

# Ceramic Thread Guides RAPAL®

## Catalogue



## **Keramische Fadenführer von Rauschert**

*Mit über 100 Jahren Erfahrung in der Herstellung von Keramik im Zentrum der europäischen Textilindustrie, ist Rauschert als Keramikhersteller hervorragend geeignet, Qualität und Wissen über Anwendungen an die Textilindustrie weltweit anzubieten.*

*Mit einem ausgewählten Team von Ingenieuren, Technikern und Experten für textile Anwendungen ist Rauschert ein führender Hersteller von Fadenführern und ist vorbereitet, die Textilindustrie bei der Entwicklung innovativer Produkte für das 21. Jahrhundert zu unterstützen.*

*Lassen Sie Rauschert dabei helfen Ihre textilen Prozesse zu verbessern.*

*Rauschert bietet eine große Reihe von Keramikmaterialien mit jeweiligen Eigenschaften an, die gut geeignet sind verschiedene Probleme im textilen Bereich zu lösen.*

### Liste der Materialien und deren Eigenschaften

<b>Physikalische Eigenschaften</b>	<b>Einheit</b>	<b>Rapal®</b>	<b>Rapal® 100</b>	<b>Rapal® 200</b>	<b>Rapal® 200AZ</b>	<b>Titania</b>	<b>Zirconia Y</b>	<b>Zirconia M</b>
Aluminiumoxidgehalt	Gewicht %	98,0	99,7	99,7	85	-	-	-
Zirkonoxidgehalt	Gewicht %	-	-	-	15	-	95	96
Titanoxidgehalt	Gewicht %	-	-	-	-	92	-	-
Dichte	g/cm <sup>3</sup>	3,70	≥3,85	>3,9	4,1	4,05	>5,85	≥5,65
Farbe		weiß/rot	weiß/rot	elfenbein/pink	weiß	creme	weiß	gelb
Porosität	%	0	0	0	0	0	0	0
Wärmeleitfähigkeit	W / m · K	20	25	25	23	2,5	2,5	2,0
Vickershärte	HV 10	1500	1800-2000	1800-2000	1600	1100	1200-1400	1100

### Reibung

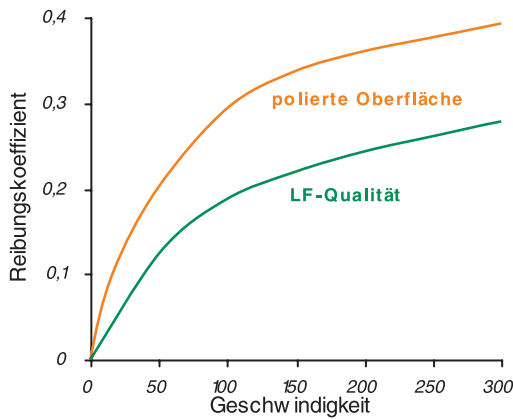
*In jedem textilen Prozess ist es normalerweise wünschenswert, die Fadenspannung zu minimieren. Um dies zu erreichen muss die Reibung zwischen dem bewegten Garn und der keramischen Kontaktoberfläche kontrolliert werden. Die Reibungskraft ist vor allem aus zwei Komponenten zusammengesetzt:*

- die abrasive Kraft
- die Adhäsionskraft

*Für ein bestimmtes Garn (z. B. verdreht oder flach) muss somit die Oberfläche so beschaffen sein, dass beide Komponenten minimiert werden. Dies kann durch eine Optimierung der Kontaktfläche und durch Minimierung der Oberflächenunebenheiten erreicht werden.*

*Fehler hierbei führen entweder zu starkem ‚Schnee‘ oder zu gebrochenen Garnfilamenten/Schlingen und zu hohen Fadenspannungen. Rauschert hat eine Reihe von hochqualitativen Keramikmaterialien und verschiedene Fertigungsprozesse entwickelt, um dies zu vermeiden. Darüber hinaus ist Rauschert in der Lage, mit der Hilfe eines Reibwertmessgerätes bei der Verbesserung der textilen Prozesse Unterstützung zu leisten.*

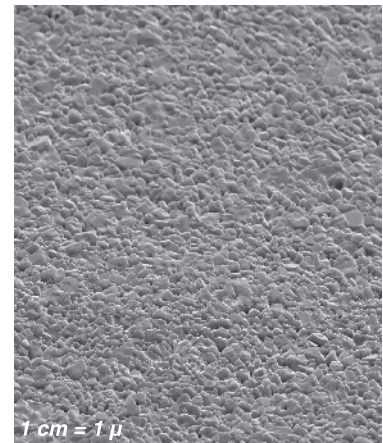




Frictionsdiagramm



polierte Oberfläche



LF-Qualität

## Typische Anwendungen von Rauschert-Fadenführern

### Schmelzspinnen

Rauschert bietet eine umfassende Auswahl von Fadenölen an, die für eine Reihe von unterschiedlichen Garnen und Spinnengeschwindigkeiten von LOY und POY bis zu HOY und FDY geeignet sind. Die Oberfläche Rapal 200 NE bietet die niedrigst mögliche Reibung für Hochgeschwindigkeits-Anwendungen.

Ergänzend hierzu gibt es eine große Reihe von Changierfadenführern und anderen Fadenführern für verschiedene Arten von Maschinen.

### Strecktexturieren

Rapal 200 ist ein feinkörniges sehr reines Aluminiumoxid, das besonders für die hohen Anforderungen des ‚Hochgeschwindigkeits-Strecktexturieren‘ geeignet ist. Bei jeder Stufe des DTY-Prozesses muss sowohl die Oberflächenqualität als auch die Oberflächenrauheit der Fadenführer genau kontrolliert werden, um ein fehlerfreies Endprodukt zu erreichen.

Rauschert bietet bekannte Formen von Einlassführungen für Heizer, Aufwickelfadenführer und Drallstopper in einer Reihe von Materialien und Oberflächenbeschaffenheiten einschließlich diamantpoliert, LF-Qualität (N, NE, PN) und natürlicher Oberflächen. Alle Qualitäten wurden für die schnell laufenden und wechselnden Garnfigurationen entwickelt.

### OE-Spinnen

Rauschert bietet eine große Reihe von hochglanzpolierten Keramikabzugsdüsen mit oder ohne Metallhalterungen an.

### Andere textile Prozesse

Rauschert liefert ein breites Standardsortiment an Fadenführern für die Strickerei oder Weberei.

### Toleranzen

Toleranzen für normale Produktion sind  $\pm 2\%$  für Maße über 10 mm und  $\pm 0,2$  mm für Maße unter 10 mm.

Wenn jedoch engere Toleranzen benötigt werden, kann dies durch Präzisionsschleifmaschinen erreicht werden.

## Rauschert Ceramic Threadguides

### Introduction

With over 100 years experience of ceramic manufacturing in the heart of the European textile machinery industry, Rauschert is uniquely placed in offering ceramic materials, quality and applications knowledge to the textile industry worldwide. With its dedicated team of engineers, technologists and textile application experts, Rauschert is the leading German manufacturer of yarn guides and is committed and prepared to serve the needs of the textile industry into the 21<sup>st</sup> Century. Let Rauschert help you improve your textile process.

Rauschert offers a wide range of ceramic materials, with a corresponding range of properties ideally suited to solving different textile problems.

### Materials List and Properties

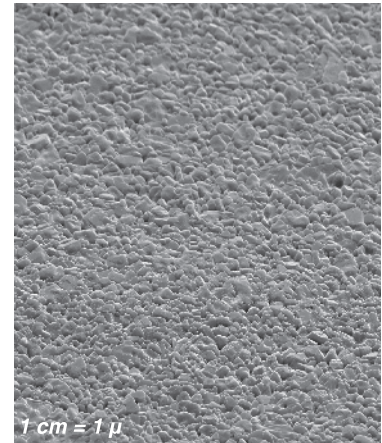
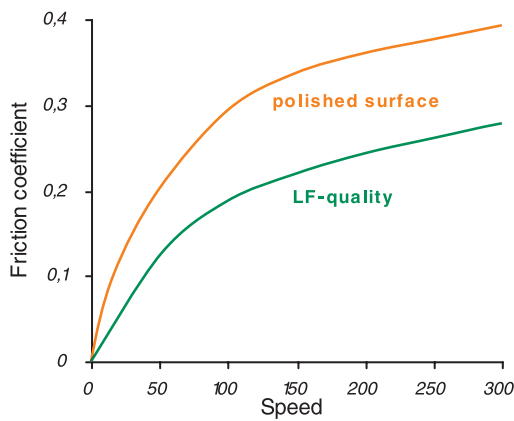
<b>Physical Characteristics</b>	<b>Unit</b>	<b>Rapal®</b>	<b>Rapal® 100</b>	<b>Rapal® 200</b>	<b>Rapal® 200AZ</b>	<b>Titania</b>	<b>Zirconia Y</b>	<b>Zirconia M</b>
Content of aluminium oxide	weight %	98,0	99,7	99,7	85	-	-	-
Content of zirconium oxide	weight %	-	-	-	15	-	95	96
Content of titanium oxide	weight %	-	-	-	-	92	-	-
Density	g/cm <sup>3</sup>	3,70	≥3,85	>3,9	4,1	4,05	>5,85	≥5,65
Colour		white/red	white/red	ivory/pink	white	creme	white	yellow
Porosity	%	0	0	0	0	0	0	0
Thermal Conductivity	W / m · K	20	25	25	23	2,5	2,5	2,0
Hardness acc. to Vickers	HV 10	1500	1800-2000	1800-2000	1600	1100	1200-1400	1100

### Friction

In any textile process it is usually desirable to minimise yarn tensions and in order to achieve this, the friction between the moving yarn and the ceramic contact surface must be controlled. The frictional force is comprised primarily of two components:

- the ploughing (abrasive) force
- the adhesive force

It follows therefore that for a particular yarn (e.g. twisted or flat) the ceramic surface should be engineered to reduce both of these components, by optimising the actual contact area and minimising ceramic surface defects. Failure will result in either excessive 'snow', or broken filaments/loops and high yarn tensions. Rauschert has developed a range of high quality ceramic materials and special surface finishing processes in order to avoid this and furthermore, are then able to assist customers optimise their textile process with the help of a high speed Friction Meter.



Friction diagram

polished surface

LF-quality

### **Typical Applications for Rauschert Threadguides**

#### Melt Spinning

Rauschert offers a comprehensive selection of spin finish applicators, suitable for a range of deniers and spinning speeds for LOY and POY to HOY and FDY.

The Rapal 200 'NE-Quality' surface is recommended as giving the lowest possible friction for high-speed applications.

Complementary to this is a full range of traverse guides and other associated guides suitable for many makes of machine.

#### Drawtexturing

Rapal 200 is a fine grain high purity alumina especially suited to the rigorous demands of high-speed drawtexturing. Each stage of the DTY process requires precise attention to both the surface quality and roughness of the threadguides in order to ensure a defect free end product.

Rauschert offers popular shapes of heater entry guides, take-up guides, and twiststops in a range of materials and surface finishes including diamond polished, 'LF-Quality' (N, NE, PN) and natural, all engineered to cope gently with the fast moving and changing yarn configuration.

#### Open-End Spinning

Rauschert offers a big range of highly polished ceramic navels with or without metal holding device.

#### Other textile processes

Including twisting, knitting, weaving and creels.

#### Dimensional Tolerances

Dimensional tolerances for normal manufacture are  $\pm 2\%$  for dimensions over 10 mm and  $\pm 0.2$  mm for dimensions under 10 mm.

However should closer tolerances be necessary, then this can be arranged using precision grinding equipment.



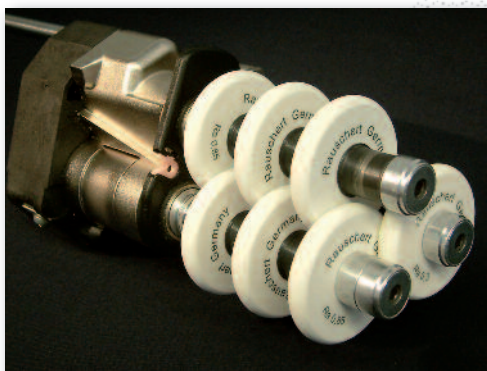
# Ceramic Friction Discs

for the texturing process

- **Working Discs**
- **Guide Discs**

## Ceramic manufacturing from raw-material to finished product

- Rauschert now manufactures ceramic friction discs for all PES-, PA- und PP-Texturing Processes.
- The friction discs can be used in all common makes of Friction Units.



### Product Characteristics

- high deformation resistance
- stable roughness values
- good shock resistance
- high regularity
- long life-time

### Process Characteristics

- high yarn speed
- yarn gentle
- low snow
- low yarn tension forces T1 / T2
- Titer range up to dtex 330

### Textile Technology

- high yarn strength
- very good elongation values
- excellent crimp contraction
- high crimp stability
- consistent yarn quality

#### Send us your enquiries!

Rauschert  
Heinersdorf-Pressig GmbH  
Postfach 1162  
D-96329 Pressig

Phone +49 9265-78-0  
Fax +49 9265-78-10899  
eMail [info@prg.rauschert.de](mailto:info@prg.rauschert.de)

## Working Discs

part-number		diameter	bore	thickness	radius	roughness
Rauschert	CICE	D [mm]	d [mm]	B [mm]	R [mm]	Ra [µm]
90531-1	GAL 6045 T195 0,85	52	14,45	9	5,5	0,85
90554-2	GAL 6025 T195 1,30	45	12	6	3,7	1,3
90555-3	GAL 6012 T195 0,85	49,62	12	6	3,5	0,85
90531-4	GAL 6045 T195 1,10	52	14,45	9	5,5	1,1
90554-4	GAL 6025 T195 0,85	45	12	6	3,7	0,85
90531-3	GAL 6045 T195 1,30	52	14,45	9	5,5	1,3
90606-1	GAL 6064 T195 0,85	52	12	9	5,5	0,85

## Guide Discs

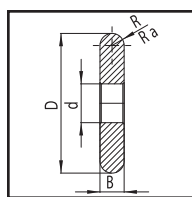
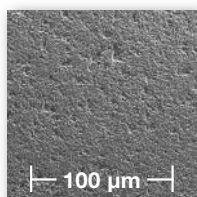
part-number		diameter	bore	thickness	radius	roughness
Rauschert	CICE	D [mm]	d [mm]	B [mm]	R [mm]	Ra [µm]
90531-2	GAL 6045 T199 0,30	52	14,45	9	5,5	0,30
90554-1	GAL 6025 T195 0,30	45	12	6	3,7	0,30
90554-3	GAL 6025 T199 0,30	45	12	6	3,7	0,30
90551-2P	GAL 6064.03 T199 0,30	52	12	9	5,5	0,30
90555-1	GAL 6012 T199 0,30	49,62	12	6	3,7	0,30
90555-2	GAL 6012 T195 0,30	49,62	12	6	3,7	0,30

Other types available on request

## Reference Data to texturing process

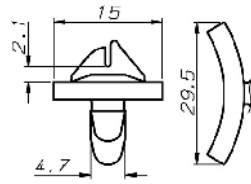
## Working Discs / Guide Discs

No.	Titer	Process Speed [m/min]	Heater Temperature [° C]	Draw ratio	D / Y	Friction Discs [ØxB]	Disc Arrangement	Yarn tension force at friction unit T1 / T2 [cN]	Tenacity [cN/dtex]	Crimp Contraction [%]	Crimp stability [%]	Elongation [%]
1	PES dtex 167 f30	800	420	1,72	2,00	52x9	1-8-1	71 / 69	4,10	42,9	91,8	22,8
2	PES dtex 167 f30	700	220	1,70	2,00	52x9	1-8-1	62 / 60	4,06	46,8	94,3	21,0
3	PES dtex 110 f36	800	360	1,60	2,00	52x9	1-8-1	44 / 42	4,17	40,6	89,0	21,0
4	PES dtex 76 f24	900	340	1,62	2,00	52x9	1-8-1	36 / 34	4,32	46,5	88,8	21,6
5	PA 6.6 dtex 78 f23	800	330	1,40	2,00	52x9	1-7-1	44 / 44	4,59	41,7	94,7	22,9
6	PA 6.6 dtex 44 f13	900	300	1,40	2,00	52x9	1-7-1	25 / 25	4,54	55,3	96,2	25,2
7	PA 6.6 dtex 22 f7	900	240	1,32	2,00	52x9	1-6-1	13 / 15	4,68	59,2	96,2	27,5
8	PA 6.6 dtex 33 f34	700	202	1,269	1,95	52x9	1-6-1	22 / 21	4,21	44,9	92,1	22,1



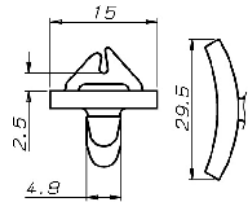
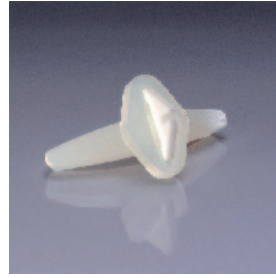
**Experience,  
capability and  
clear targets**

Rauschert is versatile  
in material, form  
and surface!



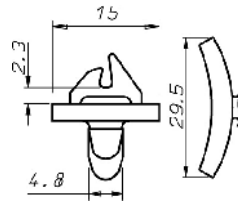
Mat: Rapal 100

Art.-No.: 3.94616/8811



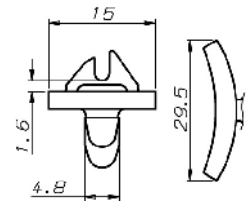
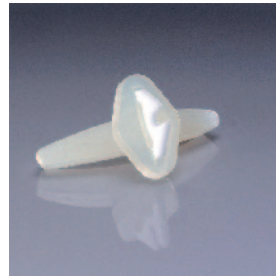
Mat: Rapal 100

Art.-No.: 3.94584/8842



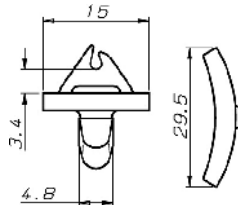
Mat: Rapal 100

Art.-No.: 3.94614/8842



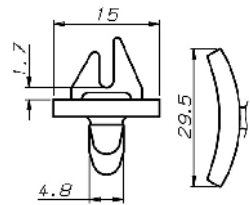
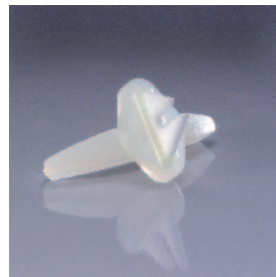
Mat: Rapal 100

Art.-No.: 3.94591/8842



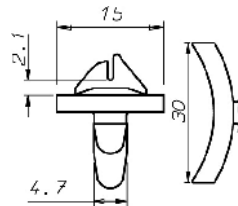
Mat: Rapal 100

Art.-No.: 3.94535/8842



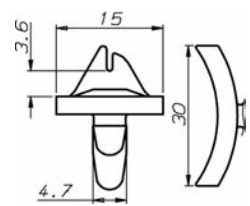
Mat: Rapal 100

Art.-No.: 3.94192/8842



Mat: Rapal 100

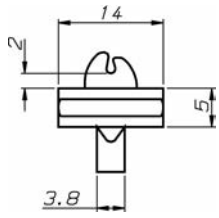
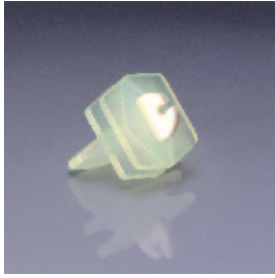
Art.-No.: 3.94616/8803



Mat: Rapal 100

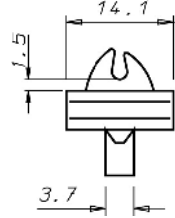
Art.-No.: 3.94501/8803





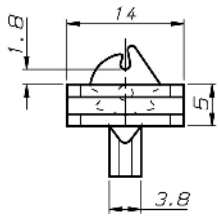
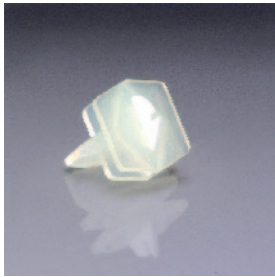
Mat: Rapal 200

Art.-No.: 3.94632/8858



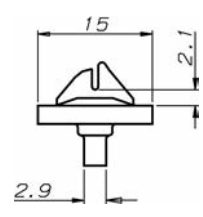
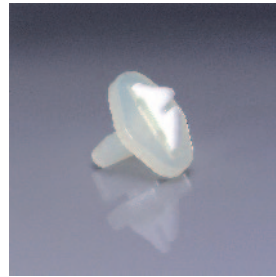
Mat: Rapal 100

Art.-No.: 3.94403/8858



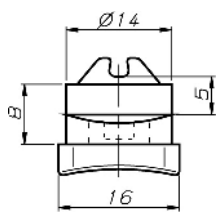
Mat: Rapal 100

Art.-No.: 3.94282/8858



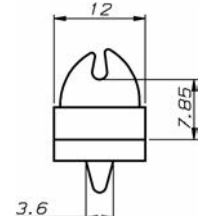
Mat: Rapal 100

Art.-No.: 3.94616/8816



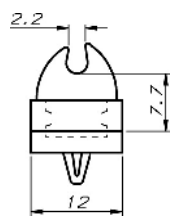
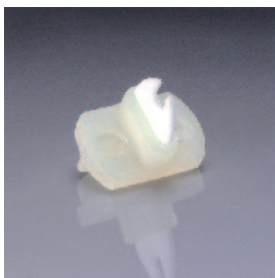
Mat: Rapal 200 PI

Art.-No.: 3.94658/8868 PI



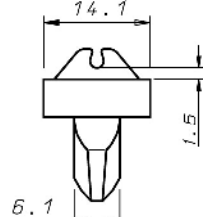
Mat: Rapal 100

Art.-No.: 3.94094/8859



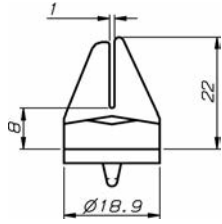
Mat: Rapal 100

Art.-No.: 3.94145/8807



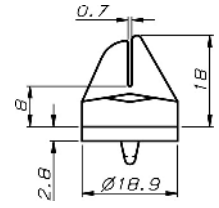
Mat: Rapal 100

Art.-No.: 3.94519/8838



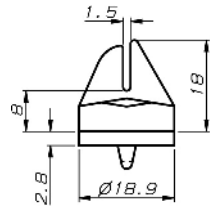
Mat: Rapal 100

Art.-No.: 3.9366/8805



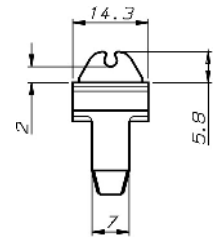
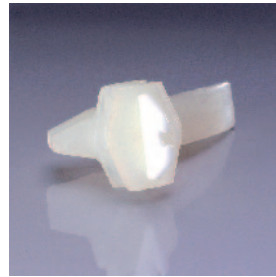
Mat: Rapal 100

Art.-No.: 3.9367/8805



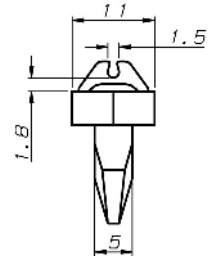
Mat: Rapal 100

Art.-No.: 3.9378/8805



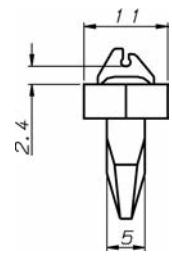
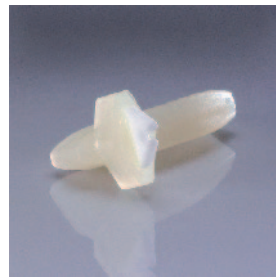
Mat: Rapal 100

Art.-No.: 3.9322/8839



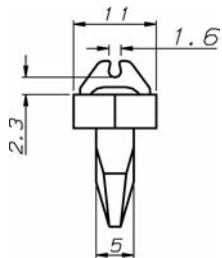
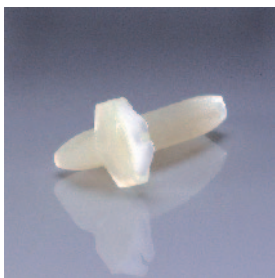
Mat: Rapal 100

Art.-No.: 3.94646/8812



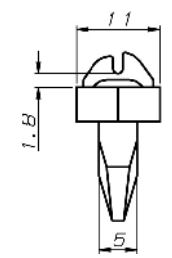
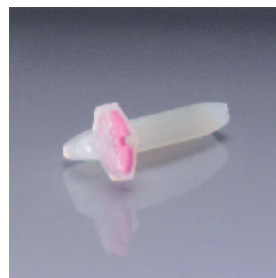
Mat: Rapal 100

Art.-No.: 3.94647/8812



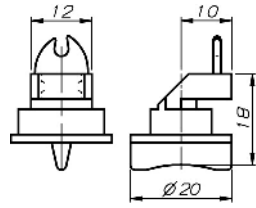
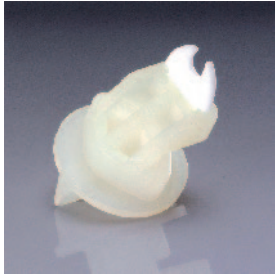
Mat: Rapal 100

Art.-No.: 3.94648/8812



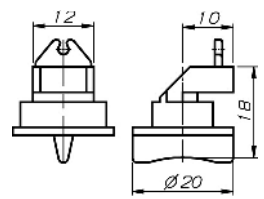
Mat: Rapal 100 R

Art.-No.: 3.94706/8812 R



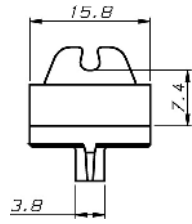
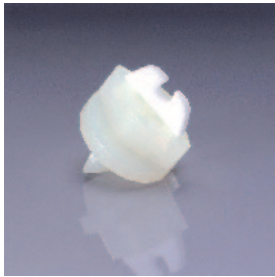
Mat: Rapal 100

Art.-No.: 3.94145/8837



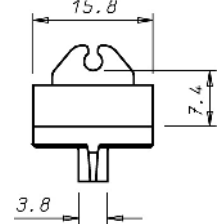
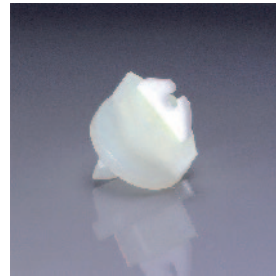
Mat: Rapal 100 R

Art.-No.: 3.94601/8830 R



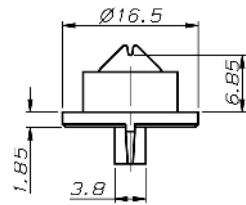
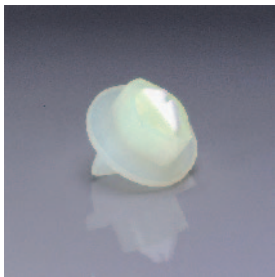
Mat: Rapal 100

Art.-No.: 3.9316/8820



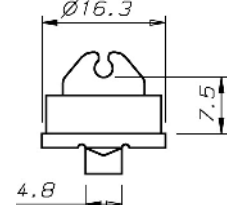
Mat: Rapal 100

Art.-No.: 3.94406/8820



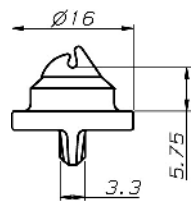
Mat: Rapal 100

Art.-No.: 3.94379/8834



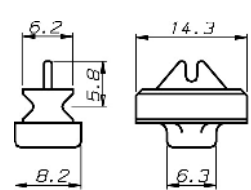
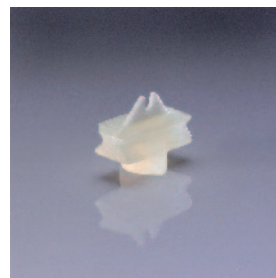
Mat: Rapal 100

Art.-No.: 3.94406/8844



Mat: Rapal 100

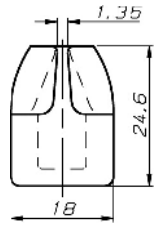
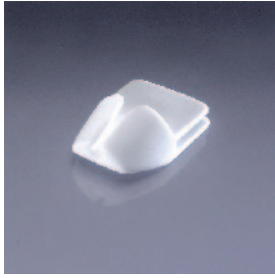
Art.-No.: 3.94282/8814



Mat: Rapal 100

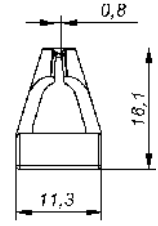
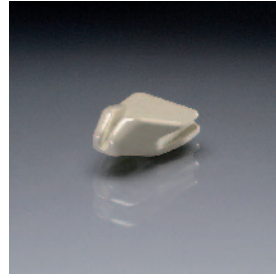
Art.-No.: 3.94228/8832





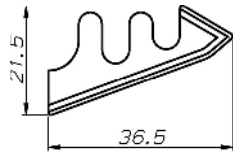
Mat: Rapal 100

Art.-No.: 3.94488



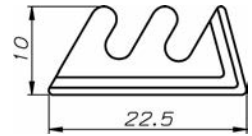
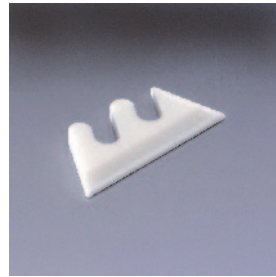
Mat: Titania

Art.-No.: 3.94795 GP



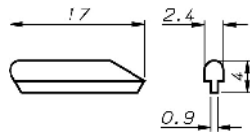
Mat: Rapal 200

Art.-No.: 3.90186



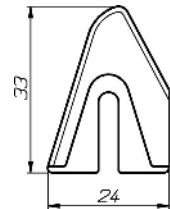
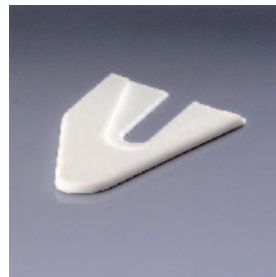
Mat: Rapal 200

Art.-No.: 3.90185



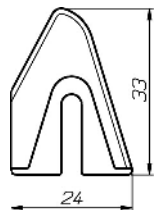
Mat: Rapal 100

Art.-No.: 3.94382



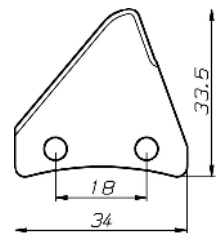
Mat: Rapal 200 AZ

Art.-No.: 3.90265 AZ



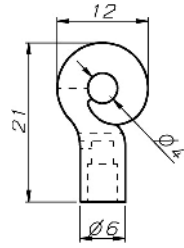
Mat: Rapal 200 AZ

Art.-No.: 3.90266 AZ



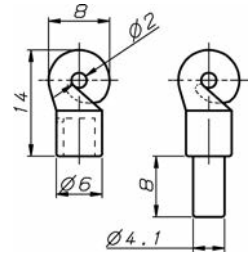
Mat: Rapal 200 AZ

Art.-No.: 3.90267 AZ



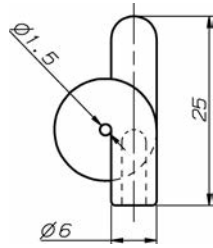
Mat: Rapal 100 R

Art.-No.: 3.94537 R



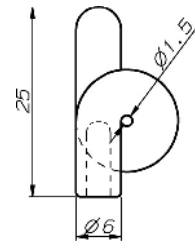
Mat: Rapal 200  
with metal holder

Art.-No.: 3.94565  
Art.-No.: 3.94565/8716



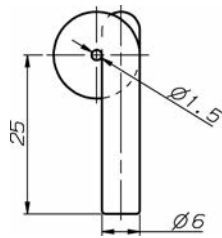
Mat: Rapal 200

Art.-No.: 3.94683



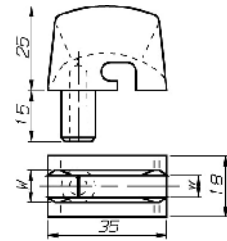
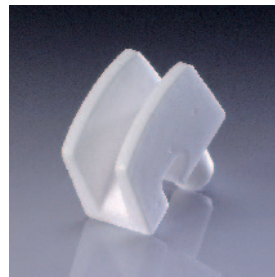
Mat: Rapal 200

Art.-No.: 3.94570



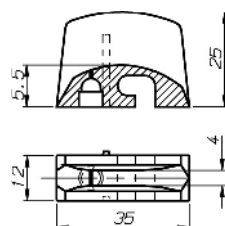
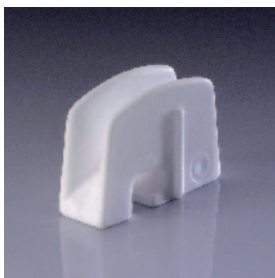
Mat: Rapal 200

Art.-No.: 3.94600



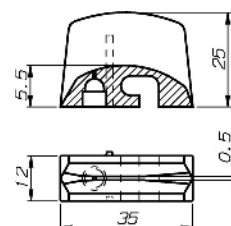
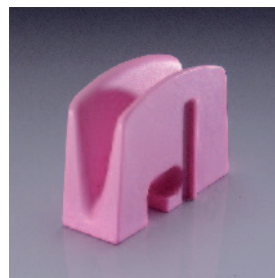
Art.-Nr.	W	w
3.94608	6,0	3,0
3.94609	7,5	4,5
3.94610	10,5	7,5
3.94611	13,0	10,0

Mat: Rapal 100



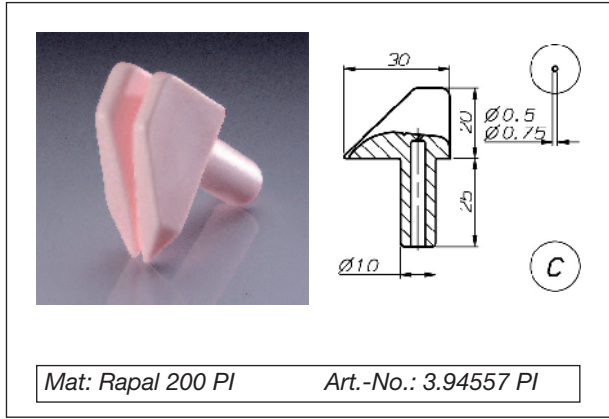
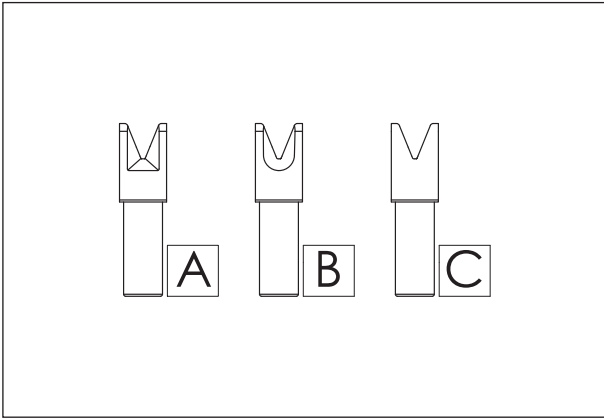
Mat: Rapal 100

Art.-No.: 3.94116

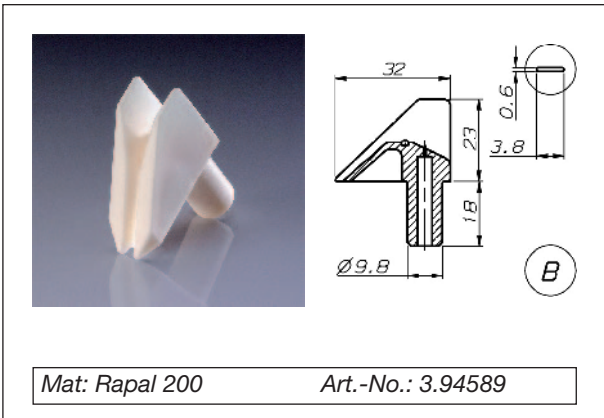


Mat: Rapal 100 R

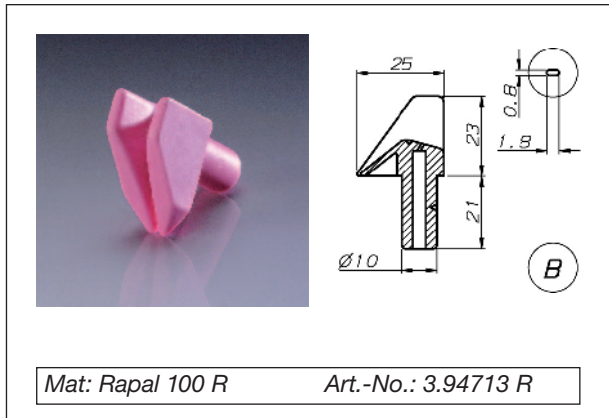
Art.-No.: 3.94126 R



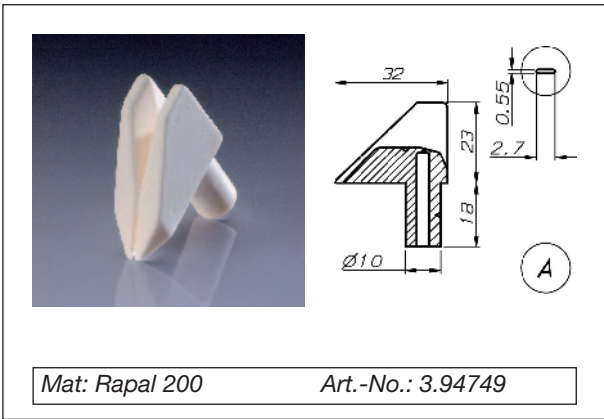
Mat: Rapal 200 PI Art.-No.: 3.94557 PI



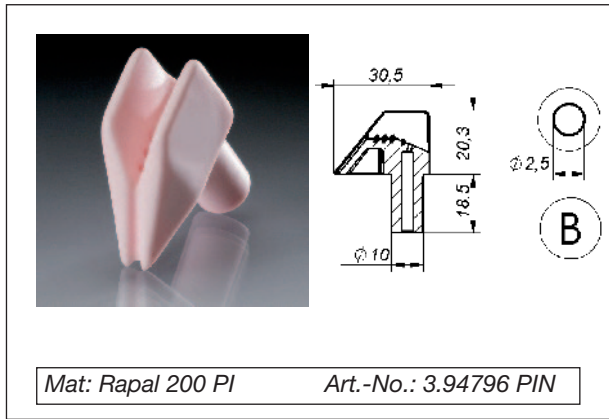
Mat: Rapal 200 Art.-No.: 3.94589



Mat: Rapal 100 R Art.-No.: 3.94713 R



Mat: Rapal 200 Art.-No.: 3.94749

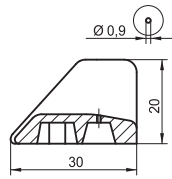
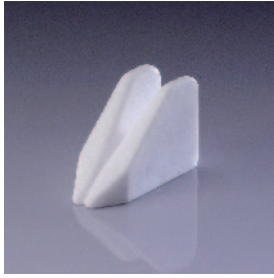


Mat: Rapal 200 PI Art.-No.: 3.94796 PIN

Lustre	3.94768 / 0,6		3.94768 / 1,0		3.94768 / 2,4	
	bright	dull	bright	dull	bright	dull
HOY	NE	NE	NE	NE		
FDY					NE	
7000						E
m/min						E
↑ speed ↓						
2000						
m/min						
POY	NE	E	NE	E	E	E
	20 den	100 den	150 den	200 den		300 den

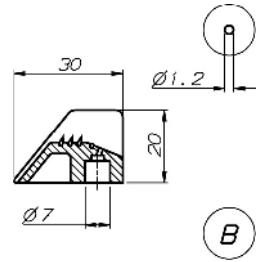
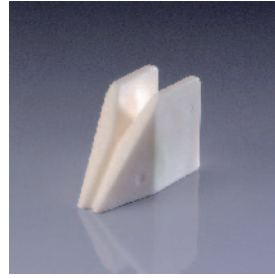
Mat: Rapal 200 PI Art.-No.: 3.94768 PI





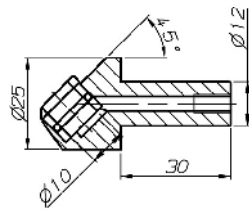
Mat: Rapal 100

Art.-No.: 3.94398

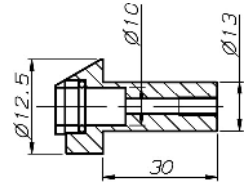


Mat: Rapal 200

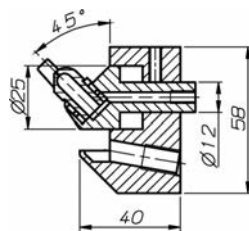
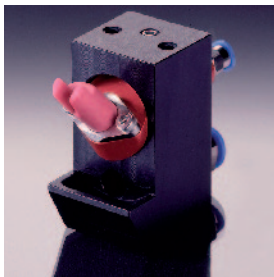
Art.-No.: 3.94726



Art.-No.: 7.8902/4

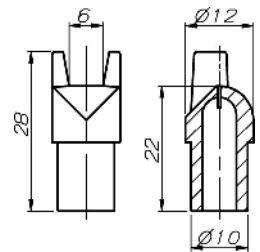


Art.-No.: 7.8902/5



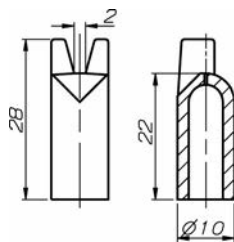
Mat: Rapal 100

Art.-No.: 7.8903/4



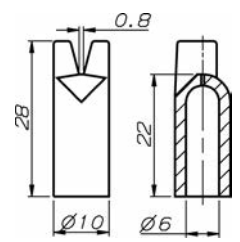
Mat: Rapal 100 R

Art.-No.: 3.94453 R



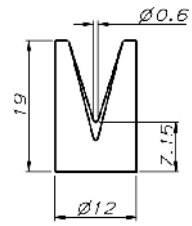
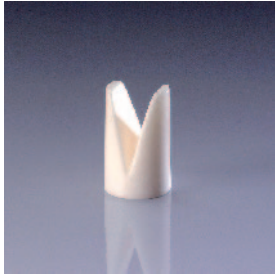
Mat: Rapal 100 R

Art.-No.: 3.94454 R



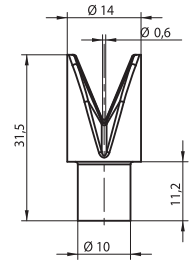
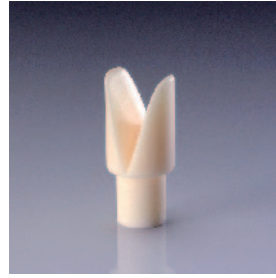
Mat: Rapal 100 R

Art.-No.: 3.94525 R



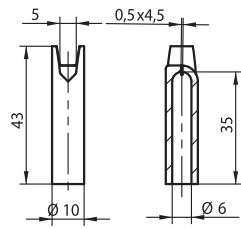
Mat: Rapal 100

Art.-No.: 3.94594 P



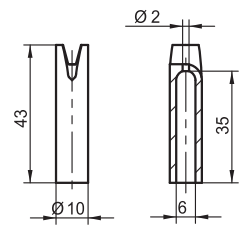
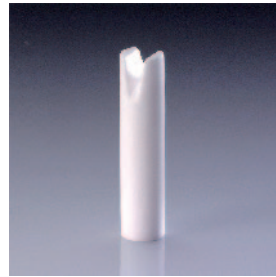
Mat: Rapal 100

Art.-No.: 3.90094



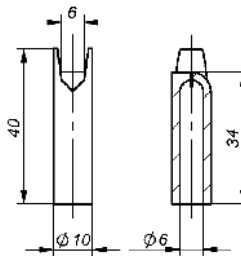
Mat: Rapal 100

Art.-No.: 3.94336/43



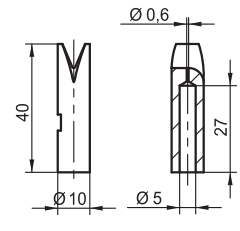
Mat: Rapal 100

Art.-No.: 3.94337/43



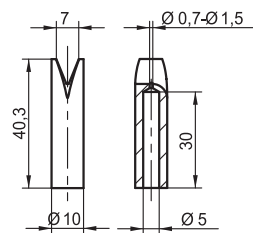
Mat: Rapal 100

Art.-No.: 3.94338/43



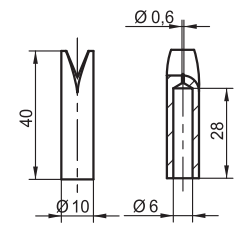
Mat: Rapal 100

Art.-No.: 3.90046/1,1



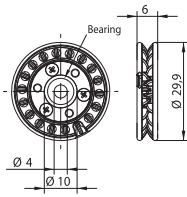
Mat: Rapal 100

Art.-No.: 3.9363/1,5

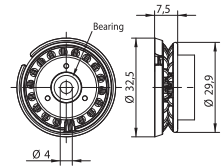
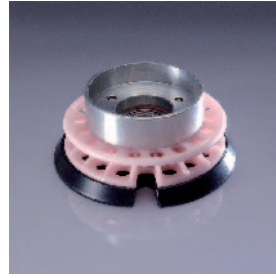


Mat: Rapal 100 R

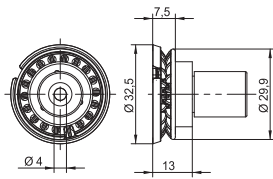
Art.-No.: 3.90227/40 R



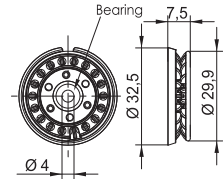
Mat: Rapal 200 PI Art.-No.: 3.94671/8765 PIP



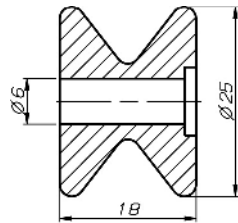
Mat: Rapal 200 PI Art.-No.: 3.94671/8766 PIP



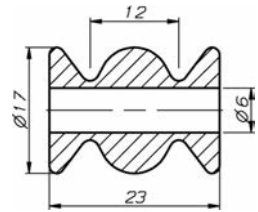
Mat: Rapal 200 PI Art.-No.: 3.94671/8722 PIP



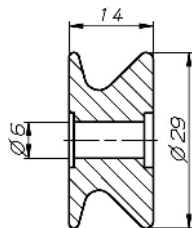
Mat: Rapal 200 PI Art.-No.: 3.94671/8741 PIP



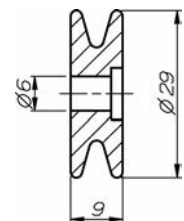
Mat: Titania Art.-No.: 3.90264 GP



Mat: Titania Art.-No.: 3.90262 GP

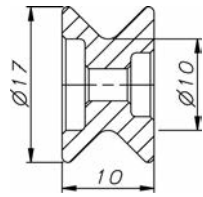


Mat: Rapal 200 Art.-No.: 3.90263 P  
Art.-No.: 3.90263 LF



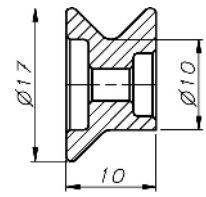
Mat: Rapal 200 Art.-No.: 3.90101 P  
Art.-No.: 3.90101 LF





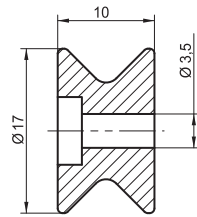
Mat: Rapal 200 AZ

Art.-No.: 3.90322 AZP



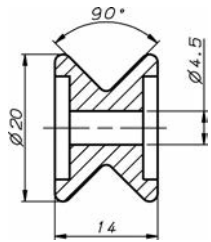
Mat: Rapal 200 AZ

Art.-No.: 3.90197 AZP



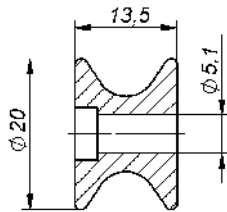
Mat: Titania

Art.-No.: 3.90361 GP



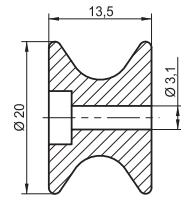
Mat: Rapal 200

Art.-No.: 3.90142 P



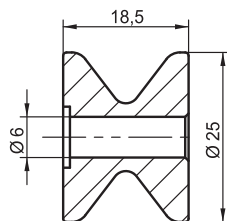
Mat: Titania

Art.-No.: 3.90363 GP



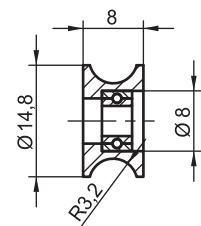
Mat: Titania

Art.-No.: 3.90363-1 GP



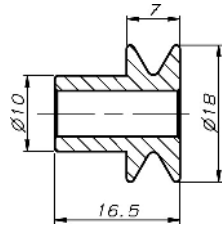
Mat: Rapal 100

Art.-No.: 3.90112



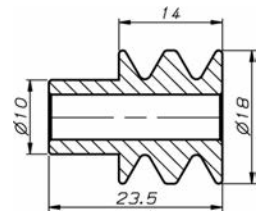
Mat: Rapal 100 R

Art.-No.: 3.92094/8724 RP



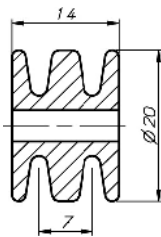
Mat: Rapal 200

Art.-No.: 3.90242 P



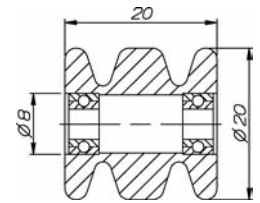
Mat: Rapal 200

Art.-No.: 3.90244 P



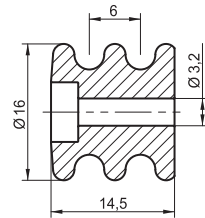
Mat: Rapal 100

Art.-No.: 3.91701



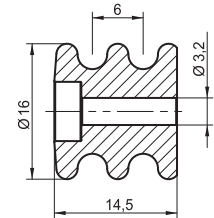
Mat: Rapal 100

Art.-No.: 3.90291/8723



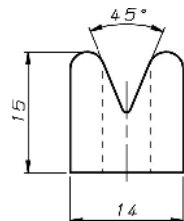
Mat: Rapal 200 AZ

Art.-No.: 3.90362 AZP



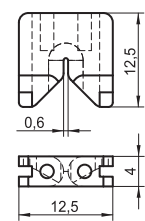
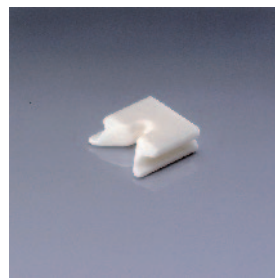
Mat: Titania

Art.-No.: 3.90340 GP



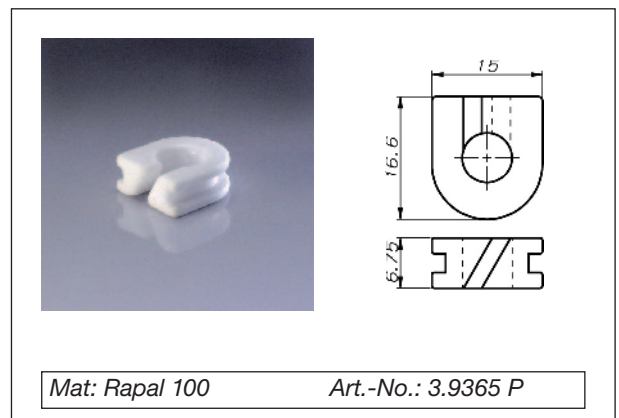
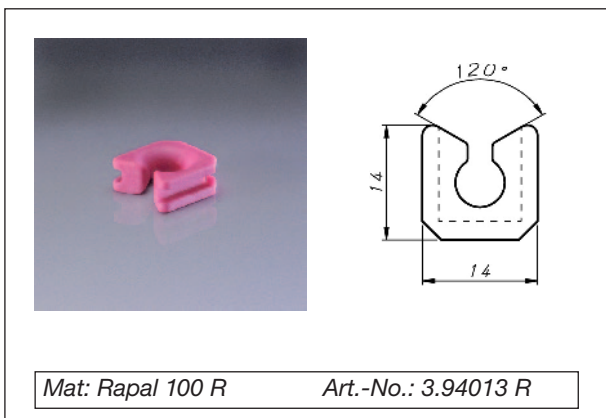
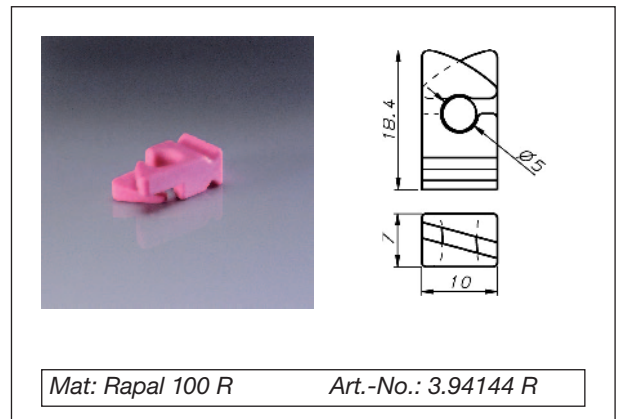
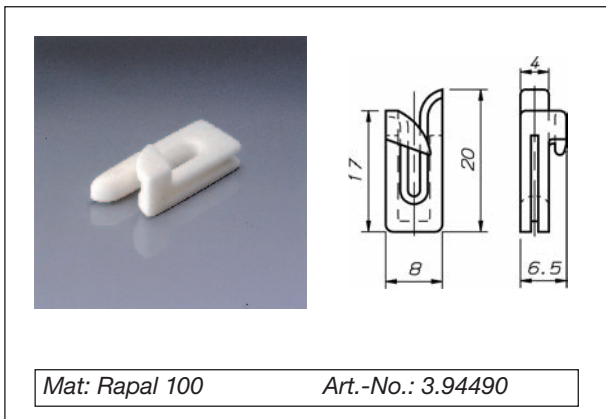
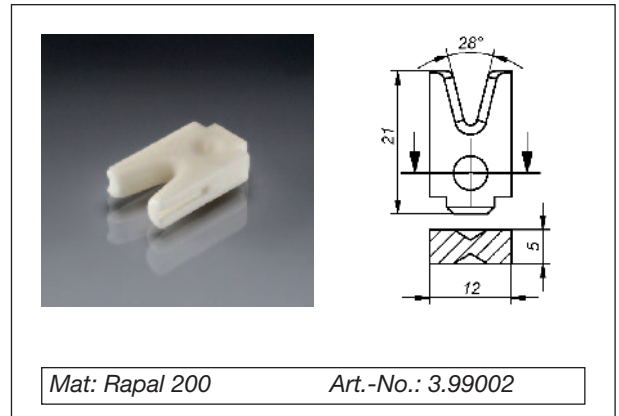
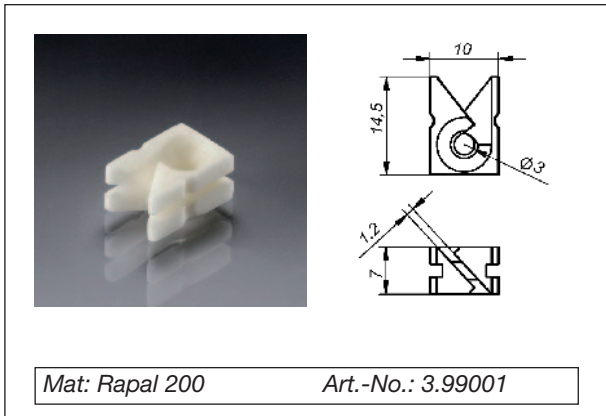
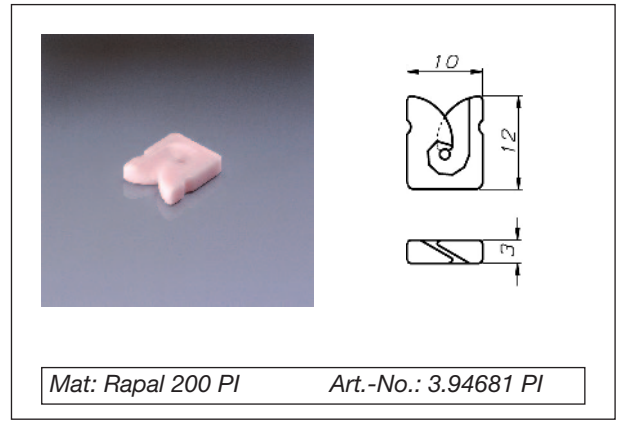
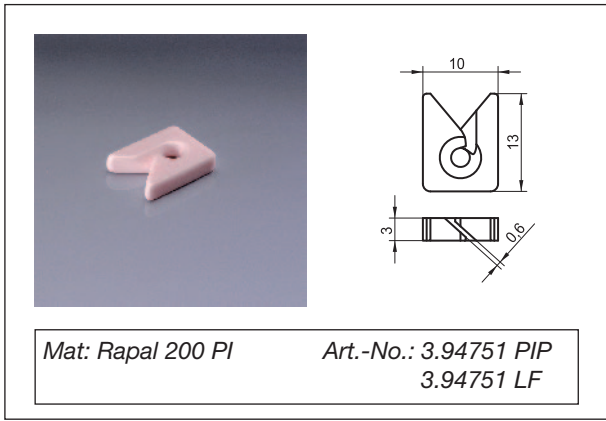
Mat: Rapal 100

Art.-No.: 3.94342 P



Mat: Rapal 200

Art.-No.: 3.94487 P





Technical drawing showing a U-shaped component with a central notch. The drawing includes a side view and a top view. Dimensions are: height 11.9, notch width 5.9, total width 10.3, and notch depth 2.

Mat: Titania      Art.-No.: 3.94752 GP

Technical drawing showing a C-shaped component with a central hole. The drawing includes a side view and a top view. Dimensions are: height 10, width 10, and hole diameter 4.

Mat: Rapal 100      Art.-No.: 3.94532

Technical drawing showing a complex, multi-faceted component. The drawing includes a side view and a top view. Dimensions are: height 1.5, width 6, angle 105°, notch width 5, notch depth 2, total width 12, and hole diameter  $\varnothing 2$ .

Mat: Rapal 200      Art.-No.: 3.99000

Technical drawing showing a component with a curved top surface. The drawing includes a side view and a top view. Dimensions are: height 1.0, width 8.65, radius R 3.75, and notch width 4.05.

Mat: Rapal 100      Art.-No.: 3.94465

Technical drawing showing a C-shaped component with a central hole. The drawing includes a side view and a top view. Dimensions are: height 4, hole diameter  $\varnothing 8$ , and notch width 0.8.

Mat: Titania      Art.-No.: 3.94793 GP

Technical drawing showing a C-shaped component with a central hole. The drawing includes a side view and a top view. Dimensions are: height 4, hole diameter  $\varnothing 8$ , and notch width 0.8.

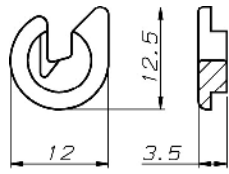
Mat: Titania      Art.-No.: 3.94517 GP

Technical drawing showing a U-shaped component with a central notch. The drawing includes a side view and a top view. Dimensions are: height 10, notch width 3, and notch depth 13.

Mat: Rapal 200 PI      Art.-No.: 3.94845 PIP

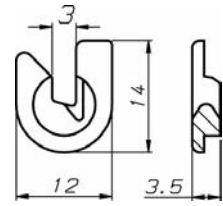
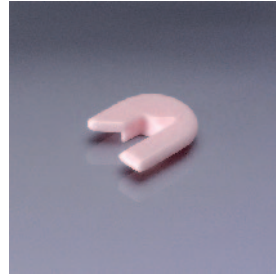
Technical drawing showing a U-shaped component with a central notch. The drawing includes a side view and a top view. Dimensions are: height 10, notch width 3, and notch depth 13.

Mat: Rapal 200      Art.-No.: 3.94844 P



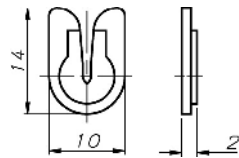
Mat: Rapal 200 PI

Art.-No.: 3.94656 PIP



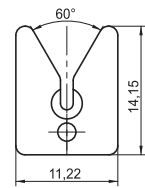
Mat: Rapal 200 PI

Art.-No.: 3.94657 PIP



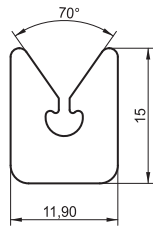
Mat: Rapal 200

Art.-No.: 3.94655 P



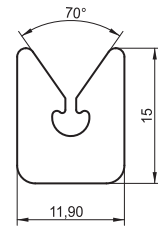
Mat: Titania

Art.-No.: 3.90367 GP



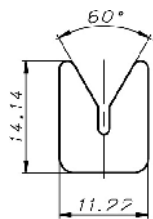
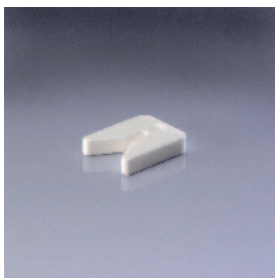
Mat: Rapal

Art.-No.: 3.90368



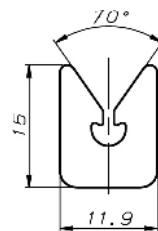
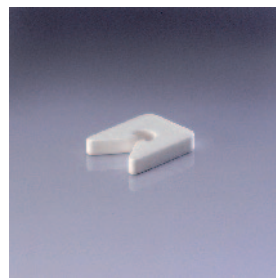
Mat: Titania

Art.-No.: 3.90368 GP



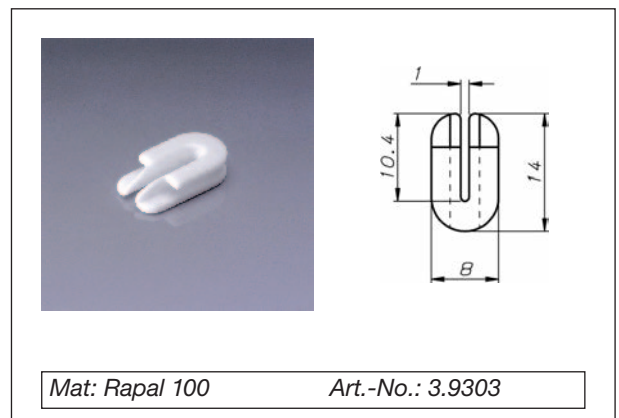
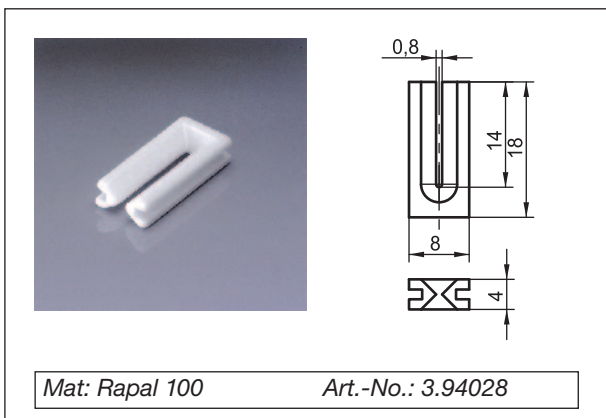
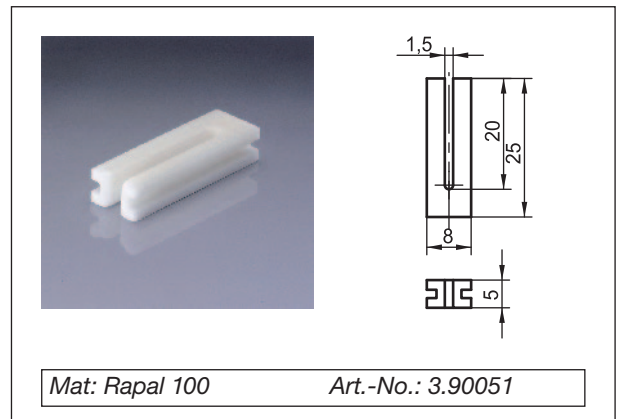
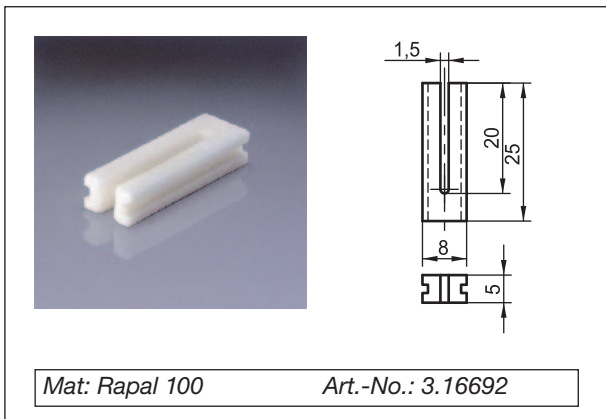
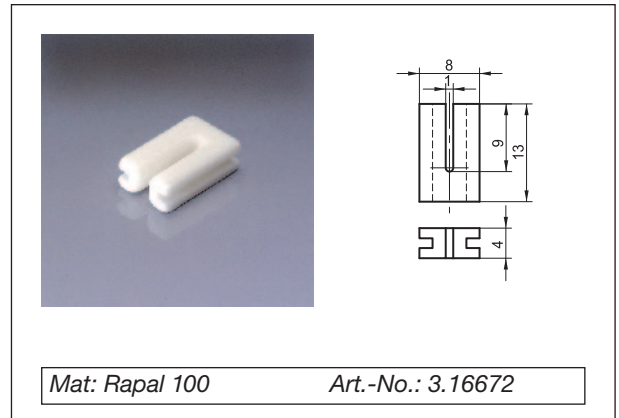
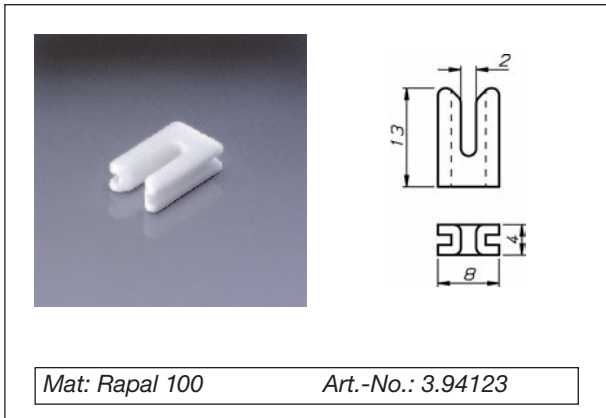
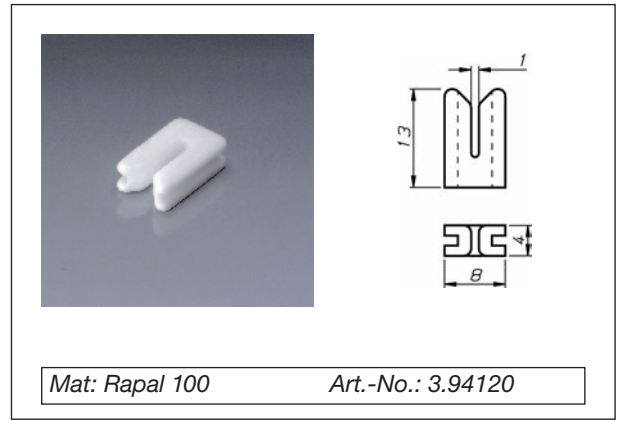
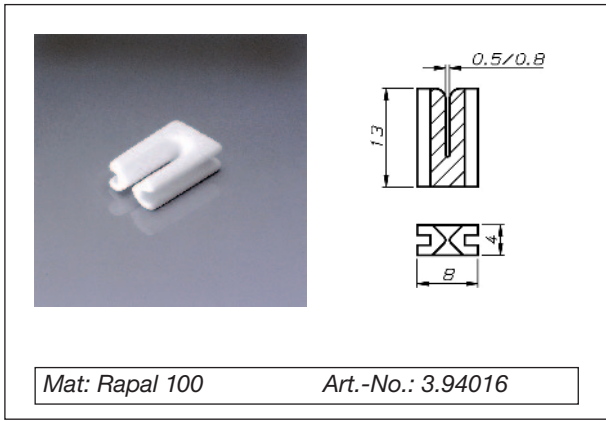
Mat: Rapal 200 AZ

Art.-No.: 3.90125 AZP



Mat: Rapal 200 AZ

Art.-No.: 3.90124 AZP





Mat: Titania      Art.-No.: 3.90300 GP

Mat: Titania      Art.-No.: 3.90258 GP

Mat: Rapal 200      Art.-No.: 3.91946 P  
3.91946 LF

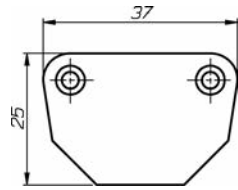
Mat: Titania      Art.-No.: 3.90366 GP

Mat: Rapal 200 PI      Art.-No.: 3.94696 PI

Mat: Rapal 200 PI      Art.-No.: 3.94674/8871 PIP  
Art.-No.: 3.94674/8872 PIP

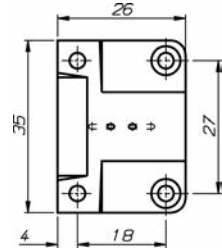
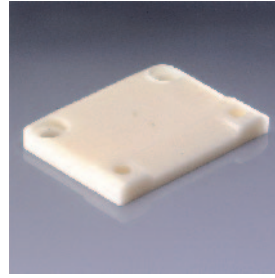
Mat: Titania      Art.-No.: 3.94006 G

Mat: Rapal 100      Art.-No.: 3.97473 (48 mm)  
3.97668 (30 mm)



Mat: Rapal 100 R

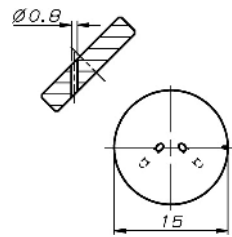
Art.-No.: 3.90174 R



Mat: Rapal 100

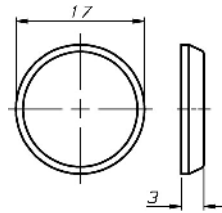
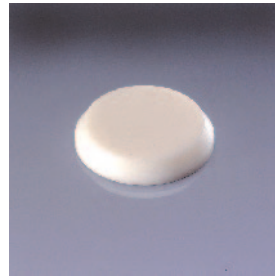
Art.-No.: 3.90173

Diameter of bore: 0,8 / 0,9 / 1,0 / 1,3



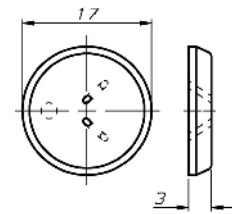
Mat: Rapal 200

Art.-No.: 3.90211



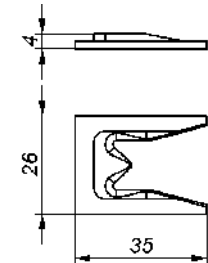
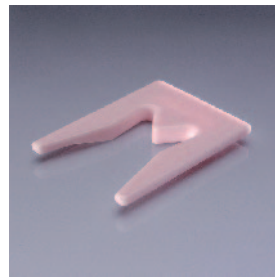
Mat: Rapal 200

Art.-No.: 3.90180



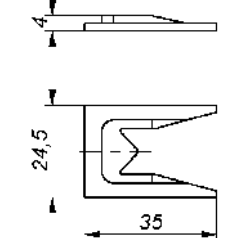
Mat: Rapal 200

Art.-No.: 3.90151



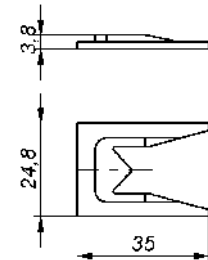
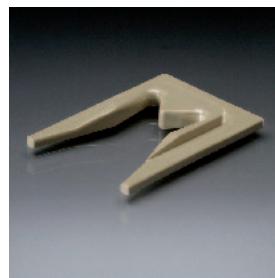
Mat: Rapal 200 PI

Art.-No.: 3.94650 PIP




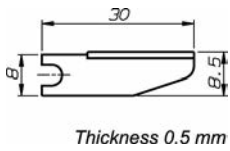
Mat: Rapal 200 AZ

Art.-No.: 3.94807 AZP



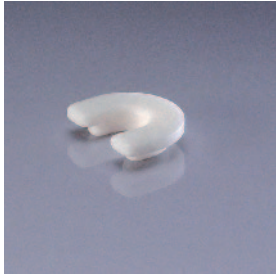
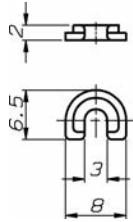
Mat: Titania

Art.-No.: 3.94808 GP


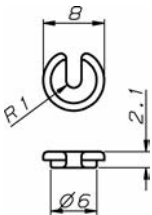



Thickness 0.5 mm

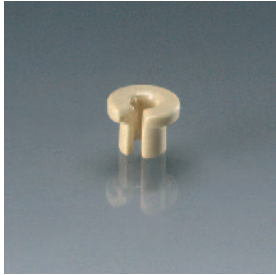
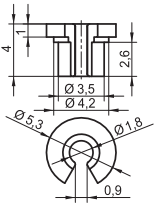
Mat: Zirconia Y      Art.-No.: 3.30104

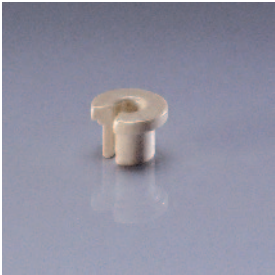
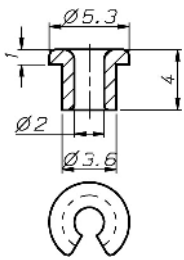
Mat: Rapal 200      Art.-No.: 3.94707

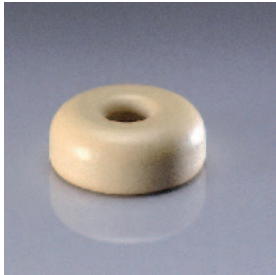
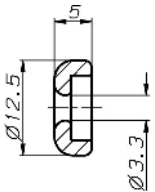
Mat: Rapal 100 R      Art.-No.: 3.94055 R

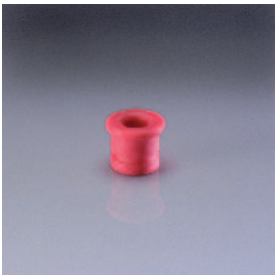
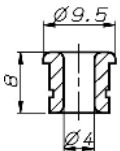
Mat: Titania      Art.-No.: 3.94842 G


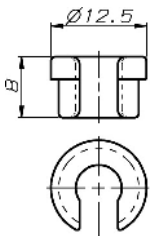
Mat: Titania      Art.-No.: 3.94124 GP

Mat: Titania      Art.-No.: 3.90004 G

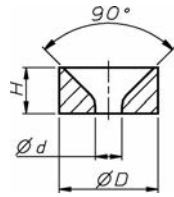
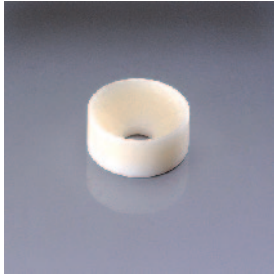



Mat: Rapal 100 R      Art.-No.: 3.91823 R

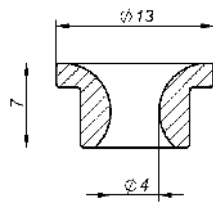
Mat: Rapal 100      Art.-No.: 3.91713





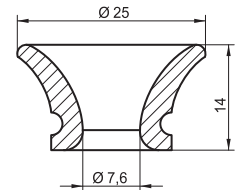
Art.-Nr.	D	d	H
<b>3.90085</b>	13	4,5	6
<b>3.91721</b>	13	3,5	6
<b>3.90140</b>	13	5,5	6

Mat: Rapal 200



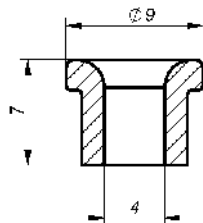
Mat: Titania C

Art.-No.: 3.90337 SP



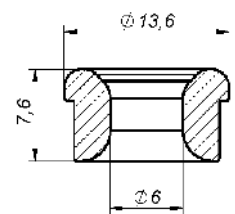
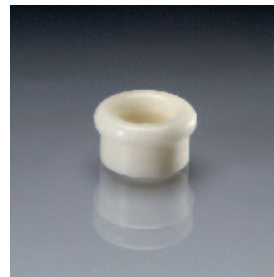
Mat: Titania C

Art.-No.: 3.90532/7.6 SP



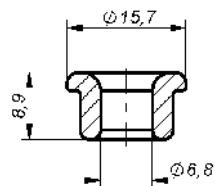
Mat: Titania C

Art.-No.: 3.90378 SP



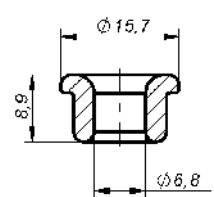
Mat: Rapal

Art.-No.: 3.90347 P



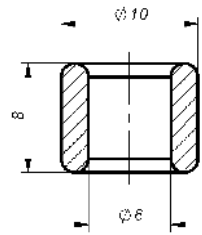
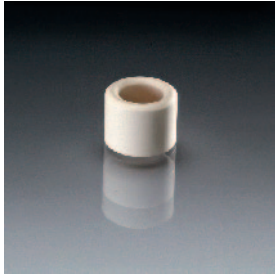
Mat: Titania C

Art.-No.: 3.90380 SP

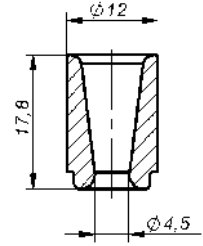


Mat: Titania

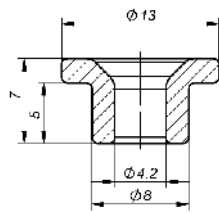
Art.-No.: 3.90380 GP



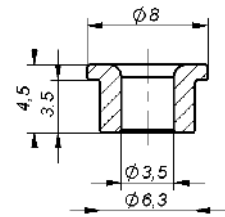
Mat: Rapal 200 AZ Art.-No.: 3.90364 AZ



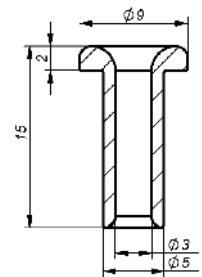
Mat: Titania Art.-No.: 3.90338 GP



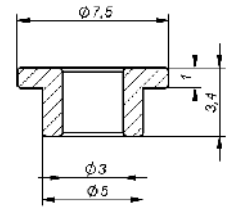
Mat: Rapal 200 Art.-No.: 3.99003



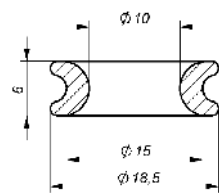
Mat: Rapal 200 Art.-No.: 3.99004



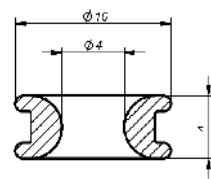
Mat: Titania C Art.-No.: 3.90412 SP



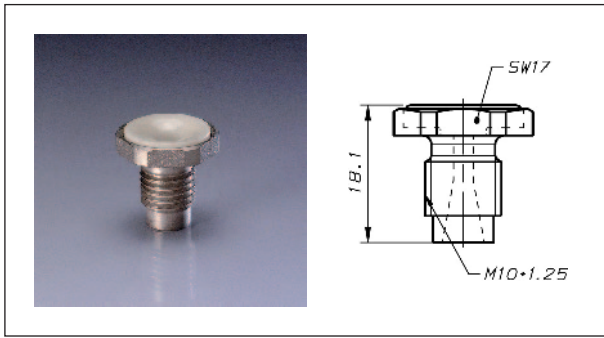
Mat: Rapal 200 PI Art.-No.: 3.90047/3,4 PI



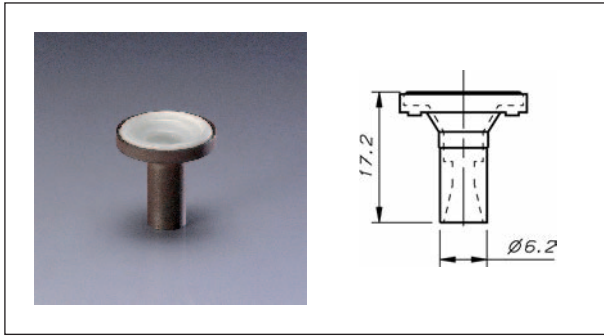
Mat: Rapal 100 Art.-No.: 3.90119 P



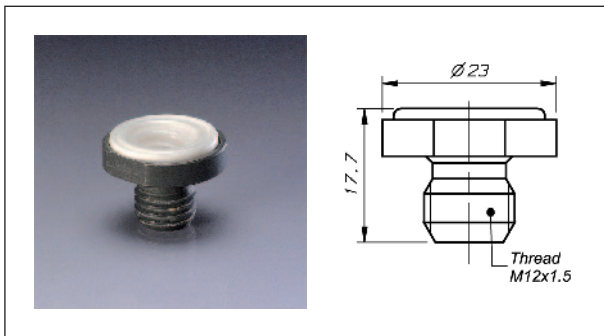
Mat: Titania Art.-No.: 3.90416 GP



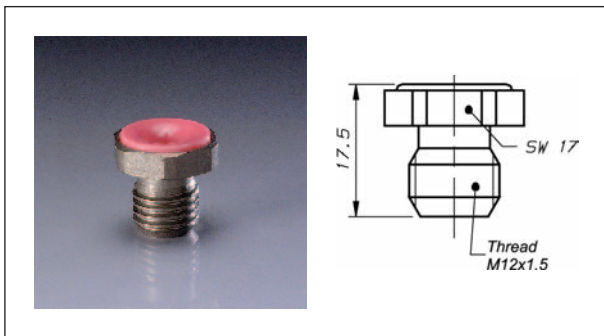
3.91989/8907 P	KN	white	
3.90076/8907 P	KN 3	white	
3.91988/8907 PIP	KN 4	pink	wide grooves
3.94709/8907 PIP	KN 4	pink	narrow grooves
3.94699/8907 P	KN 6	white	
3.91759/8907 P	KN 8	white	
3.94582/8904 P	KS	white	



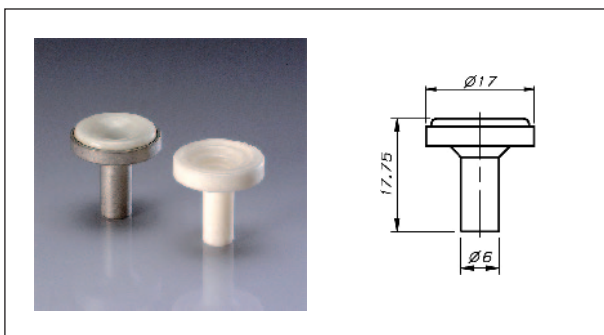
3.94781/8929 P	KN 6	white	
3.94722/8929 PIP	KN 4	pink	
3.94730/8929 P	KN 8	white	
3.94729/8929 P	KN	white	
3.94732/8930 P	KS	white	



3.94583/8922 P	KS	white	
----------------	----	-------	--

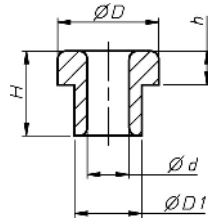
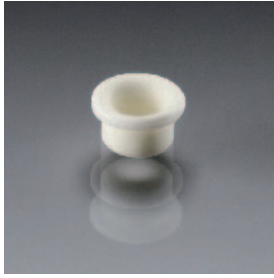


3.91989/8920 P	KN	white	
3.90076/8920 P	KN 3	white	
3.91988/8920 PIP	KN 4	pink	wide grooves
3.94709/8920 PIP	KN 4	pink	narrow grooves
3.91759/8920 P	KN 8	white	
3.94699/8920 P	KN 6	white	



3.91989/8919 P	KN	white	
3.90076/8919 P	KN 3	white	
3.91988/8919 PIP	KN 4	pink	wide grooves
3.94709/8919 PIP	KN 4	pink	narrow grooves
3.91759/8919 P	KN 8	white	
3.94667 P	KS	white	all ceramic
3.94699/8919 P	KN 6	white	



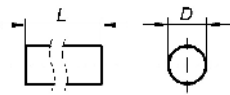


Mat: Rapal 100

**Further dimensions  
on request**

## Eyelets

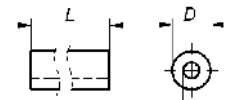
Article:	Material:	Colour:	Surface:	Dimensions:				
				D	D1	d	H	h
3.90047/3,4 PI	Rapal 100	pink	as fired	7,50	5,00	3,00	3,40	1,00
3.90047/5,0 PI	Rapal 100	pink	as fired	7,50	5,00	3,00	5,00	1,00
3.90047/6,3 PI	Rapal 100	pink	as fired	7,50	5,00	3,00	6,30	1,00
3.90079	Rapal 100	white	as fired	8,00	6,00	3,00	6,00	2,00
3.90103	Rapal 100	white	as fired	8,00	6,00	3,00	7,00	2,00
3.90103 P	Rapal 100	white	polished	8,00	6,00	3,00	7,00	2,00
3.90136	Rapal 100	white	as fired	9,70	7,70	4,20	12,00	2,00
3.90146	Rapal 100	white	as fired	17,00	12,00	7,50	14,00	5,50
3.90153	Rapal 100	white	as fired	10,50	7,50	4,00	8,50	2,00
3.90166	Rapal 100	white	as fired	15,00	13,00	9,00	10,00	1,50
3.91638	Rapal 100	white	as fired	20,80	19,20	13,70	9,20	2,20
3.91671	Rapal 100	white	as fired	12,50	10,50	6,00	8,00	3,00
3.91672	Rapal 100	white	as fired	12,00	8,00	5,00	10,00	4,00
3.91672 P	Rapal 100	white	polished	12,00	8,00	5,00	10,00	4,00
3.91678	Rapal 100	white	as fired	9,00	7,00	6,00	7,00	2,00
3.91691 P	Rapal 100	white	polished	7,80	6,20	3,20	2,60	1,00
3.91694	Rapal 100	white	as fired	5,50	4,00	2,00	6,50	1,50
3.91740	Rapal 100	white	as fired	8,50	7,50	5,00	2,90	0,90
3.91775	Rapal 100	white	as fired	7,80	6,20	3,20	4,50	1,00
3.91775 P	Rapal 100	white	polished	7,80	6,20	3,20	4,50	1,00
3.91776	Rapal 100	white	as fired	7,80	6,00	3,50	6,00	1,00
3.91776 R	Rapal 100	red	as fired	7,80	6,00	3,50	6,00	1,00
3.91779	Rapal 100	white	as fired	12,00	10,00	4,00	15,00	4,00
3.91797 R	Rapal 100	red	as fired	5,50	4,00	1,50	5,50	1,50
3.91807	Rapal 100	white	as fired	7,80	6,00	3,20	3,40	1,00
3.91822	Rapal 100	white	as fired	31,75	26,30	19,05	19,80	6,35
3.91883	Rapal 100	white	as fired	13,00	11,00	7,00	6,00	1,50
3.91939	Rapal 100	white	as fired	12,00	10,00	5,50	9,00	2,00
3.94036	Rapal 100	white	as fired	5,30	3,60	2,00	4,00	1,00
3.94160	Rapal 100	white	as fired	6,60	4,80	3,60	4,00	1,00
3.94292	Rapal 100	white	as fired	5,00	4,00	2,00	5,00	1,40



D (mm)	L (mm) standart l depends on D and d	L (mm) on request
2 to 25	10 to 250	10 to 350

Mat: Rapal 100

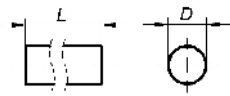
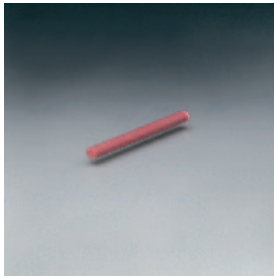
Art.-No.: 3. D x L



D (mm)	d (mm)	L (mm) standart L depends on D and d	L (mm) on request
2 to 25	0.6 to 20	10 to 250	10 to 350

Mat: Rapal 100

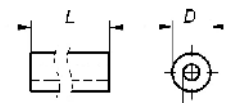
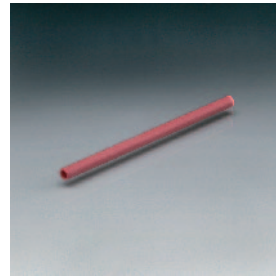
Art.-No.: 3. D x d x L



D (mm)	L (mm) standart l depends on D and d	L (mm) on request
2 to 25	10 to 250	10 to 350

Mat: Rapal 100 R

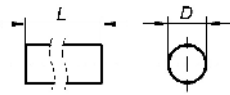
Art.-No.: 3. D x L



D (mm)	d (mm)	L (mm) standart L depends on D and d	L (mm) on request
2 to 25	0.6 to 20	10 to 250	10 to 350

Mat: Rapal 100 R

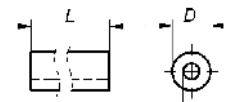
Art.-No.: 3. D x d x L



D (mm)	L (mm) standart l depends on D and d	L (mm) on request
2 to 25	10 to 250	10 to 350

Mat: Titania

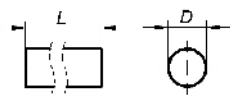
Art.-No.: 3. D x L



D (mm)	d (mm)	L (mm) standart L depends on D and d	L (mm) on request
2 to 25	0.6 to 20	10 to 250	10 to 350

Mat: Titania

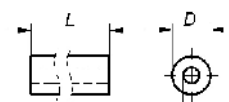
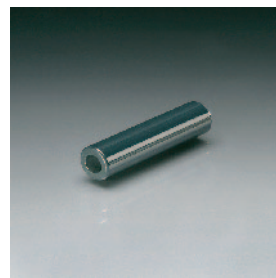
Art.-No.: 3. D x d x L



D (mm)	L (mm) standart l depends on D and d	L (mm) on request
2 to 25	10 to 250	10 to 350

Mat: Titania (C)

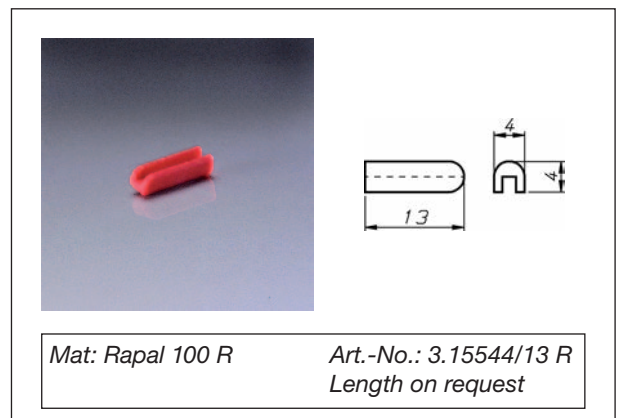
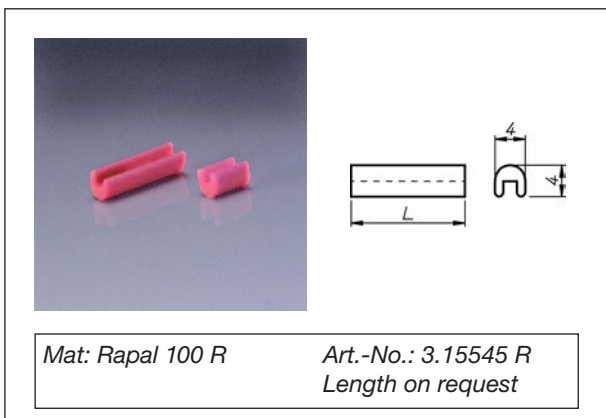
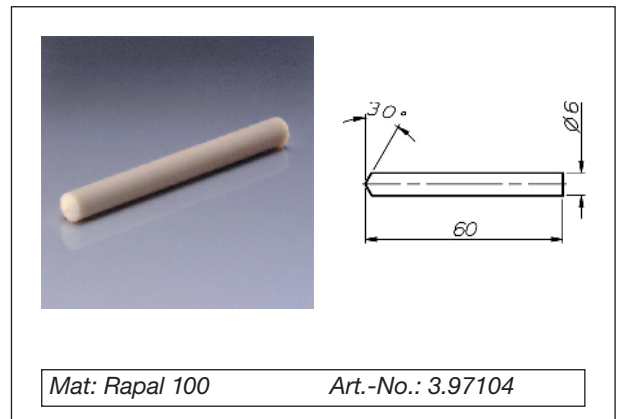
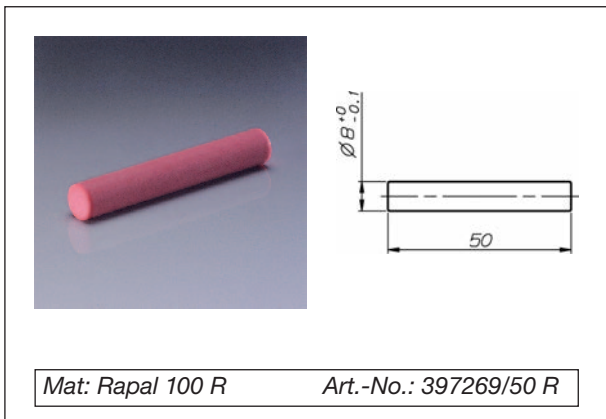
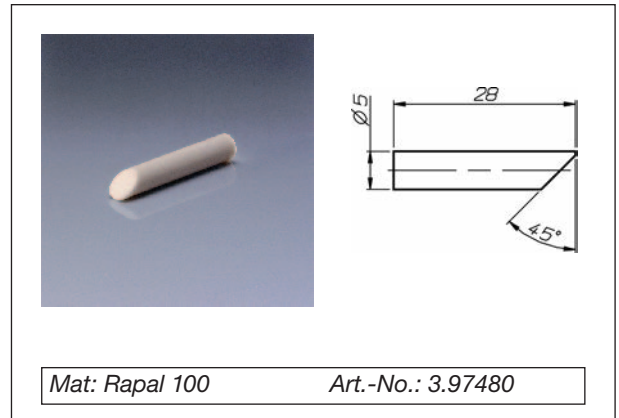
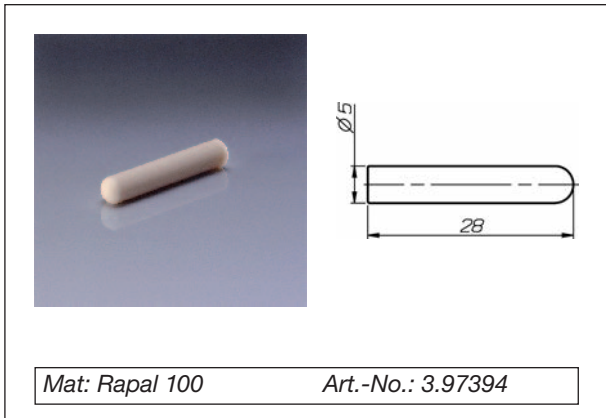
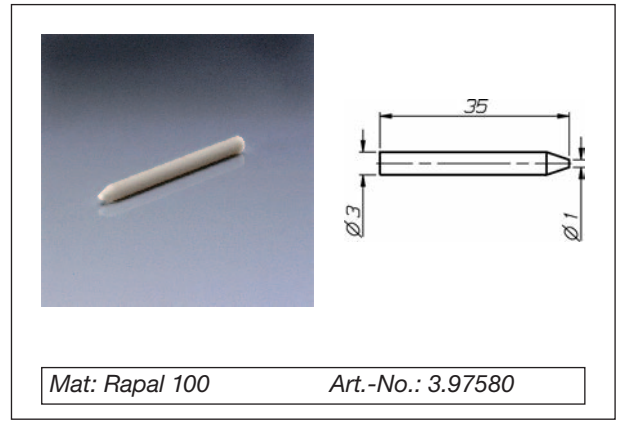
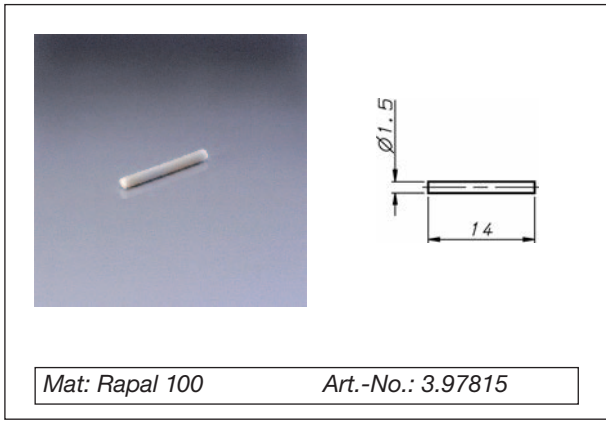
Art.-No.: 3. D x L



D (mm)	d (mm)	L (mm) standart L depends on D and d	L (mm) on request
2 to 25	0.6 to 20	10 to 250	10 to 350

Mat: Titania (C)

Art.-No.: 3. D x d x L



Faxantwort an:  
Werk Pressig +49 9265-78-10899



Bitte senden Sie mir unverbindlich  
Informationen über

**Fadenführer**

**NEU** Unser Katalog im Internet  
[www.rauschert.com](http://www.rauschert.com)  
und auf CD-ROM!

**Absender:**








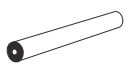




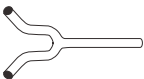

Name  Vorname

Firma, Abteilung

Straße / Postfach  PLZ Ort

Bitte vorab telefonische Absprache/  
Klärung der noch offenen Punkte!

Telefon (für evtl. Rückfragen)  Telefax

- |                       |   |                           |                              |
|-----------------------|---|---------------------------|------------------------------|
| <input type="radio"/> |    | Changierfadenführer       | Take-Up-Winder-Guides        |
| <input type="radio"/> |    | Präparationsfadenführer   | Applicator-Guides            |
| <input type="radio"/> |    | Abzugsdüsen               | Doffing-Tube Inserts         |
| <input type="radio"/> |   | Wirbeldüsen               | Intermingling Jets           |
| <input type="radio"/> |  | Sauschwanzfadenführer     | Pigtails                     |
| <input type="radio"/> |  | Selbsteinfädler           | Trap Type-Thread Guides      |
| <input type="radio"/> |  | Schlitzfadenführer        | Open-Type-Thread Guides      |
| <input type="radio"/> |  | Pantoffelfadenführer      | Traverse-Guides              |
| <input type="radio"/> |  | Ösen                      | Eyelets                      |
| <input type="radio"/> |  | Stäbe / Rohre             | Rods / Tubes                 |
| <input type="radio"/> |  | Profile                   | Profiles                     |
| <input type="radio"/> |  | Rollen                    | Rollers                      |
| <input type="radio"/> |  | Haken                     | Hooks                        |
| <input type="radio"/> |  | Keramische Schneidleisten | Ceramic Cutting Blades       |
| <input type="radio"/> |  | Beschichtete Fadenführer  | Ceramic Coated Thread Guides |
| <input type="radio"/> |  | Porzellanfadenführer      | Porcelain Thread Guides      |
| <input type="radio"/> |   | Sonstige Fadenführer      | Other Thread Guides          |
| <input type="radio"/> |   | Technische Hinweise       | Technical advice             |



Answer to  
Plant Pressig +49 9265-78-10899



Please send me information without  
obligation regarding

**Thread Guides**

**NEW** Our catalogue on Internet  
[www.rauschert.com](http://www.rauschert.com)  
and at CD-ROM!










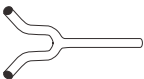

**Sender:**

Name First Name

Company, Dept.

Street, P.O. Box Post Code, Place

Telephone Fax

- |                       |   |                           |                              |
|-----------------------|---|---------------------------|------------------------------|
| <input type="radio"/> |    | Changierfadenführer       | Take-Up-Winder-Guides        |
| <input type="radio"/> |    | Präparationsfadenführer   | Applicator-Guides            |
| <input type="radio"/> |    | Abzugsdüsen               | Doffing-Tube Inserts         |
| <input type="radio"/> |   | Wirbeldüsen               | Intermingling Jets           |
| <input type="radio"/> |  | Sauschwanzfadenführer     | Pigtails                     |
| <input type="radio"/> |  | Selbsteinfädler           | Trap Type-Thread Guides      |
| <input type="radio"/> |  | Schlitzfadenführer        | Open-Type-Thread Guides      |
| <input type="radio"/> |  | Pantoffelfadenführer      | Traverse-Guides              |
| <input type="radio"/> |  | Ösen                      | Eyelets                      |
| <input type="radio"/> |  | Stäbe / Rohre             | Rods / Tubes                 |
| <input type="radio"/> |  | Profile                   | Profiles                     |
| <input type="radio"/> |  | Rollen                    | Rollers                      |
| <input type="radio"/> |  | Haken                     | Hooks                        |
| <input type="radio"/> |  | Keramische Schneidleisten | Ceramic Cutting Blades       |
| <input type="radio"/> |  | Beschichtete Fadenführer  | Ceramic Coated Thread Guides |
| <input type="radio"/> |  | Porzellanfadenführer      | Porcelain Thread Guides      |
| <input type="radio"/> |   | Sonstige Fadenführer      | Other Thread Guides          |
| <input type="radio"/> |   | Technische Hinweise       | Technical advice             |

## Table of Contents

<b>Art.-No.</b>	<b>Page</b>	<b>Art.-No.</b>	<b>Page</b>	<b>Art.-No.</b>	<b>Page</b>	<b>Art.-No.</b>	<b>Page</b>
3.15544/13 R	32	3.90364 AZ	28	3.94120	23	3.94655 P	22
3.15545 R	32	3.90366 GP	24	3.94123	23	3.94656 PIP	22
3.16672	23	3.90367 GP	22	3.94124 GP	26	3.94657 PIP	22
3.16692	23	3.90368	22	3.94126 R	13	3.94658/8868 PI	9
3.30104	26	3.90368 GP	22	3.94144 R	20	3.94667 P	29
3.90004 G	26	3.90378 SP	27	3.94145/8807	9	3.94671/8722 PIP	17
3.90046/1,1	16	3.90380 GP	27	3.94145/8837	11	3.94671/8741 PIP	17
3.90047/3,4 PI	28	3.90380 SP	27	3.94160	30	3.94671/8765 PIP	17
3.90047/5,0 PI	30	3.90412 SP	28	3.94192/8842	8	3.94671/8766 PIP	17
3.90047/6,3 PI	30	3.90416 GP	28	3.94228/8832	11	3.94674/8871 PIP	24
3.90051	23	3.90532/7,6 SP	27	3.94282/8814	11	3.94674/8872 PIP	24
3.90076/8907 P	29	3.91638	30	3.94282/8858	9	3.94681 PI	20
3.90076/8919 P	29	3.91671	30	3.94292	30	3.94683	13
3.90076/8920 P	29	3.91672	30	3.94336/43	16	3.94696 PI	24
3.90079	30	3.91672 P	30	3.94337/43	16	3.94699/8907 P	29
3.90085	27	3.91678	30	3.94338/43	16	3.94699/8919 P	29
3.90094	16	3.91691 P	30	3.94342 P	19	3.94699/8920 P	29
3.90101 LF	17	3.91694	30	3.94379/8834	11	3.94706/8812 R	10
3.90101 P	17	3.91701	19	3.94382	12	3.94707	26
3.90103	30	3.91713	26	3.94398	15	3.94709/8907 PIP	29
3.90103 P	30	3.91721	27	3.94403/8858	9	3.94709/8919 PIP	29
3.90112	18	3.91740	30	3.94406/8820	11	3.94709/8920 PIP	29
3.90119 P	28	3.91759/8907 P	29	3.94406/8844	11	3.94713 R	14
3.90124 AZP	22	3.91759/8919 P	29	3.94453 R	15	3.94722/8929 PIP	29
3.90125 AZP	22	3.91759/8920 P	29	3.94454 R	15	3.94726	15
3.90136	30	3.91775	30	3.94465	21	3.94729/8929 P	29
3.90140	27	3.91775 P	30	3.94487 P	19	3.94730/8929 P	29
3.90142 P	18	3.91776	30	3.94488	12	3.94732/8930 P	29
3.90146	30	3.91776 R	30	3.94490	20	3.94749	14
3.90151	25	3.91779	30	3.94501/8803	8	3.94751 LF	20
3.90153	30	3.91797 R	30	3.94517 GP	21	3.94751 PIP	20
3.90166	30	3.91807	30	3.94519/8838	9	3.94752 GP	21
3.90173	25	3.91822	30	3.94525 R	15	3.94768	14
3.90174 R	25	3.91823 R	26	3.94532	21	3.94781/8929 P	29
3.90180	25	3.91883	30	3.94535/8842	8	3.94793 GP	21
3.90185	12	3.91939	30	3.94537 R	13	3.94795 GP	12
3.90186	12	3.91946 LF	24	3.94557 PI	14	3.94796 PIN	14
3.90197 AZP	18	3.91946 P	24	3.94565	13	3.94807 AZP	25
3.90211	25	3.91988/8907 PIP	29	3.94565/8716	13	3.94808 GP	25
3.90227/40 R	16	3.91988/8919 PIP	29	3.94570	13	3.94842 G	26
3.90242 P	19	3.91988/8920 PIP	29	3.94582/8904 P	29	3.94844 P	21
3.90244 P	19	3.91989/8907 P	29	3.94583/8922 P	29	3.94845 PIP	21
3.90258 GP	24	3.91989/8919 P	29	3.94584/8842	8	3.97104	32
3.90262 GP	17	3.91989/8920 P	29	3.94589	14	3.97269/50 R	32
3.90263 LF	17	3.92094/8724 RP	18	3.94591/8842	8	3.97394	32
3.90263 P	17	3.9303	23	3.94594 P	16	3.97473	24
3.90264 GP	17	3.9316/8820	11	3.94600	13	3.97480	32
3.90265 AZ	12	3.9322/8839	10	3.94601/8830 R	11	3.97580	32
3.90266 AZ	12	3.9363/1,5	16	3.94608	13	3.97668	24
3.90267 AZ	12	3.9365 P	20	3.94609	13	3.97815	32
3.90291/8723	19	3.9366/8805	10	3.94610	13	3.99000	21
3.90300 GP	24	3.9367/8805	10	3.94611	13	3.99001	20
3.90322 AZP	18	3.9378/8805	10	3.94614/8842	8	3.99002	20
3.90337 SP	27	3.94006 G	24	3.94616/8803	8	3.99003	28
3.90338 GP	28	3.94013 R	20	3.94616/8811	8	3.99004	28
3.90340 GP	19	3.94016	23	3.94616/8816	9	7.8902/4	15
3.90347 P	27	3.94028	23	3.94632/8858	9	7.8902/5	15
3.90361 GP	18	3.94036	30	3.94646/8812	10	7.8903/4	15
3.90362 AZP	19	3.94055 R	26	3.94647/8812	10		
3.90363 GP	18	3.94094/8859	9	3.94648/8812	10		
3.90363/1 GP	18	3.94116	13	3.94650 PIP	25		

## Rauschert at a Glance



### Technical Ceramics



Electroceramics



Ceramics for lightning



Ceramic components for textile machines



Ceramics for mechanical engineering



High temperature ceramics



Infrared heater plates



Ceramic honeycombs



Welding back-ups



Electro heat ceramics



Ignition components



Ceramic coating



Ceramic sealing and regulation discs



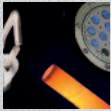
Ceramic parts for pumps



Functional ceramics



### Technical Plastic Components



### Functional Components



### Engineering



### Solar Technology

# Rauschert Ceramic Thread Guides

Rauschert is a leading European manufacturer of ceramic components. Our Textile Ceramic Product Division is an important and successful part of Rauschert's business and the management and employees are committed to continuous improvement and customer service into the future.

The sales offices for Rauschert textile ceramic products are located in:

Pressig/Germany  
Vadodara, Gujarat/India  
and Shanghai/China.

Take advantage of the Rauschert experience!

## Send us your enquiries!

### In Germany:

Rauschert  
Heinersdorf-Pressig GmbH  
Postfach 1162  
D-96329 Pressig

Mrs. Stephanie Bauer

Phone +49 (0) 9265-78-334

Fax +49 (0) 9265-78-10834

eMail s.bauer@prg.rauschert.de

Mr. Hans-Juergen Wolf

Phone +49 (0) 9265-78-329

Fax +49 (0) 9265-78-10846

eMail h.wolf@prg.rauschert.de

### In China:

Rauschert Technical Ceramics  
Section A, Second Floor  
No 55 Xi Ya Road  
Waigaoqiao FTZ  
Shanghai 200131, China

Phone +86 21-50643668

Fax +86 21-50462220

eMail sales@rauschert.cn

### In India:

Rauschert India Private Ltd  
A/4 Tejal Apartments Ground Floor  
Opp Gita Mandir, Pratapnagar Road  
Vadodara-390004 Gujarat, India

Phone +91 265-2437199

Fax +91 265-2437199

eMail paragjha@rauschert.com

With more than 100 years experience in supplying industrial customers Rauschert can also be a reliable partner for you.

With 1200 employees in 12 manufacturing plants Rauschert is meeting today's international challenges.

Please request our literature or visit us on our website!

[www.rauschert.com](http://www.rauschert.com)

*Experienced, Flexible, Reliable.*

**Rauschert**