   |
| 56WWB-STR-175CS | M14       | 22.2MM       | 0.2MM- 0.5MM | 9000    |
| 56WWB-STR-175SS | M14       | 22.2MM       | 0.2MM- 0.5MM | 9000    |

Material available in Carbon Steel & Stainless Steel  
Disponible en acier et en inox

SWWBN



SWWB





## Flap Disc Abrasive | *Flap disque abrasif*

EN 13743



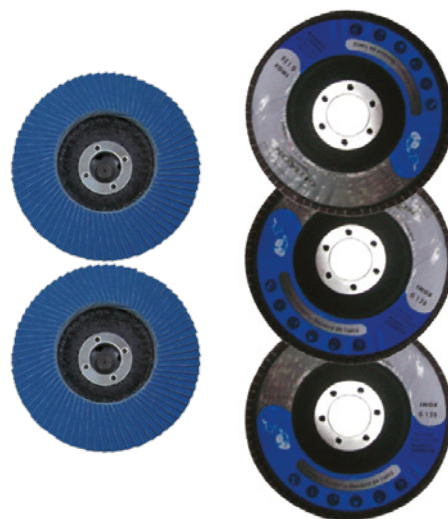
Orkon flap wheel and the related flap disc is an abrasive disc, used for metal finishing. Unlike the simpler flat discs, made from a circular flat sheet of a coated abrasive, a flap disc is made of multiple overlapping small pieces or 'flaps', bonded to a central hub.

### Abrasive flap discs

|          |                                               |
|----------|-----------------------------------------------|
| Material | : Zirconium Oxide                             |
| Usage    | : Can be used on Mild Steel & Stainless Steel |
| Size     | : 4" & 4.5"                                   |
| Grit     | : 60, 80, 100, 120                            |

#### Flap disque abrasif

|            |                                                      |
|------------|------------------------------------------------------|
| Matériel:  | oxyde de zirconium                                   |
| Usage:     | Peut être utilisé sur acier doux et acier inoxydable |
| Dimension: | 4 " & 4.5 "                                          |
| Grit:      | 60, 80, 100, 120                                     |



## Flap Wheel-Spindle | *Roue à clapet -avec broche*

Orkon Abrasive flap wheels are ideal for light grinding, blending, graining and scale removal on a variety of metals. Long lasting, load resistant design.

|         |                         |
|---------|-------------------------|
| Feature | : 6mm Spindle           |
| Size    | : 50 x 30mm & 50 x 50mm |
| Grit    | : 40, 60, 80, 100, 120  |

#### Roue à clapet -avec broche

|            |                          |
|------------|--------------------------|
| Broche:    | 6 mm                     |
| Dimension: | 50 x 30 mm et 50 x 50 mm |
| Grit:      | 40, 60, 80, 100, 120     |



## Hand Wire Brush | *Brosse métallique à main*

### Tempered steel wire, for hand held cleaning (BRH-BR4W)

The ideal shape for brushing hard-to-reach areas. Multi purpose brushes for light and medium cleaning jobs.

#### Avec un fil d'acier trempé, pour Nettoyage à la main

La forme idéale pour le brossage dans les angles cachées . Brosses multifonctions pour Travaux de nettoyage moyens.

4x6 wire rows & wooden handle | Stainless steel wire (302) & Mild steel  
L-290MM, W-30MM, H-15MM





Orkon diamond blades are designed for extended tough cutting of building materials, stone, tile, brick, limestone, pipe, rebar and just about any other hard/dense material you can find. Our technologies extend to shaped gullets, noise-dampening cores, split segments and depth-of-cut indicators to name a few.

| PRODUCTS/ DES PRODUITS                  | SIZES (MM)      |
|-----------------------------------------|-----------------|
| TURBO RIM / Turbo Rim                   | 100,115,180,230 |
| CONCRETE / Concrète                     | 100,115,180,230 |
| TILE & CERAMIC / Carrelage et céramique | 100,115,180,230 |
| MARBLE & GRANITE / Marbre et Granite    | 100,115,180,230 |



Turbo Rim



Concrete



Tile & Ceramic



Marble & Granite



Orkon Premium sharp silica carbide and superior bond system provide exceptional performance in even the most demanding cutting applications on metal.

| Product Size in mm   | 115 x 1 x 22.23              | 115 x 1.6 x 22.23            |
|----------------------|------------------------------|------------------------------|
| Material Used        | Aluminium Oxide              | Aluminium Oxide              |
| Grit                 | 60                           | 46                           |
| Max O/P Speed        | 80m/s                        | 80m/s                        |
| Bore Protection      | Steel Collar                 | Steel Collar                 |
| Safety Certification | OSA                          | OSA                          |
| Working on Material  | Stainless Steel (All Grades) | Stainless Steel (All Grades) |
|                      | Carbon Steel                 | Carbon Steel                 |
|                      | Marine Grade Aluminium       | Marine Grade Aluminium       |
|                      | Ballistic Steel              | Ballistic Steel              |



## Carbide Burrs

**Burrs** (sometimes called rotary files) are small cutting tools used in die grinders, rotary tools, or dental drills. The cutters shown in the image are made from tungsten carbide, which allows them to run at higher speeds than similar HSS cutters, yet still maintain their cutting edges.



### Mounted Point Conical A5 A5 conique

Size : 20 x 28



### Mounted Point Cylindrical W196 Cylindrique W196

Size : 16 x 25



Les bavures (appelées parfois des limes rotatifs) sont de petits outils de coupe utilisés dans les meuleuses, les outils rotatifs ou les perceuses dentaires. Les fraises montrées dans l'image sont fabriquées à partir de carbure de tungstène, qui leur permet de fonctionner à des vitesses plus élevées que les fraises HSS similaires. Tout en maintenant le coupe en Tranches.



## Cleaning of the welding joint and preparation of the weld seams

Nettoyage du cordon de Soudure et Préparation du Chanfrein

The preparation of the weld joint and cleaning of the welding seams are very important operations in the laying of the pipeline. The working conditions not always optimal require the maximum performance of the work tools.

The choice of a performing brush affects beside a higher efficiency of processing also a lower consumption of the object and the resulting savings during setup to replace the brush. This translates into economical savings and into a higher safety for the user.

The experience of ORKON identifies different types of brushes for the weld cleaning jobs and the weld joint removal jobs in the tubes

La préparation du Chanfrein et le nettoyage du cordon de soudure sont des opérations très importantes dans la phase de pose du Pipeline. Dans des conditions de travail pas toujours optimales, il est nécessaire d'obtenir une performance maximale des outils de travail. Le choix d'une brosse performante implique outre une plus grande efficacité d'usinage mais aussi une mineure consommation de l'objet et un gain par conséquence de temps de réglage pour remplacer la brosse. Cela se traduit par une réduction des coûts et une amélioration de la sécurité de l'opérateur. L'expérience de ORKON identifie quatre typologies de brosses pour les travaux de nettoyage de la soudure et d'élimination des chanfreins dans les tuyaux.

### Wheel brushes - Twisted Knot

The twisted knots wheel brushes diameters from 100 to 180 have a thickness of 13 mm and are especially suitable for the second touch and for the removal of tenacious waste.



### Wheel brushes - Stringer

The brushes having diameters from 115 to 178 are 6 mm thick and have a higher number of knots. They are designed for brushing the first welding, but are also suitable for the removal of slugs inside every type of crack, no matter how small. The chemical and mechanical characteristics of the iron wire, along with the outstanding manufacturing procedures offer the users both high results for aggressiveness and durability.



### Cup Wire Brush - Twisted Knot

Together with the above-cited types of brushes, ORKON is pleased to provide twist knot cup brushes, having a diameter from 70 mm. up to 150 mm., with both 1 and 2 twist knot rows. They are indicated for cleaning purposes, in order to remove thick and persistent slugs over constant surfaces.



## Fibre Disc | Disque de fibre

Emery/Sanding | pour ponçage

**Material** : Aluminium Oxide Abrasive  
**Usage** : Deburring, Flash removal, Sanding & Chamfering  
**Size** : 4.5" (GRIT 24, 36, 50, 60, 80, 100, 120)  
**Grit** : 4" (GRIT 80)

**Matériel:** abrasif à l'oxyde d'aluminium  
**Utilisation:** ébavurage, enlèvement de flash, Ponçage et chanfreinage  
**Dimension:** 4.5 "(GRIT 24, 36, 50, 60, 80, 100, 120)  
**Dimension:** 4 "(GRIT 80)



Range of twisted knots Wheel brushes having the knot thin or thick to be effective in every weld cleaning

Rangées de brosses circulaires à mèche torsadée fine et grosse pour être efficaces dans tous les nettoyages de soudage.



The users can easily and safely clean the oxidation between the weld seams

Les Opérateurs peuvent facilement et en toute sécurité nettoyer l'oxydation entre un cordon de soudure et l'autre.



The ORKON Brushes twisted knots are ideal to tackle the joint welding between the tube ends

Les brosses ORKON à mèches torsadées sont idéales pour attaquer la soudure de jonction entre les têtes de tube.





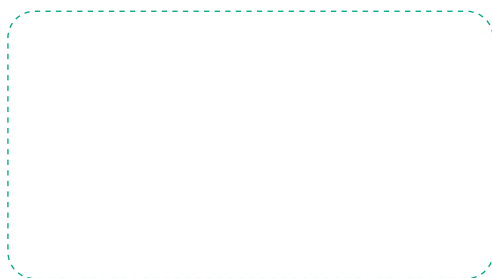
OnStore Technical Support



**Orkon International BV**

Molenstraat | 20  
7551 DC Hengelo | Netherlands

Info@orkon.nl



orkon.nl