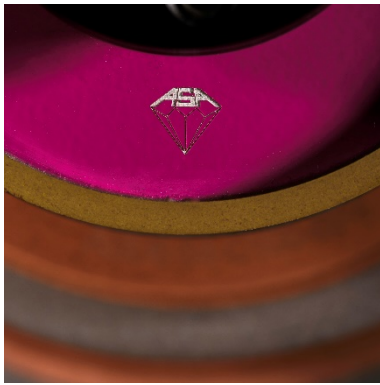
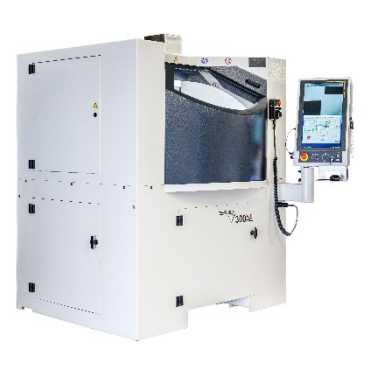
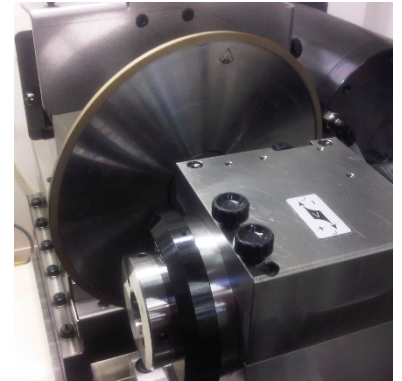


**ACTION SUPER ABRASIVE SA**



# KATALOG



**DIAMANT & CBN SCHLEIFSCHEIBEN  
ABRICHT MASCHINE**



Action Super Abrasive SA • 11, Prés-Bersot • 2087 Cornaux • Switzerland

[www.actionsuper.ch](http://www.actionsuper.ch) • [info@actionsuper.ch](mailto:info@actionsuper.ch)



## INTRODUKTION

ASA (Action Super Abrasive) wurde 1993 gegründet. Wir haben uns auf die Herstellung von Diamant- und CBN-Schleifscheiben spezialisiert. Unsere verschiedenen Bindungstypen in Kunstharz- (Phenol und Polyimid), Hybrid- und Metallbindungen wurden vorwiegend für die spanabhebende Werkzeugindustrie entwickelt.

ASA hat sich von Anfang an zur Hauptaufgabe gemacht, die Schleifscheiben mit einer hohen Qualität und entsprechender Wiederholbarkeit zu produzieren. Unser Ziel ist, innert kürzester Zeit Präzisionsschleifscheiben herzustellen, von der Konstruktion bis zum Einzel- oder Serienprodukt.

Wir optimieren stetig unsere Betriebsabläufe im Labor und in der Fertigung.

Dank unserer langjährigen Erfahrung beraten wir Sie kompetent und entwickeln Ihre spezifische Schleifscheibe.



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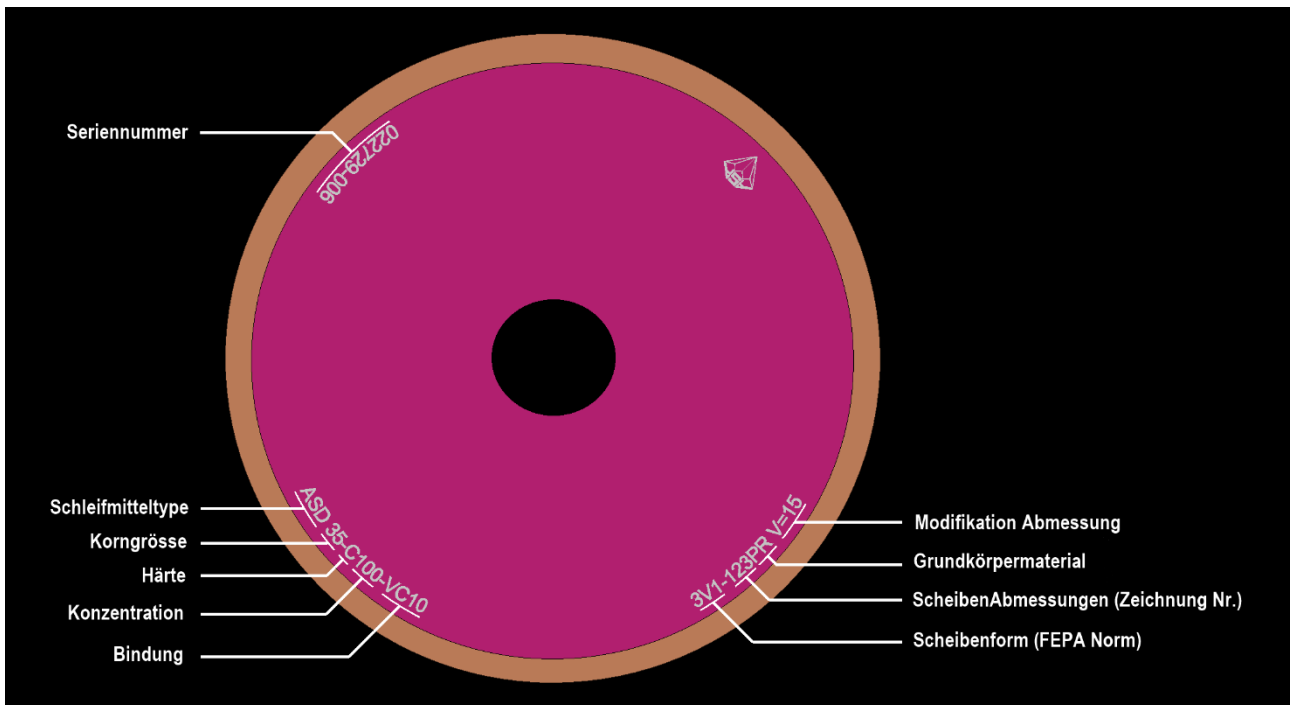


## BESTELL DATEN

Die folgenden Beschreibungen sind für die Bearbeitung Ihrer Anfragen oder Bestellungen wichtig. Bitte geben Sie ausserdem die Anwendung der Scheibe, des verwendeten Kühlmittels und des Maschinentyps an. Es ist relevant, uns über die wichtigsten Kriterien zu informieren, die für das erwartete Gleichgewicht zwischen Formhaltigkeit, Oberflächenqualität und Schleifbedingungen erforderlich sind.



## ERKLÄRUNG GRAVUR



Die Nummer nach der Scheibenform (FEPA), bestimmt die Abmessungen der Schleifscheibe. Ausserdem fügen wir einen zusätzlichen Platz ein, um Grössenänderungen anzugeben (z.B. einen Winkel).

Diese Informationen finden Sie in all unseren Dokumenten unter folgender Beschreibung:

**022729-006**  
**3V1-123PR V=15 ASD 35-C100-VC10**  
**D150-T8-H31.75-U3-X6-V30**



## SERIENNUMMER

Die Seriennummer ist für die Rückverfolgbarkeit der Scheibenspezifikationen. Der erste Teil gibt die Bestätigungsnummer an, der zweite Teil die indizierte Nummer.



## SCHLEIFMITTEL BEZEICHNUNG / DIAMANT

### DIAMANT

Diamant wird aufgrund seiner Härte zum Schleifen von harten, spröden und kurzspanenden Materialien eingesetzt. Z.B. Hartmetall, Glas, Keramik oder sämtliche nicht Eisenmetalle. (Knoop-Härte 8000 bis 9000).

#### BESCHREIBUNG

SD\*

Die Mikrokörnungen werden zusammen mit unseren Polyimid-, Phenol- und Hybridbindungen eingesetzt  
Phenolbindungen sind Geeignet für die Trockenbearbeitung  
Verfügbar in den Korngrößen von 1 µm bis 35 µm

ASD\*

Die beschichteten Körner leiten die Wärme in der Bindung besser ab, wodurch eine längere Standzeit gewährleistet wird  
Diese Körner werden hauptsächlich in unserer Phenolbindung unter Kühlmittel eingesetzt  
Körnung von 15 bis 252 erhältlich

ASD6\*

Das speziell ummantelte Diamantkorn wurde entwickelt um bessere Haltekräfte in der Bindung zu erhalten. Es wird in unseren Polyimid- und Hybridbindungen verwendet  
Körnung von 46 bis 252 erhältlich

DMD

Diese Körner werden in unseren Metallbindungen verwendet.  
Körnung von 10 bis 252 erhältlich

ASDC

Der speziell beschichteter Diamant, wird für Trockenschleifen verwendet  
Körnung von 46 bis 252 erhältlich

ASDK\*

Ist ideal zum Schleifen von schwierigen Materialien wie Keramik und Cermet. Er wird in unseren Phenol-, Polyimid- und Hybridbindungen verwendet.  
Körnung von 46 bis 252 erhältlich

ASDS

Dieses Korn wird für Trennscheiben eingesetzt.  
Körnung von 46 bis 252 erhältlich





## SCHLEIFMITTEL BEZEICHNUNG / CBN

### BORAZON

Kubisches Bornitrid (CBN) wird zum Schleifen von Werkzeugen aus gehärteten Eisenmetallen und Superlegierungen verwendet. (Härte KNOOP 4600).

BESCHREIBUNG	
B	Wird in unseren Polyimid-, Hybrid- und Phenolbindungen verwendet Körnung von 6 bis 10 erhältlich
CBN*	Dass speziell ummantelte Diamantkorn wurde entwickelt um bessere Haltekräfte in der Bindung zu erhalten. Es wird in unseren Polyimid-, Hybrid- und Phenolbindungen verwendet Körnung von 15 bis 252 erhältlich
BM	Diese Körner werden in unseren Metallbindungen verwendet Körnung von 15 bis 252 erhältlich

## OBERFLÄCHENQUALITÄT

(Grobe Massschätzung abhängig von den verwendeten Bindungen und Materialien)

<b>DIAMANT</b>	D7	D15	D25	D46	D76	D126	D252	
	D10	D20	D30	D54	D91	D151		
				D64	D107	D181		
	<b>N1</b>	<b>N2</b>	<b>N3</b>	<b>N4</b>	<b>N5</b>	<b>N6</b>	<b>N7</b>	<b>N8</b>
<b>Ra (µm)</b>	0,025	0,06	0,12	0,25	0,5	1,0	1,6	3,2
<b>Rt (µm)</b>	0,5	0,5	1,0	2,0	4,0	8,0	12,5	32,0
<b>Rz (µm)</b>	0,18	0,38	0,75	1,6	3,2	6,3	10,0	16,0
	<b>N1</b>	<b>N2</b>	<b>N3</b>	<b>N4</b>	<b>N5</b>	<b>N6</b>	<b>N7</b>	<b>N8</b>
<b>CBN</b>		B10	B15	B30	B46	B76	B151	B252
			B20		B54	B91	B181	B301
					B64	B107		



## KÖRNUNG GRÖSSE

Nach FEPA Standard.

DIAMANT (FEPA)	CBN (FEPA)	MIKRON	US MESH
1	-	1-2 µm	14'000
3	-	2-4 µm	8'000
5	-	4-6 µm	6'000
-	6	4-8 µm	3'000
7	-	6-8 µm	2'500
10	10	6-12 µm	1'800
15	15	10-20 µm	1'200
20	20	15-25 µm	1'000
25	25	20-30 µm	800
30	30	22-36 µm	700
35	(40)	30-40 µm	600
46	46	38-45 µm	325/400
54	54	45-53 µm	270/325
64	64	53-63 µm	230/270
76	76	63-75 µm	200/230
91	91	75-90 µm	170/200
107	107	90-106 µm	140/170
126	126	106-125 µm	120/140
151	151	125-150 µm	100/120
181	181	150-180 µm	80/100
252	252	212-250 µm	60/70
301	301	250-300 µm	50/60



## HÄRTE DES SCHEIBEN

Diese Buchstaben stehen immer vor der Konzentration, zur Änderung der Basisbindung.

BUCHSTABE	HÄRTE
L	sanft
N	mittel
C	hart (mit Diamant Schleifmittel in Konzentration 100)
R	hart (mit CBN Schleifmittel in Konzentration 100)
V	sehr hart



## KONZENTRATION

Wir verwenden für beide Schleifmittel die gleichen Konzentrationswerte, welche den international anerkannten Standards entsprechen. Dies drückt das Gewicht des Schleifmittels pro  $\text{cm}^3$  aus. (1 Karat = 0.2g)

KONZENTRATION	CTS/ $\text{CM}^3$
25	1.1
50	2.2
75	3.3
100	4.4
125	5.5
150	6.6
175	7.7



## BINDUNG / LEGENDE
















In der folgenden Tabelle werden die qualitativen Niveaus unserer Bindungen beschrieben, anhand der drei häufigsten, genannten Kriterien unserer Kunden. Um Ihren spezifischen Anforderungen gerecht zu werden, können wir diese Kriterien durch flexible Variationen zwischen Konzentration und Härte anpassen.

	NIEDRIG	AKZEPTABEL	MITTEL	GUT	SUPER
Schneidkraft	○○○○	●○○○	●●○○	●●●○	●●●●
Form halt	○○○○	●○○○	●●○○	●●●○	●●●●
Oberflächenqualität	○○○○	●○○○	●●○○	●●●○	●●●●



## BINDUNG / PHENOL

**HARZ PHENOL:** Wird zum Schleifen und Nachschleifen von kleinen bis mittlerer Losgrößen eingesetzt. Trockenschleifen mit variablen Bindungen ist möglich.

BINDUNG	DIAMANT	CBN
<b>B21</b>	-Zum Polieren (Nuten, Stirn Freiwinkel) -Für Mikrokörnung 	-Zum Polieren (Nuten, Stirn Freiwinkel) -Für Mikrokörnung 
<b>VC10</b>	-Universelle Bindung (Stirn Freiwinkel) -Trockenschleifen möglich 	-Universelle Bindung (Stirn Freiwinkel) -Trockenschleifen möglich 
<b>B16</b>	-Für Oberflächen- und Einstechschleifen 	-Für Oberflächen- und Einstechschleifen 
<b>B25</b>	-Für Trennscheiben 	-Für Trennscheiben 
<b>BC4</b>	-Universelle Bindung (Nuten) -Trockenschleifen möglich -Für Mikrokörnung 	-Universelle Bindung (Nuten) -Trockenschleifen möglich -Für Mikrokörnung 
<b>BC3</b>	-Wie BC4, jedoch für grössere Körnung 	-Wie BC4, jedoch für grössere Körnung 
<b>BC5</b>	-Universelle Bindung (Ausspitzen) -Trockenschleifen möglich 	-Universelle Bindung (Ausspitzen) -Trockenschleifen möglich 
<b>ADS</b>	-Zum Polieren (Uhrenindustrie). 	





## BINDUNG / POLYIMID

**HARZ POLYIMID:** Wird zum Schleifen von mittleren bis grossen Serien unter Kühlung mit guter Oberflächenqualität verwendet.

BINDUNG	DIAMANT	CBN
<b>BP4</b>	-Universelle Bindung (Nuten, Ausspitzen) 	-Universelle Bindung (Nuten, Ausspitzen). 
<b>BP11</b>	-Bessere Oberflächengüte als BP4 -Für Mikrokörnung 	- Bessere Oberflächengüte als BP4 -Für Mikrokörnung 
<b>BP17</b>	- Bessere Oberflächengüte als BP11 - Für Mikrokörnung 	



## BINDUNG / HYBRID

**HARZ METALL:** Wird zum Schleifen grosser Serien verwendet. Hohe Formhaltigkeit und erhöhte Schnittkraft. Die Oberflächengüte ist geringer als beim Einsatz mit Polyimid.

BINDUNG	DIAMANT	CBN
<b>BPM2A</b>	-Für Ausspitzen und Nuten Schleifen Mikro- und Nano Werkzeugen -Für Mikrokörnung 	
<b>BPM3</b>	- Schleifen mit hohem Materialabtrag 	- Schleifen mit hohem Materialabtrag 
<b>BPM5</b>	- Schleifen mit hohem Materialabtrag (Stirn) 	- Schleifen mit hohem Materialabtrag (Stirn) 
<b>H6 PIRANHA</b>	- Schleifen mit hohem Materialabtrag (Nuten, Werkzeugdurchmesser von 4mm bis 8mm) 	- Schleifen mit hohem Materialabtrag (Nuten, Werkzeugdurchmesser ab 4mm) 



## BINDUNG / METALL MNG\*

**METALL:** Wird aufgrund seiner Form- und Wärmebeständigkeit zum Schleifen grosser Serien verwendet.

BINDUNG	DIAMANT	CBN
<b>MNG1</b>	-Schruppscheibe zum Durchmesserschleifen (Rollomatic NP4, NP5, NP50) 	- Schruppscheibe zum Durchmesserschleifen (Rollomatic NP4, NP5, NP50) 
<b>MNG2</b>	-Wendeplattenschleifen 	
<b>MNG4</b>	-Für einen höheren Materialabtrag als MNG5 Bindung 	
<b>MNG5</b>	-Für Dental Werkzeuge (Nuten) 	-Für Form Werkzeuge 
<b>MNG8</b>	-Für Form Werkzeuge -Für Mikrokörnung 	-Für Form Werkzeuge -Für Mikrokörnung 



## BINDUNG / METALL-KERAMIK

**METALL KERAMIK:** Wird aufgrund seiner Schneidkraft und Wärmebeständigkeit für grosse Serien verwendet.

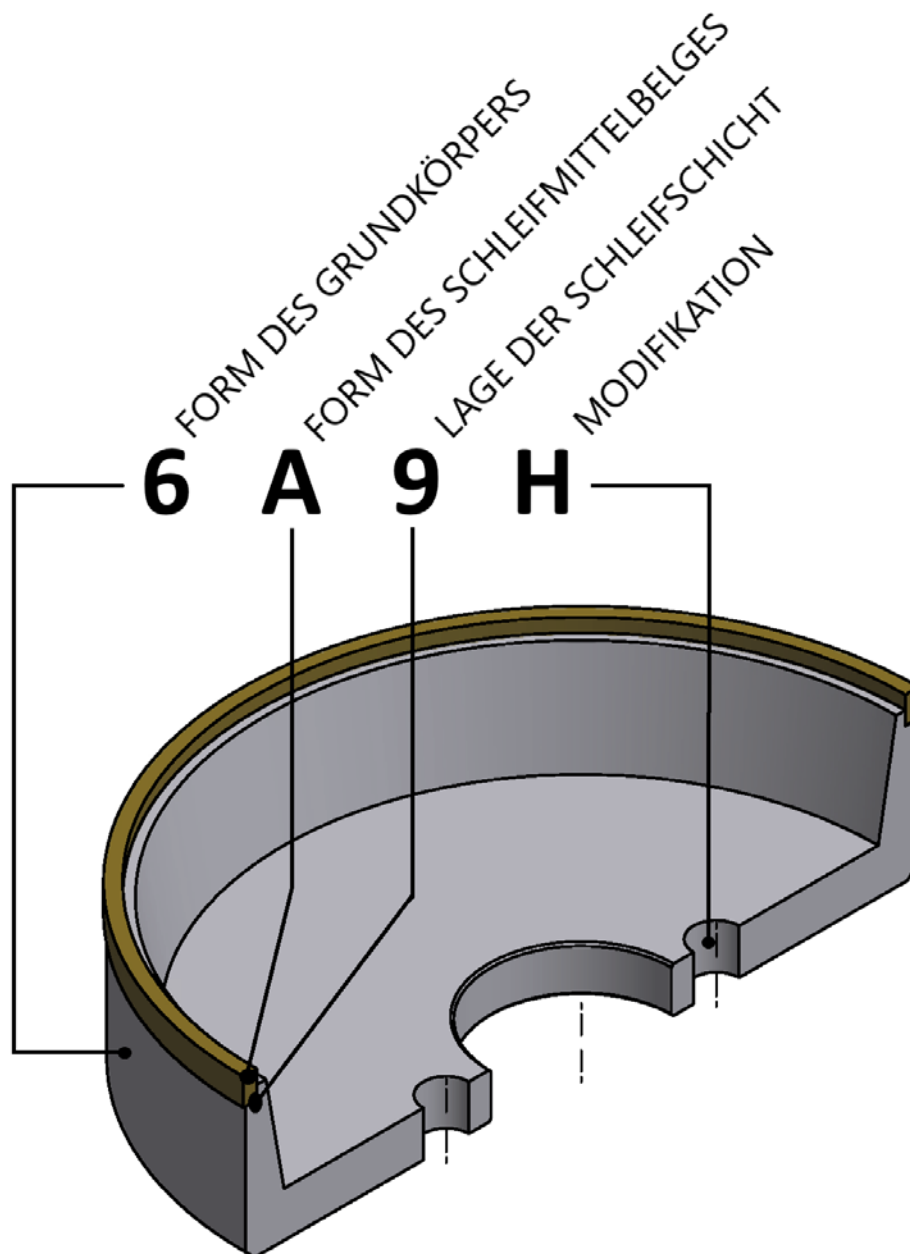
BINDUNG	DIAMANT	CBN
<b>M1 SHARK</b>	-Schleifen mit hohen Materialabtrag (Nuten, Werkzeugdurchmesser ab 8 mm) 	



## SCHEIBENFORM

Die Formen unserer Scheiben basieren auf den FEPA-Standards (Europäische Föderation der Hersteller von Schleifmitteln).

Alle unsere Formen sind ab Seite 16 aufgeführt.





## SCHEIBEN ABMESSUNGEN

Die Nummer (Zeichnungsnummer), die nach der Formbezeichnung der Scheiben folgt, definiert die Scheibenabmessungen. Sie können die Liste aller unserer Zeichnungen auf unserer Website [www.actionsuper.ch](http://www.actionsuper.ch) einsehen.

Den Abmessungen unserer Schleifscheiben geht ein Buchstabe voraus, der die Abmessung der Scheibe bestimmt.

D	Scheibendurchmesser	T <sub>1</sub>	Reduzierte Breite
T	Gesamtbreite	U <sub>1</sub>	Reduzierte Belagsbreite
H	Bohrung	E	Wandstärke
U	Belagsbreite	K	Durchmesser
X	Belagshöhe	J	Durchmesser
W	Belagsbreite	d	Versetzter Durchmesser vom Körper
V	Belagswinkel	S	Winkel des Körpers
A	Belagswinkel n°1	BC	Lochkreis
B	Belagswinkel n°2		
R	Radius		



## KÖRPERMATERIAL

Die beiden Buchstaben nach der Zeichnungsnummer definieren den Grundkörper. Der erste Buchstabe definiert das Material, der zweite die Art der Bindung.

<b>AR</b>	Aluminium / Phenol Bindung
<b>MR</b>	Gepresstes Aluminium (Topfscheibe) / Phenol Bindung
<b>PR</b>	Gepresstes Aluminium / Phenol Bindung
<b>SR</b>	Stahl / Phenol Bindung
<b>AP</b>	Aluminium / Polyimid- und Hybrid Bindung
<b>CP</b>	Gepresstes Kupfer / Polyimid- und Hybrid Bindung
<b>XP</b>	Aluminium und gepresstes Kupfer / Polyimid- und Hybrid Bindung
<b>AM</b>	Aluminium / Metall Bindung
<b>SM</b>	Stahl / Metall Bindung
<b>SH</b>	Stahl / Metall-Keramik Bindung



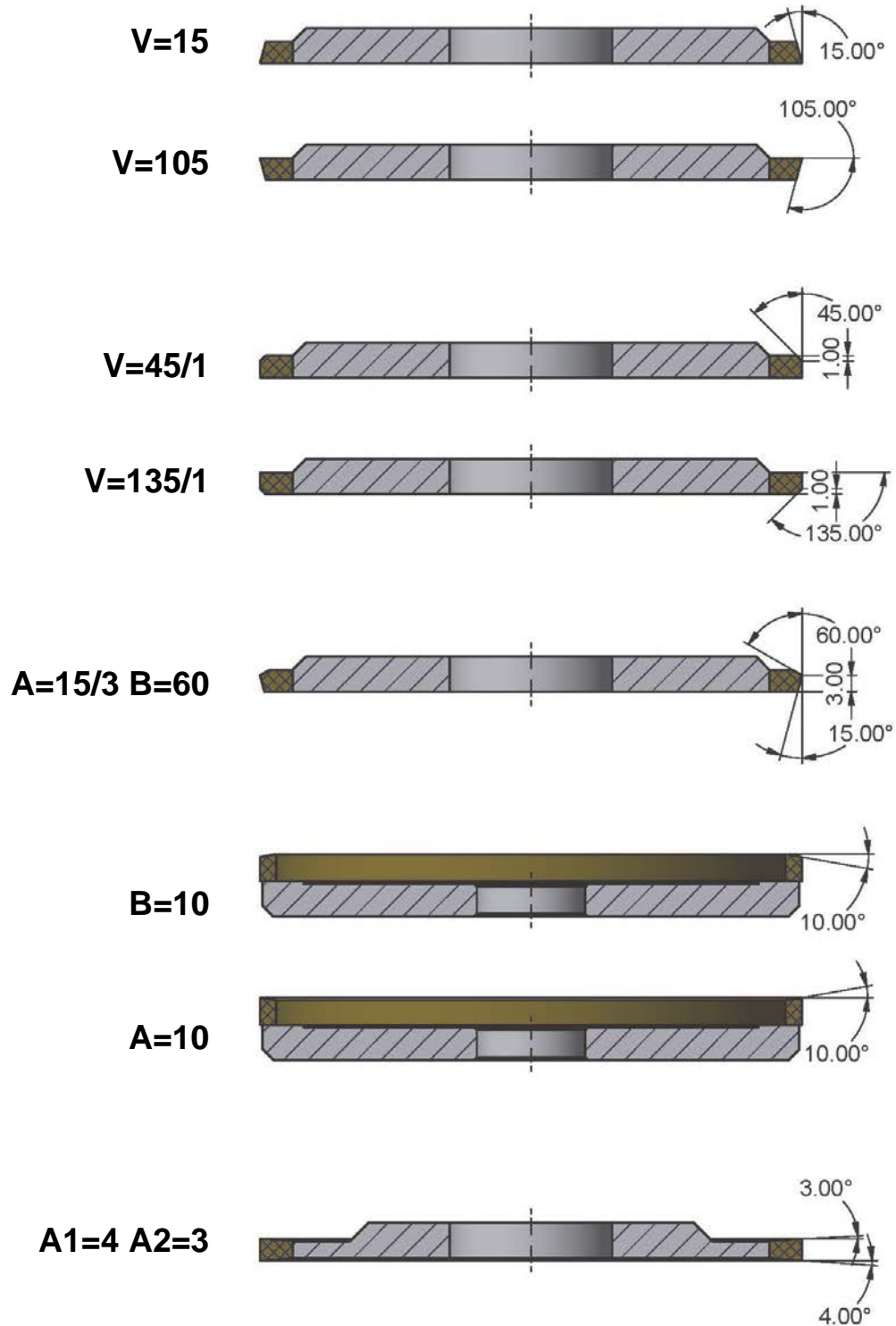


## MASSÄNDERUNG

Die Bezeichnung nach der Zeichnungsnummer ermöglicht uns, eine Abmessung zu ändern (z.B. einen Winkel), ohne eine neue Zeichnungsnummer zu erstellen und die Scheibe gemäss den Kundenanforderungen zu profilieren.

GRAVUR

ÄNDERUNG





## ANGEBOTSANFRAGE

Bitte kopieren Sie diese Seite und geben uns die erforderlichen Informationen bekannt.

### KUNDE

**Unternehmen:** \_\_\_\_\_ **Kontakt:** \_\_\_\_\_  
**Adresse:** \_\_\_\_\_ **Funktion:** \_\_\_\_\_  
**Postleitzahl:** \_\_\_\_\_ **Tel.:** \_\_\_\_\_  
**Stadt:** \_\_\_\_\_ **E-Mail:** \_\_\_\_\_  
**Land:** \_\_\_\_\_

### FORM UND SCHEIBENABMESSUNGEN

Bitte verwenden Sie dieses Feld, um eine Skizze der Schleifscheibe zu erstellen:

**Form:** \_\_\_\_\_ **N°:** \_\_\_\_\_  
**D:** \_\_\_\_\_ **A:** \_\_\_\_\_  
**T:** \_\_\_\_\_ **B:** \_\_\_\_\_  
**H:** \_\_\_\_\_ **T<sub>1</sub>:** \_\_\_\_\_  
**U:** \_\_\_\_\_ **U<sub>1</sub>:** \_\_\_\_\_  
**X:** \_\_\_\_\_ **E:** \_\_\_\_\_  
**W:** \_\_\_\_\_ **K:** \_\_\_\_\_  
**V:** \_\_\_\_\_ **S:** \_\_\_\_\_  
**R:** \_\_\_\_\_ **J:** \_\_\_\_\_

Skizze

### MASCHINE

**Hersteller:** \_\_\_\_\_ **Typ:** \_\_\_\_\_  
**Kühlmittel:** \_\_\_\_\_ **Druck:** \_\_\_\_\_ **Bars**  
**Umdrehung:** \_\_\_\_\_ **zu** \_\_\_\_\_  U/min **oder**  m/sec  
**Vorschub:** \_\_\_\_\_ **zu** \_\_\_\_\_  mm/min **anders**  \_\_\_\_\_

### WERKZEUGE ZUM SCHLEIFEN

Wenn Die Zeichnung des Werkzeugs verfügbar ist, fügen Sie sie bitte der Anfrage bei,

**Material:** \_\_\_\_\_ **Sorten:** \_\_\_\_\_  
**Härte HRC:** \_\_\_\_\_ **Oberflächenqualität Ra:** \_\_\_\_\_  
**Variation des Vorschubs während Schleifen:**  Ja  Nein

**Schleifvorgang:** \_\_\_\_\_

**Gesamtmaterialabtrag:** \_\_\_\_\_  mm  mm<sup>2</sup>  mm<sup>3</sup>  
**Schnitttiefe a<sub>e</sub>:** \_\_\_\_\_ mm **Anzahl Durchgänge:** \_\_\_\_\_  
**Durchmesser:** \_\_\_\_\_ mm **Länge:** \_\_\_\_\_ mm  
**Breite:** \_\_\_\_\_ mm **Andere Dimensionen:** \_\_\_\_\_

**Andere Informationen:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



## ABRICHTEN

Um einen grossen Bestand an Abrichtscheiben zu vermeiden und dennoch um ein gutes Ergebnis erzielen zu können, empfehlen wir die folgenden zwei Abrichtscheiben:

Für die Korngrösse von 10 bis 35:

### **80C 500 I7 V62A**

Für die Korngrösse von 46 bis 252:

### **10C 120 KL7V**

In Fällen, in denen Sie einen grossen Bestand an Abrichtscheiben haben, empfehlen wir nachstehende Scheibenqualitäten für folgende Korngrössen.

KORNGRÖSSE	SPEZIFIZIEREN	HERSTELLER
1 bis 10	SC9-1000-J12 RE DM	Atlantic GmbH
15 bis 25	80C 500 I7 V62A	Stella Keramik GmbH
30 bis 46	10C 320 KL7V	Comet Schleiftechnik GmbH
54 bis 76	10C 220 KL7V	Comet Schleiftechnik GmbH
91 bis 107	10C 120 KL7V	Comet Schleiftechnik GmbH
126 bis 252	10C 60 KL7V	Comet Schleiftechnik GmbH

Empfehlungen für einen zuverlässigen Abrichtprozess:

- Die Abrichtmaschine muss robust und stabil sein
- Die Scheiben mit Oelkühlung abrichten
- Die Abrichtscheibe muss so breit wie möglich sein und einen grösseren Durchmesser als die zu bearbeitende Schleifscheibe haben
- Die Abrichtscheibe dreht sich in die entgegengesetzte Richtung
- Geschwindigkeit Abrichtscheibe: 12-15 m/sec (120 mesh)  
10-12 m/sec (500 mesh)  
8-10 m/sec (1000 mesh)
- Geschwindigkeit Schleifscheibe: 2-4m/sec
- Schruppen Zustellung: 0.01-0.05mm
- Schlichten Zustellung: 0.002-0.02mm
- Für Schleifscheiben mit spitzem Profil empfehlen wir die Verwendung einer feineren Abrichtscheibe als der empfohlenen. Auf diese Weise wird vermieden, dass Ihre Schleifscheibe beim Abrichten abplatzt.

-Abricht Vorschub: Berücksichtigen Sie den Durchmesser und die Tiefe der zu bearbeitenden Bindungskante.

Schleifscheiben mit grossem Durchmesser oder geringer Belagshöhe = Vorschub verringern.

Schleifscheiben mit kleinem Durchmesser oder grosser Belagshöhe = Vorschub erhöhen.

Beispiel: Eine Scheibe mit einem Durchmesser von 150mm und einer Belagshöhe von 3mm liegt die Vorschubgeschwindigkeit etwa 0.5m/min.



## SCHÄRFEN

Nach dem Abrichten der Schleifscheibe, insbesondere wenn diese trocken abgerichtet ist, ist die Oberfläche der Bindung stumpf. Um eine optimale Schnittqualität zu erzielen, empfehlen wir die Schleifscheibe vor Beginn des Schleifvorgangs zunächst mit einem Carborundum-Stick zu öffnen. Der Carborundum-Stick muss nass (Öl) sein und mit den Schleifparametern geschärft werden.

TYP	BESCHREIBUNG	ABMESSUNGEN
<b>STICK ASA-N°1</b>	Körnung 46 bis 252	13 x 25 x 102 mm
<b>STICK ASA-N°2</b>	Körnung 1 bis 40	13 x 25 x 102 mm



## ANMERKUNGEN

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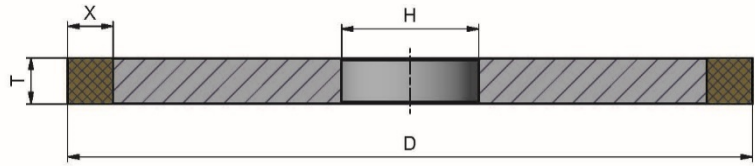
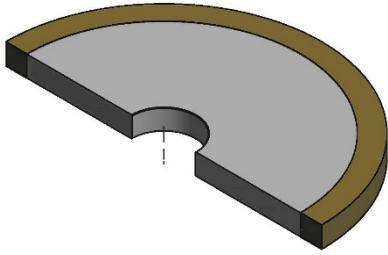
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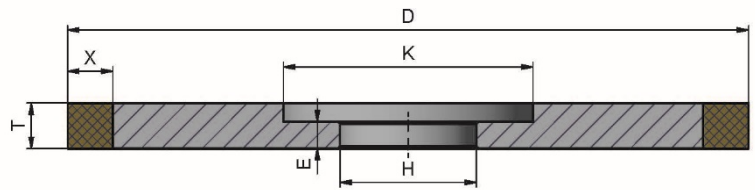
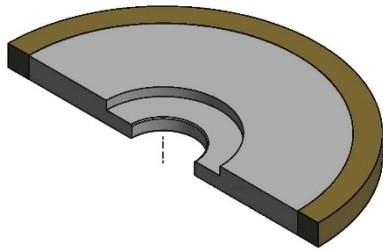
## 1A1 (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_



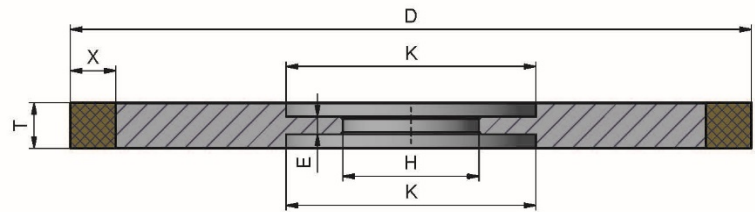
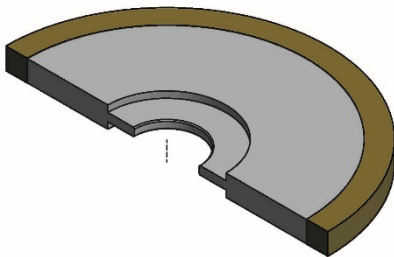
## 1A1 (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-E\_\_-K\_\_ / N°2



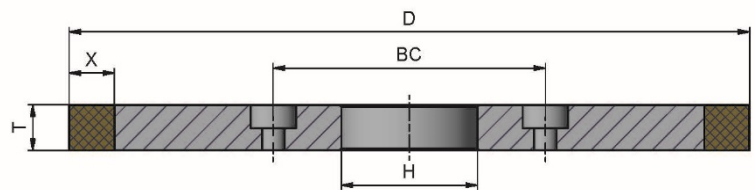
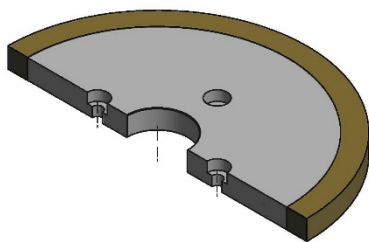
## 1A1 (shape N°3)

D\_\_-T\_\_-H\_\_-X\_\_-E\_\_-K\_\_ / N°3



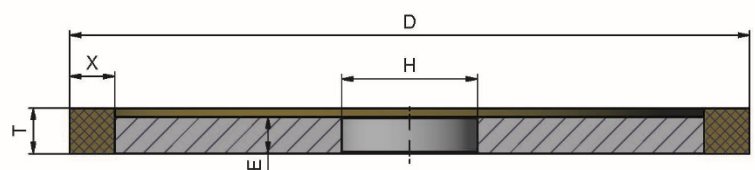
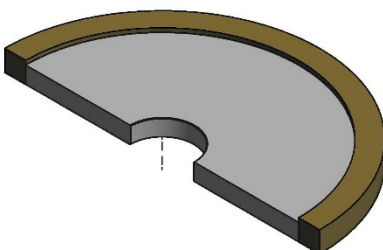
## 1A1B

D\_\_-T\_\_-H\_\_-X\_\_-BC\_\_



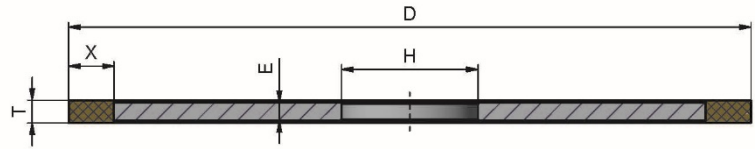
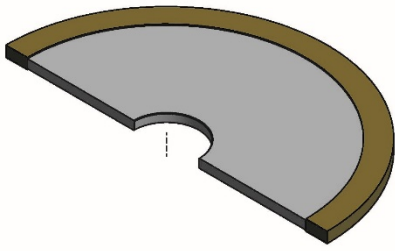
## 1A1P

D\_\_-T\_\_-H\_\_-X\_\_-E\_\_



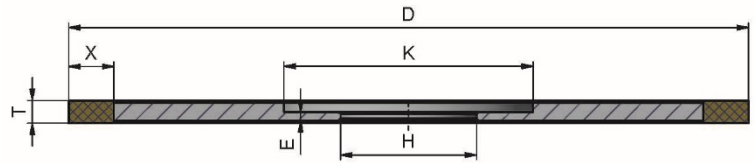
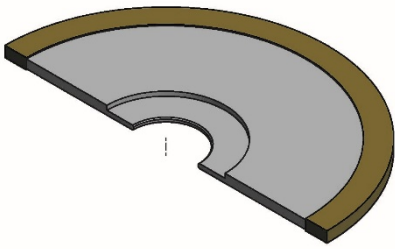
## 1A1R (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-E\_\_



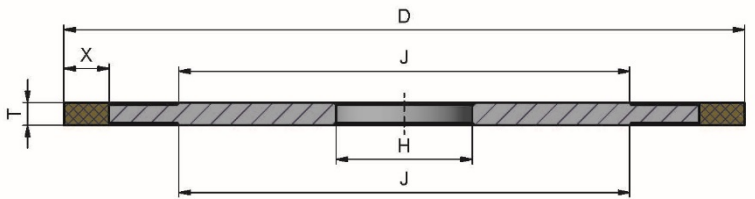
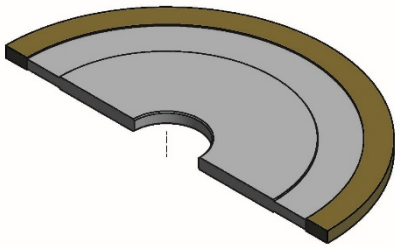
## 1A1R (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-E\_\_-K\_\_ / N°2



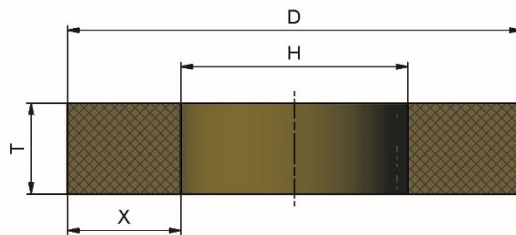
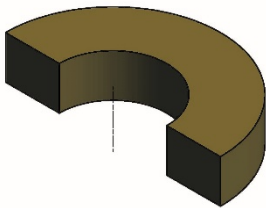
## 1A1R (shape N°3)

D\_\_-T\_\_-H\_\_-X\_\_-J\_\_ / N°3



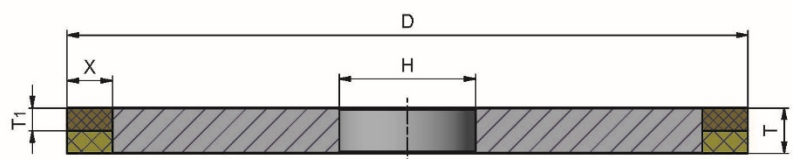
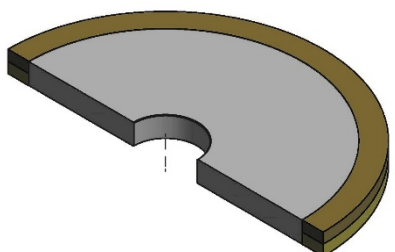
## 1A8

D\_\_-T\_\_-H\_\_-(X\_\_)



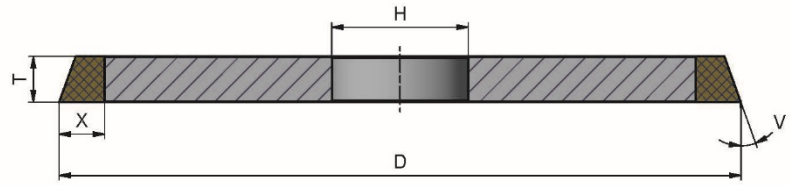
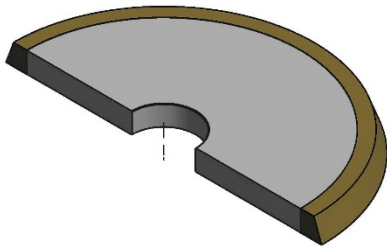
## 1AA1

D\_\_-T\_\_-H\_\_-X\_\_-T1\_\_



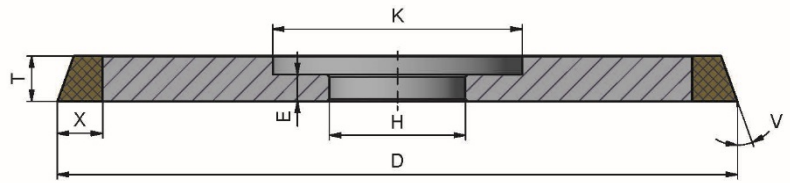
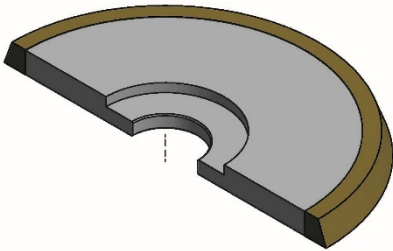
## 1B1 (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_



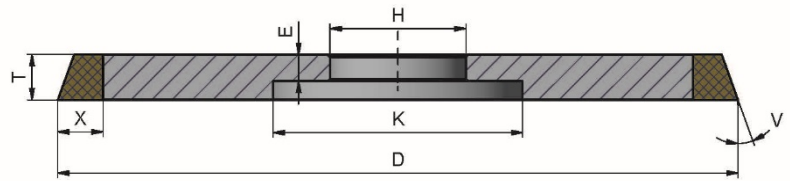
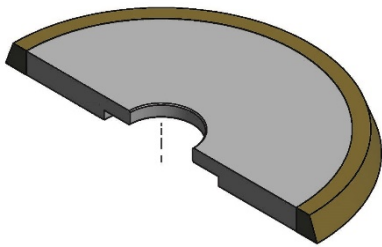
## 1B1 (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°2



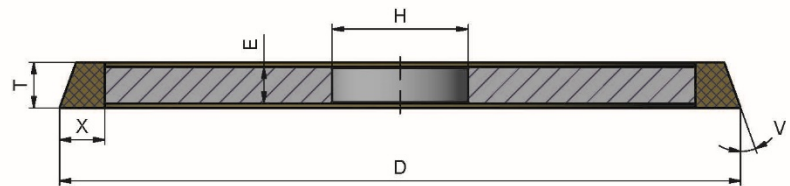
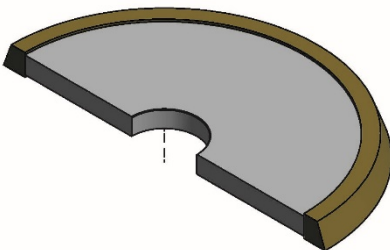
## 1B1 (shape N°3)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°3



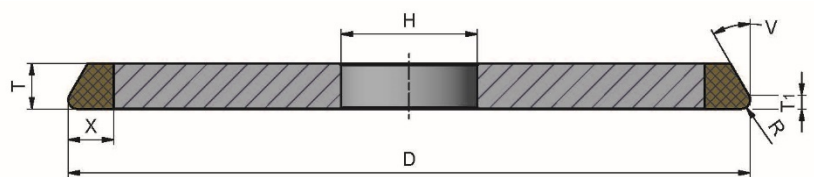
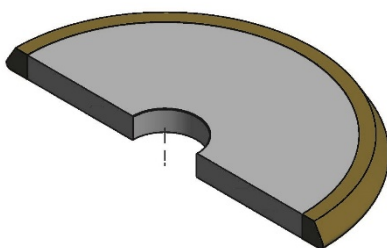
## 1B1R

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-E\_\_



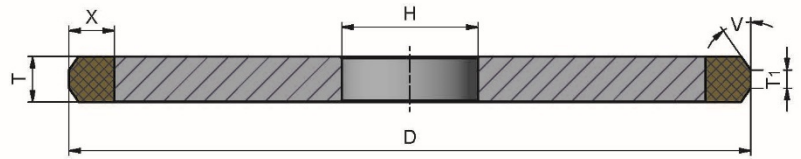
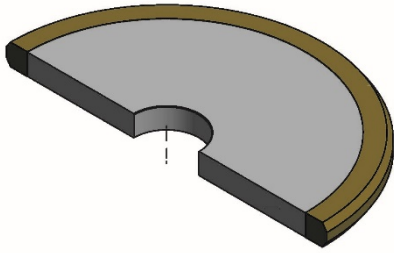
## 1BF1

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-R\_\_-T1\_\_



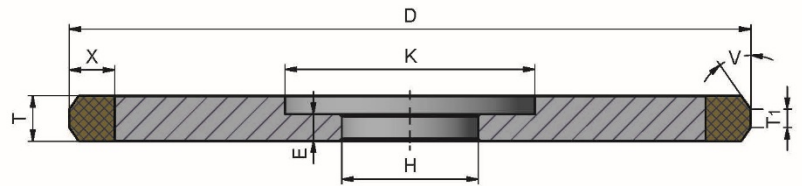
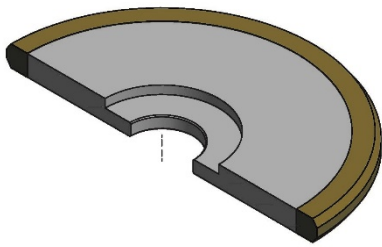
## 1D1 (shape N°1)

D\_\_T\_\_H\_\_X\_\_V\_\_T1\_\_



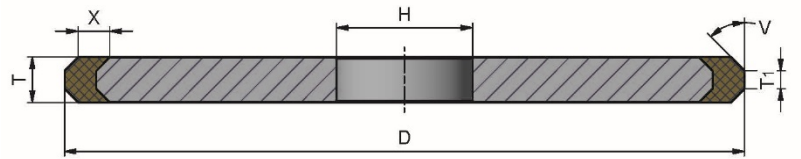
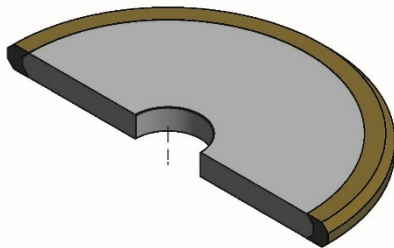
## 1D1 (shape N°2)

D\_\_T\_\_H\_\_X\_\_V\_\_T1\_\_E\_\_K\_\_ / N°2



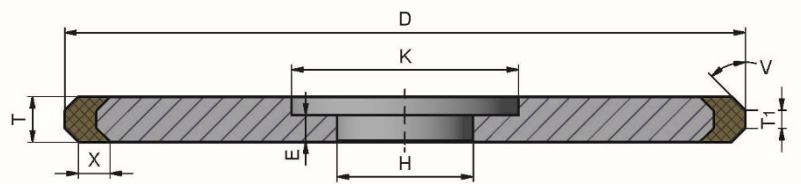
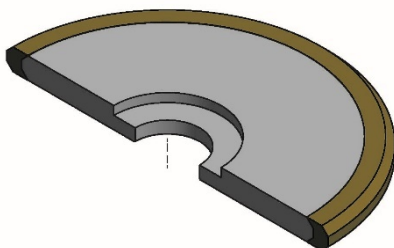
## 1DD1 (shape N°1)

D\_\_T\_\_H\_\_X\_\_V\_\_T1\_\_



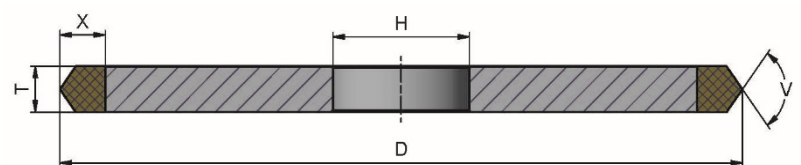
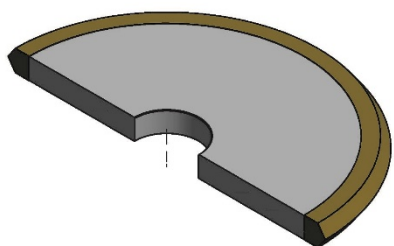
## 1DD1 (shape N°2)

D\_\_T\_\_H\_\_X\_\_V\_\_T1\_\_E\_\_K\_\_ / N°2



## 1E1 (shape N°1)

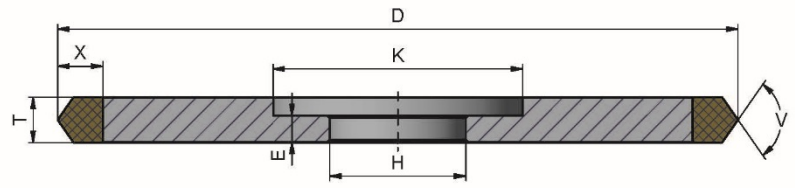
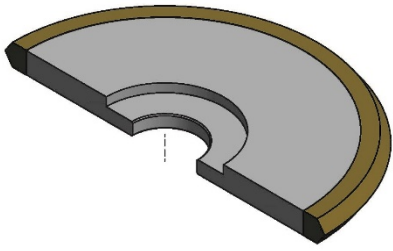
D\_\_T\_\_H\_\_X\_\_V\_\_





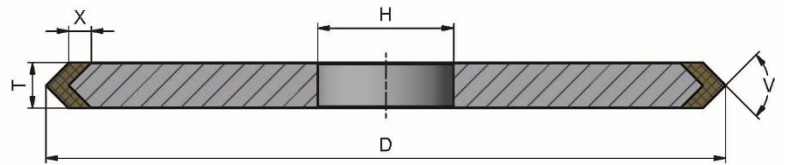
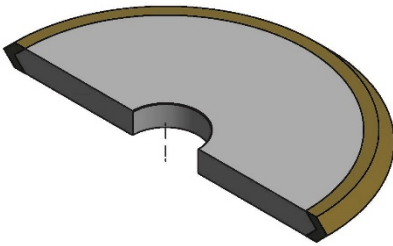
## 1E1 (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°2



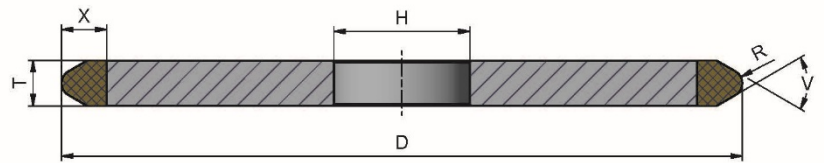
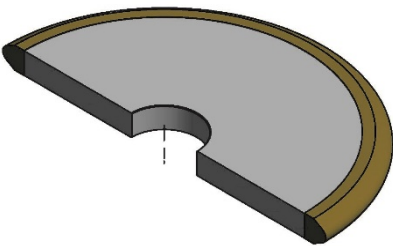
## 1EE1

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_



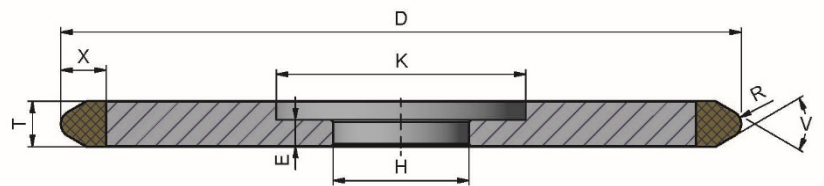
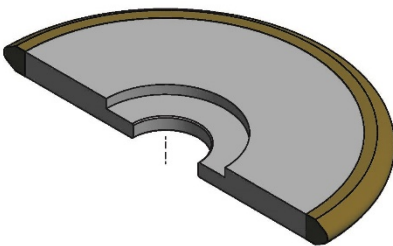
## 1EF1 (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-R\_\_



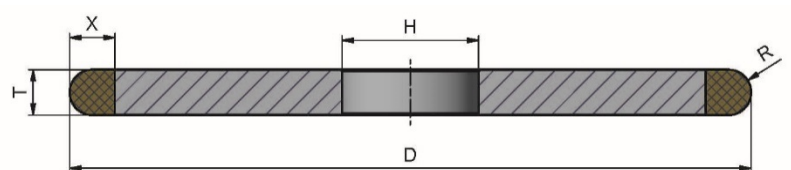
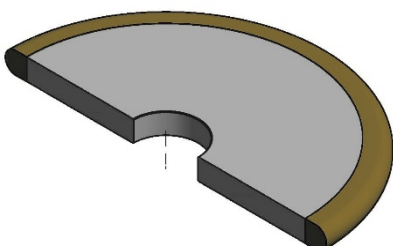
## 1EF1 (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-R\_\_-E\_\_-K\_\_ / N°2



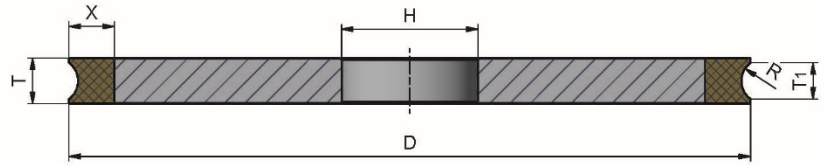
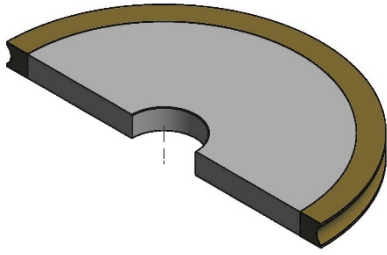
## 1F1

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_



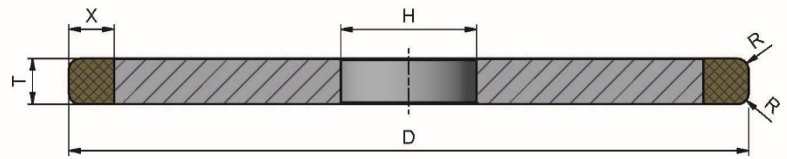
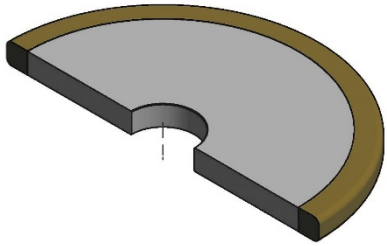
1J1

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_-T1\_\_



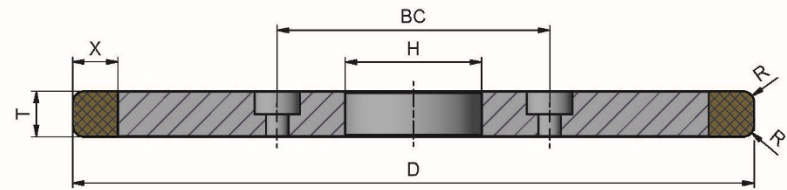
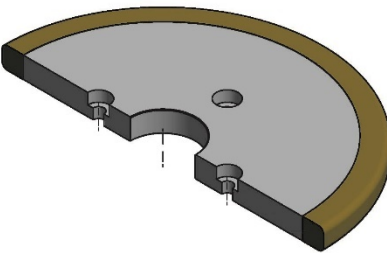
1L1

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_



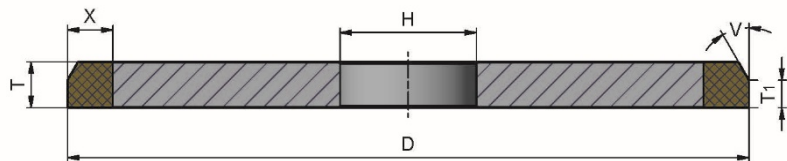
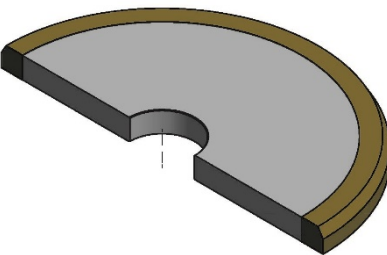
1L1B

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_-BC\_\_



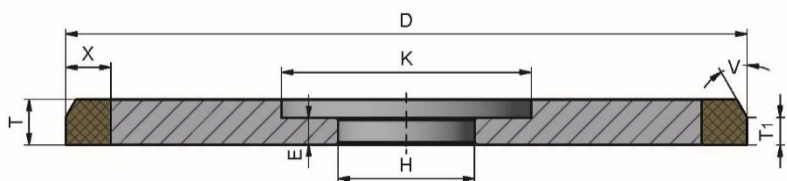
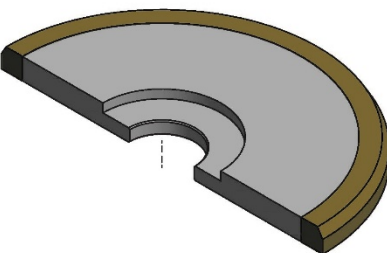
1M1 (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_



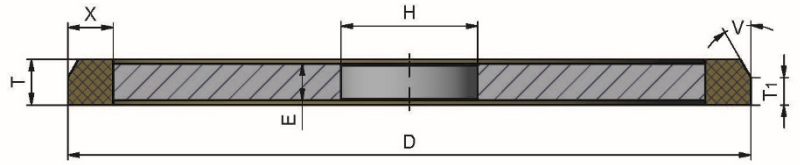
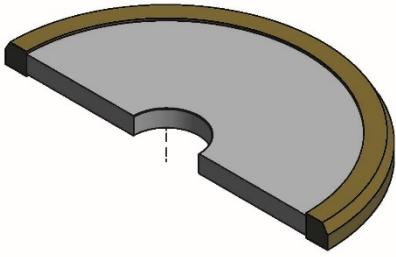
1M1 (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_-E\_\_-K\_\_ / N°2



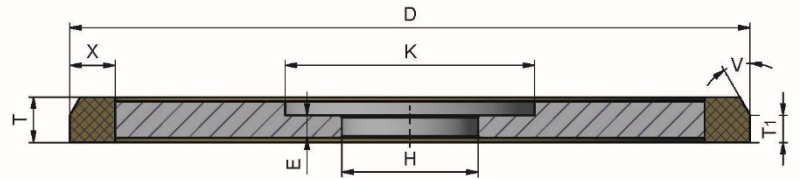
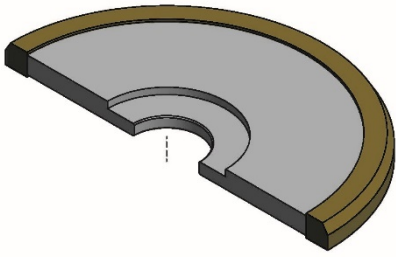
## 1M1R (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_-E\_\_



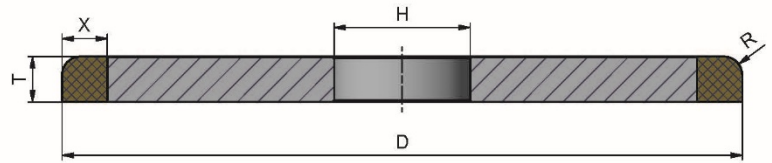
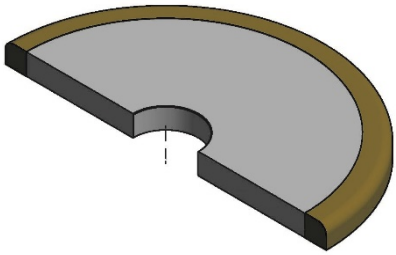
## 1M1R (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_-E\_\_-K\_\_ / N°2



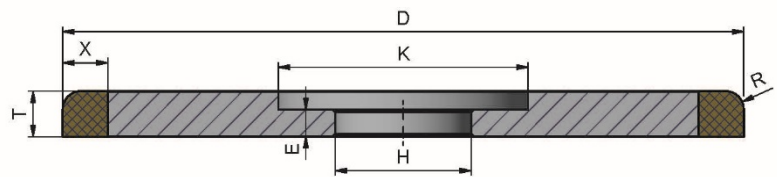
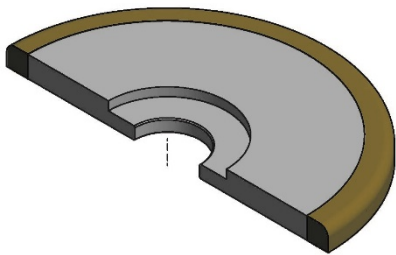
## 1Q1 (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_



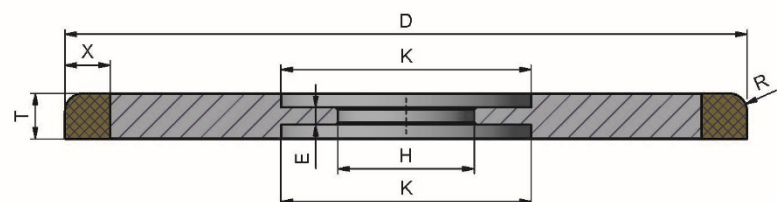
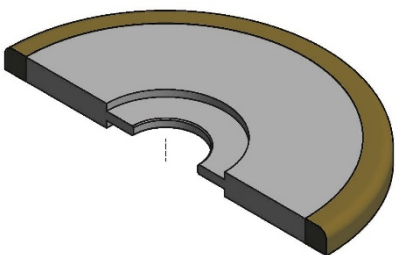
## 1Q1 (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_-E\_\_-K\_\_ / N°2



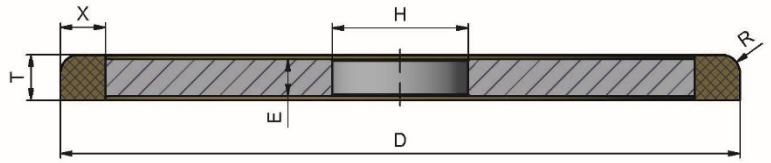
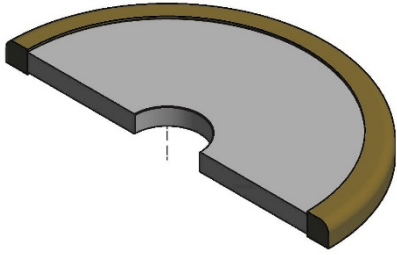
## 1Q1 (shape N°3)

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_-E\_\_-K\_\_ / N°3



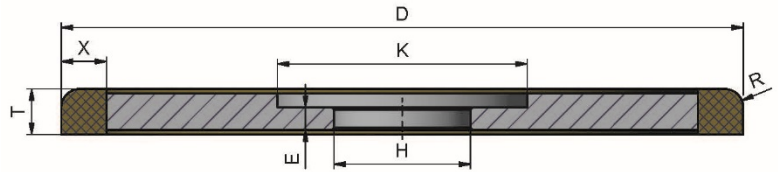
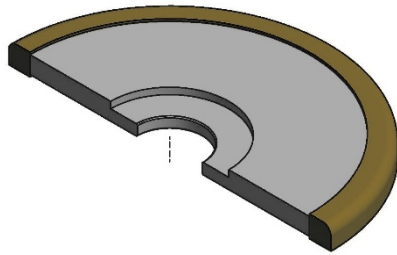
## 1Q1R (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_-E\_\_



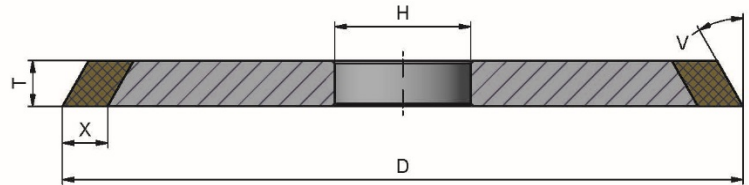
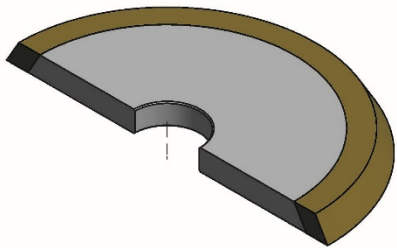
## 1Q1R (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-R\_\_-E\_\_-K\_\_ / N°2



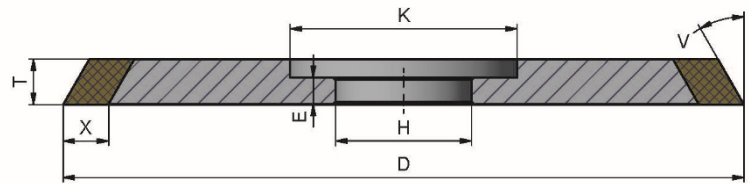
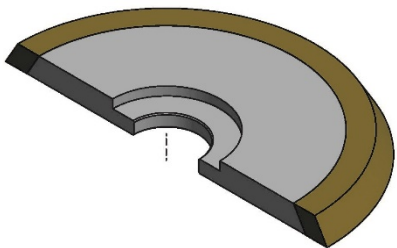
## 1V1 (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_



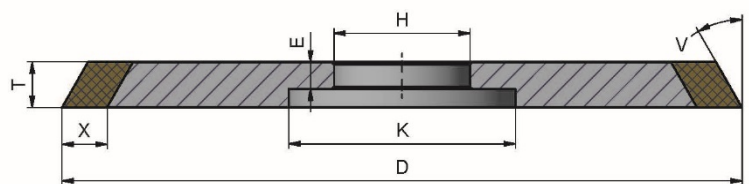
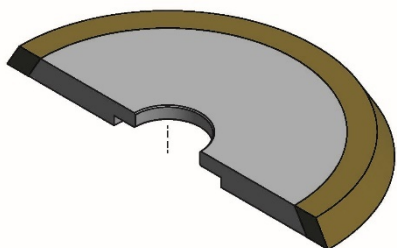
## 1V1 (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°2



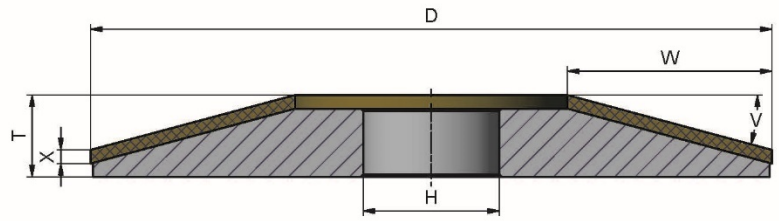
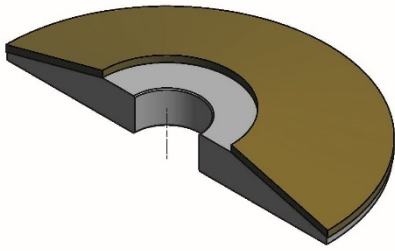
## 1V1 (shape N°3)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°3



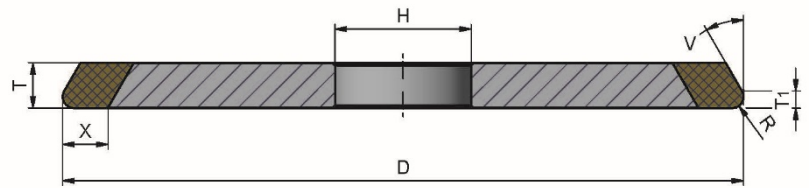
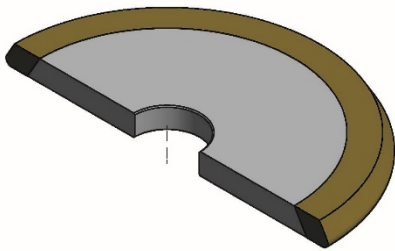
1V5

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-V\_\_



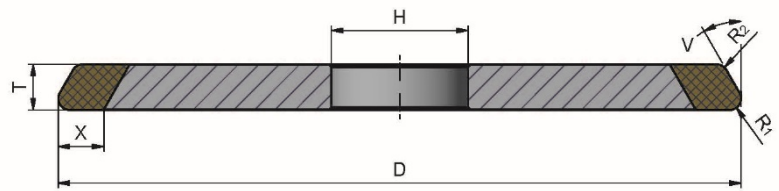
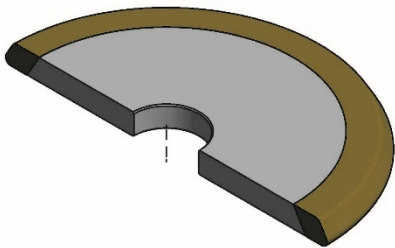
1VF1

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-R\_\_-T1\_\_



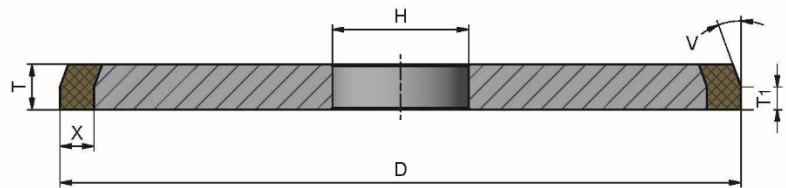
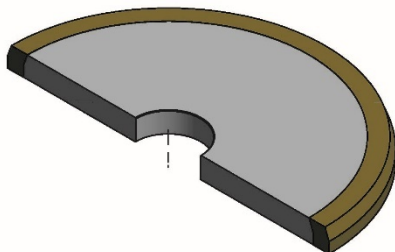
1VL1

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-R1\_\_-R2\_\_



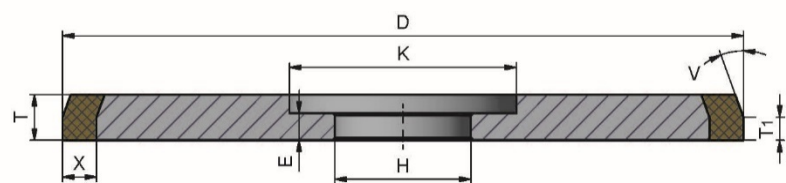
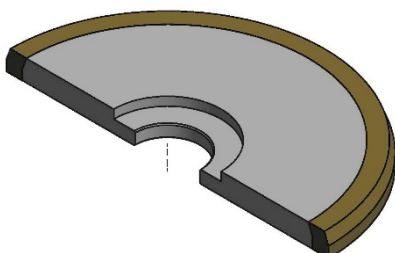
1Y1 (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_



1Y1 (shape N°2)

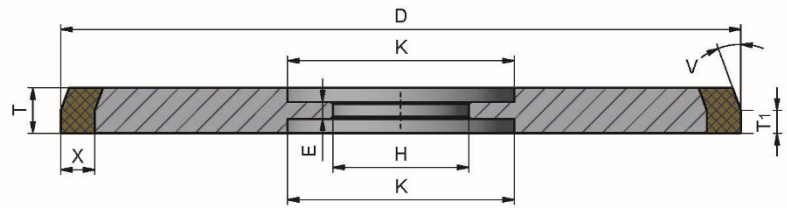
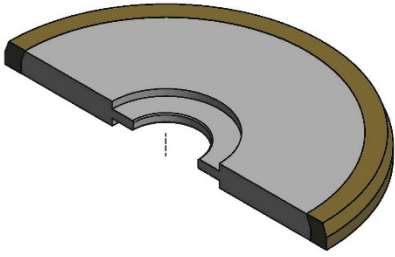
D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_-E\_\_-K\_\_ / N°2





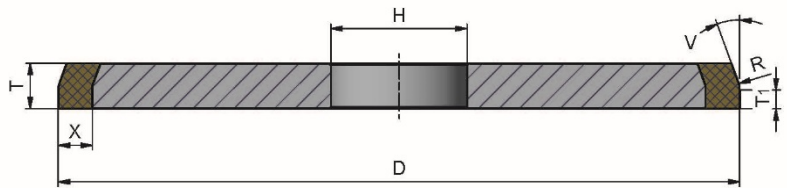
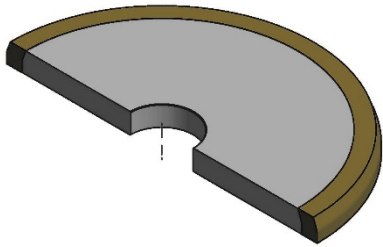
## 1Y1 (shape N°3)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_-E\_\_-K\_\_ / N°3



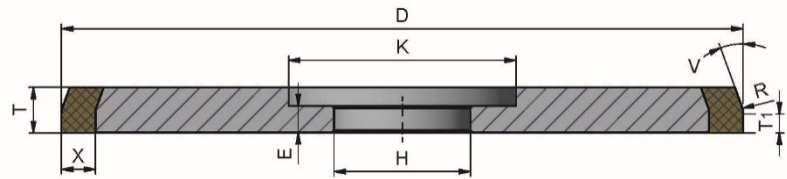
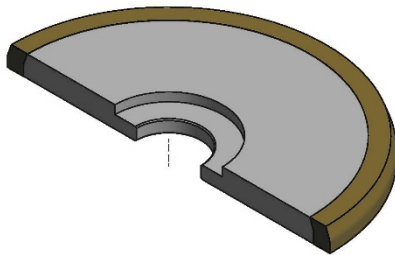
## 1Y1F (shape N°1)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_-R\_\_



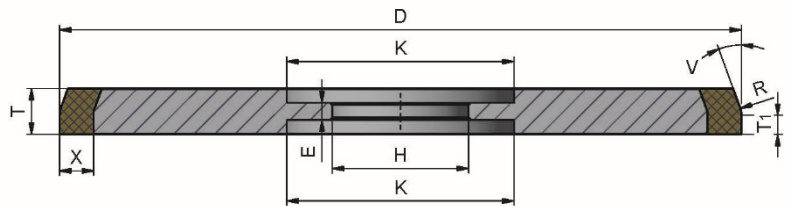
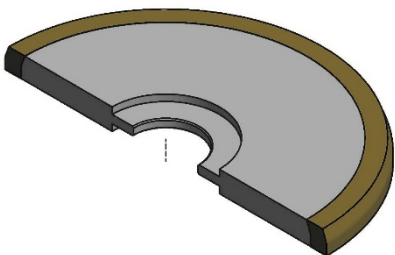
## 1Y1F (shape N°2)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_-R\_\_-E\_\_-K\_\_ / N°2



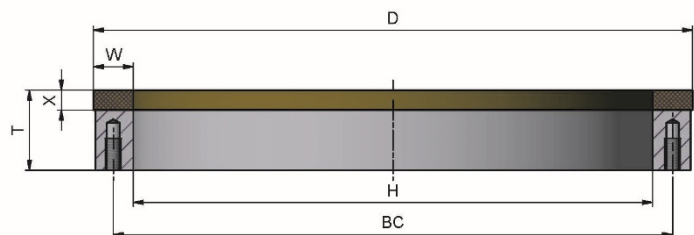
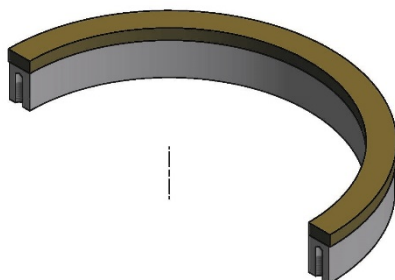
## 1Y1F (shape N°3)

D\_\_-T\_\_-H\_\_-X\_\_-V\_\_-T1\_\_-R\_\_-E\_\_-K\_\_ / N°3



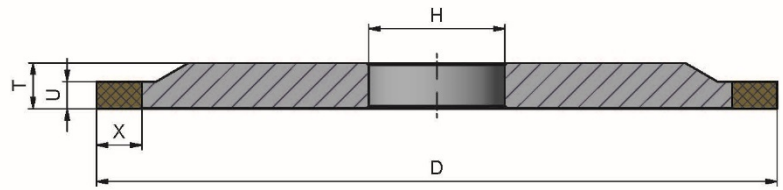
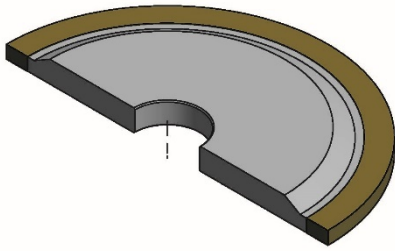
## 2A2T

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-BC\_\_



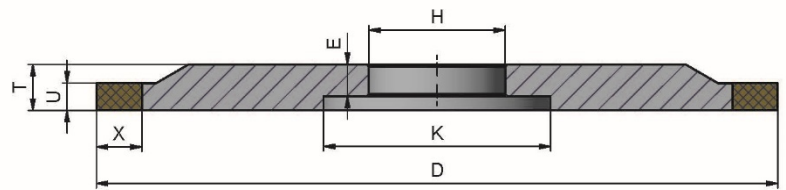
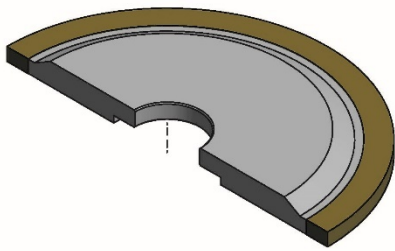
## 3A1 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_



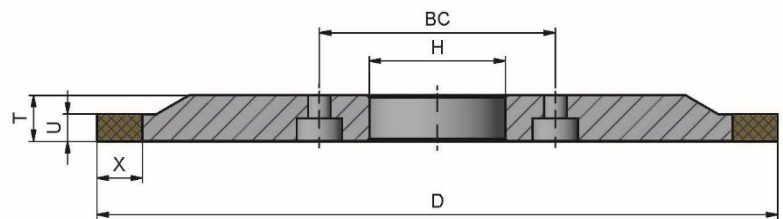
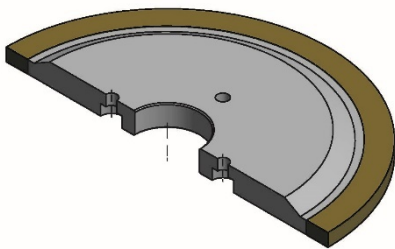
## 3A1 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_ / N°2



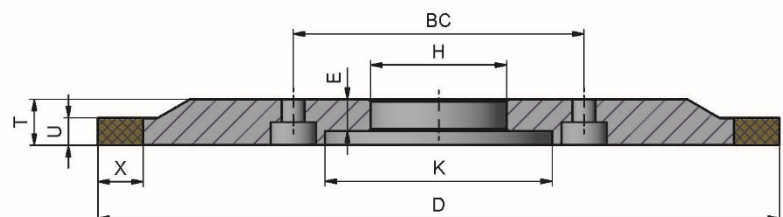
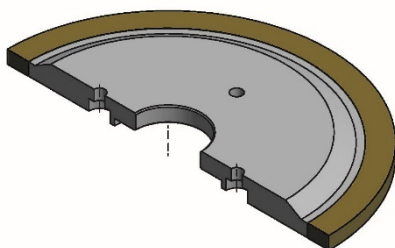
## 3A1B (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-BC\_\_



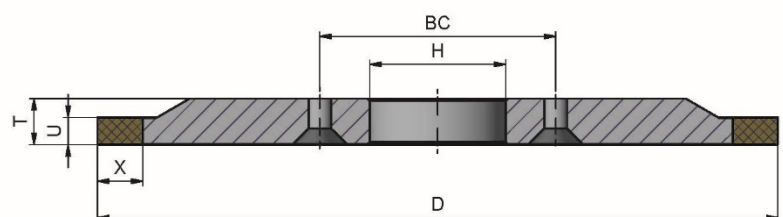
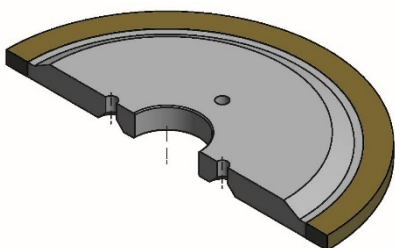
## 3A1B (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-BC\_\_-E\_\_-K\_\_ / N°2



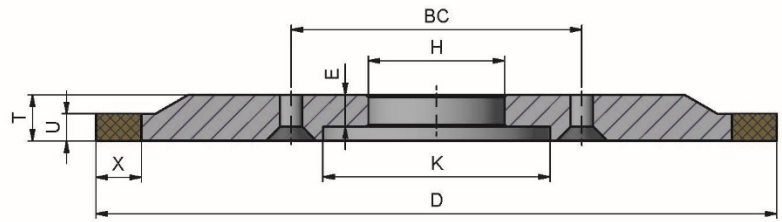
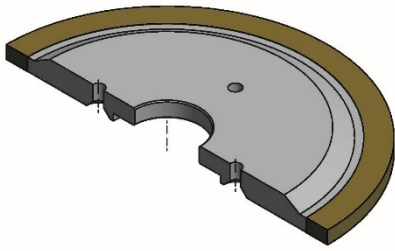
## 3A1C (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-BC\_\_



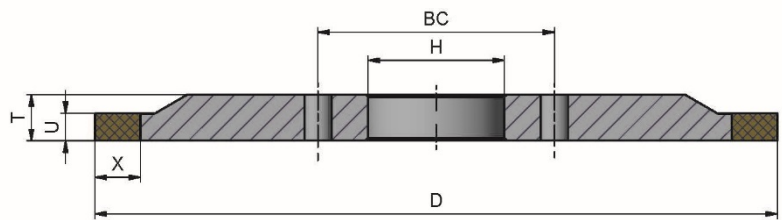
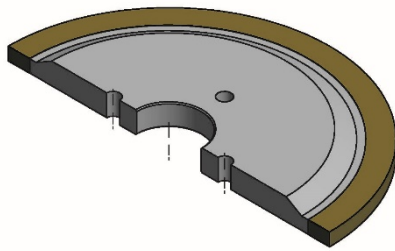
## 3A1C (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-BC\_\_-E\_\_-K\_\_ / N°2



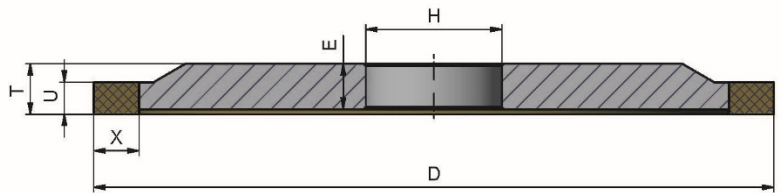
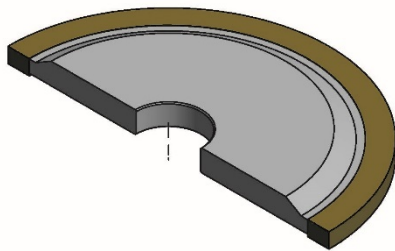
## 3A1H

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-BC\_\_



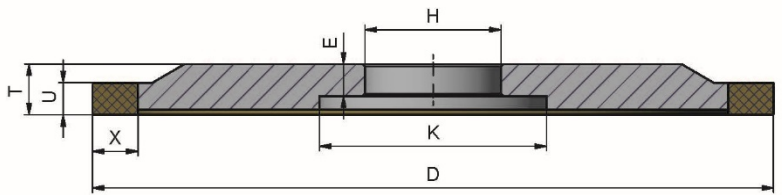
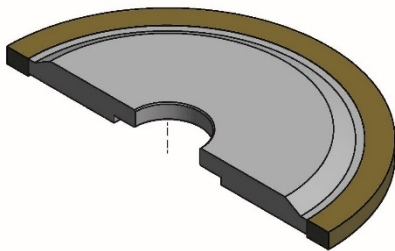
## 3A1P (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_



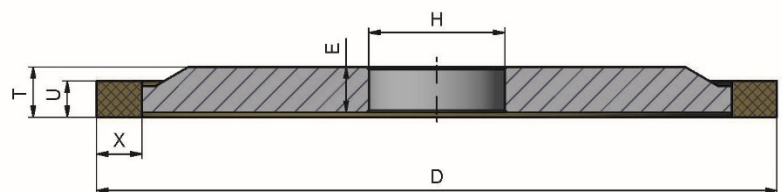
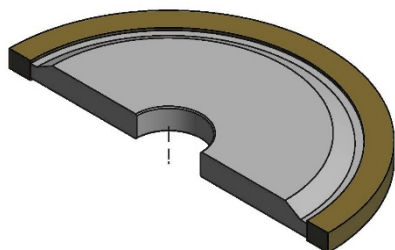
## 3A1P (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_ / N°2



## 3A1R (shape N°1)

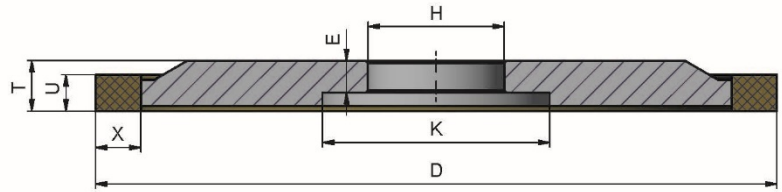
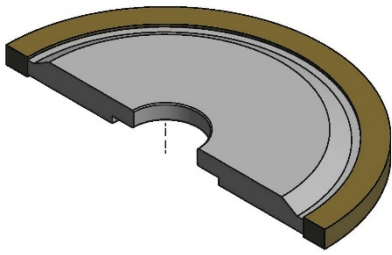
D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_





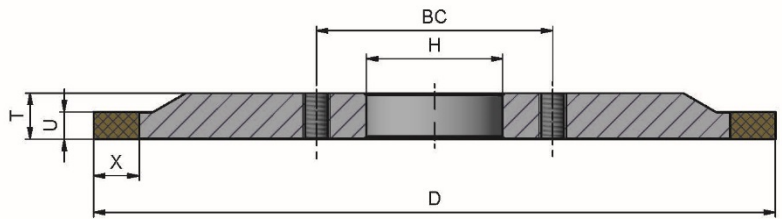
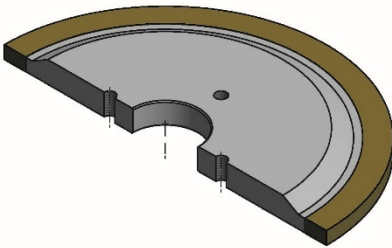
## 3A1R (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_ / N°2



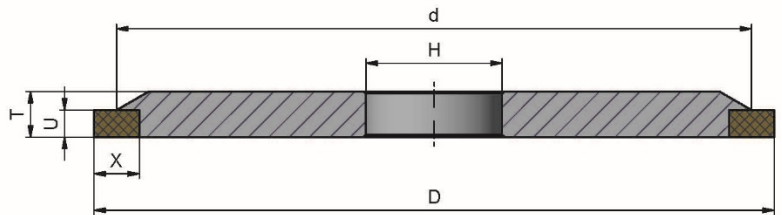
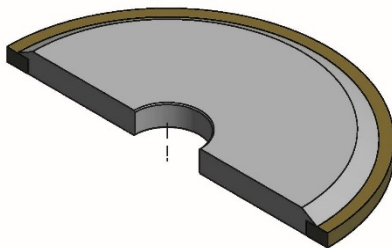
## 3A1T

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-BC\_\_



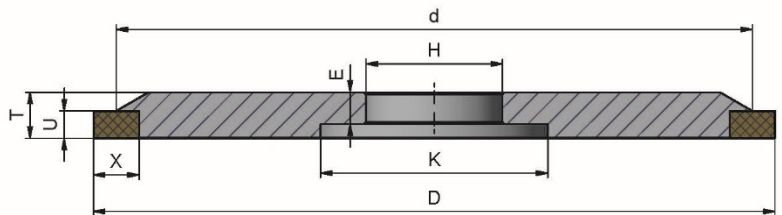
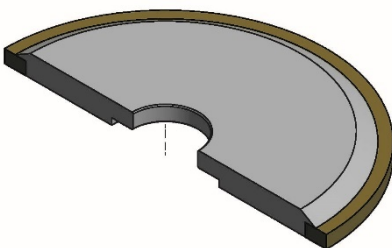
## 3A9 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-d\_\_



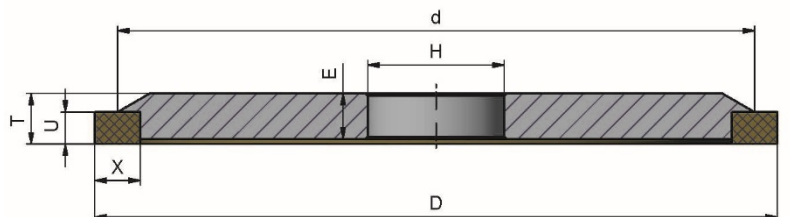
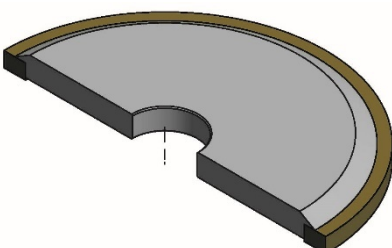
## 3A9 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-d\_\_-E\_\_-K\_\_ / N°2



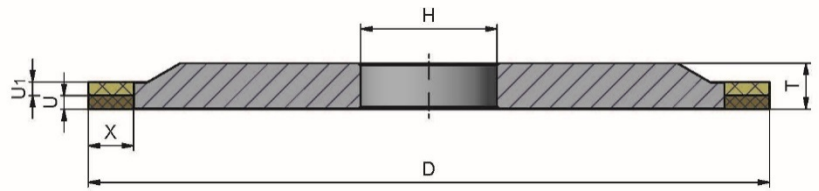
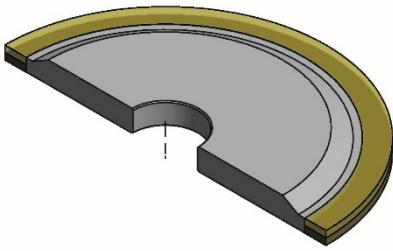
## 3A9P

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-d\_\_



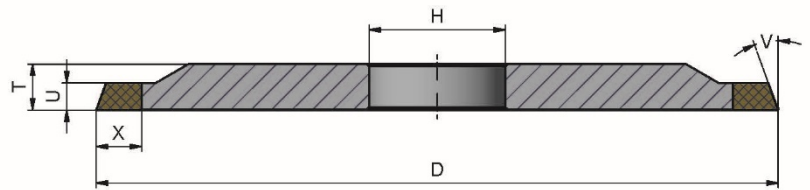
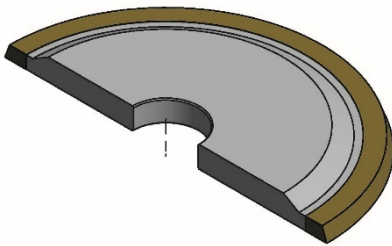
3AA1

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-U1\_\_



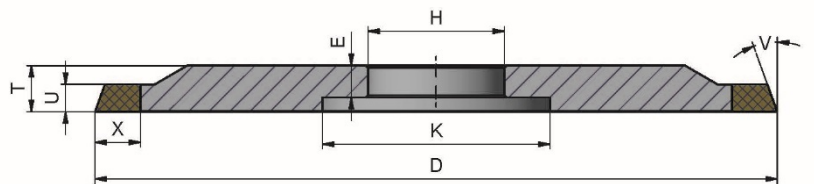
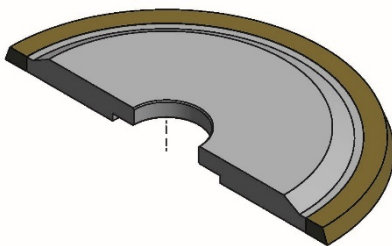
3B1 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_



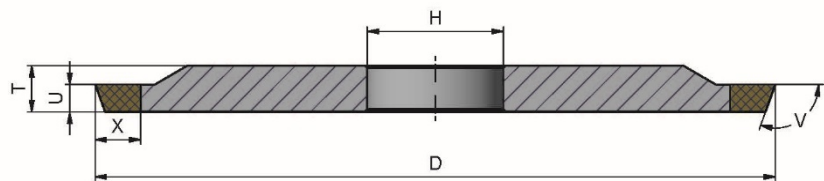
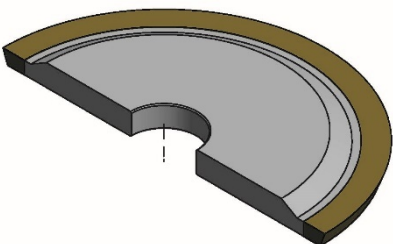
3B1 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°2



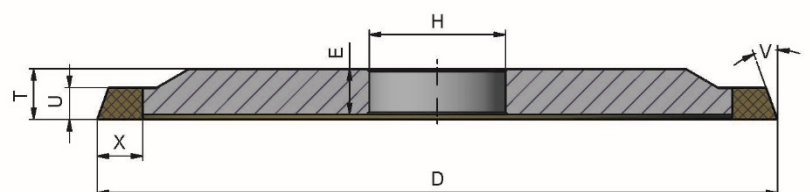
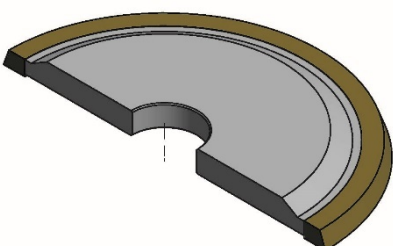
3B1 (shape N°3)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_ / N°3



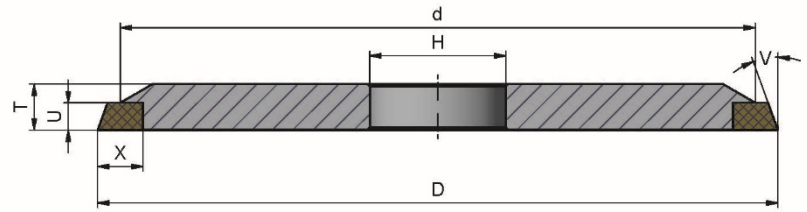
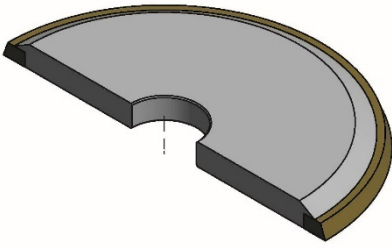
3B1P

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-E\_\_



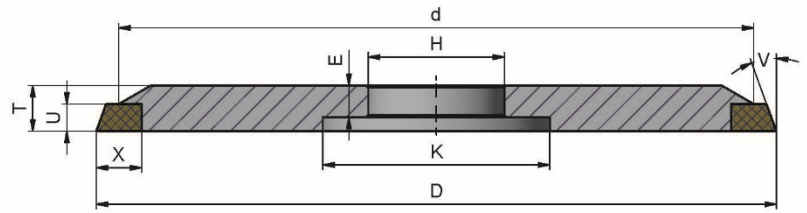
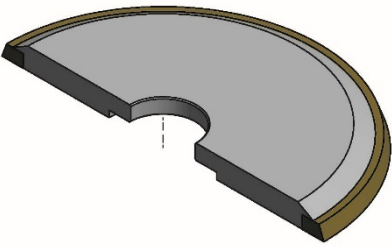
## 3B9 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-d\_\_



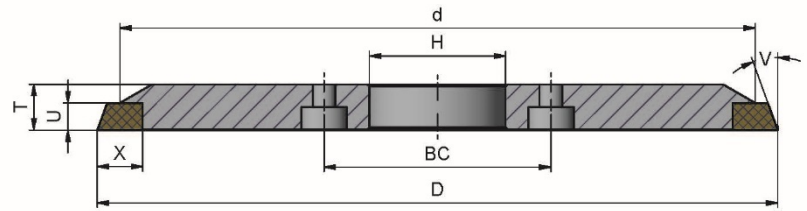
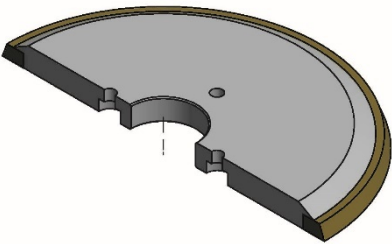
## 3B9 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-d\_\_-E\_\_-K\_\_ / N°2



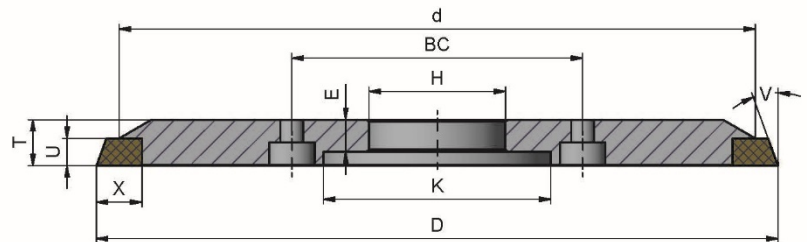
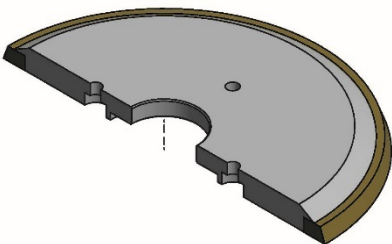
## 3B9B (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-d\_\_-BC\_\_



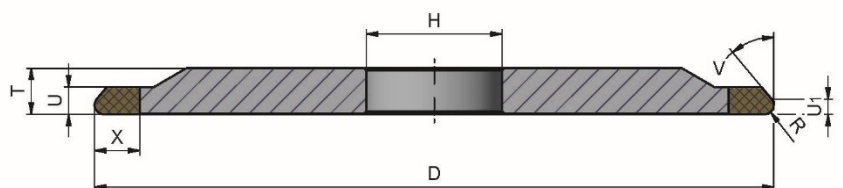
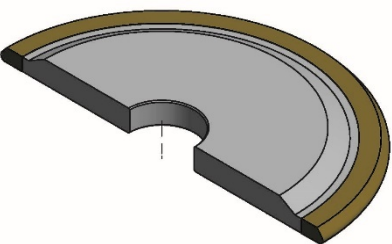
## 3B9B (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-d\_\_-E\_\_-K\_\_-BC\_\_ / N°2



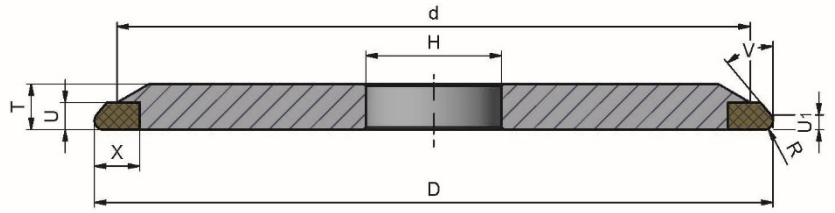
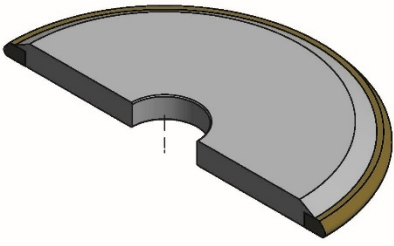
## 3BF1

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-R\_\_-U1\_\_



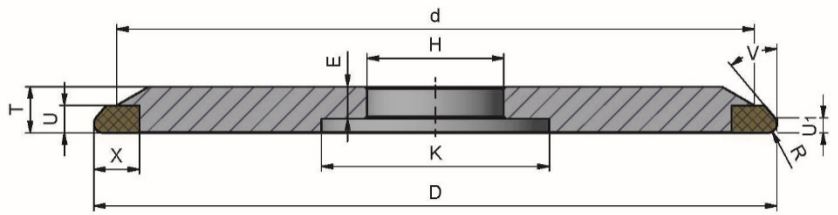
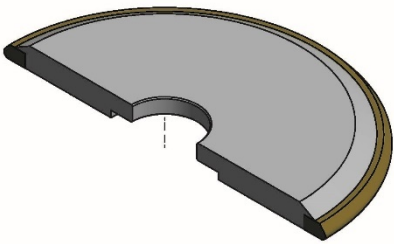
### 3BF9 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-R\_\_-U1\_\_-d\_\_



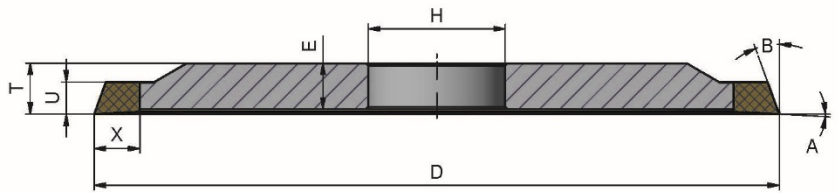
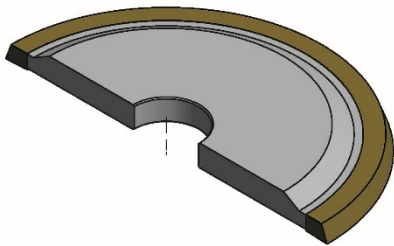
### 3BF9 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-R\_\_-U1\_\_-d\_\_-E\_\_-K\_\_ / N°2



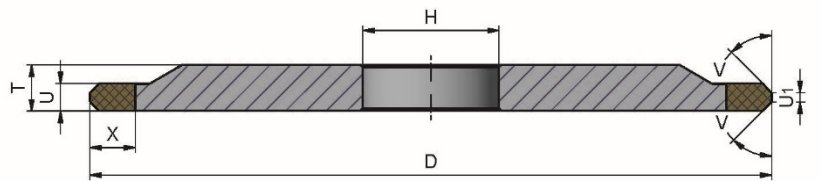
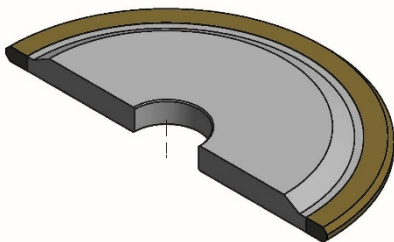
### 3BT1P

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-A\_\_-B\_\_-E\_\_



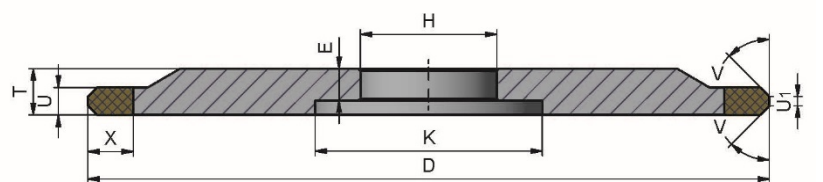
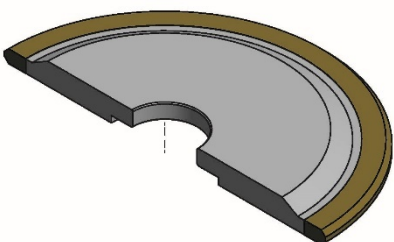
### 3D1 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_



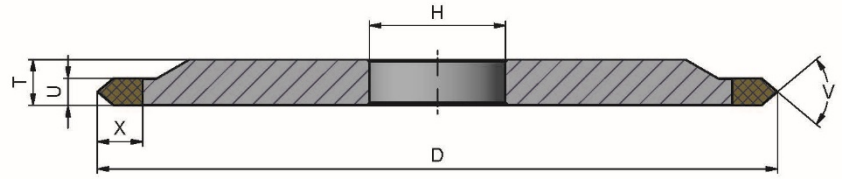
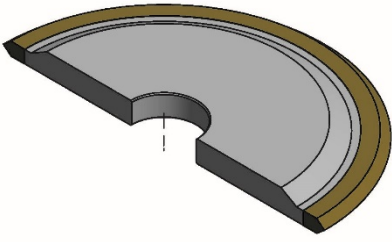
### 3D1 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-E\_\_-K\_\_-U1\_\_ / N°2



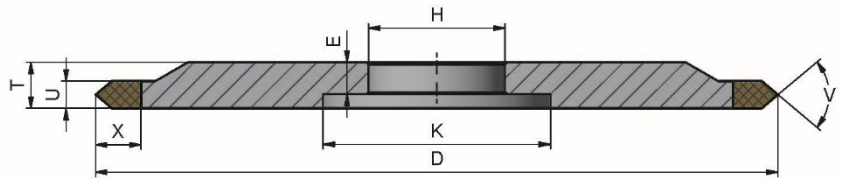
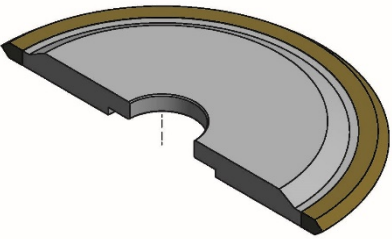
## 3E1 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_



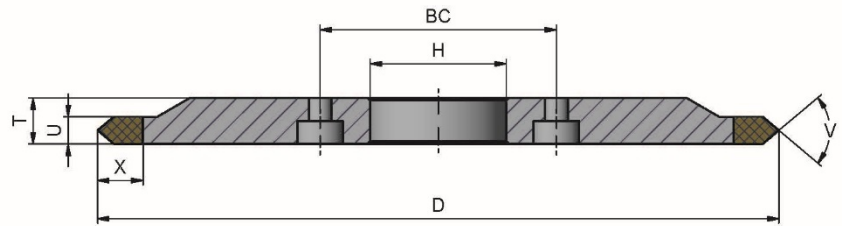
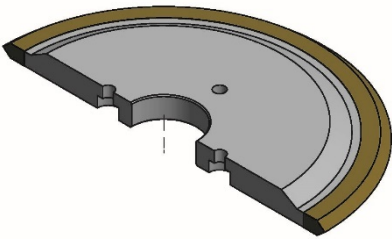
## 3E1 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°2



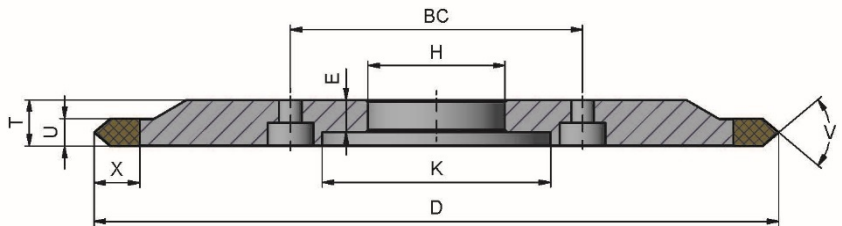
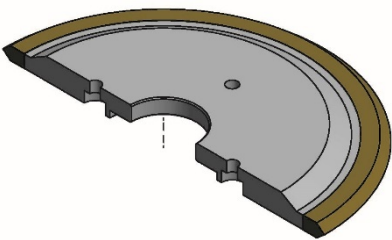
## 3E1B (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-BC\_\_



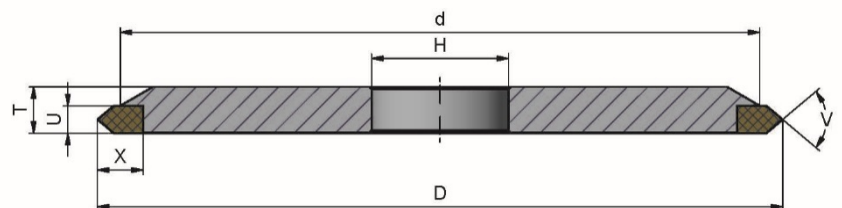
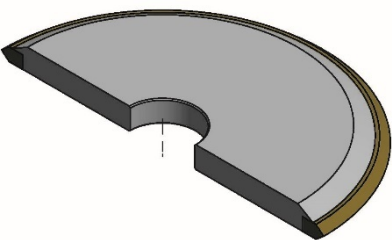
## 3E1B (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-E\_\_-K\_\_-BC\_\_ / N°2



## 3E9 (shape N°1)

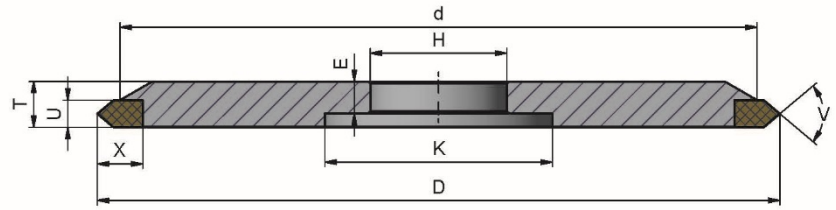
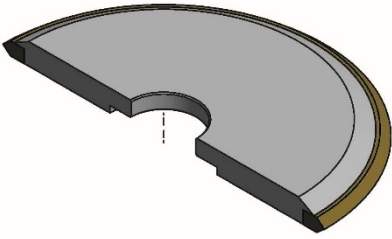
D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-d\_\_





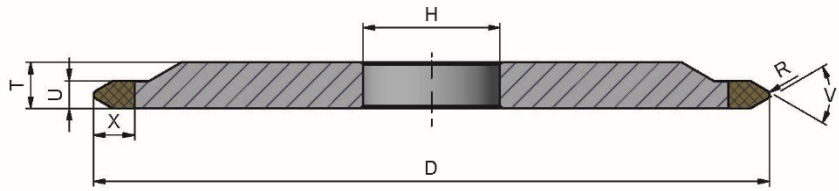
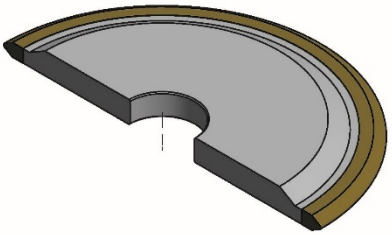
## 3E9 (shape N°2)

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_d\_\_E\_\_K\_\_ / N°2



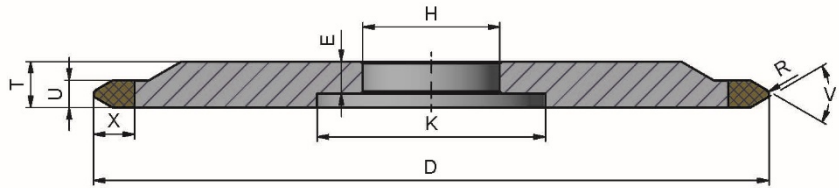
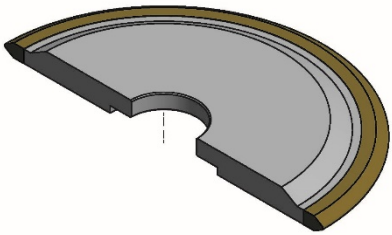
## 3EF1 (shape N°1)

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_R\_\_



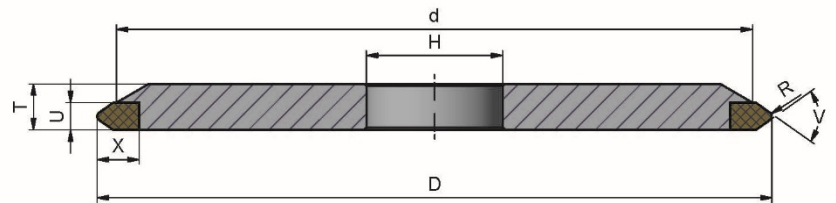
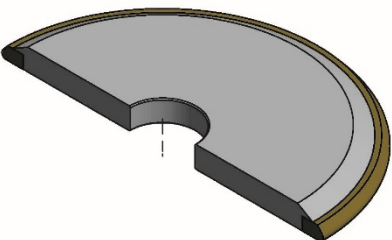
## 3EF1 (shape N°2)

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_R\_\_E\_\_K\_\_ / N°2



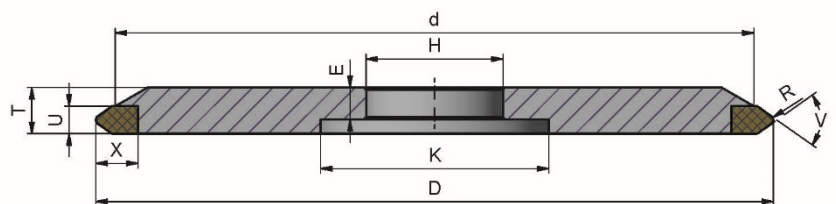
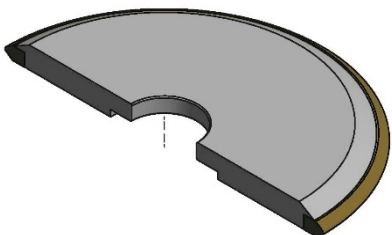
## 3EF9 (shape N°1)

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_R\_\_d\_\_



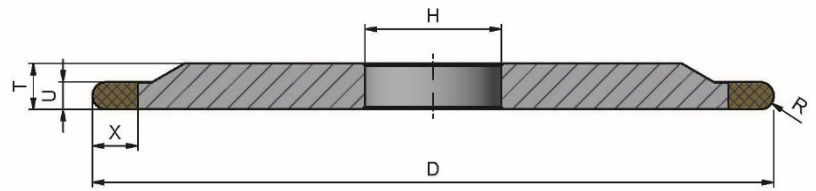
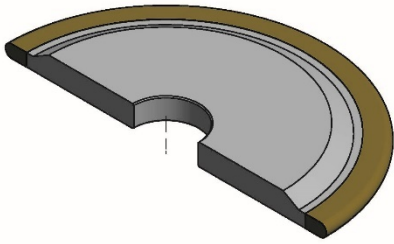
## 3EF9 (shape N°2)

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_R\_\_d\_\_E\_\_K\_\_ / N°2



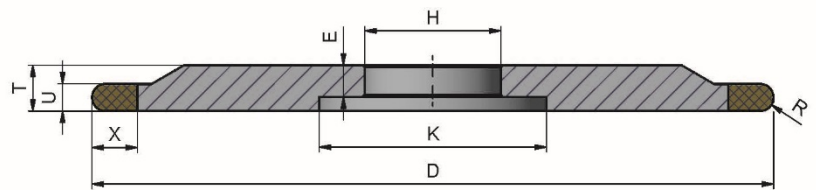
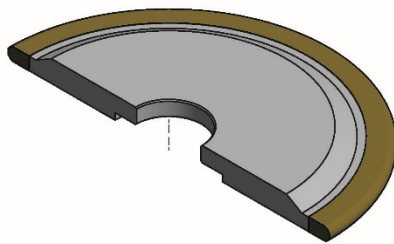
## 3F1 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-R\_\_



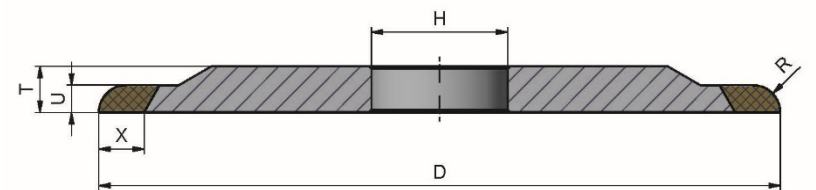
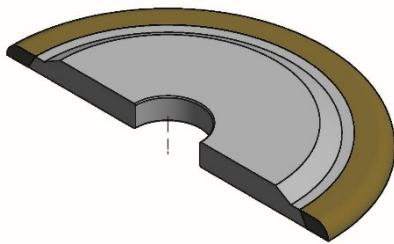
## 3F1 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-R\_\_-E\_\_-K\_\_ / N°2



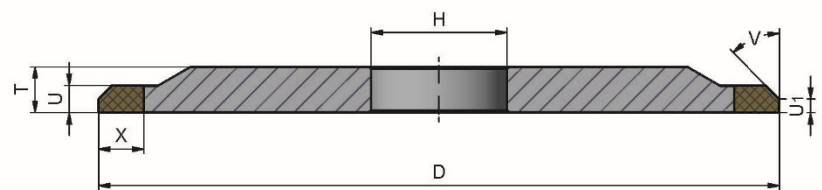
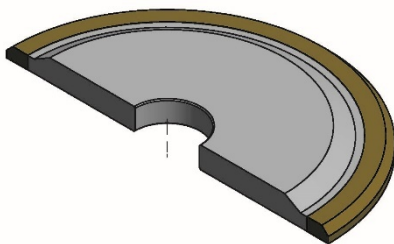
## 3H1

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-R\_\_



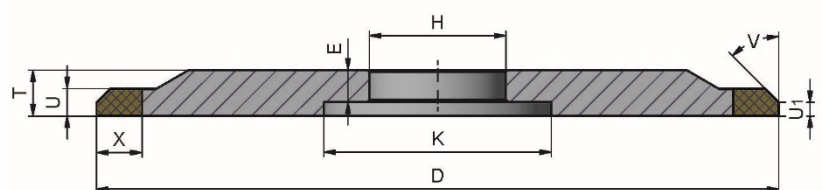
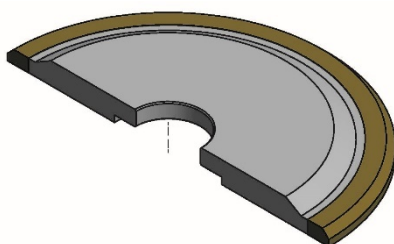
## 3M1 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_



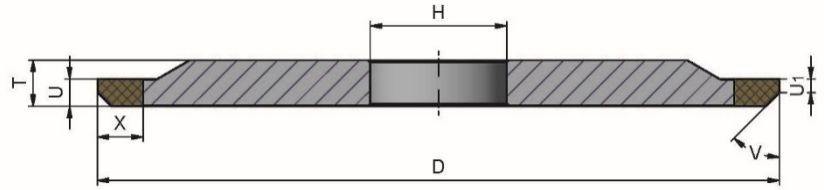
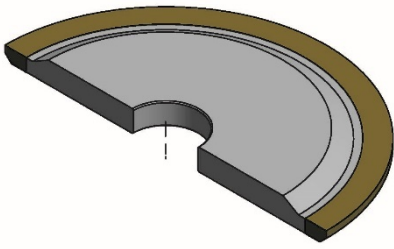
## 3M1 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_-E\_\_-K\_\_ / N°2



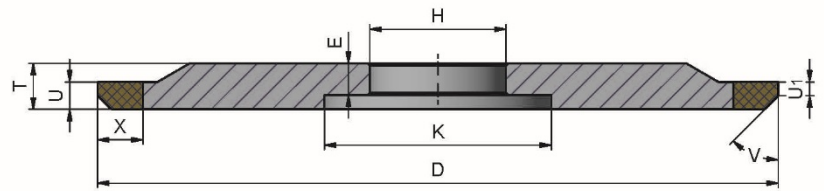
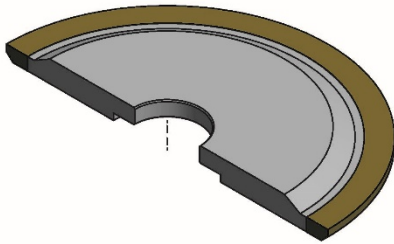
## 3M1 (shape N°3)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_ / N°3



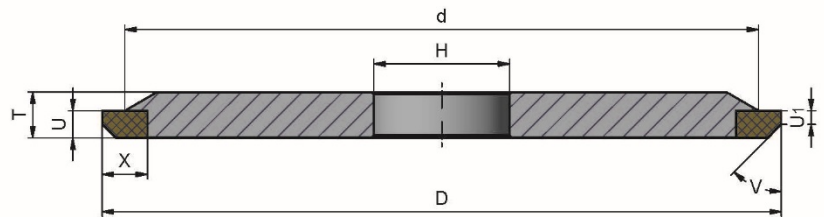
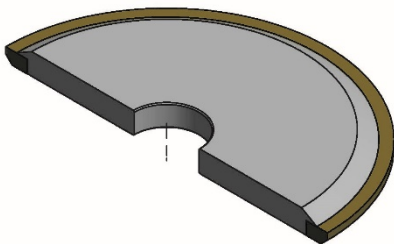
## 3M1 (shape N°4)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_-E\_\_-K\_\_ / N°4



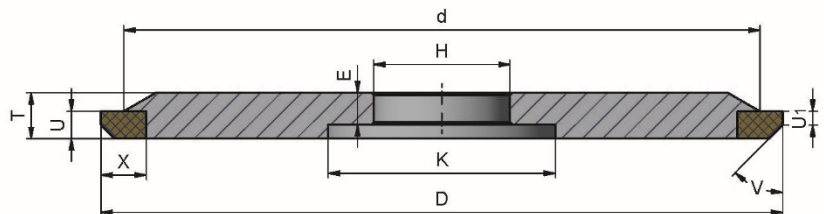
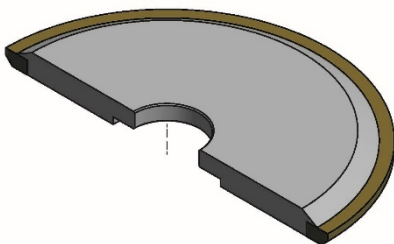
## 3M9 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_-d\_\_



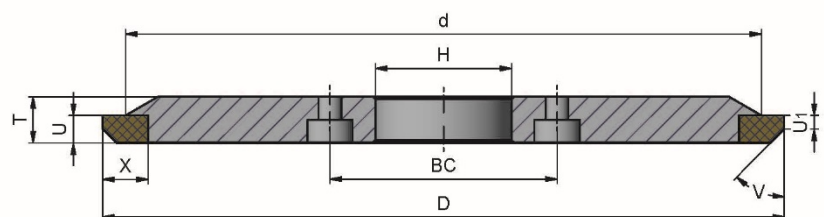
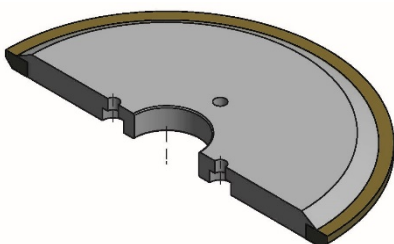
## 3M9 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_-d\_\_-E\_\_-K\_\_ / N°2



## 3M9B

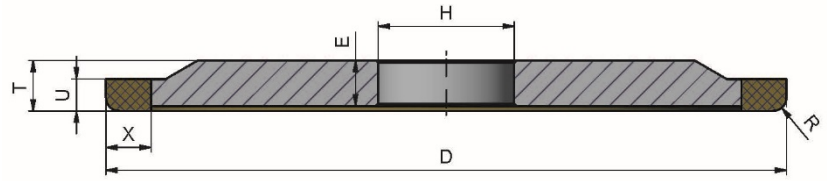
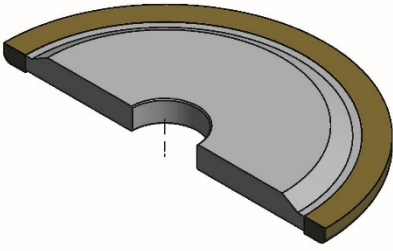
D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_-BC\_\_-d\_\_





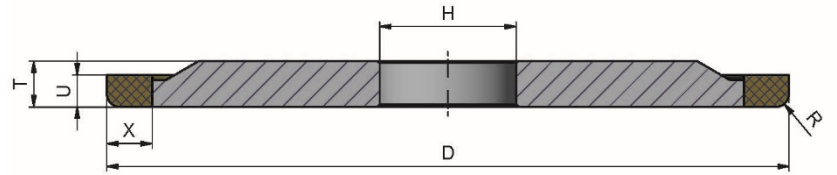
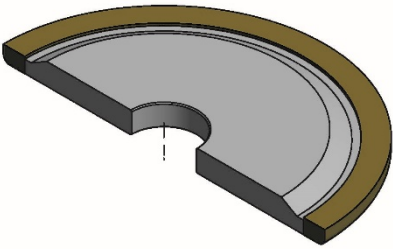
## 3Q1P (shape N°1)

D\_\_T\_\_H\_\_U\_\_X\_\_R\_\_E\_\_



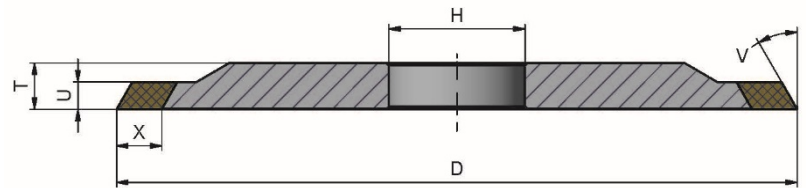
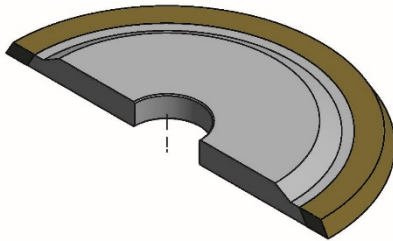
## 3Q1P (shape N°2)

D\_\_T\_\_H\_\_U\_\_X\_\_R\_\_ / N°2



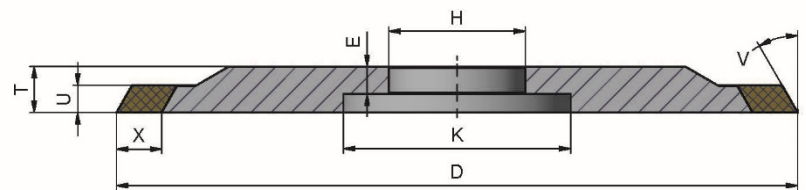
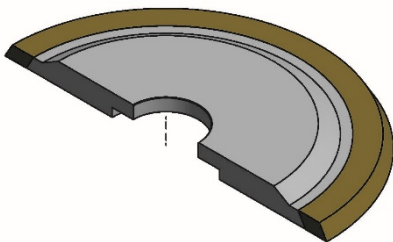
## 3V1 (shape N°1)

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_



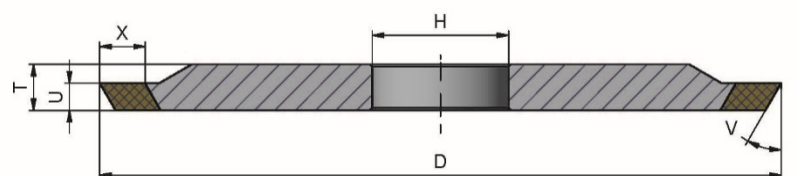
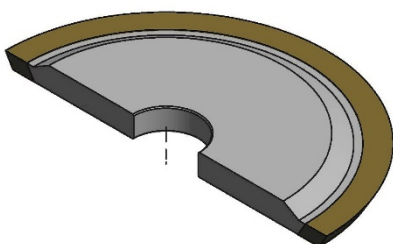
## 3V1 (shape N°2)

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_E\_\_K\_\_ / N°2



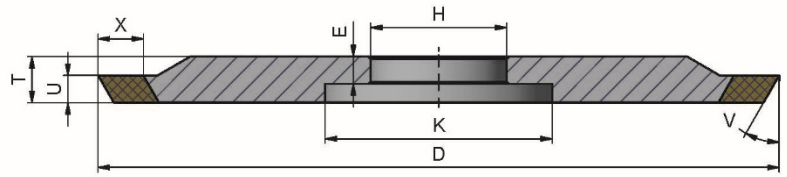
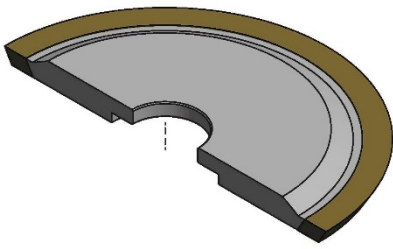
## 3V9 (shape N°1)

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_



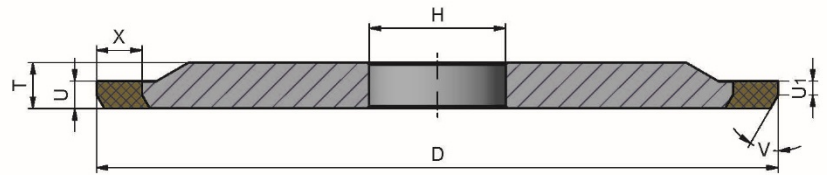
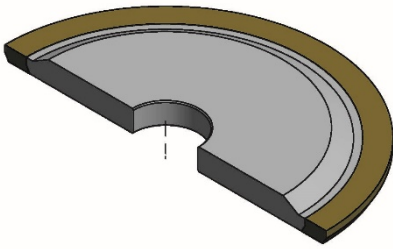
## 3V9 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°2



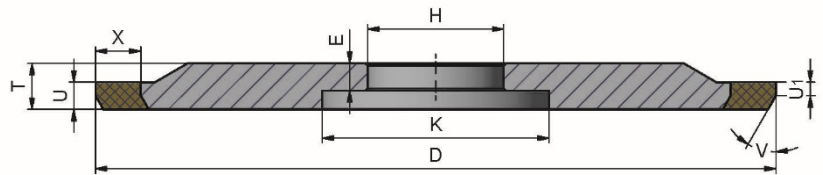
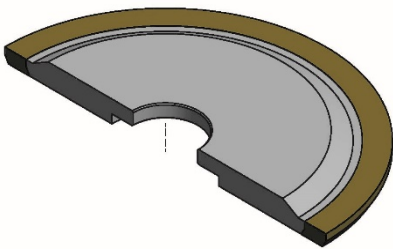
## 3Y1 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_



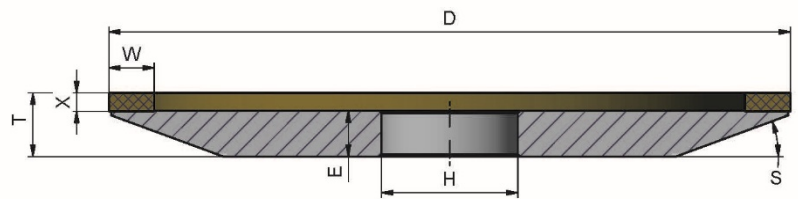
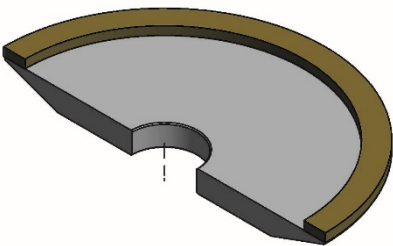
## 3Y1 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_-E\_\_-K\_\_ / N°2



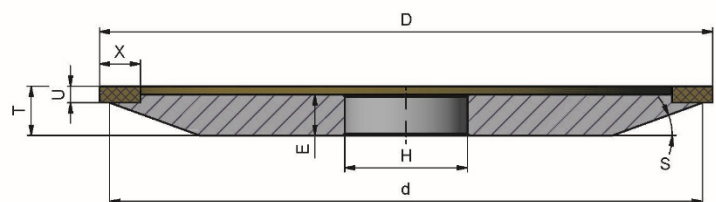
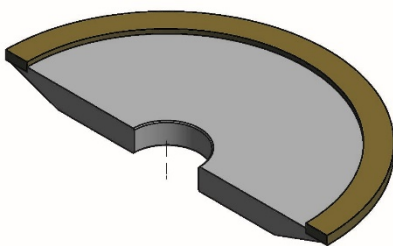
## 4A2

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_-S\_\_



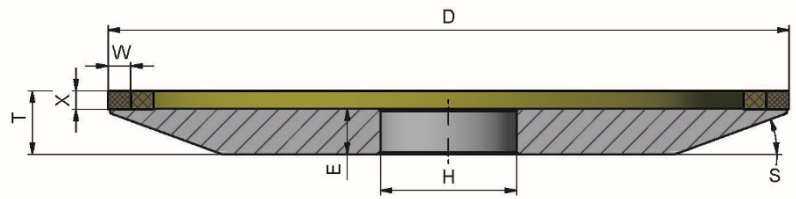
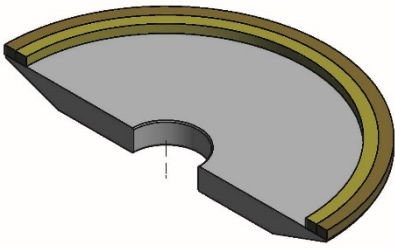
## 4A9P

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-S\_\_-d\_\_



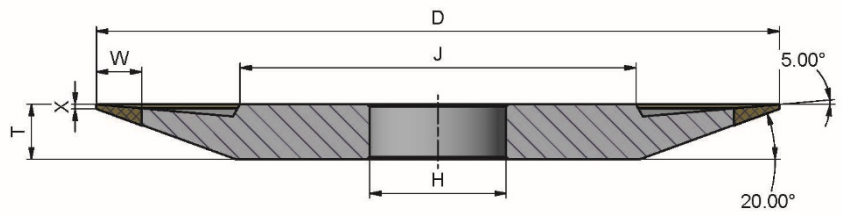
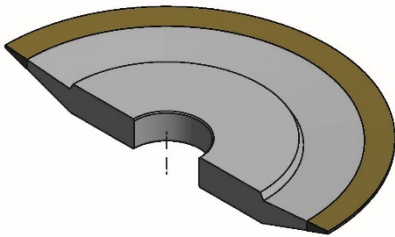
4AA2

D\_\_-T\_\_-H\_\_-W\_\_/\_-X\_\_-E\_\_-S\_\_



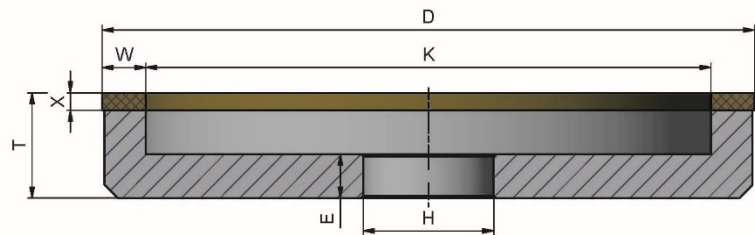
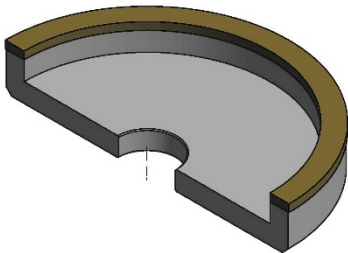
4BT9

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-J\_\_



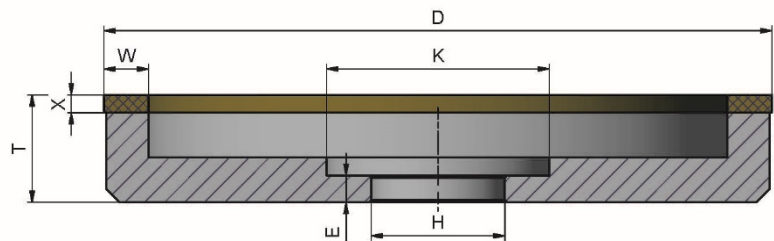
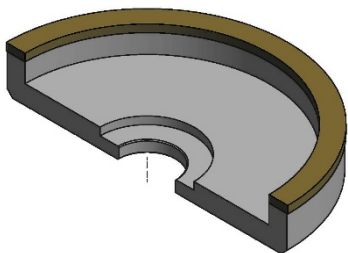
6A2 (shape N°1)

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_-K\_\_



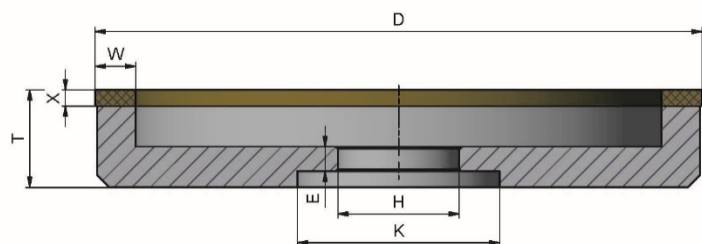
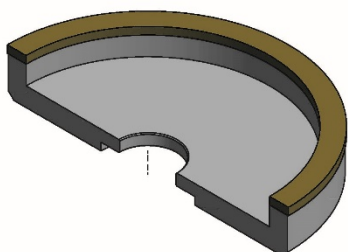
6A2 (shape N°2)

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_-K\_\_ / N°2



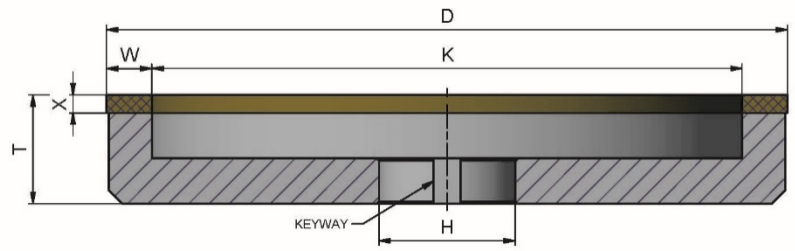
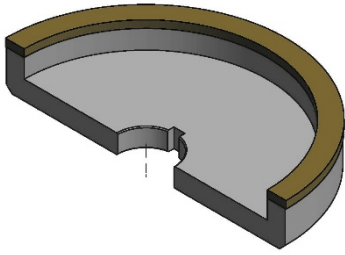
6A2 (shape N°3)

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_-K\_\_ / N°3



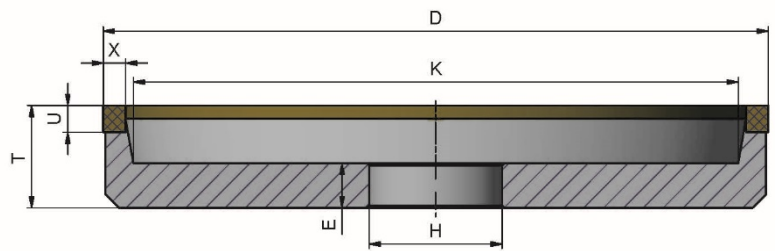
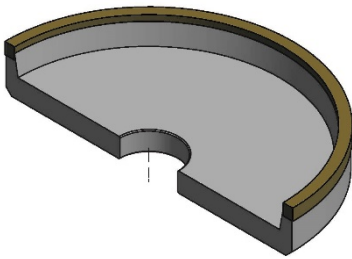
6A2K

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_-K\_\_



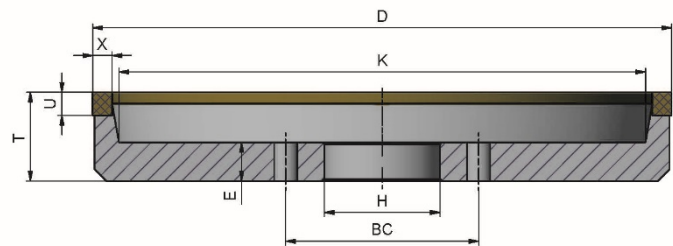
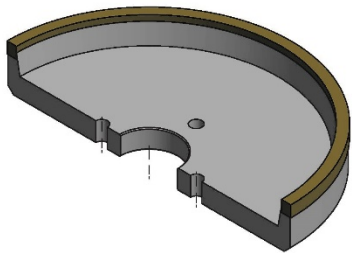
6A9

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_



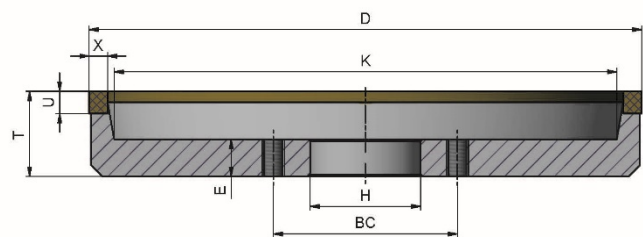
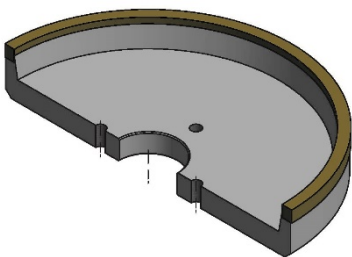
6A9H

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_-BC\_\_



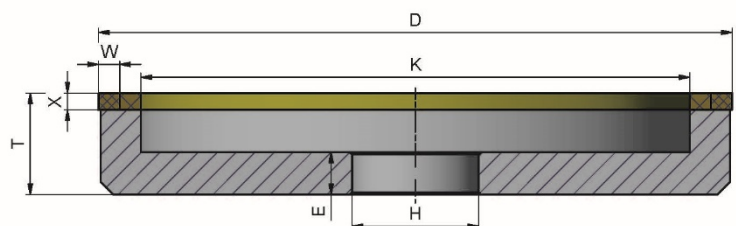
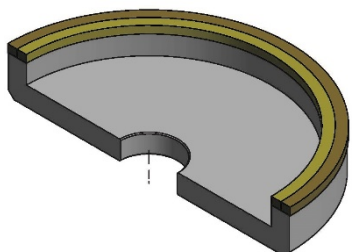
6A9T

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_-BC\_\_



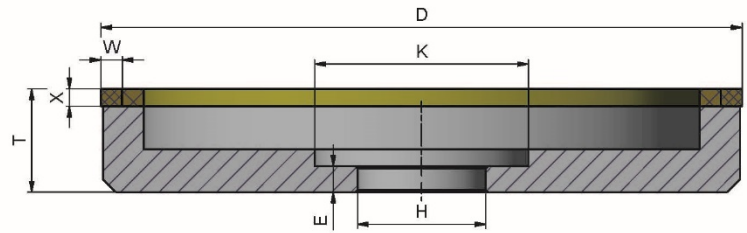
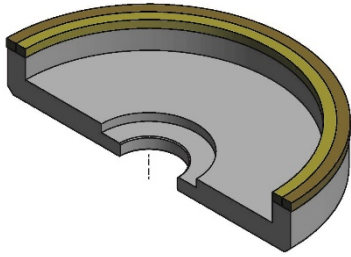
6AA2 (shape N°1)

D\_\_-T\_\_-H\_\_-W\_\_/\_/\_-X\_\_-E\_\_-K\_\_



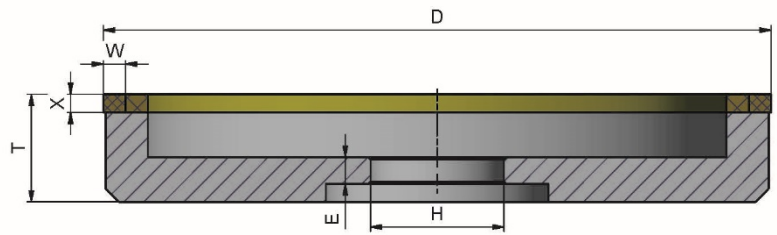
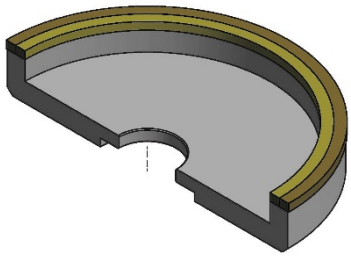
## 6AA2 (shape N°2)

D\_\_-T\_\_-H\_\_-W\_\_/\_-X\_\_-E\_\_-K\_\_ / N°2



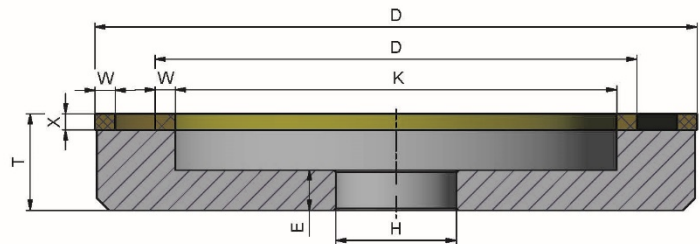
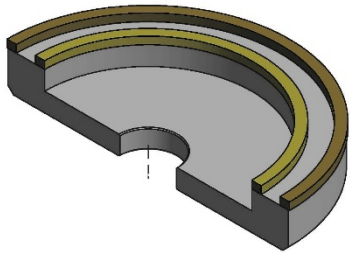
## 6AA2 (shape N°3)

D\_\_-T\_\_-H\_\_-W\_\_/\_-X\_\_-E\_\_-K\_\_ / N°3



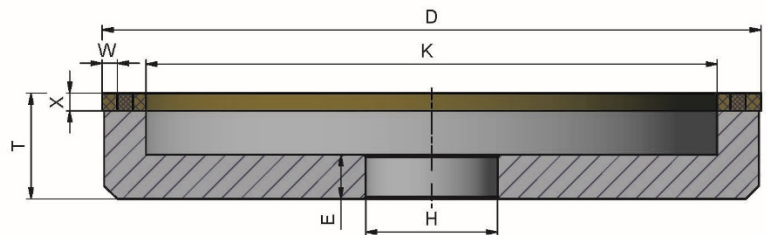
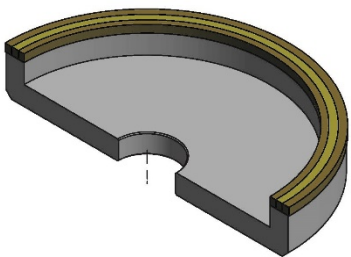
## 6AA7

D\_\_/\_-T\_\_-H\_\_-W\_\_/\_-X\_\_-E\_\_-K\_\_



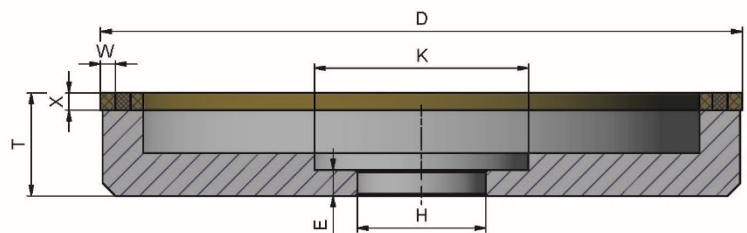
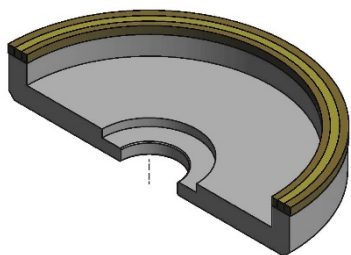
## 6AAA2 (shape N°1)

D\_\_-T\_\_-H\_\_-W\_\_/\_/\_-X\_\_-E\_\_-K\_\_



## 6AAA2 (shape N°2)

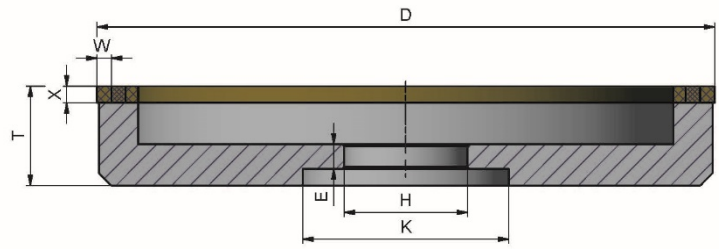
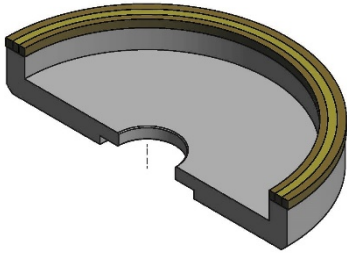
D\_\_-T\_\_-H\_\_-W\_\_/\_/\_-X\_\_-E\_\_-K\_\_ / N°2





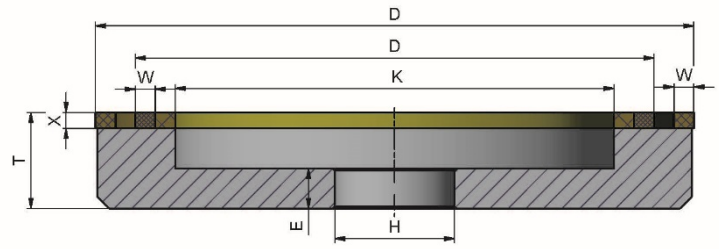
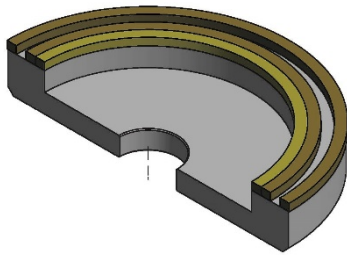
## 6AAA2 (shape N°3)

D\_\_-T\_\_-H\_\_-W\_\_/\_/\_-X\_\_-E\_\_-K\_\_ / N°3



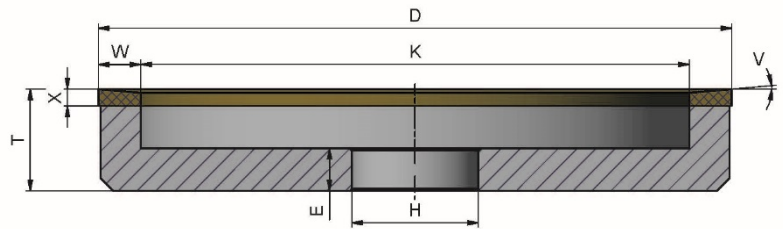
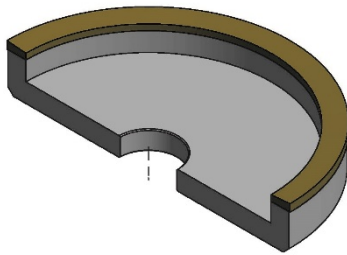
## 6AAA7

D\_\_/\_-T\_\_-H\_\_-W\_\_/\_/\_-X\_\_-E\_\_-K\_\_



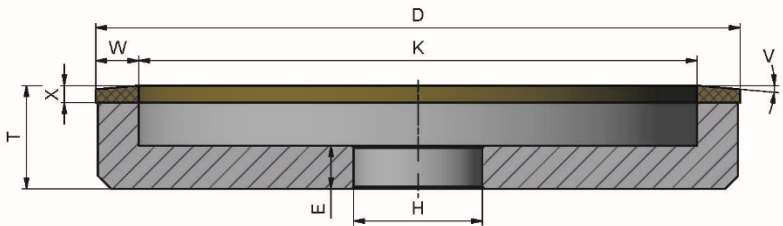
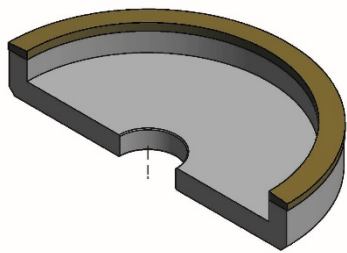
## 6B2 (shape N°1)

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-V\_\_-E\_\_-K\_\_



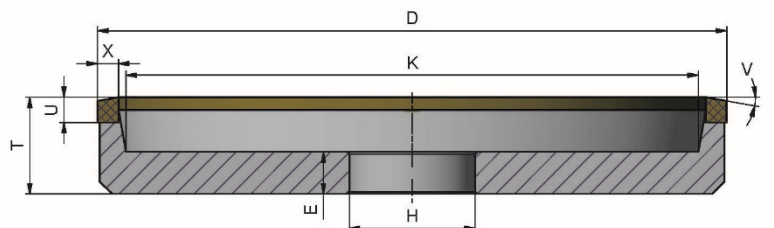
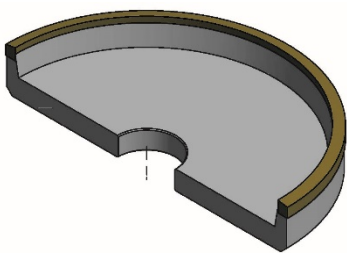
## 6B2 (shape N°2)

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°2



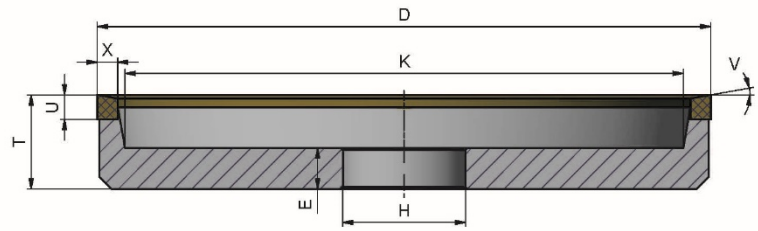
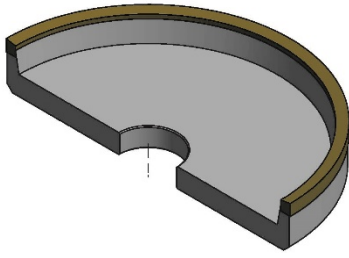
## 6B9 (shape N°1)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-E\_\_-K\_\_



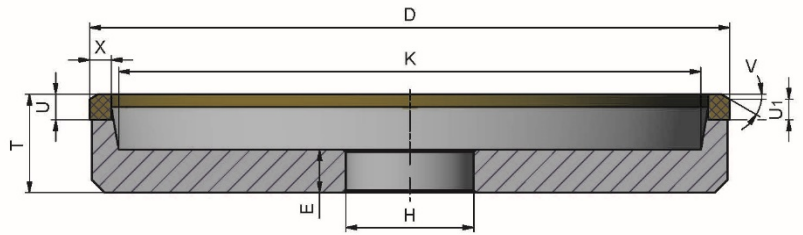
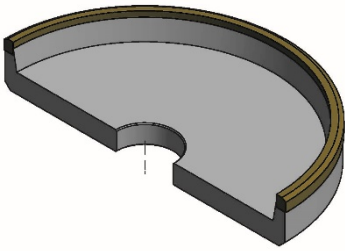
## 6B9 (shape N°2)

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-E\_\_-K\_\_ / N°2



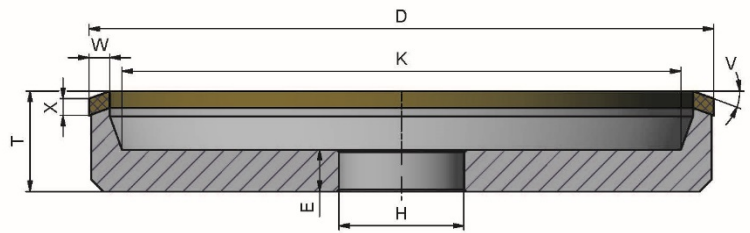
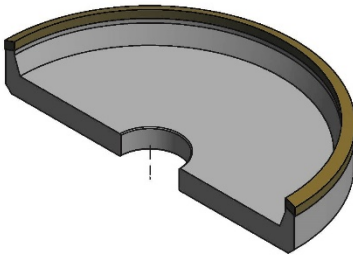
## 6M9

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_-V\_\_-U1\_\_



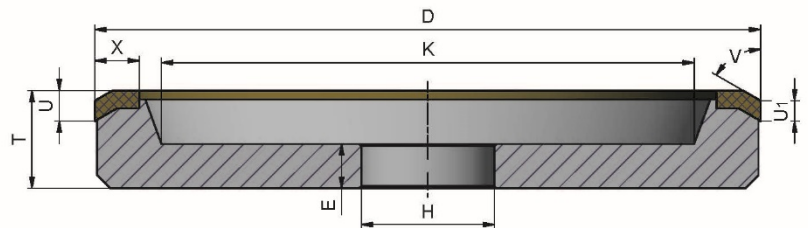
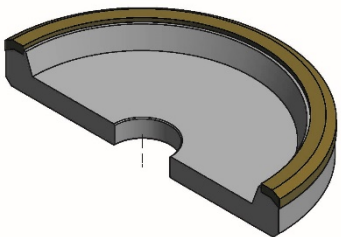
## 6V5

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-V\_\_-E\_\_-K\_\_



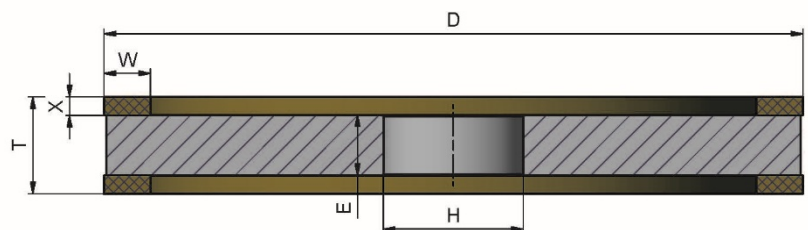
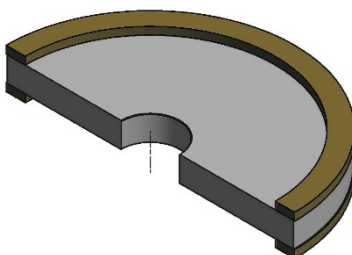
## 6Y9

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_-V\_\_-U1\_\_



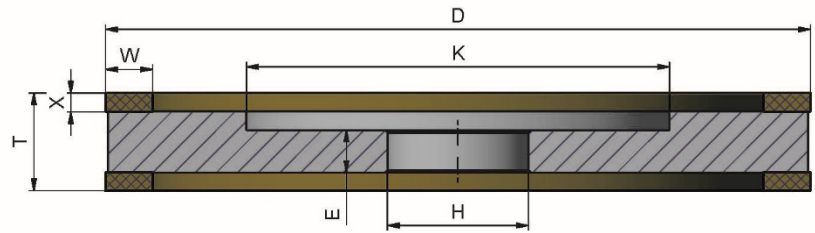
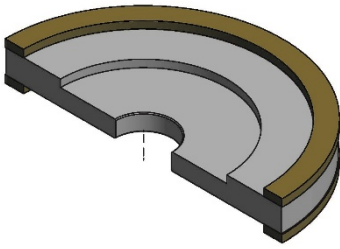
## 9A3 (shape N°1)

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_



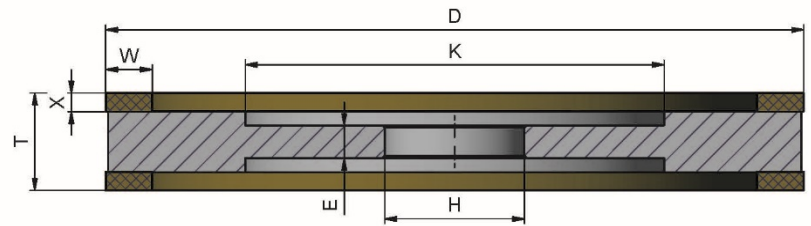
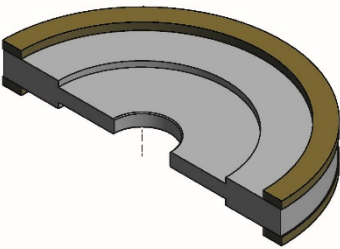
## 9A3 (shape N°2)

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_-K\_\_ / N°2



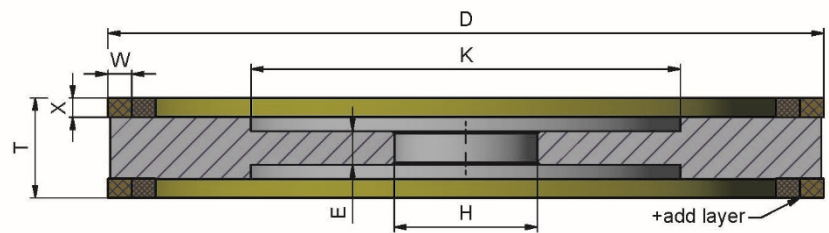
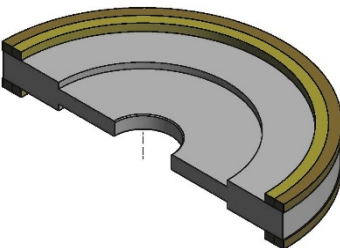
## 9A3 (shape N°3)

D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_-K\_\_ / N°3



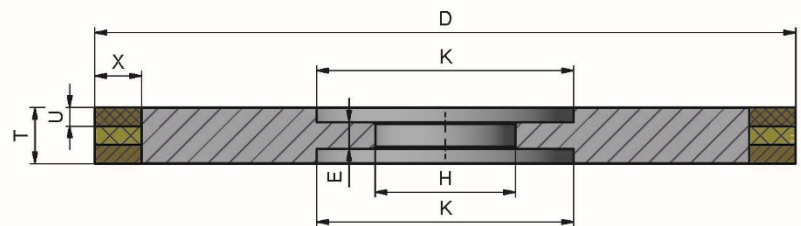
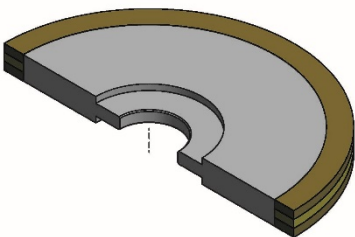
## 9AA3

D\_\_-T\_\_-H\_\_-W\_\_/\_-X\_\_-E\_\_-K\_\_



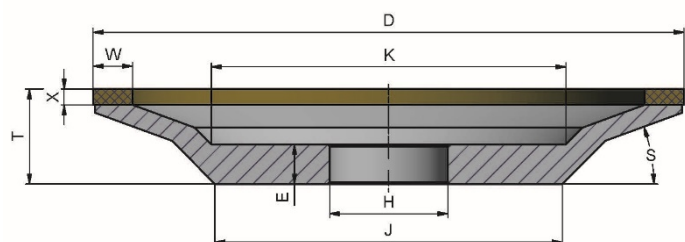
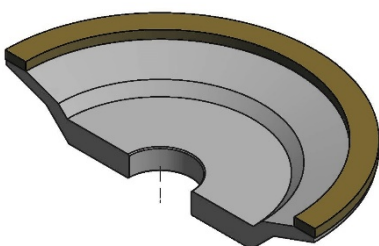
## 9AAA1

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-E\_\_-K\_\_



## 10A2

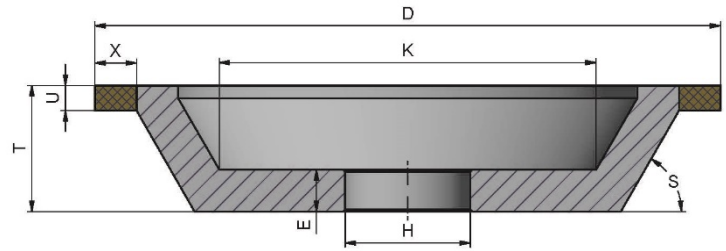
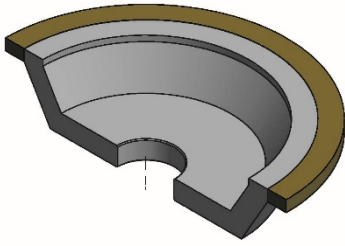
D\_\_-T\_\_-H\_\_-W\_\_-X\_\_-E\_\_-K\_\_-J\_\_-S\_\_





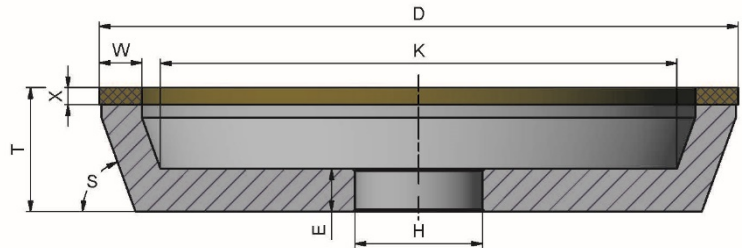
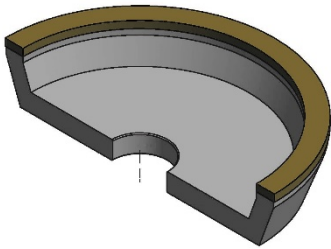
11A1

D\_\_T\_\_H\_\_U\_\_X\_\_E\_\_K\_\_S\_\_



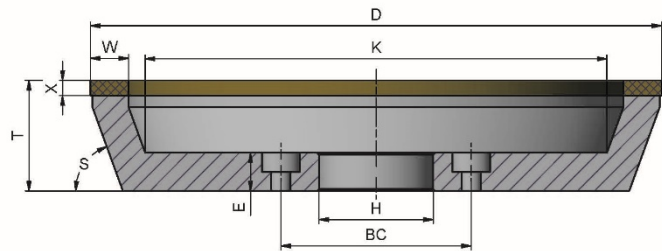
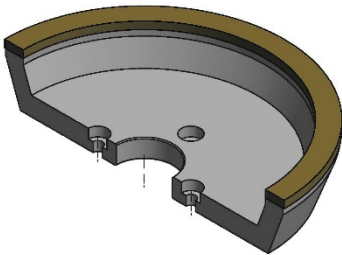
11A2

D\_\_T\_\_H\_\_W\_\_X\_\_E\_\_K\_\_S\_\_



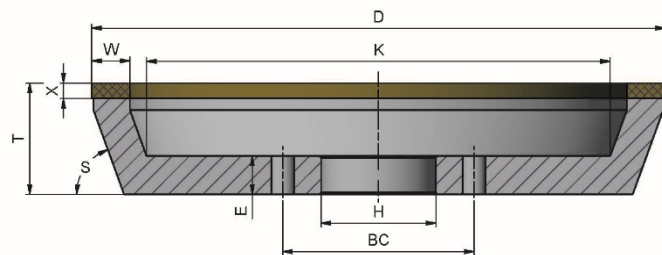
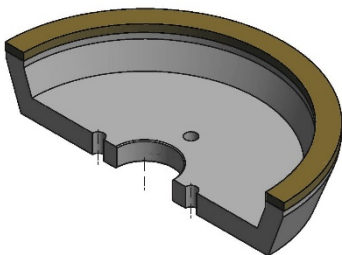
11A2B

D\_\_T\_\_H\_\_W\_\_X\_\_E\_\_K\_\_S\_\_-BC\_\_



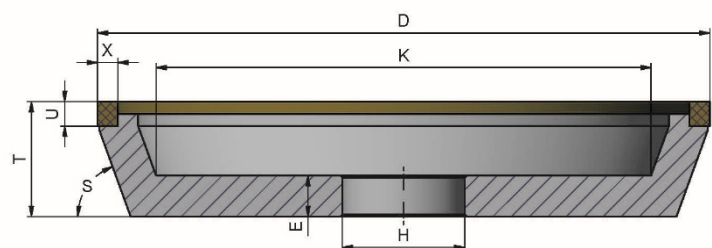
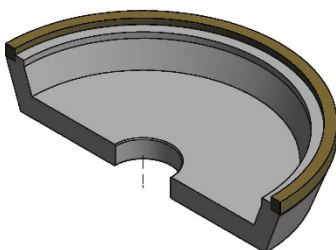
11A2H

D\_\_T\_\_H\_\_W\_\_X\_\_E\_\_K\_\_S\_\_-BC\_\_



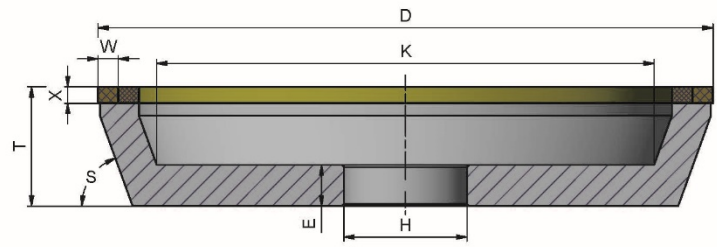
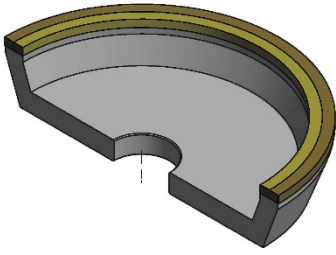
11A9

D\_\_T\_\_H\_\_U\_\_X\_\_E\_\_K\_\_S\_\_



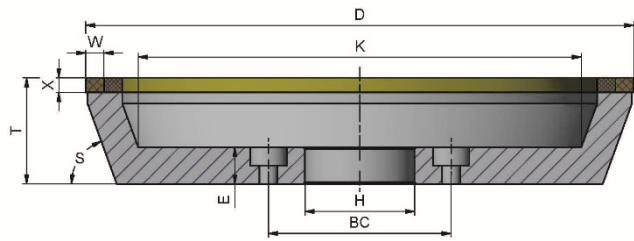
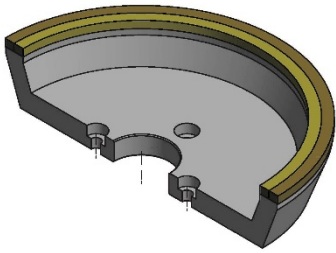
11AA2

D\_\_T\_\_H\_\_W\_\_/\_X\_\_E\_\_K\_\_S\_\_



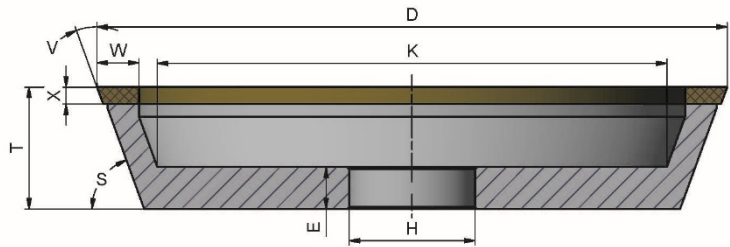
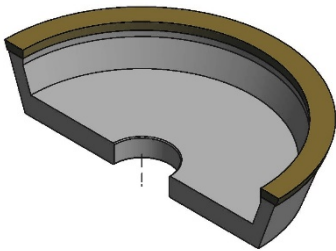
11AA2B

D\_\_T\_\_H\_\_W\_\_/\_X\_\_E\_\_K\_\_S\_\_-BC



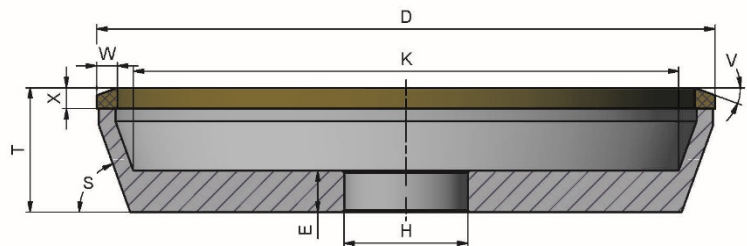
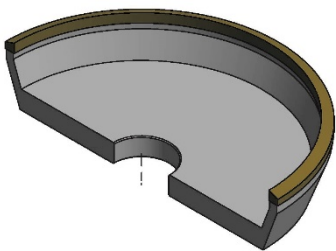
11B2

D\_\_T\_\_H\_\_W\_\_-X\_\_V\_\_E\_\_K\_\_S\_\_



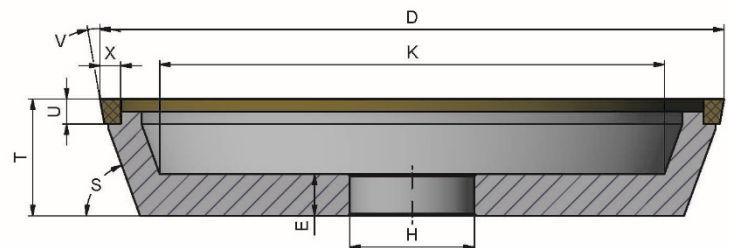
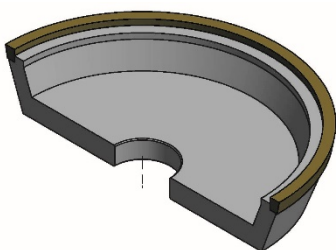
11B2R

D\_\_T\_\_H\_\_W\_\_-X\_\_V\_\_E\_\_K\_\_S\_\_



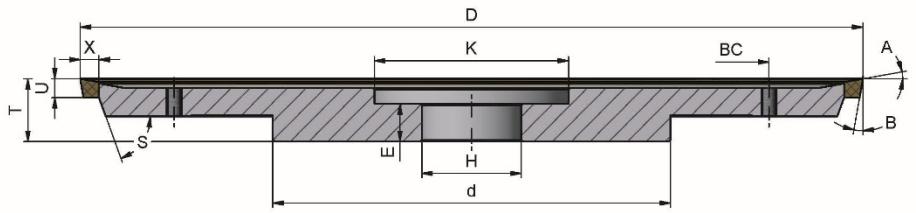
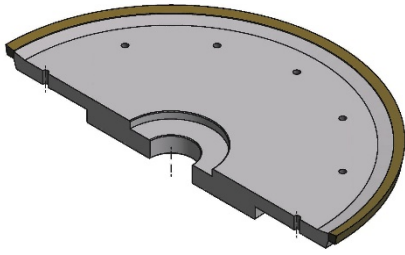
11B9

D\_\_T\_\_H\_\_U\_\_-X\_\_V\_\_E\_\_K\_\_S\_\_



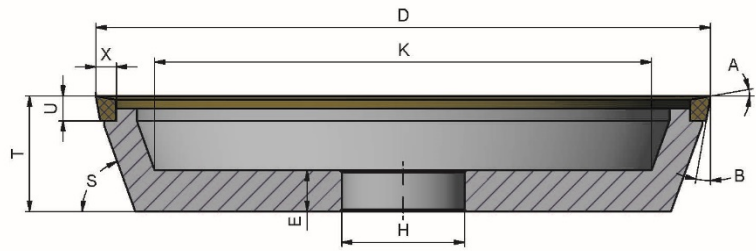
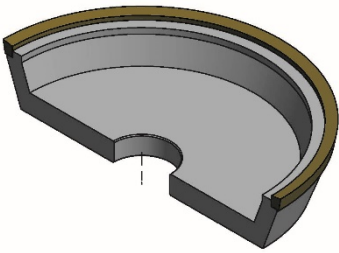
# 11BT1T

D\_\_T\_\_H\_\_U\_\_X\_\_E\_\_K\_\_A\_\_B\_\_S\_\_BC\_\_d\_\_



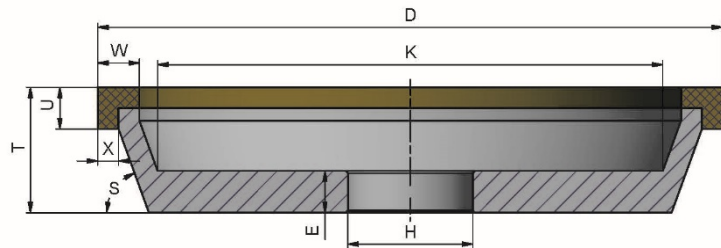
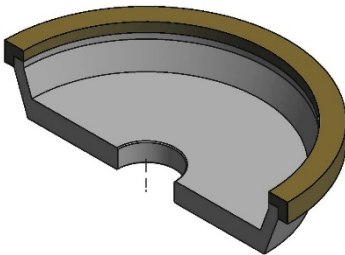
# 11BT9

D\_\_T\_\_H\_\_U\_\_X\_\_E\_\_K\_\_A\_\_B\_\_S\_\_



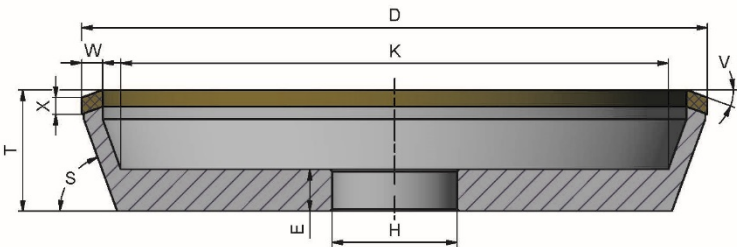
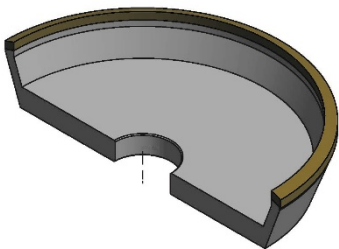
# 11C9

D\_\_T\_\_H\_\_U\_\_W\_\_X\_\_E\_\_K\_\_S\_\_



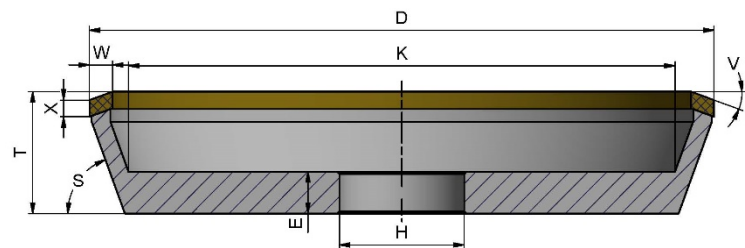
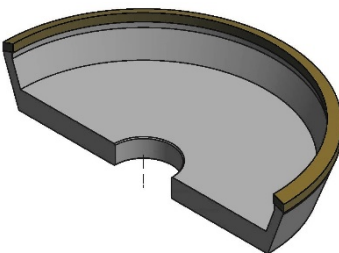
# 11V5

D\_\_T\_\_H\_\_W\_\_X\_\_V\_\_E\_\_K\_\_S\_\_



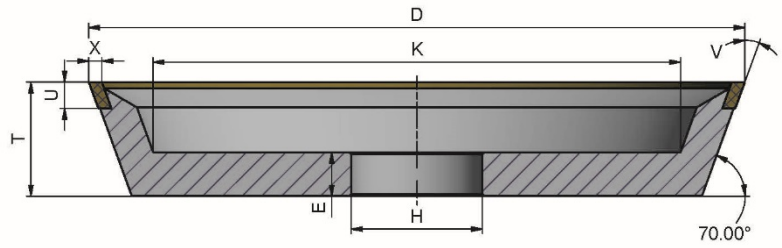
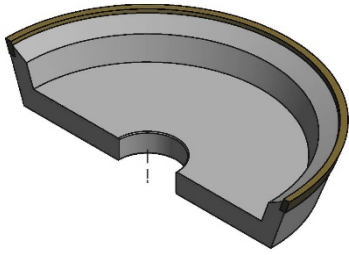
# 11V5R

D\_\_T\_\_H\_\_W\_\_X\_\_V\_\_E\_\_K\_\_S\_\_



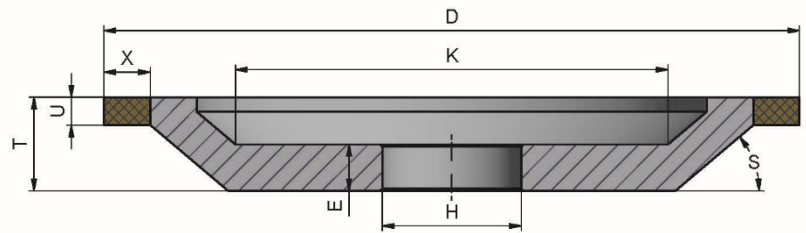
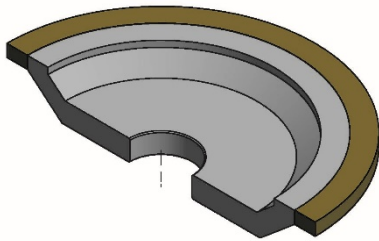
11V9

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_E\_\_K\_\_



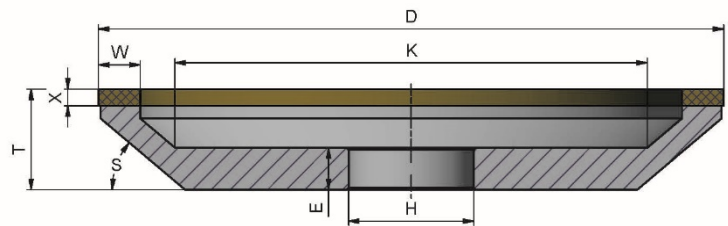
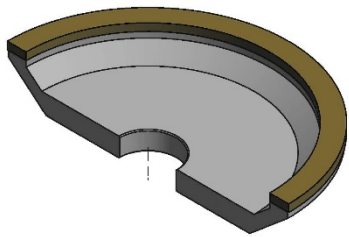
12A1

D\_\_T\_\_H\_\_U\_\_X\_\_E\_\_K\_\_S\_\_



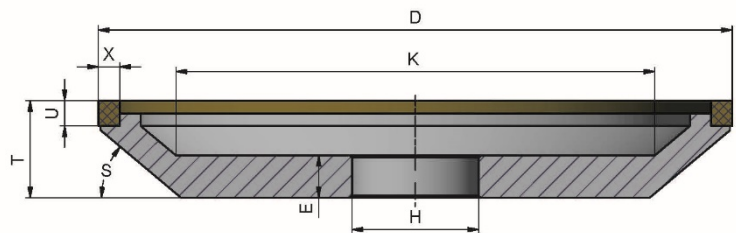
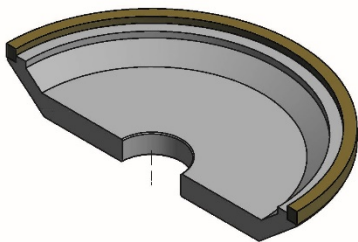
12A2

D\_\_T\_\_H\_\_W\_\_X\_\_E\_\_K\_\_S\_\_



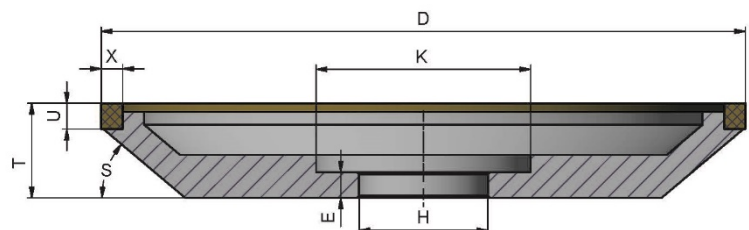
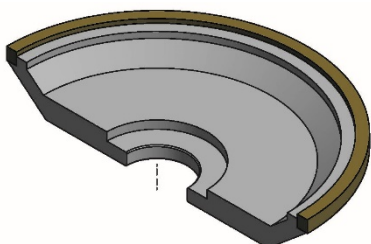
12A9 (shape N°1)

D\_\_T\_\_H\_\_U\_\_X\_\_E\_\_K\_\_S\_\_



12A9 (shape N°2)

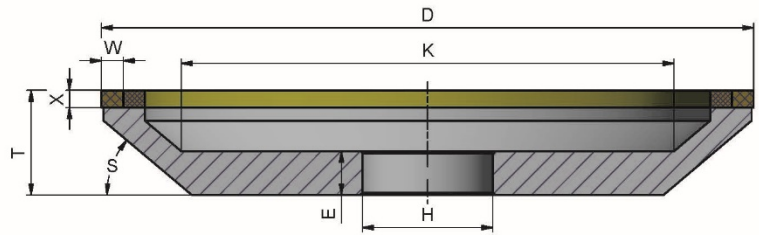
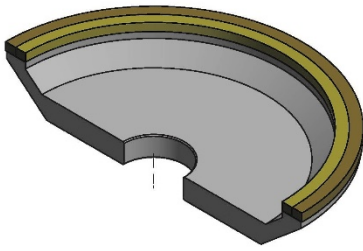
D\_\_T\_\_H\_\_U\_\_X\_\_E\_\_K\_\_S\_\_ / N°2





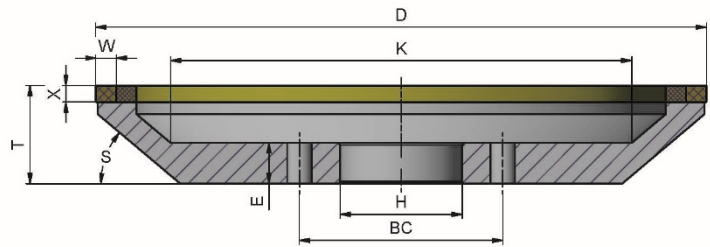
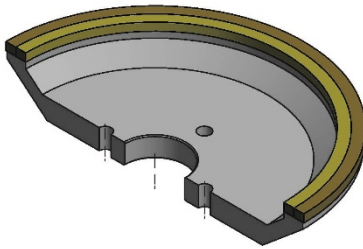
12AA2

D\_\_T\_\_H\_\_W\_\_/\_X\_\_E\_\_K\_\_S\_\_



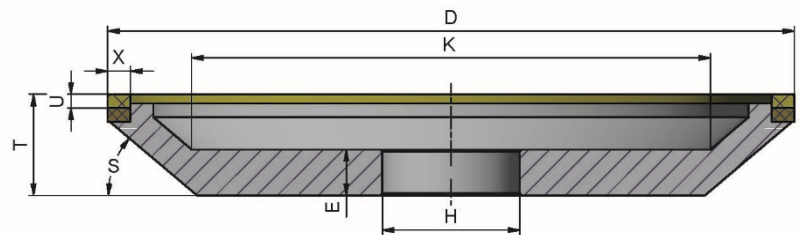
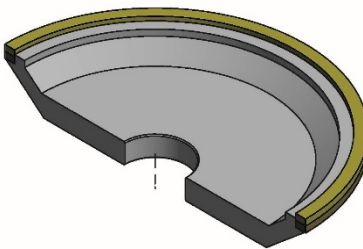
12AA2H

D\_\_T\_\_H\_\_W\_\_/\_X\_\_E\_\_K\_\_S\_\_-BC



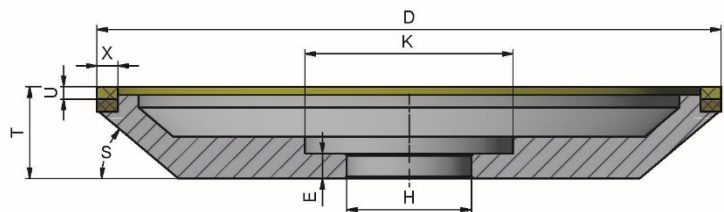
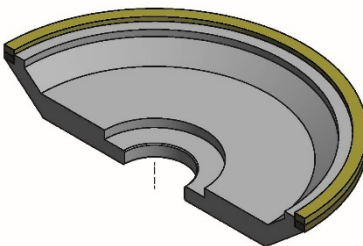
12AA9 (shape N°1)

D\_\_T\_\_H\_\_U\_\_/\_X\_\_E\_\_K\_\_S\_\_



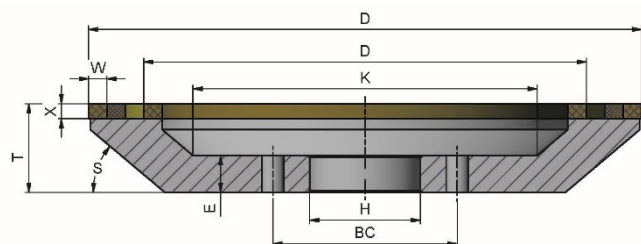
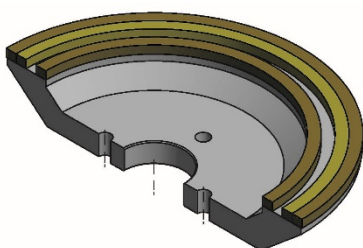
12AA9 (shape N°2)

D\_\_T\_\_H\_\_U\_\_/\_X\_\_E\_\_K\_\_S\_\_ / N°2



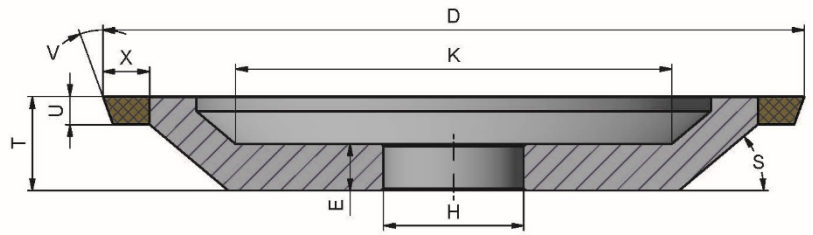
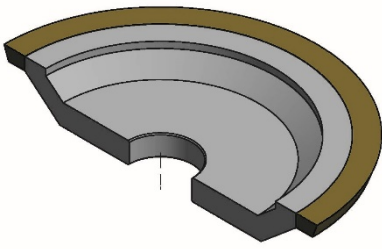
12AAA7H

D\_\_/\_T\_\_H\_\_W\_\_/\_/\_X\_\_E\_\_K\_\_S\_\_-BC



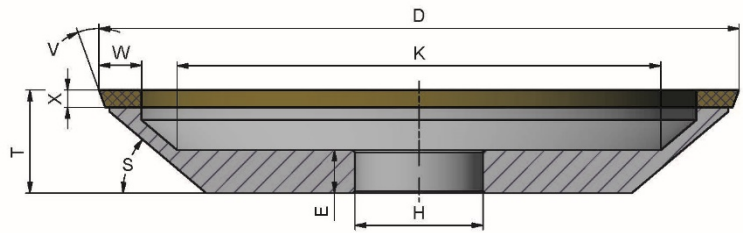
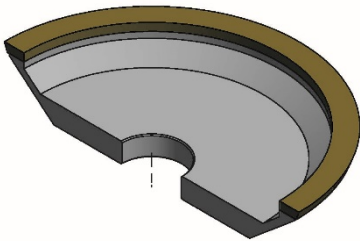
12B1

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_E\_\_K\_\_S\_\_



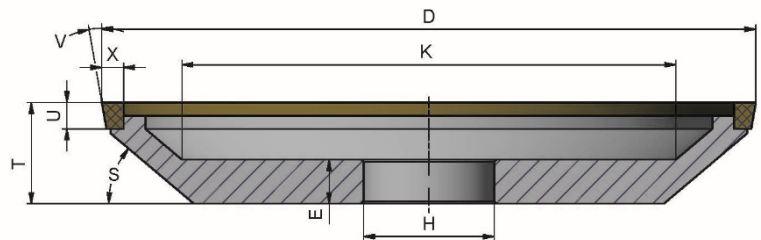
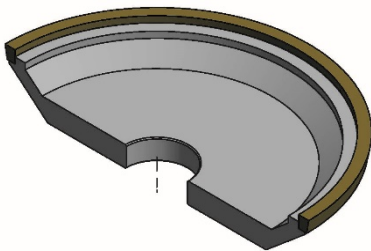
12B2

D\_\_T\_\_H\_\_W\_\_X\_\_V\_\_E\_\_K\_\_S\_\_



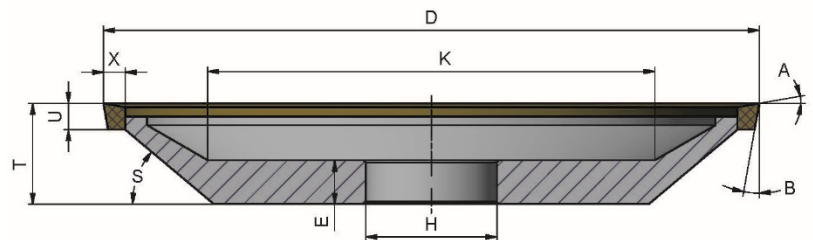
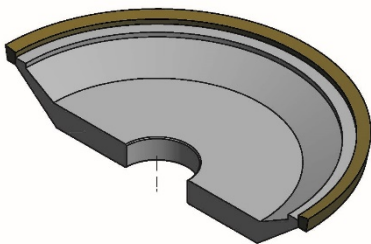
12B9

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_E\_\_K\_\_S\_\_



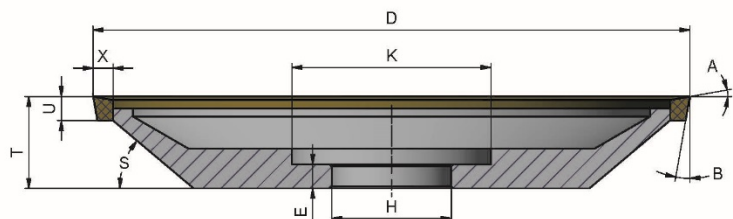
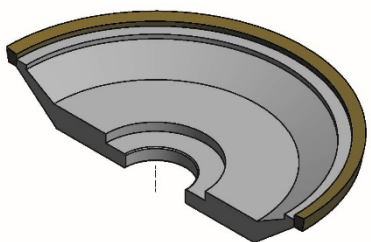
12BT1 (shape N°1)

D\_\_T\_\_H\_\_U\_\_X\_\_A\_\_B\_\_E\_\_K\_\_S\_\_



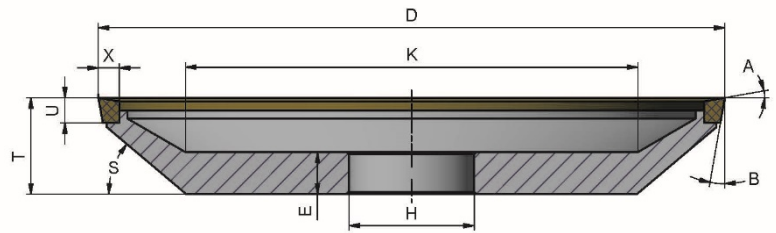
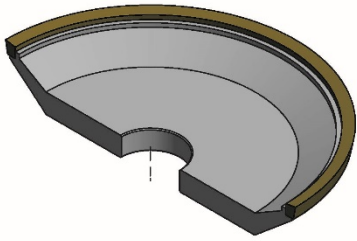
12BT1 (shape N°2)

D\_\_T\_\_H\_\_U\_\_X\_\_A\_\_B\_\_E\_\_K\_\_S\_\_ / N°2



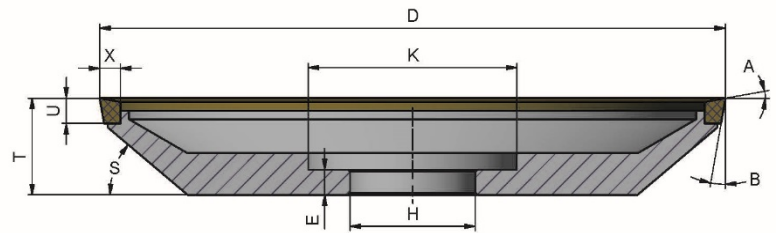
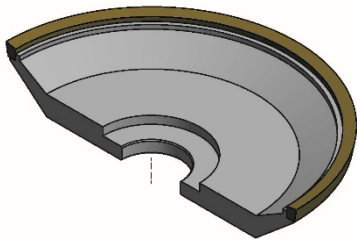
## 12BT9 (shape N°1)

D\_\_T\_\_H\_\_U\_\_X\_\_A\_\_B\_\_E\_\_K\_\_S\_\_



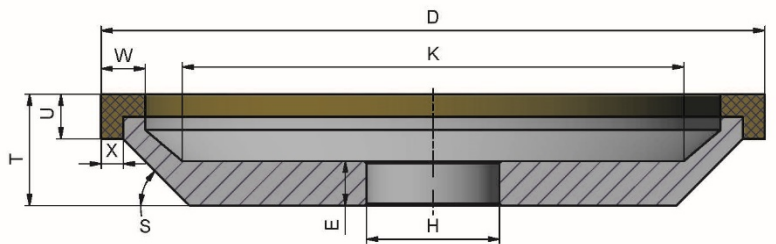
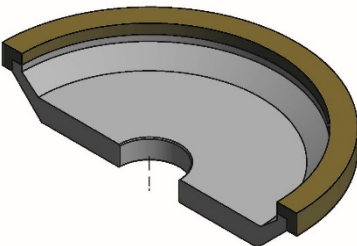
## 12BT9 (shape N°2)

D\_\_T\_\_H\_\_U\_\_X\_\_A\_\_B\_\_E\_\_K\_\_S\_\_ / N°2



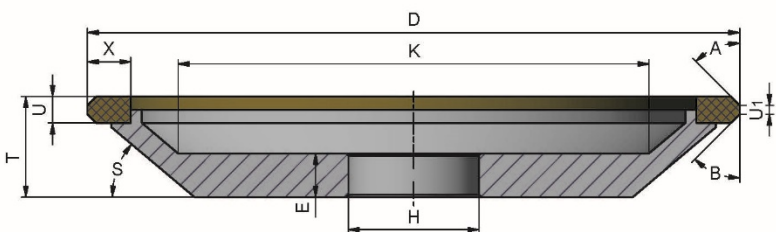
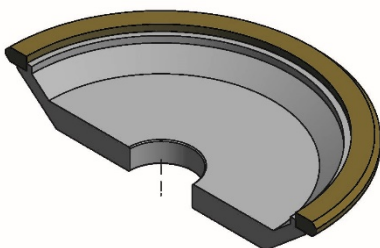
## 12C9

D\_\_T\_\_H\_\_U\_\_W\_\_X\_\_E\_\_K\_\_S\_\_



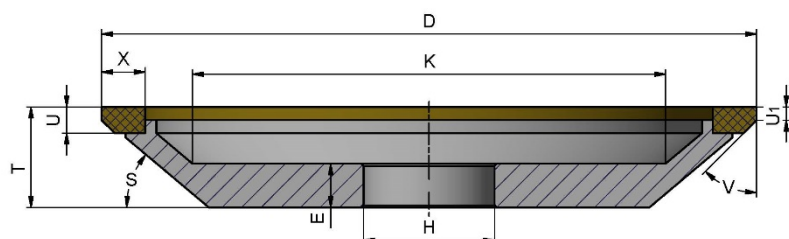
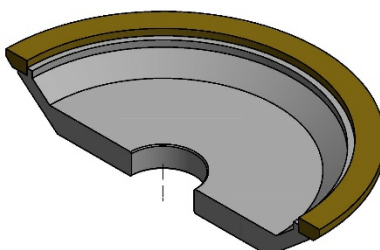
## 12D9

D\_\_T\_\_H\_\_U\_\_X\_\_A\_\_B\_\_U1\_\_E\_\_K\_\_S\_\_



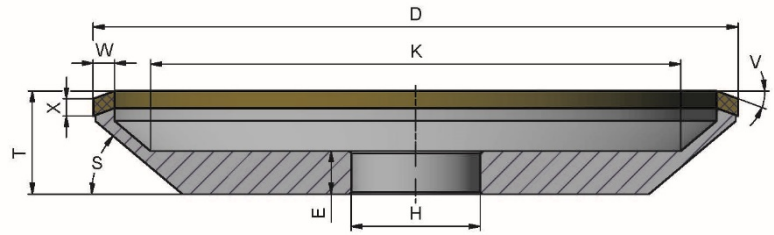
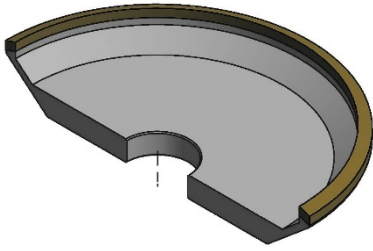
## 12M9

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_U1\_\_E\_\_K\_\_S\_\_



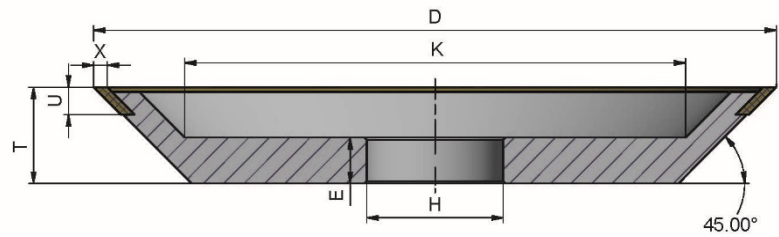
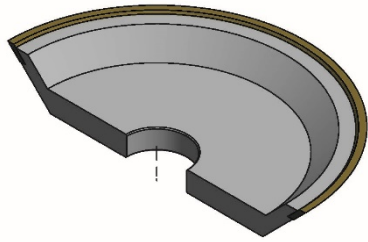
12V5

D\_\_T\_\_H\_\_W\_\_X\_\_V\_\_E\_\_K\_\_S\_\_



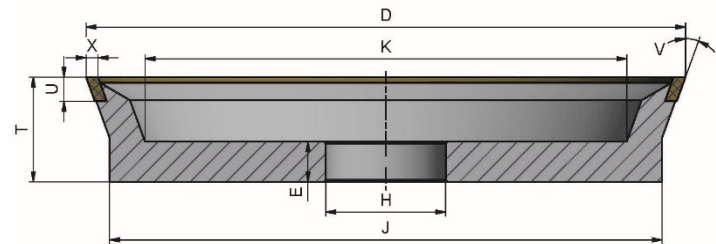
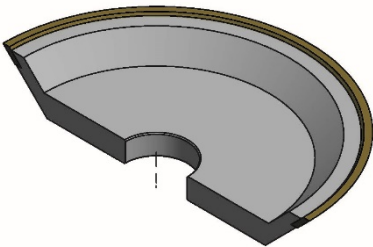
12V9

D\_\_T\_\_H\_\_U\_\_X\_\_E\_\_K\_\_



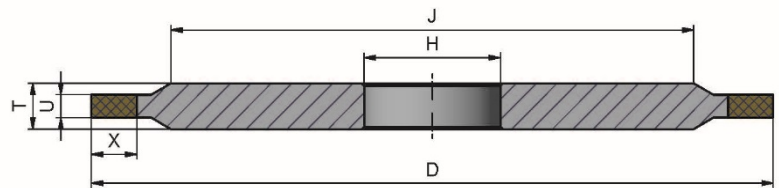
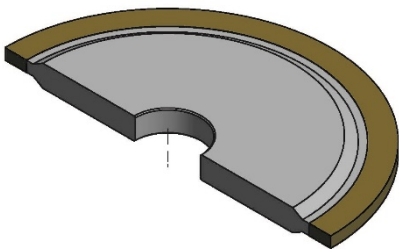
13V9

D\_\_T\_\_H\_\_U\_\_X\_\_V\_\_E\_\_K\_\_J\_\_



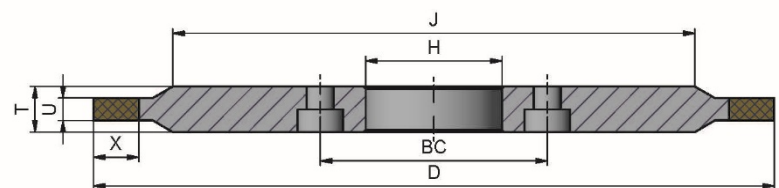
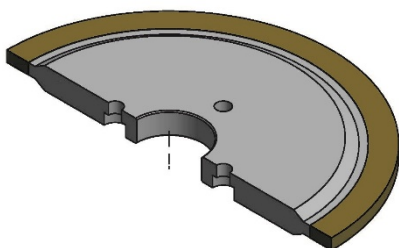
14A1

D\_\_T\_\_H\_\_U\_\_X\_\_J\_\_



14A1B

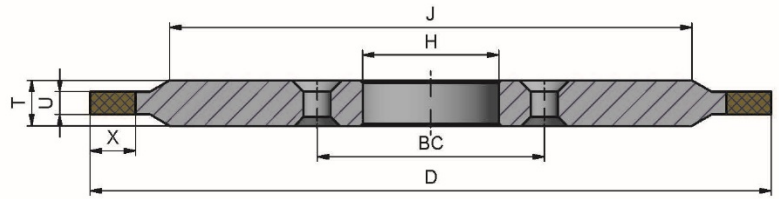
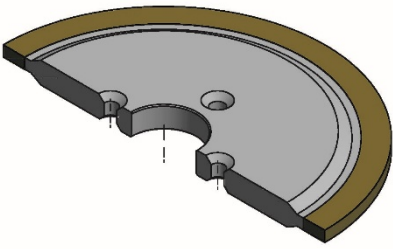
D\_\_T\_\_H\_\_U\_\_X\_\_J\_\_BC\_\_





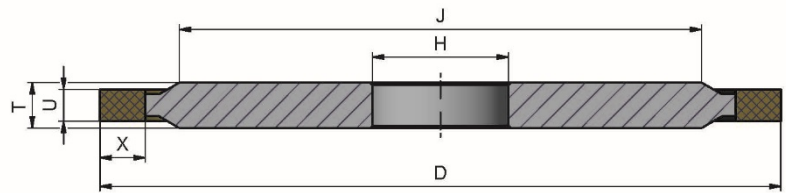
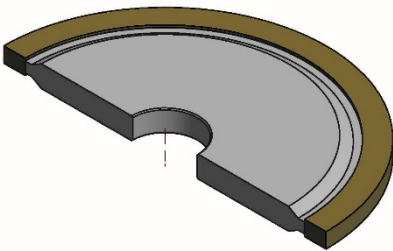
14A1CC

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-J\_\_-BC\_\_



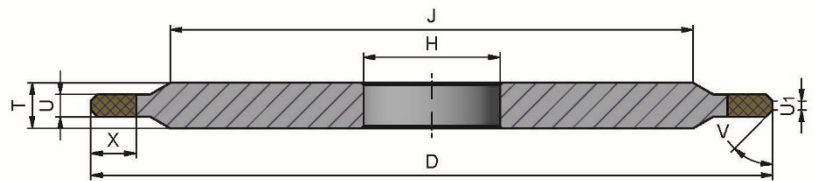
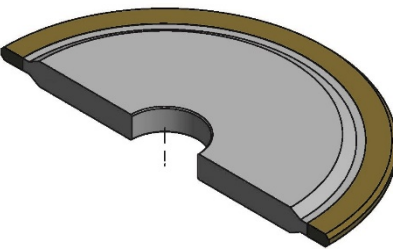
14A1R

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-J\_\_



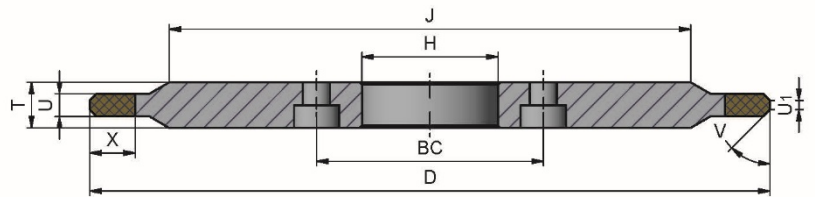
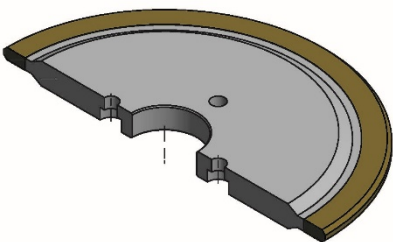
14D1

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_-J\_\_



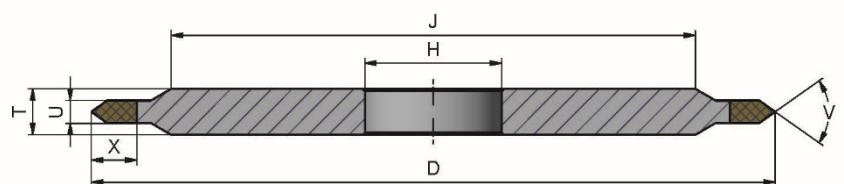
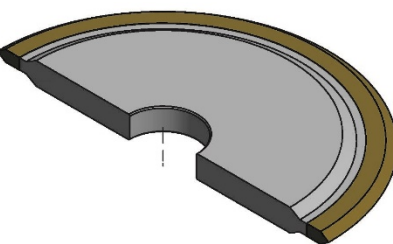
14D1B

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-U1\_\_-J\_\_-BC\_\_



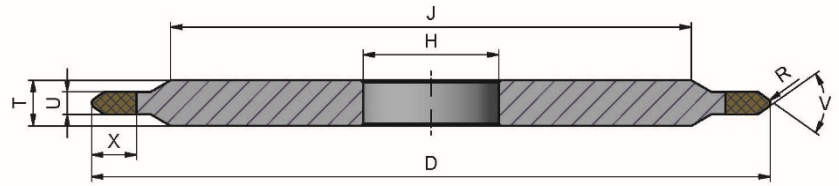
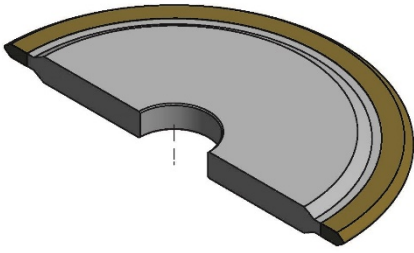
14E1

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-J\_\_



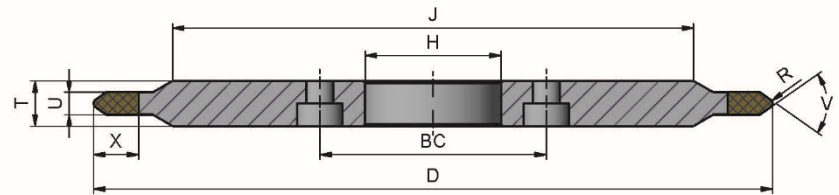
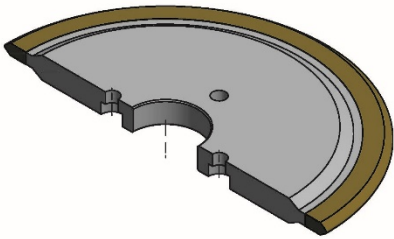
## 14EF1

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-R\_\_-J\_\_



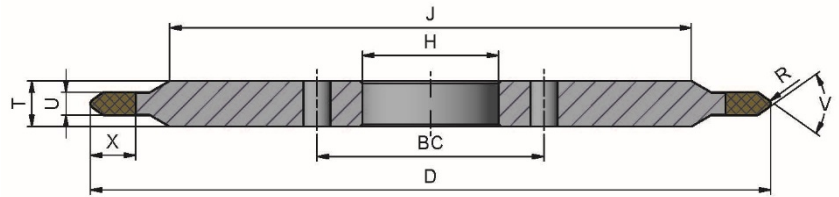
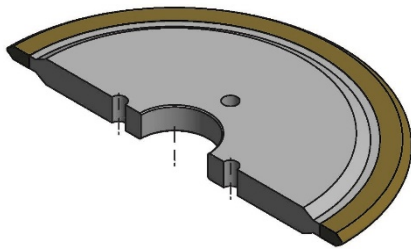
## 14EF1B

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-R\_\_-J\_\_-BC\_\_



## 14EF1H

D\_\_-T\_\_-H\_\_-U\_\_-X\_\_-V\_\_-R\_\_-J\_\_-BC\_\_



## STICK

ARTICLE

A x B x C

A11260 ASA-N°1 → Grite size 46 to 301 13x24x100mm

A11261 ASA-N°2 → Grite size 1 to 40 13x24x100mm

A12848 ASA-N°3 → Grite size 46 to 301 25.4x25.4x152.4mm

A13045 ASA-N°5 → Grite size 1 to 40 25.4x25.4x152.4mm

