

**Hartmetall-Frässtifte**

Nach DIN 8032, zum Entgraten und Nachbearbeiten von Stahl, Grauguss, Schweißnähten, gehärteten und CrNi-Stählen. Schnittgeschwindigkeiten 450-600 m/min.

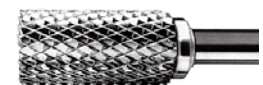
**Fraises-rotatives en métal dur**

Selon DIN 8032, pour l'ébavurage de l'acier, fonte grise, joints de soudure, alliages trempés et à forte teneur de CrNi. Vitesses de coupe 450-600 m/min.

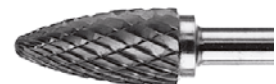
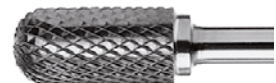


**Neu auch mit Zahnung für Aluminium!  
Nouveau avec denture pour alu disponible**

Nr./no.	Zahnung denture	Kopf/tête ø L		Schaft- ø ø queue	HM alt/anc.	Liste	Action
<b>Kugel, Form D (KUD)</b>				<b>Bille, forme D (KUD)</b>			
116052SA	Stahl/acier	3,0	2,7	3,0	<b>NEU</b>	19.00	<b>15.20</b>
116041SA	Stahl/acier	6,0	5,0	6,0	1-6-12	33.00	<b>26.00</b>
116141SA	<b>ALU</b>	6,0	5,0	6,0	<b>NEU</b>	31.50	<b>23.30</b>
116042SA	Stahl/acier	8,0	7,0	6,0	1-8-12	37.00	<b>29.60</b>
116043SA	Stahl/acier	10,0	9,0	6,0	1-10-12	43.50	<b>34.20</b>
116044SA	Stahl/acier	12,0	11,0	6,0	1-12-12	51.00	<b>39.00</b>
116144SA	<b>ALU</b>	12,0	11,0	6,0	<b>NEU</b>	62.50	<b>48.50</b>
116045SA	Stahl/acier	16,0	15,0	6,0	<b>NEU</b>	60.50	<b>48.00</b>
<b>Zylinder, Form A (ZYA)</b>				<b>Cylindre, forme A (ZYA)</b>			
116047SA	Stahl/acier	3,0	14,0	3,0	<b>NEU</b>	19.50	<b>15.60</b>
116015SA	Stahl/acier	6,0	18,0	6,0	21-6-12	34.00	<b>27.20</b>
116115SA	<b>ALU</b>	6,0	18,0	6,0	<b>NEU</b>	33.00	<b>25.50</b>
116016SA	Stahl/acier	8,0	18,0	6,0	21-8-12	37.50	<b>30.00</b>
116017SA	Stahl/acier	10,0	20,0	6,0	21-10-12	45.50	<b>36.40</b>
116018SA	Stahl/acier	12,0	25,0	6,0	21-12-12	60.50	<b>48.40</b>
116118SA	<b>ALU</b>	12,0	25,0	6,0	<b>NEU</b>	66.50	<b>51.50</b>
116019SA	Stahl/acier	16,0	25,0	6,0	<b>NEU</b>	79.50	<b>63.60</b>
<b>Walzenrund, Form C (WRC)</b>				<b>Cylindrique, bout rond, forme C</b>			
116048SA	Stahl/acier	3,0	14,0	3,0	<b>NEU</b>	19.50	<b>15.60</b>
116020SA	Stahl/acier	6,0	18,0	6,0	72-6-12	33.00	<b>26.40</b>
116120SA	<b>ALU</b>	6,0	18,0	6,0	<b>NEU</b>	34.00	<b>27.00</b>
116021SA	Stahl/acier	8,0	18,0	6,0	72-8-12	36.00	<b>28.60</b>
116022SA	Stahl/acier	10,0	20,0	6,0	72-10-12	45.50	<b>36.00</b>
116023SA	Stahl/acier	12,0	25,0	6,0	72-12-12	59.50	<b>47.60</b>
116123SA	<b>ALU</b>	12,0	25,0	6,0	<b>NEU</b>	66.50	<b>53.00</b>
116024SA	Stahl/acier	16,0	25,0	6,0	<b>NEU</b>	68.50	<b>54.80</b>
<b>Rundbogen, Form F (RBF)</b>				<b>Ogive, bout rond, forme F (RBF)</b>			
116050SA	Stahl/acier	3,0	13,0	3,0	<b>NEU</b>	19.50	<b>15.60</b>
116030SA	Stahl/acier	6,0	18,0	6,0	6006-6-12	34.50	<b>27.60</b>
116130SA	<b>ALU</b>	6,0	18,0	6,0	<b>NEU</b>	36.50	<b>29.20</b>
116031SA	Stahl/acier	8,0	18,0	6,0	<b>NEU</b>	36.00	<b>28.80</b>
116032SA	Stahl/acier	10,0	20,0	6,0	6006-10-12	43.50	<b>34.80</b>
116033SA	Stahl/acier	12,0	25,0	6,0	6006-12-12	60.50	<b>48.40</b>
116133SA	<b>ALU</b>	12,0	25,0	6,0	<b>NEU</b>	62.50	<b>50.00</b>
116034SA	Stahl/acier	16,0	25,0	6,0	<b>NEU</b>	72.00	<b>57.60</b>
<b>Spitzbogen, Form G (SPG)</b>				<b>Ogive, bout pointu, forme G (SPG)</b>			
116049SA	Stahl/acier	3,0	13,0	3,0	<b>NEU</b>	19.00	<b>15.20</b>
116025SA	Stahl/acier	6,0	18,0	6,0	78-6-12	34.50	<b>27.60</b>
116125SA	<b>ALU</b>	6,0	18,0	6,0	<b>NEU</b>	32.50	<b>26.00</b>
116026SA	Stahl/acier	8,0	18,0	6,0	78-8-12	36.50	<b>29.20</b>
116027SA	Stahl/acier	10,0	20,0	6,0	78-10-12	43.50	<b>34.80</b>
116028SA	Stahl/acier	12,0	20,0	6,0	78-12-12	52.50	<b>42.00</b>
116128SA	<b>ALU</b>	12,0	25,0	6,0	<b>NEU</b>	64.50	<b>50.00</b>
116029SA	Stahl/acier	16,0	25,0	6,0	<b>NEU</b>	77.50	<b>62.00</b>
<b>Spitzkegel, Form M (SKM)</b>				<b>Conique, bout pointu, forme M</b>			
116051SA	Stahl/acier	3,0	11,0	3,0	<b>NEU</b>	18.00	<b>14.40</b>
116035SA	Stahl/acier	6,0	18,0	6,0	460-6-12	33.00	<b>26.40</b>
116036SA	Stahl/acier	8,0	18,0	6,0	<b>NEU</b>	37.50	<b>30.00</b>
116037SA	Stahl/acier	10,0	20,0	6,0	460-10-12	43.50	<b>34.80</b>
116038SA	Stahl/acier	12,0	25,0	6,0	460-12-12	51.00	<b>40.80</b>
116039SA	Stahl/acier	16,0	25,0	6,0	<b>NEU</b>	68.00	<b>54.40</b>



**Mit Sitrverzahnung  
Coupe frontale**



**NEU**  
**Mit Titan-Carbon-Nitrid Beschichtung**  
**für hochlegierte, säure- und**  
**hitzebeständige Stähle lieferbar.**

**NOUVEAU**  
**Livrable avec un revêtement en**  
**carbonitride de titane pour des**  
**aciers alliés, réfractaires, inox.**