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Bonded abrasive products — Dimensions —

Part 17: Mounted wheels

Produits abrasifs agglomérés — Dimensions —

Partie 17: Meules sur tige

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 603-17 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 5, *Grinding wheels and abrasives*.

ISO 603 consists of the following parts, under the general title *Bonded abrasive products — Dimensions*:

- Part 1: *Grinding wheels for external cylindrical grinding between centres*
- Part 2: *Grinding wheels for centreless external cylindrical grinding*
- Part 3: *Grinding wheels for internal cylindrical grinding*
- Part 4: *Grinding wheels for surface grinding/peripheral grinding*
- Part 5: *Grinding wheels for surface grinding/face grinding*
- Part 6: *Grinding wheels for tool and tool room grinding*
- Part 7: *Grinding wheels for manually guided grinding*
- Part 8: *Grinding wheels for deburring and fettling/snagging*
- Part 9: *Grinding wheels for high-pressure grinding*
- Part 10: *Stones for honing and superfinishings*
- Part 11: *Hand finishing sticks*
- Part 12: *Grinding wheels for deburring and fettling on a straight grinder*
- Part 13: *Grinding wheels for deburring and fettling on a vertical grinder*
- Part 14: *Grinding wheels for deburring and fettling/snagging on an angle grinder*
- Part 15: *Grinding wheels for cutting-off on stationary or mobile cutting-off machines*
- Part 16: *Grinding wheels for cutting-off on hand held power tools*
- Part 17: *Mounted wheels*

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Bonded abrasive products — Dimensions —

Part 17: Mounted wheels

1 Scope

This part of ISO 603 specifies the current shapes, dimensions and limit deviations, in millimetres, of mounted wheels.

These bonded abrasive products are intended to be used for hand-held grinding and manually guided or on hand-held power tools guided by hand. The common maximum operating speeds for these kind of bonded abrasive products are up to $v_s = 50$ m/s.

2 Normative references

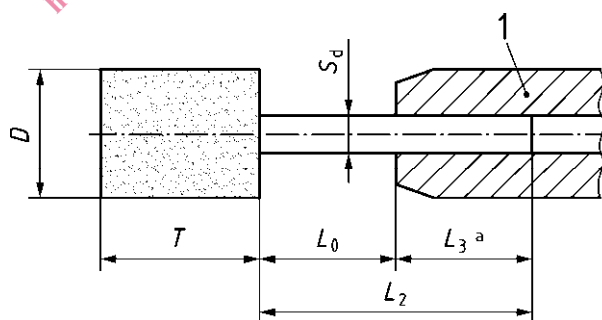
The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 525, *Bonded abrasive products — General requirements*.

3 Shapes and dimensions

3.1 Cylindrical shape, Type CY

See Figure 1 as well as Table 1, Table 2 and Table 3.



Key

1 Collet

^a $L_3 \geq 10$

Figure 1 — Cylindrical shape, Type CY

**Table 1 — Mounted wheels cylindrical shape, Type CY
spindle diameter $S_d = 3$ mm**

Dimensions in millimetres

Designation	D	T	S_d	L_2	L_3 min.
CY 02 05 03	2	5	3	30	10
CY 03 06 03	3	6			
CY 04 08 03	4	8			
CY 05 10 03	5	10	3	30	
CY 06 10 03	6	10			
CY 06 13 03		13			
CY 08 10 03	8	10	3	30	
CY 08 16 03		16			
CY 10 02 03	10	2	3	30	
CY 10 10 03	10	10			
CY 10 13 03		13			
CY 10 20 03		20			
CY 13 03 03	13	3	3	30	
CY 13 06 03		6			
CY 13 13 03		13			

**Table 2 — Mounted wheels cylindrical shape, Type CY
spindle diameter $S_d = 6$ mm**

Dimensions in millimetres

Designation	D	T	S_d	L_2	L_3 min.
CY 06 10 06	6	10	6	40	10
CY 06 13 06		13			
CY 08 10 06		8			
CY 08 16 06	8	16	6	40	
CY 10 02 06	10	2			
CY 10 10 06	10	10			
CY 10 13 06	10	13	6	40	
CY 10 20 06		20			
CY 10 25 06		25			
CY 10 32 06	10	32	6	40	
CY 13 03 06	13	3			
CY 13 06 06		6			
CY 13 13 06	13	13	6	40	
CY 13 20 06		20			
CY 13 25 06		25			
CY 13 32 06	13	32	6	40	
CY 13 40 06		40			
CY 16 04 06	16	4	6	40	
CY 16 06 06		6			
CY 16 16 06		16			
CY 16 20 06		20			
CY 16 25 06		25			
CY 16 32 06		32			
CY 16 40 06		40			
CY 16 50 06	50				
CY 20 06 06	20	6	6	40	
CY 20 10 06		10			
CY 20 20 06		20			
CY 20 25 06		25			
CY 20 32 06		32			
CY 20 40 06		40			
CY 20 50 06	50				
CY 25 06 06	25	6	6	40	
CY 25 10 06		10			
CY 25 16 06		16			
CY 25 20 06		20			
CY 25 25 06		25			
CY 25 32 06		32			
CY 25 40 06		40			
CY 25 50 06	50				
CY 32 08 06	32	8	6	40	
CY 32 16 06		16			
CY 32 20 06		20			
CY 32 32 06		32			
CY 40 06 06	40	6	6	40	
CY 40 10 06		10			
CY 40 13 06		13			
CY 40 20 06		20			
CY 40 32 06	32	6	40		
CY 50 08 06	50			8	
CY 50 13 06				13	
CY 50 25 06		25			