



SCHELBLE

ABRASIVOS PIRANHA®



**CATÁLOGO
INDUSTRIAL
2021**



SOBRE A SCHELBLE



A **Schelble Abrasivos Piranha** é uma empresa que mantém desde 1956 a excelência na fabricação de seus produtos. Fundada pelo engenheiro alemão Walter Berthold Schelble, que passou para cada geração a tradição de unir o melhor da **tecnologia alemã** com **matéria-prima brasileira**.

A Schelble Abrasivos Piranha preserva há anos a reputação de oferecer um excelente atendimento ao cliente e constante disponibilidade de peças a pronta-entrega. Atualmente seus produtos são reconhecidos no mercado Sul-Americano pelo **alto nível de qualidade**, **ótima precisão de corte** e **maior variedade de dureza de grãos**.



SUMÁRIO

Como escolher a ponta abrasiva ideal

Formato / Tipo	Página 3
Dimensões, Hastes e Tamanhos de Grãos	Página 4
Abrasivos	Página 5
Liga, Dureza, Aplicação e Segurança	Página 6
Pontas abrasivas Tipo A	Página 7
Pontas abrasivas Tipo B	Página 8
Pontas abrasivas Tipo C	Página 11
Pontas abrasivas Tipo S – Fabricação exclusiva	Página 13



LINHA INDUSTRIAL SCHELBLE

As pontas abrasivas Schelble podem ser identificadas pela **Nomenclatura Schelble** ou pela **Internacional**. Neste catálogo, será explicado um passo a passo de como escolher a ponta abrasiva ideal de acordo com a sua necessidade para obter um resultado de alta performance.



FORMATO / TIPO

Tendo definido o trabalho a ser realizado, escolhe-se primeiramente o formato da ponta industrial. Pela **Nomenclatura Schelble**, os formatos são classificados de acordo com a **numeração de 0 a 9**. Já na **Nomenclatura Internacional** as peças são divididas em **4 tipos: A, B, C e S**. As Pontas Abrasivas Schelble são produzidas seguindo um rigoroso controle de tolerâncias dimensionais e de qualidade.

Nomenclatura Schelble



Nomenclatura Internacional

Tipo A: peças grandes, utilizadas para trabalhos de desbaste em contornos.

Tipo B: peças pequenas, utilizadas para trabalhos de desbaste em contornos.

Tipo C: formato cilíndrico, ideais para furos, contornos e raios de desbaste.

Tipo S: fabricação **exclusiva** da **Schelble Abrasivos Piranha**, desenvolvida para atender as necessidades de desbaste especiais de seus clientes. É possível solicitar a fabricação de novos formatos, para mais informações, não hesite em entrar em contato conosco.



DIMENSÕES

É possível identificar as dimensões do **diâmetro externo** e **altura** da ponta abrasiva a partir da Nomenclatura Schelble.



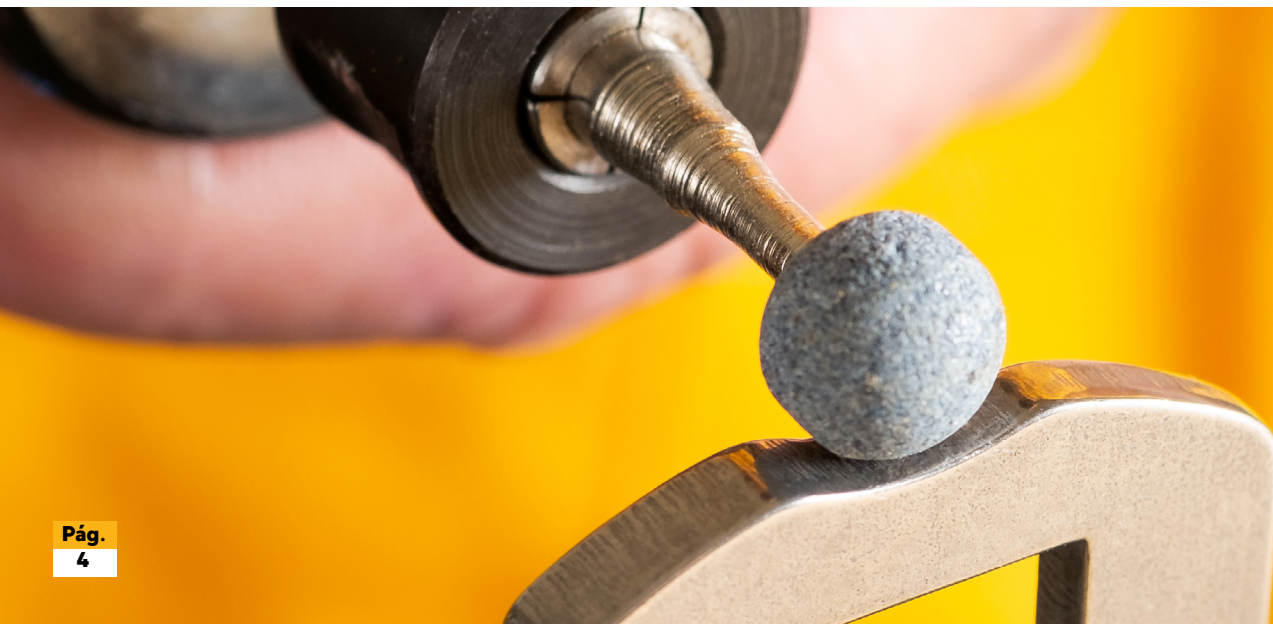
HASTES

Por padrão, as hastes são de **aço niquelado** com **comprimento** de **40 mm**, podendo variar de acordo com o tamanho da pedra, além disto, comprimentos especiais estão disponíveis sob encomenda. Os **diâmetros** das hastes são de: **3 mm, 1/8", 6 mm e 1/4"**.



TAMANHOS DE GRÃOS

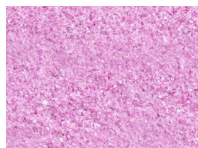
São determinados de acordo com o diâmetro das pedras, porém podem ser fabricadas conforme a necessidade do cliente. A escolha do tipo de grão é feita conforme o resultado que deseja-se atingir. Para um **acabamento refinado**, é recomendado o uso de **grãos finos** e para **desbastes mais profundos** usa-se **grãos mais grossos**. Os grãos abrasivos mais utilizados são os seguintes: 36, 46, 60, 80, 100, 150, 220, 240.





ABRASIVOS

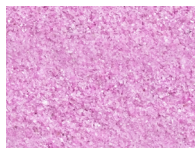
As pontas abrasivas Schelble da Linha Industrial são compostas por grãos de: Óxido de Alumínio (Al₂O₃) e Carboneto de Silício (SiC). A propriedade de corte do abrasivo e conseqüentemente a **finalidade de uso** da ponta pode ser identificada **através de sua cor**.



A* - Azul

Corte extremamente agressivo (Al₂O₃)

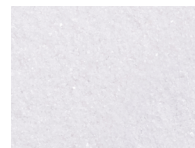
1 3 9



PA - Rosa

Corte agressivo, com alta precisão de desbaste (Al₂O₃)

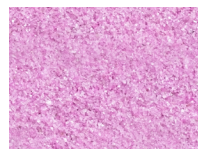
1 2 3 6 7



AA - Branco

Corte estável, para acabamento refinado (Al₂O₃)

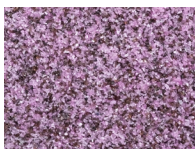
2 4 5 6



A - Cinza

Corte altamente agressivo, para desbaste grosso (Al₂O₃)

1 3 5 7 9



PAA - Roxo

Corte agressivo, com precisão de desbaste (Al₂O₃)

1 2



GC - Verde

Específico para materiais de alta dureza (SiC)

4 5 6 7 9

	Aços de até 1.200 N/mm ²	1
Aço, Aço Fundido	Aços temperados, tratados com calor, com mais de 1.200 N/mm ²	2
	Aço Fundido	3
	Aço Inoxidável (INOX)	Aços resistentes à ferrugem e ácidos
Metais Não Ferrosos	Metais não ferrosos macios, metais não ferrosos	5
	Metais rígidos não ferrosos	6
	Materiais resistentes a altas temperaturas	7
Ferro Fundido	Ferro Fundido cinzento, Ferro Fundido branco	8
Plásticos, outros materiais	Plásticos reforçados com fibra, Termoplásticos, Borracha, Madeira, Cerâmica e Vidro	9



LIGA

A liga dos Abrasivos Piranha é a **vitrificada**, composta de minerais cerâmicos, que permitem o controle exato de dureza.

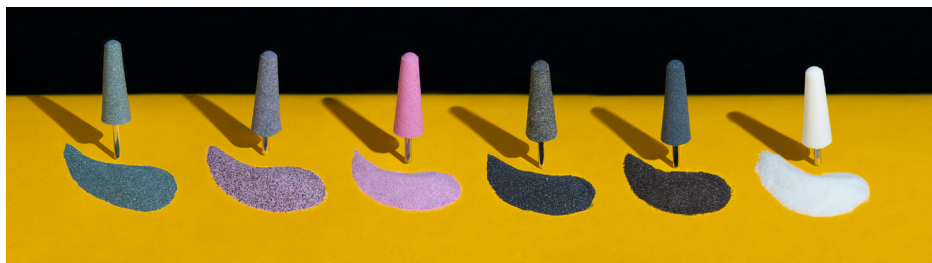
DUREZA

É o grau de resistência que um abrasivo tem de reter firmemente suas partículas. O grau de dureza padrões dos Abrasivos Piranha podem ser **identificados por suas cores**. Pedidos de outros graus de dureza podem ser feitos sob encomenda.

APLICAÇÃO E SEGURANÇA

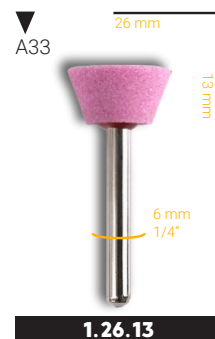
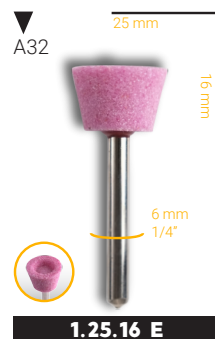
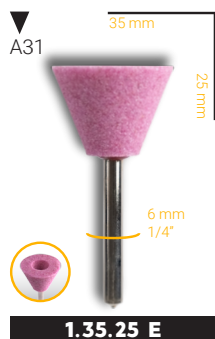
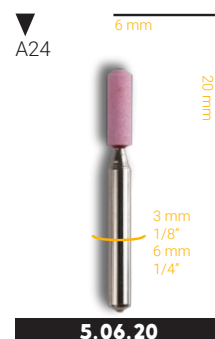
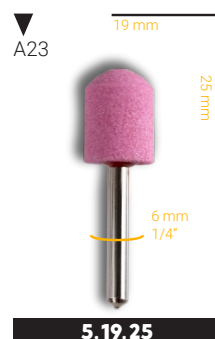
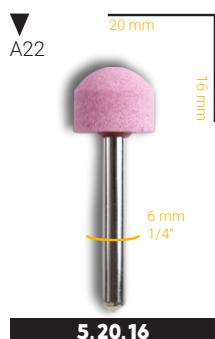
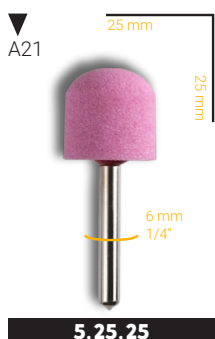
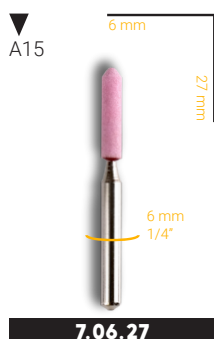
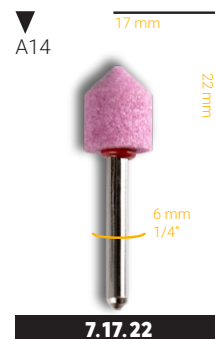
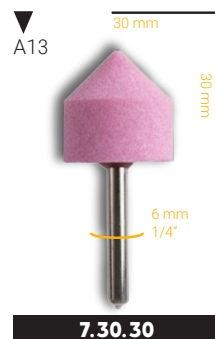
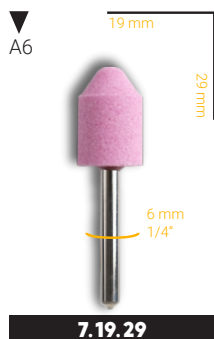
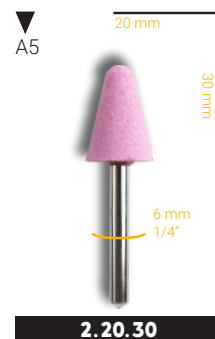
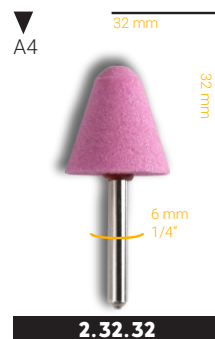
Para garantir um bom rendimento no uso de sua ponta montada Schelble, **a rotação de seu equipamento deve estar acima de 25.000 rpm**.

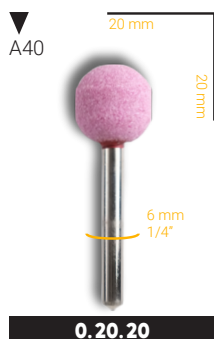
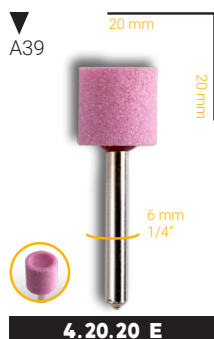
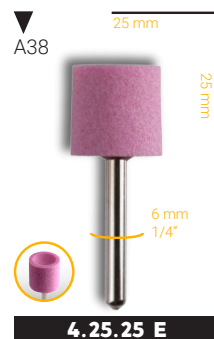
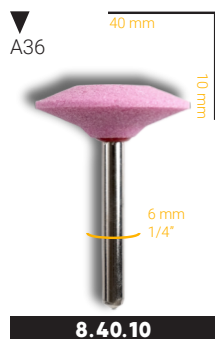
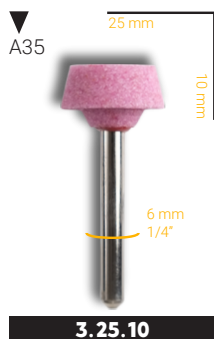
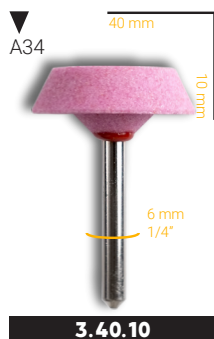
Priorize a segurança, sempre que trabalhar com abrasivos **use óculos de proteção, máscara e protetor auricular**.



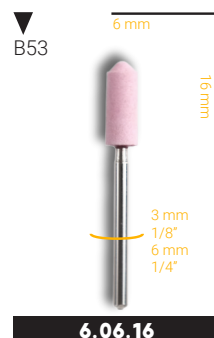
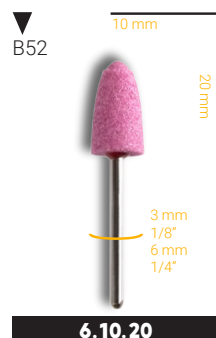
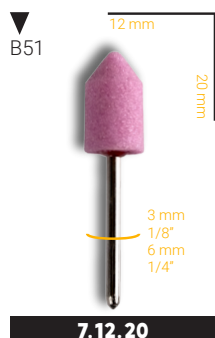
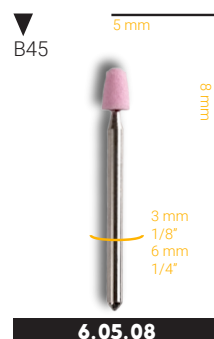
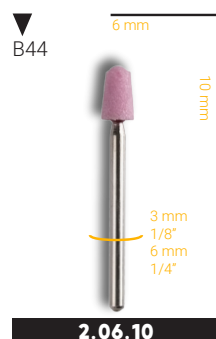
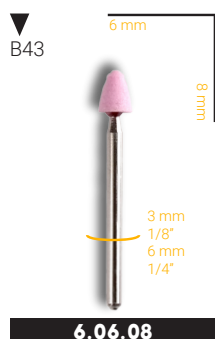
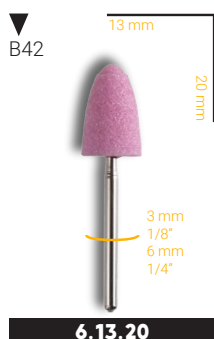
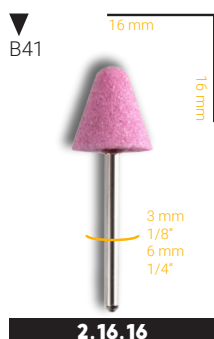


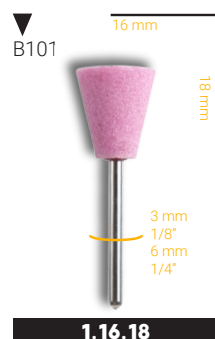
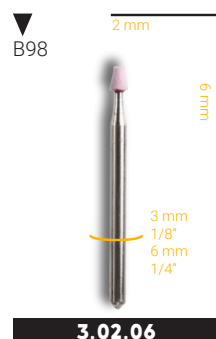
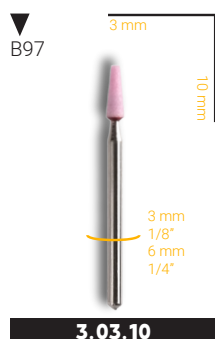
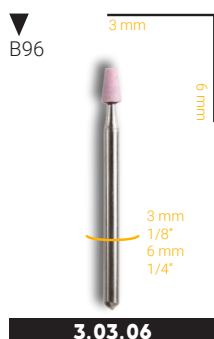
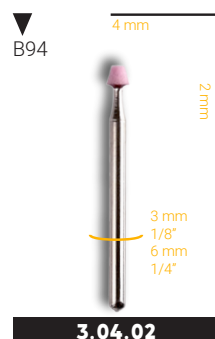
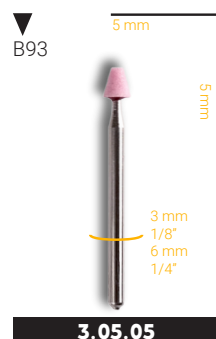
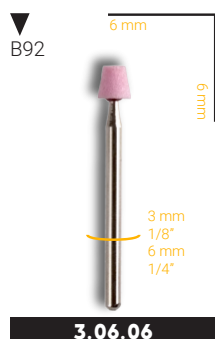
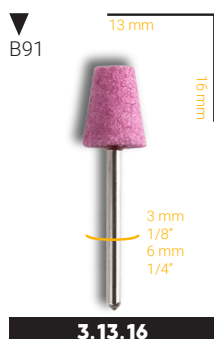
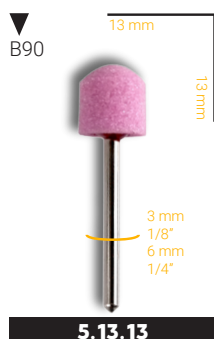
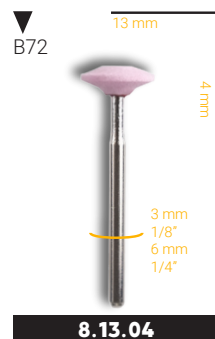
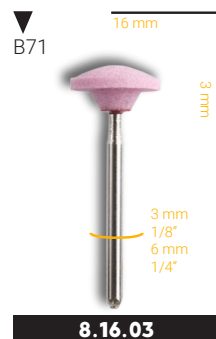
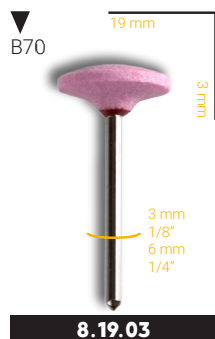
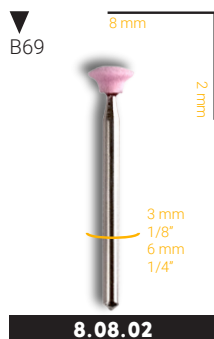
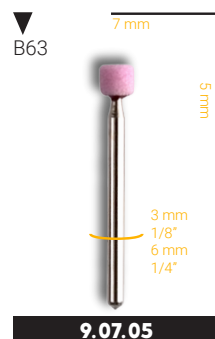
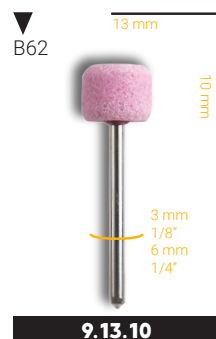
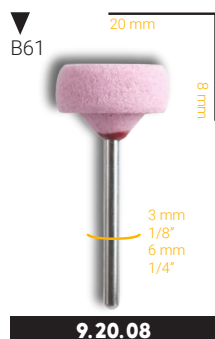
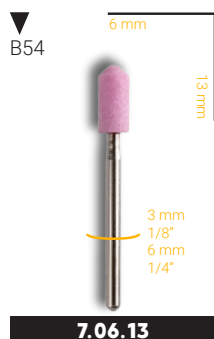
PONTAS ABRASIVAS TIPO A

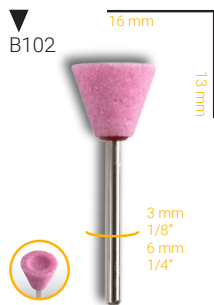




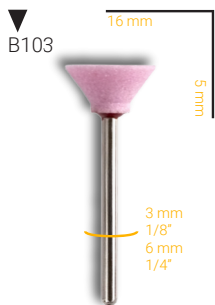
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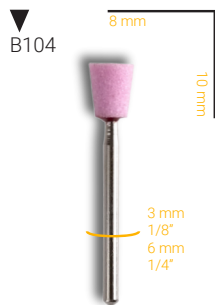




1.16.13 E



1.16.05



1.08.10



1.06.06



1.04.04



0.10.10



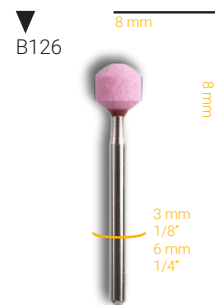
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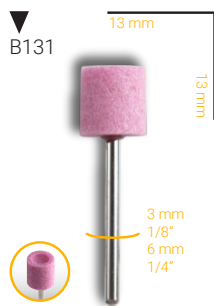
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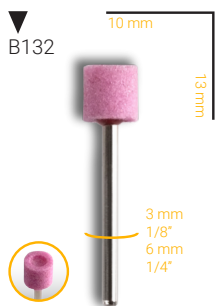
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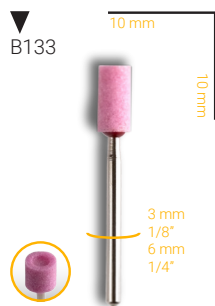
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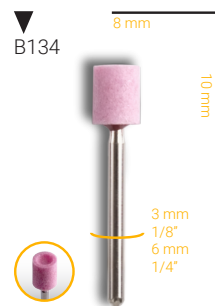
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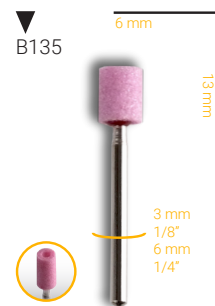
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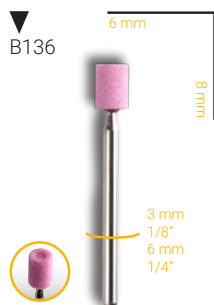
4.10.10 E



4.08.10 E



4.06.13 E



4.06.08 E



PONTAS ABRASIVAS TIPO C



4.25.40

Nomenclatura Internacional	Nomenclatura Schelble	Diâmetro Externo	Altura	3 mm	1/8"	6 mm	1/4"
C 145	4.04.10	4 mm	10 mm	•	•	•	•
C 146	4.04.12	4 mm	12 mm	•	•	•	•
C 149	4.04.06	4 mm	6 mm	•	•	•	•
C 152	4.05.06	5 mm	6 mm	•	•	•	•
C 153	4.05.10	5 mm	10 mm	•	•	•	•
C 154	4.05.13	5 mm	13 mm	•	•	•	•
C 160	4.06.06	6 mm	6 mm	•	•	•	•
C 161	4.06.08	6 mm	8 mm	•	•	•	•
C 162	4.06.10	6 mm	10 mm	•	•	•	•
C 163	4.06.13	6 mm	13 mm	•	•	•	•
C 164	4.06.20	6 mm	20 mm	•	•	•	•
C 168	4.08.08	8 mm	8 mm	•	•	•	•
C 169	4.08.10	8 mm	10 mm	•	•	•	•
C 170	4.08.12	8 mm	12 mm	•	•	•	•
C 171	4.08.20	8 mm	20 mm	•	•	•	•
C 173	4.10.04	10 mm	4 mm	•	•	•	•
C 174	4.10.06	10 mm	6 mm	•	•	•	•
C 175	4.10.10	10 mm	10 mm	•	•	•	•
C 176	4.10.13	10 mm	13 mm	•	•	•	•
C 177	4.10.20	10 mm	20 mm	•	•	•	•
C 178	4.10.25	10 mm	25 mm	•	•	•	•
C 179	4.10.32	10 mm	32 mm			•	•

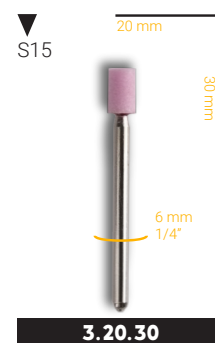
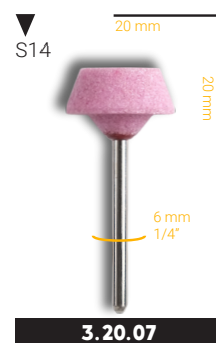
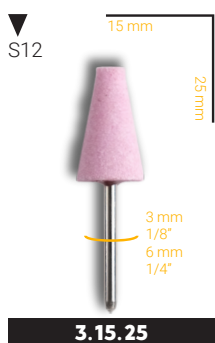
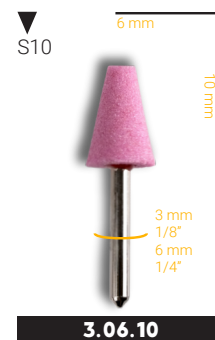
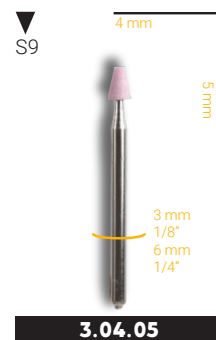
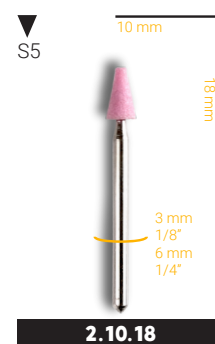
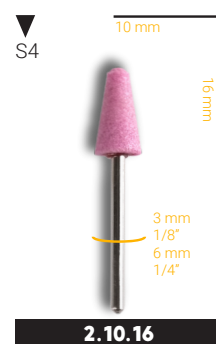
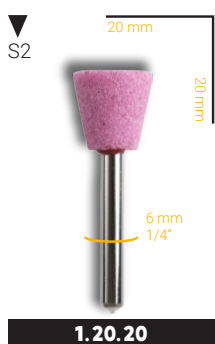
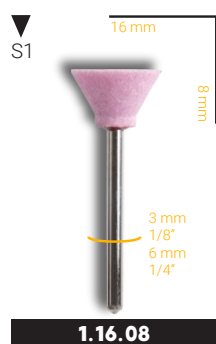


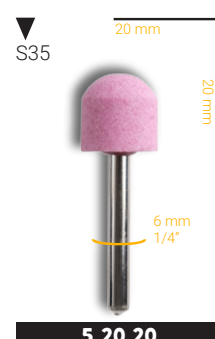
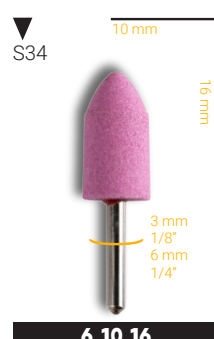
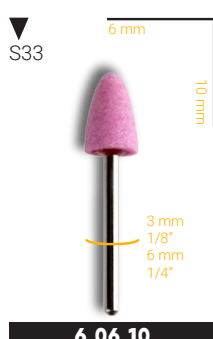
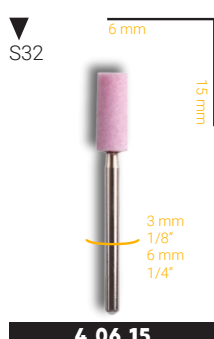
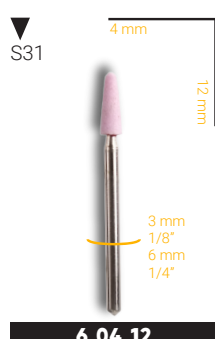
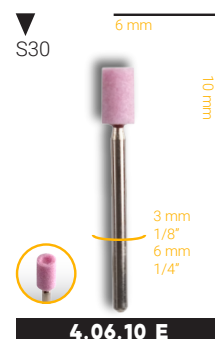
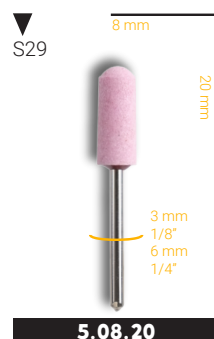
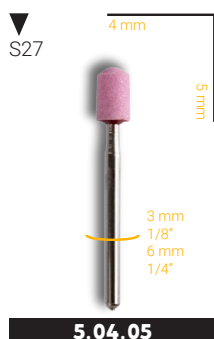
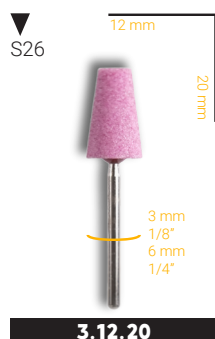
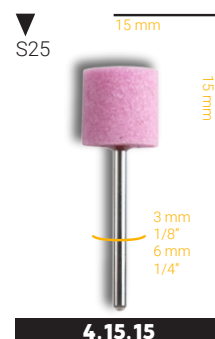
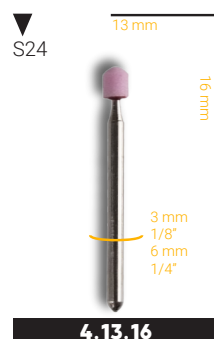
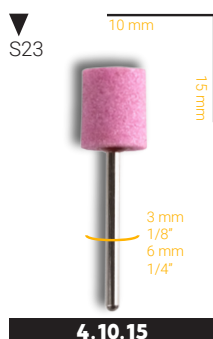
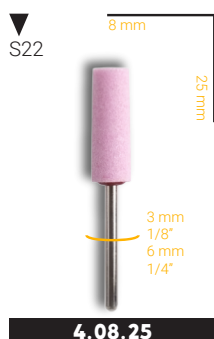
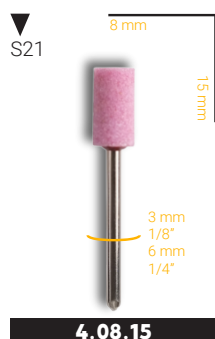
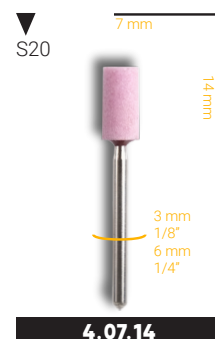
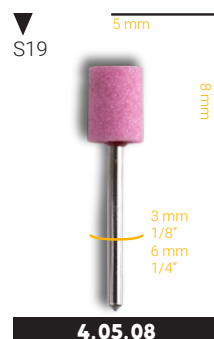
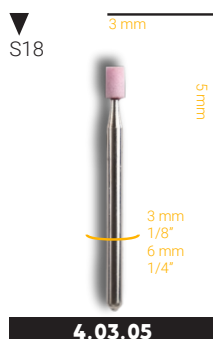
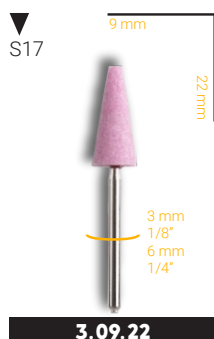
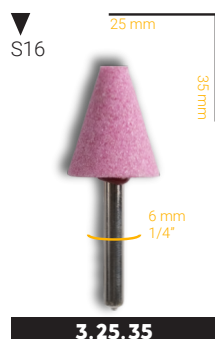
Nomenclatura Internacional	Nomenclatura Schelble	Diâmetro Externo	Altura	3 mm	1/8"	6 mm	1/4"
C 182	4.13.04	13 mm	4 mm	•	•	•	•
C 183	4.13.06	13 mm	6 mm	•	•	•	•
C 184	4.13.10	13 mm	10 mm	•	•	•	•
C 185	4.13.13	13 mm	13 mm	•	•	•	•
C 186	4.13.20	13 mm	20 mm	•	•	•	•
C 187	4.13.25	13 mm	25 mm	•	•	•	•
C 188	4.13.38	13 mm	38 mm			•	•
C 191	4.16.04	16 mm	4 mm	•	•	•	•
C 192	4.16.06	16 mm	6 mm	•	•	•	•
C 193	4.16.10	16 mm	10 mm	•	•	•	•
C 194	4.16.13	16 mm	13 mm	•	•	•	•
C 195	4.16.20	16 mm	20 mm	•	•	•	•
C 196	4.16.25	16 mm	25 mm	•	•	•	•
C 197	4.16.50	16 mm	50 mm			•	•
C 200	4.20.04	20 mm	4 mm	•	•	•	•
C 201	4.20.05	20 mm	5 mm	•	•	•	•
C 202	4.20.10	20 mm	10 mm	•	•	•	•
C 203	4.20.13	20 mm	13 mm	•	•	•	•
C 204	4.20.20	20 mm	20 mm			•	•
C 205	4.20.25	20 mm	25 mm			•	•
C 206	4.20.30	20 mm	30 mm			•	•
C 207	4.20.38	20 mm	38 mm			•	•
C 208	4.20.50	20 mm	50 mm			•	•
C 211	4.22.04	22 mm	4 mm	•	•	•	•
C 212	4.22.06	22 mm	6 mm	•	•	•	•
C 213	4.22.10	22 mm	10 mm	•	•	•	•
C 215	4.25.04	25 mm	4 mm	•	•	•	•
C 216	4.25.06	25 mm	6 mm	•	•	•	•
C 217	4.25.10	25 mm	10 mm			•	•

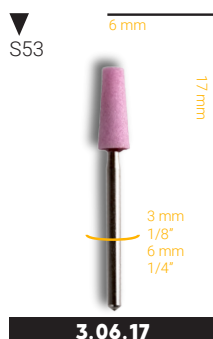
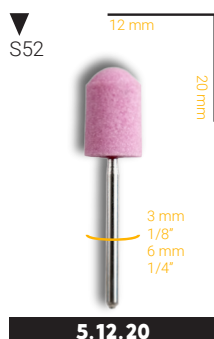
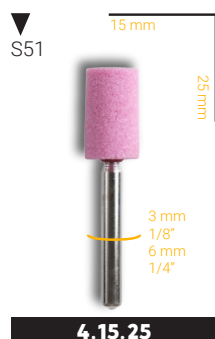
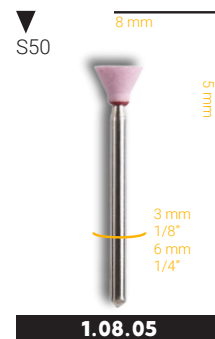
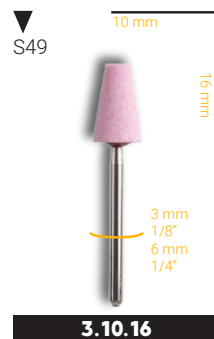
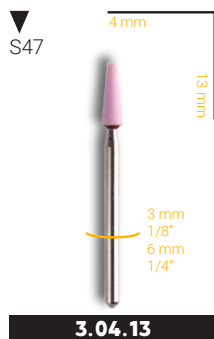
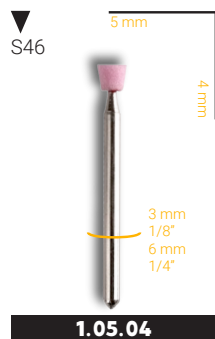
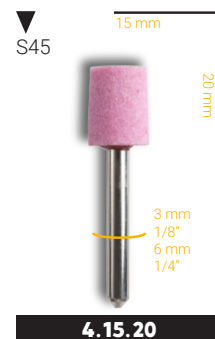
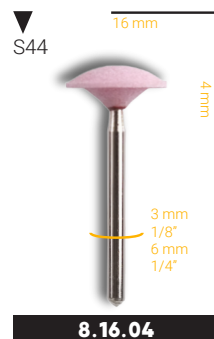
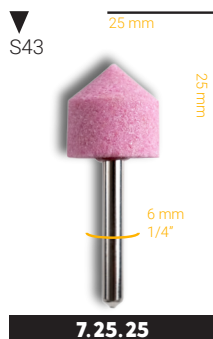
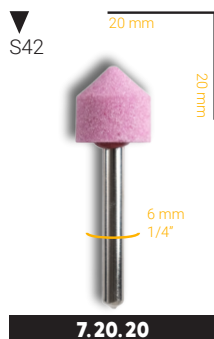
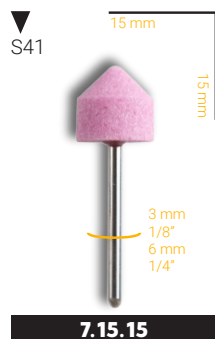
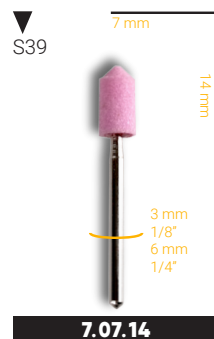
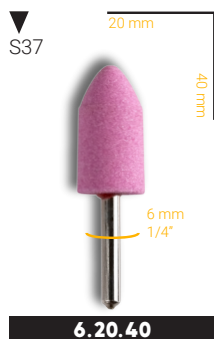


Nomenclatura Internacional	Nomenclatura Schelble	Diâmetro Externo	Altura	3 mm	1/8"	6 mm	1/4"
C 218	4.25.13	25 mm	13 mm			•	•
C 219	4.25.20	25 mm	20 mm			•	•
C 220	4.25.25	25 mm	25 mm			•	•
C 221	4.25.40	25 mm	40 mm			•	•

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