
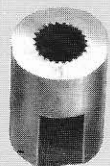
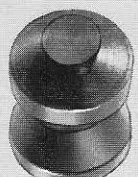

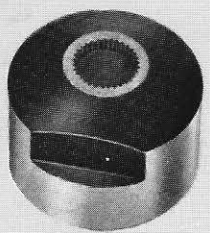


	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch	
Remaliner-Stempel LINE HOLE PUNCHES								
	Long life	158 000	4,0	$5/32$	7,92	$5/16$	13,2	.521
		158 080	4,0	$5/32$	7,92	$5/16$	13,2	.521
Remaliner-Matrizenbüchsen LINE HOLE DIES								
		180 000	4,0	$5/32$	7,92	$5/16$	11,4	.450
		276 000	5,5	$7/32$	7,92	$5/16$	11,4	.450
Abheft-Stempel FILE HOLE PUNCHES								
		245 055	5,5	$7/32$	12,65	$1/2$	16,0	.625
		245 003	3,0		12,65	$1/2$	16,0	.625
		245 004	4,0		12,65	$1/2$	16,0	.625
		245 006	6,0		12,65	$1/2$	16,0	.625
		245 635	6,35	$1/4$	12,65	$1/2$	16,0	.625
		245 007	7,0		12,65	$1/2$	16,0	.625
		245 008	8,0		12,65	$1/2$	16,0	.625
		245 010	10,0		12,65	$1/2$	16,0	.625
		245 127	12,7	$1/2$	12,65	$1/2$	16,0	.625
		245 855	5,5	$7/32$	12,65	$1/2$	16,0	.625
	Long life	250 200	5,5	$7/32$	9,52	$3/8$	12,0	.470
	Abheft-Matrizenbüchsen FILE HOLE DIES							
		280 055	5,5	$7/32$	17,45	$11/16$	9,93	.390
		280 003	3,0		17,45	$11/16$	9,93	.390
		280 004	4,0		17,45	$11/16$	9,93	.390
		280 006	6,0		17,45	$11/16$	9,93	.390
		280 635	6,35	$1/4$	17,45	$11/16$	9,93	.390
		280 007	7,0		17,45	$11/16$	9,93	.390
		280 008	8,0		17,45	$11/16$	9,93	.390
		280 010	10,0		17,45	$11/16$	9,93	.390
		280 127	12,7	$1/2$	17,45	$11/16$	9,93	.390

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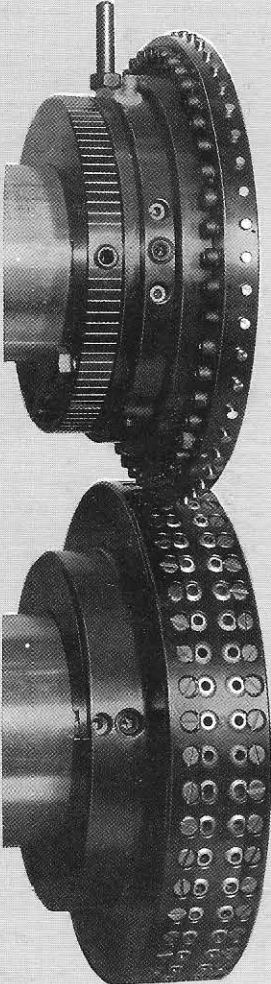




Werkzeug- und Maschinenbau

Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

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(070 42) 7 90-0

Telefax
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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. mm	Länge mm Length mm		
Remaliner-Stempel und -Büchsen für REMALINER-WERKZEUGE NEUE GENERATION LINE HOLE PUNCHES AND DIES for NEW GENERATION LINE HOLE TOOLS								
	Stempel PUNCHES							
		Hartmetall TUNGSTEN CARBIDE	143 000	4,0	$\frac{5}{32}$	4	$\frac{5}{32}$ "	19,3
		Long life	143 500	4,0	$\frac{5}{32}$	4	$\frac{5}{32}$ "	19,3
		TUNGSTEN HSS	128 600	4,0	$\frac{5}{32}$	4	$\frac{5}{32}$ "	19,3
	Büchsen DIES							
		Hartmetall TUNGSTEN CARBIDE	171 000	4,0	$\frac{5}{32}$	8	8	8
		Long life	171 500	4,0	$\frac{5}{32}$	8	8	8
		TUNGSTEN HSS	172 140	4,0	$\frac{5}{32}$	8	8	8
	Für Sonderlochung FOR SPECIAL PUNCHING							
	Stempel PUNCHES							
	Hartmetall TUNGSTEN CARBIDE	143 475	4,75	$\frac{3}{16}$	4	$\frac{5}{32}$ "	19,3	
	Long life	143 547	4,75	$\frac{3}{16}$	4	$\frac{5}{32}$ "	19,3	
Büchsen DIES								
	Hartmetall TUNGSTEN CARBIDE	171 475	4,75	$\frac{3}{16}$	8	8	8	
	Long life	171 547	4,75	$\frac{3}{16}$	8	8	8	

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Industriestraße 2

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für Anwender von Werkzeugen der »Neuen Generation«

Sie sparen Kosten und viel Zeit, wenn Sie die unten abgebildeten Hilfseinrichtungen Ihren Mitarbeitern an den Maschinen zur Verfügung stellen.

Büchsenzieher

können für festsitzende Stanzbüchsen bequem zum Abziehen aus dem Matrizenflansch verwendet werden.



R 627
Nr. 17 19 10

R 642
Nr. 17 19 00

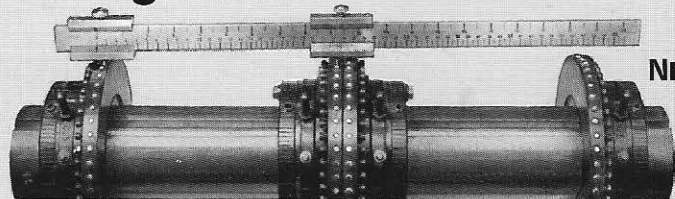
Drehmoment-Schlüssel

vermeidet bei richtiger Einstellung nach Skala, daß die Hartmetallstempel nicht bis zum Bruch angezogen werden.



R 626
Nr. 14 39 00

Meßgerät



Nr. 14 39 50
R 620

für schnelles und exaktes Einstellen der Querabstände Ihrer Werkzeuge für die Remaliner-Lochung. Ersetzt Ihnen das Maßband durch exaktes Ablesen des vorgegebenen Querabstandes.

Werkzeug-Set



Nr. 17 19 50
R 578

Nutzen Sie unsere Erfahrung.

Mit dem Werkzeugset haben Sie die notwendigen Hilfsmittel für das Abschmieren der Kugellager, die Sitzkontrolle für die Stempel mit dem Kupferhammer, die passenden Schlüssel im Etui, auch die Ersatzschrauben etc. Alles ist geordnet schnell zur Verfügung.

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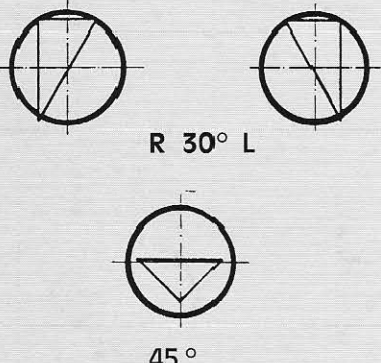
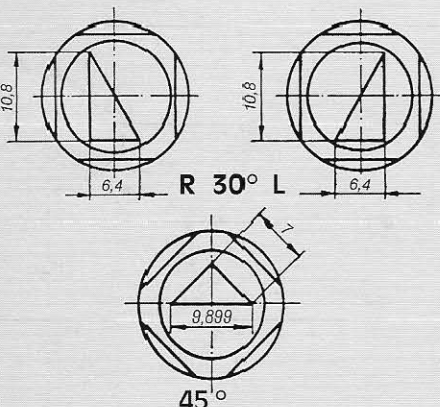
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D-7147 Eberdingen 3 (W.-Germany)

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(0 70 42) 7 90-0

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	Nummer Part-No.	Grad Degree	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Dreieckstempel TRIANGLE PUNCH Geben Sie bei Bestellung an, Stempel links oder rechts, 30° oder 45°. When ordering, state right or left punch 30° or 45°.	377 000 379 000 382 000	R 30 right L 30 left 45	12,65 12,65 12,65	1/2 1/2 1/2	16 16 16	.625 .625 .625
Stempel von oben PUNCH TOP VIEW 						
Dreieckbüchsen TRIANGLE DIES Geben Sie bei Bestellung an, Büchsen links oder rechts, 30° oder 45°. When ordering, state right or left dies 30° or 45°.	378 000 380 000 383 000	R 30 right L 30 left 45	17,45 17,45 17,45	11/16 11/16 11/16	9,93 9,93 9,93	.390 .390 .390
Büchse von oben DIES TOP VIEW 						

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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES 	132 000	4,0	$\frac{5}{32}$	4,0		20	
Remaliner-Matrizenbüchsen LINE HOLE DIES 	170 000	4,0	$\frac{5}{32}$	8,0		8,0	
UDM V-VII 	142 000	4,0	$\frac{5}{32}$	4,0		25	
Abheft-Stempel FILE HOLE PUNCHES 	230 100 239 100	5,5 5,5	$\frac{7}{32}$ $\frac{7}{32}$	5,5 5,5		22 25	
Auswechselbares Segment für Abheftlochung Interchangeable FILE HOLE DIE SEGMENT 	212 000	5,5	$\frac{7}{32}$				

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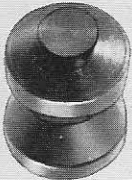

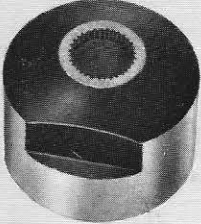

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	Nummer Part-No.	Loch- φ mm	Hole- Size inch	Außen- φ mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES							
	154 000	4,0	$\frac{5}{32}$	5,5	$\frac{7}{32}$	14,35	.562
	154 080	4,0	$\frac{5}{32}$	5,5	$\frac{7}{32}$	14,35	.562
Remaliner-Matrizenbüchsen LINE HOLE DIES							
	184 000	4,0	$\frac{5}{32}$	9,5	$\frac{3}{8}$	8,35	.329
	184 500*	4,0	$\frac{5}{32}$	9,5	$\frac{3}{8}$	8,35	.329
Abheft-Stempel FILE HOLE PUNCHES							
	245 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	245 003	3,0		12,65	$\frac{1}{2}$	16,0	.625
	245 004	4,0		12,65	$\frac{1}{2}$	16,0	.625
	245 006	6,0		12,65	$\frac{1}{2}$	16,0	.625
	245 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625
	245 007	7,0		12,65	$\frac{1}{2}$	16,0	.625
	245 008	8,0		12,65	$\frac{1}{2}$	16,0	.625
	245 010	10,0		12,65	$\frac{1}{2}$	16,0	.625
	245 127	12,7	$\frac{1}{2}$	12,65	$\frac{1}{2}$	16,0	.625
	245 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	247 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	15,2	.595
	247 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	15,2	.595
	247 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	15,2	.595
	248 000	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 080	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 100	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
Abheft-Matrizenbüchsen FILE HOLE DIES							
	280 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93	.390
	280 003	3,0		17,45	$\frac{11}{16}$	9,93	.390
	280 004	4,0		17,45	$\frac{11}{16}$	9,93	.390
	280 006	6,0		17,45	$\frac{11}{16}$	9,93	.390
	280 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	9,93	.390
	280 007	7,0		17,45	$\frac{11}{16}$	9,93	.390
	280 008	8,0		17,45	$\frac{11}{16}$	9,93	.390
	280 010	10,0		17,45	$\frac{11}{16}$	9,93	.390
	280 127	12,7	$\frac{1}{2}$	17,45	$\frac{11}{16}$	9,93	.390
	282 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	12,7	.500
	282 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	12,7	.500
	285 100	5,5	$\frac{7}{32}$	9,5	$\frac{3}{8}$	8,35	.329
	Hinterstochen Thick head						
							

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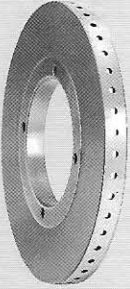
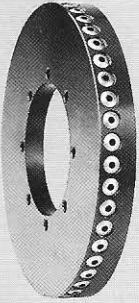
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Industriestraße 2
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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES für gezahnte Lochung serrated holes 	162 000	4	$\frac{5}{32}$	6		19,5	
	Long life 162 080	4	$\frac{5}{32}$	6		19,5	
	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Abwick- lung inch	Circum- ference inch	Boh- rung mm	Bore mm
Teller-Remaliner-Scheiben für gezahnte Lochung 22" Abwicklung, $\frac{1}{2}$ " Teilung REMALINER DISCS for serrated holes 22" circumference, pitch $\frac{1}{2}$ " 	einreihig single row 114 020	4	$\frac{5}{32}$	22	22	80	80
	doppelreihig double row 113 000	4	$\frac{5}{32}$	22	22	80	80
Untere Remaliner-Werkzeuge 22" Abwicklung, $\frac{1}{2}$ " Teilung mit auswechselbaren Remaliner-Matrizenbüchsen LINE HOLE DIE TOOLS 22" circumference, pitch $\frac{1}{2}$ " with interchangeable line hole dies 	einreihig single row 114 022	4	$\frac{5}{32}$	22	22	80	80
	doppelreihig double row 113 022	4	$\frac{5}{32}$	22	22	80	80

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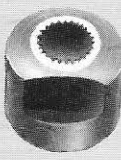

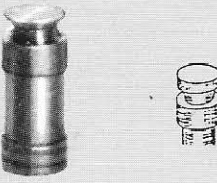
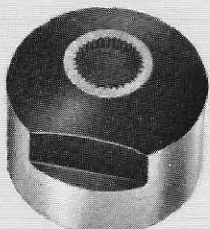
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 (0 70 42) 7007

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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES							
 <p>Long life</p>	154 000	4,0	$\frac{5}{32}$	5,5	$\frac{7}{32}$	14,35	.562
	154 080	4,0	$\frac{5}{32}$	5,5	$\frac{7}{32}$	14,35	.562
Remaliner-Matrizenbüchsen LINE HOLE DIES							
 <p>*glatte Lochung smooth perforation</p>	184 000	4,0	$\frac{5}{32}$	9,5	$\frac{3}{8}$	8,35	.329
	285 100	5,5	$\frac{7}{32}$	9,5	$\frac{3}{8}$	8,35	.329
	184 500*	4,0	$\frac{5}{32}$	9,5	$\frac{3}{8}$	8,35	.329
Abheft-Stempel FILE HOLE PUNCHES							
 <p>Long life</p>	247 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	15,2	.595
	247 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	15,2	.595
	247 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	15,2	.595
 <p>Long life Hinterstochen Thick Head</p>	248 000	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 080	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 100	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
Abheft-Matrizenbüchsen FILE HOLE DIES							
	282 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	12,7	.500
	282 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	12,7	.500

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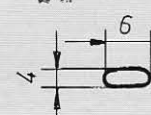



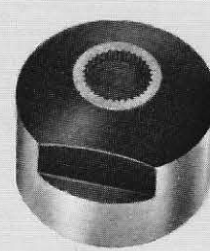
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Telefax
(070 42) 70 07

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	Nummer Part-No.	Loch- φ mm	Hole- Size inch	Außen- φ mm	Boddy- dia. inch	Länge mm	Length inch	
Remaliner-Stempel LINE HOLE PUNCHES								
	Standard	156 000	4,0	5/32	6,3	1/4	14,75	.580
		156 015	4,0	5/32	6,3	1/4	15,0	.590
		248 000	5,5	7/32	6,3	1/4	14,75	.580
	Long life	248 080	5,5	7/32	6,3	1/4	14,75	.580
		248 635	6,35	1/4	6,3	1/4	14,75	.580
	Long life	156 080	4,0	5/32	6,3	1/4	14,75	.580
	Long life	156 815	4,0	5/32	6,3	1/4	15,0	.590
	Hinterstochen Thick Head	157 020	4,0	5/32	6,3	1/4	15,0	.590
	Long life	157 820	4,0	5/32	6,3	1/4	15,0	.590
	Standard	156 406	4x6 oval		6,3	1/4	14,75	.580
	Long life	156 416	4x6 oblong		6,3	1/4	14,75	.580
	Hinterstochen Thick head	248 100	5,5	7/32	6,3	1/4	14,75	.580
Remaliner-Matrizenbüchsen LINE HOLE DIES								
		180 000	4,0	5/32	7,92	5/16	11,4	.450
	*glatte Lochung smooth holes	276 000	5,5	7/32	7,92	5/16	11,4	.450
		180 500*	4,0	5/32	7,92	5/16	11,4	.450
Abheft-Stempel FILE HOLE PUNCHES								
		245 055	5,5	7/32	12,65	1/2	16,0	.625
		245 003	3,0		12,65	1/2	16,0	.625
		245 004	4,0		12,65	1/2	16,0	.625
		245 006	6,0		12,65	1/2	16,0	.625
		245 635	6,35	1/4	12,65	1/2	16,0	.625
		245 007	7,0		12,65	1/2	16,0	.625
		245 008	8,0		12,65	1/2	16,0	.625
		245 010	10,0		12,65	1/2	16,0	.625
		245 127	12,7	1/2	12,65	1/2	16,0	.625
	Long life	245 855	5,5	7/32	12,65	1/2	16,0	.625
Abheft-Matrizenbüchsen FILE HOLE DIES								
		280 055	5,5	7/32	17,45	11/16	9,93	.390
		280 003	3,0		17,45	11/16	9,93	.390
		280 004	4,0		17,45	11/16	9,93	.390
		280 006	6,0		17,45	11/16	9,93	.390
		280 635	6,35	1/4	17,45	11/16	9,93	.390
		280 007	7,0		17,45	11/16	9,93	.390
		280 008	8,0		17,45	11/16	9,93	.390
		280 010	10,0		17,45	11/16	9,93	.390
		280 127	12,7	1/2	17,45	11/16	9,93	.390

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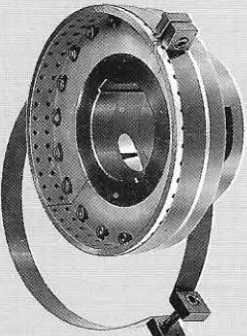


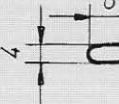



Werkzeug- und Maschinenbau

Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(0 70 42) 7 90-0

Telefax
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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Doppelreihige Tellerremaliner- scheiben, geteilte Ausführung DOUBLE ROW REMALINER DISCS SPLIT DESIGN 	110010	4,0	$\frac{5}{32}$	Mittel- abstand Center distance 12,0	Abwick- lung Circum- ference 24"	Bohrung Bore 120 mm	
Remaliner-Stempel LINE HOLE PUNCHES							
 ohne Kerbe without notch	128 000 Hochl. Qualität	4,0	$\frac{5}{32}$		19,3		
	128 500 Normal- stahl Qualität	4,0	$\frac{5}{32}$		19,3		
 Standard	156 000	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	156 015	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	156 080	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	156 815	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	156 406	4x6 oval		6,3	$\frac{1}{4}$	14,75	.580
 Long life	156 416	4x6 oblong		6,3	$\frac{1}{4}$	14,75	.580
	157 000	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,8	.583
	157 010	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,8	.583
	157 080	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,8	.583
 Hinterstochen Thick Head	157 020	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	157 820	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	157 110	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,8	.583
 SI / Standard							
Remaliner- Matrizenbüchsen LINE HOLE DIES							
 *glatte Lochung smooth perforation	182 000	4,0	$\frac{5}{32}$	10,12	.399	9,8	.385
	182 406	4x6	oval oblong	10,12	.399	9,8	.385
	182 500*	4,0	$\frac{5}{32}$	10,12	.399	9,8	.385
	277 006	6,0		10,12	.399	9,8	.385
	277 055	5,5	$\frac{7}{32}$	10,12	.399	9,8	.385
	277 635	6,35	$\frac{1}{4}$	10,12	.399	9,8	.385

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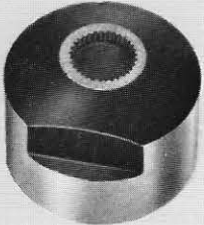
Werkzeug- und Maschinenbau

Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

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(0 70 42) 70 07

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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch	
Abheft-Stempel FILE HOLE PUNCHES								
	245 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625	
	245 003	3,0		12,65	$\frac{1}{2}$	16,0	.625	
	245 004	4,0		12,65	$\frac{1}{2}$	16,0	.625	
	245 006	6,0		12,65	$\frac{1}{2}$	16,0	.625	
	245 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625	
	245 007	7,0		12,65	$\frac{1}{2}$	16,0	.625	
	245 008	8,0		12,65	$\frac{1}{2}$	16,0	.625	
	245 010	10,0		12,65	$\frac{1}{2}$	16,0	.625	
	245 127	12,7	$\frac{1}{2}$	12,65	$\frac{1}{2}$	16,0	.625	
	245 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625	
	248 000	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580	
								
	Long life	248 080	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
		248 006	6,0		6,3		14,75	.580
		248 635	6,35	$\frac{1}{4}$	6,3	$\frac{1}{4}$	14,75	.580
	Hinterstochen Thick Head	248 100	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
Abheft-Matrizenbüchsen FILE HOLE DIES								
	280 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93	.390	
	280 003	3,0		17,45	$\frac{11}{16}$	9,93	.390	
	280 004	4,0		17,45	$\frac{11}{16}$	9,93	.390	
	280 006	6,0		17,45	$\frac{11}{16}$	9,93	.390	
	280 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	9,93	.390	
	280 007	7,0		17,45	$\frac{11}{16}$	9,93	.390	
	280 008	8,0		17,45	$\frac{11}{16}$	9,93	.390	
	280 010	10,0		17,45	$\frac{11}{16}$	9,93	.390	
	280 127	12,7	$\frac{1}{2}$	17,45	$\frac{11}{16}$	9,93	.390	

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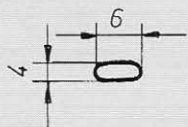
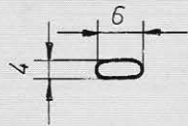
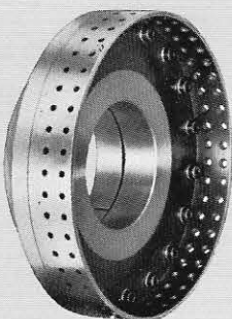
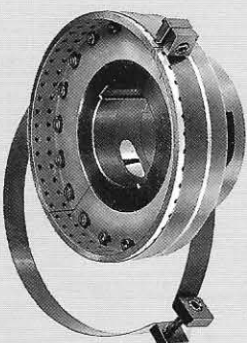
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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Länge Length mm	Umfang Circum- ference inch	Teilung Pitch inch	Boh- rung Bore mm
Remaliner-Stempel LINE HOLE PUNCHES							
 	125 000	4,0	$\frac{5}{32}$	15,65			
	127 000	4,0	$\frac{5}{32}$	16,0			
	127 406	4x6 oval oblong		16,0			
Einreihige Tellerlochscheiben für OVAL-LOCHUNG 4 x 6 mm SINGLE ROW PLATE DISCS OBLONG 4 x 6 mm							
	111 406	4 x 6 oval oblong	4 x 6 oblong		24	$\frac{1}{2}$	120
Doppelreihige Tellerremaliner- scheiben, einteilige Ausführung DOUBLE ROW REMALINER DISCS ONE PIECE DESIGN							
	111 000	4,0	$\frac{5}{32}$	12,0	24	$\frac{1}{2}$	120
	111 127	4,0	$\frac{5}{32}$	12,7	24	$\frac{1}{2}$	120
	111 140	4,0	$\frac{5}{32}$	12,0	24	$\frac{1}{2}$	140
	111 274	4,0	$\frac{5}{32}$	12,7	24	$\frac{1}{2}$	140
Geteilte Ausführung SPLIT DESIGN							
	110 010	4,0	$\frac{5}{32}$	12,0	24	$\frac{1}{2}$	120
	110 127	4,0	$\frac{5}{32}$	12,7	24	$\frac{1}{2}$	120
	110 140	4,0	$\frac{5}{32}$	12,0	24	$\frac{1}{2}$	140
	110 274	4,0	$\frac{5}{32}$	12,7	24	$\frac{1}{2}$	140

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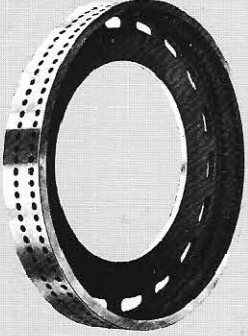

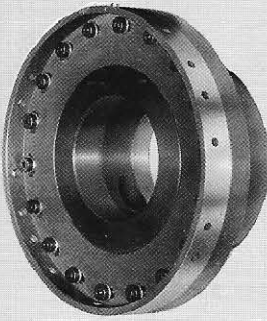
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D-7147 Eberdingen 3 (W.-Germany)

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(0 70 42) 70 07

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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Länge Length mm	Umfang circum- ference inch	Teilung pitch inch	Boh- rung bore mm
Doppelreihige Teller-Remaliner- scheiben einteilige Ausführung 1/4" Umfangsteilung DOUBLE ROW REMALINER DISCS ONE PIECE DESIGN 1/4" 	112000	4,0	5/32	12,0	24	1/4	120
	112127	4,0	5/32	12,7	24	1/4	120
	112140	4,0	5/32	12,0	24	1/4	140
	112274	4,0	5/32	12,7	24	1/4	140
					Mittel- abstand center distance		
Abheft-Stempel FILE HOLE PUNCHES 	221000	5,5	7/32	15,65			
	222000	5,5	7/32	16,0			
Einreihige Teller-Abheftloch- scheiben einteilige Ausführung SINGLE ROW FILE HOLE DISCS ONE PIECE DESIGN 	200001	5,5	7/32		24	4", 6", 8", 12"	120
	200002	5,5	7/32		24	4", 6", 8", 12"	120

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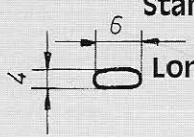



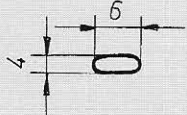
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		Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES								
	Standard	156000	4,0	$5/32$	6,3	$1/4$	14,75	.580
		156015	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Long life	156080	4,0	$5/32$	6,3	$1/4$	14,75	.580
	Long life	156815	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Standard	156406	4 x 6 oval		6,3	$1/4$	14,75	.580
	Long life	156416	4 x 6 oblong		6,3	$1/4$	14,75	.580
		157000	4,0	$5/32$	6,3	$1/4$	14,8	.583
	SI	157010	4,0	$5/32$	6,3	$1/4$	14,8	.583
	Long life	157080	4,0	$5/32$	6,3	$1/4$	14,8	.583
	Hinterstochen Thick Head	157020	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Long life	157820	4,0	$5/32$	6,3	$1/4$	15,0	.590
	SI/Standard	157110	4,0	$5/32$	6,3	$1/4$	14,8	.583
Remaliner-Matrizenbüchsen LINE HOLE DIES								
		182000	4,0	$5/32$	10,12	.399	9,8	.385
		182406	4 x 6 oval/ oblong		10,12	.399	9,8	.385
	*glatte Lochung smooths holes	182500*	4,0	$5/32$	10,12	.399	9,8	.385
		277006	6,0		10,12	.399	9,8	.385
		277055	5,5	$7/32$	10,12	.399	9,8	.385
		277635	6,35	$1/4$	10,12	.399	9,8	.385

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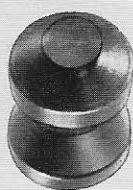


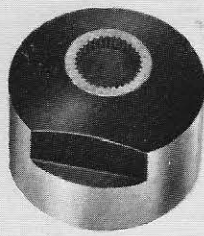
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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Abheft-Stempel FILE HOLE PUNCHES							
	245 055	5,5	7/32	12,65	1/2	16,0	.625
	245 003	3,0		12,65	1/2	16,0	.625
	245 004	4,0		12,65	1/2	16,0	.625
	245 006	6,0		12,65	1/2	16,0	.625
	245 635	6,35	1/4	12,65	1/2	16,0	.625
	245 007	7,0		12,65	1/2	16,0	.625
	245 008	8,0		12,65	1/2	16,0	.625
	245 010	10,0		12,65	1/2	16,0	.625
	245 127	12,7	1/2	12,65	1/2	16,0	.625
	245 855	5,5	7/32	12,65	1/2	16,0	.625
	Long life						
	248 000	5,5	7/32	6,3	1/4	14,75	.580
	248 080	5,5	7/32	6,3	1/4	14,75	.580
	248 006	6,0		6,3	1/4	14,75	.580
	248 635	6,35	1/4	6,3	1/4	14,75	.580
	Long life						
	Hinterstochen Thick Head						
	248 100	5,5	7/32	6,3	1/4	14,75	.580
Abheft-Matrizenbüchsen FILE HOLE DIES							
	280 055	5,5	7/32	17,45	11/16	9,93	.390
	280 003	3,0		17,45	11/16	9,93	.390
	280 004	4,0		17,45	11/16	9,93	.390
	280 006	6,0		17,45	11/16	9,93	.390
	280 635	6,35	1/4	17,45	11/16	9,93	.390
	280 007	7,0		17,45	11/16	9,93	.390
	280 008	8,0		17,45	11/16	9,93	.390
	280 010	10,0		17,45	11/16	9,93	.390
	280 127	12,7	1/2	17,45	11/16	9,93	.390

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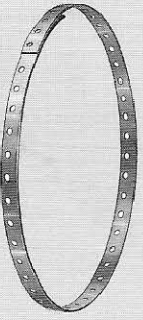


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		Nummer Part-No.	Loch- ϕ mm	Hole Size inch	Umfang circum- ference inch	Länge Length mm
Matrizenbänder für Remalinerlochung MATRIX BANDS FOR LINE HOLE						
	black	104010	4,0	$\frac{5}{32}$	24"	
	HSS longlife	104020	4,0	$\frac{5}{32}$	24"	
	Permo-Bond	104040	4,0	$\frac{5}{32}$	24"	
Remaliner-Stempel LINE HOLE PUNCHES						
	ohne Kerbe without notch	128000 Hochl. Qualität	4,0 Superieur Quality	$\frac{5}{32}$		19,3
	ohne Kerbe without notch	128500 Normalstahl Qualität	4,0 Standard Quality	$\frac{5}{32}$		19,3
	mit Kerbe with notch	129000	4,0	$\frac{5}{32}$		19,3

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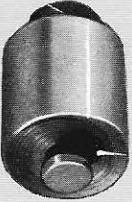


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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen-Ø Body-dia mm	Länge Length mm	
Abheftstempel FILE HOLE PUNCHES						
	gehärtet hardened	234 000	5,5	$\frac{7}{32}$	10	23,0
		234 004	4,0	$\frac{5}{32}$	10	23,0
		234 006	6,0		10	23,0
		234 007	7,0		10	23,0
		234 008	8,0		10	23,0
		234 009	9,0		10	23,0
		234 010	10,0		10	23,0
	gehärtet hardened	236 000	5,5	$\frac{7}{32}$	14	23,0
		236 003	3,0		14	23,0
		236 004	4,0	$\frac{5}{32}$	14	23,0
		236 005	5,0		14	23,0
		236 006	6,0		14	23,0
		236 635	6,35	$\frac{1}{4}$	14	23,0
		236 007	7,0		14	23,0
		236 008	8,0		14	23,0
		236 009	9,0		14	23,0
		236 010	10,0		14	23,0
	ungehärtet unhardened	238 055	5,5	$\frac{7}{32}$	14	23,0
		238 004	4,0		14	23,0
		238 005	5,0		14	23,0
		238 006	6,0		14	23,0
		238 007	7,0		14	23,0
	ungehärtet unhardened	244 000	5,5	$\frac{7}{32}$	14	23,0
		244 006	6,0		14	23,0
	konischer Kopf conic head	244 635	6,35	$\frac{1}{4}$	14	23,0
		244 007	7,0		14	23,0
	231 000	5,5	$\frac{7}{32}$	5,5	23,0	

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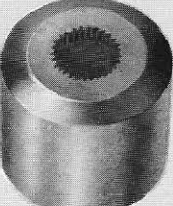
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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen-∅ Body-dia mm	Länge Length mm
Matrizenbüchsen FILE HOLE DIES					
	mit Fläche with notch	270 100	5,5	$7/32$	13,0
	ohne Fläche without notch	270 000	5,5	$7/32$	13,0
		271 000	5,5	$7/32$	11,0
		275 000	5,5	$7/32$	11,0
		272 000	5,5	$7/32$	11,0
Abheft-Matrizenbüchsen FILE HOLE DIES					
		273 055	5,5	$7/32$	13,0
		273 003	3,0		13,0
		273 004	4,0	$5/32$	13,0
		273 005	5,0		13,0
		273 006	6,0		13,0
		273 635	6,35	$1/4$	13,0
		273 007	7,0		13,0
		273 008	8,0		13,0
		273 009	9,0		13,0
		273 010	10,0		13,0
	Long life	273 955	5,5	$7/32$	13,0
Matrizenbüchsen FILE HOLE DIES					
		279 000*	5,5	$7/32$	13,0
	gezahnt serrated	279 006	6,0		13,0
		279 635*	6,35	$1/4$	13,0

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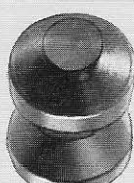
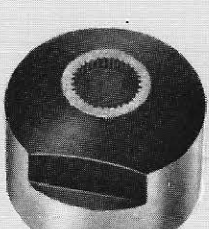
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		Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES 	Standard	156 000	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,75	.580
		156 015	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
		248 000	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	Long life	248 080	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
		248 635	6,35	$\frac{1}{4}$	6,3	$\frac{1}{4}$	14,75	.580
	Long life	156 080	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,75	.580
		156 815	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	Hinterstochen Thick Head	157 020	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	Long life	157 820	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	Standard	156 406	4x6 oval		6,3	$\frac{1}{4}$	14,75	.580
	Long life	156 416	4x6 oblong		6,3	$\frac{1}{4}$	14,75	.580
	Hinterstochen Thick Head	248 100	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
Remaliner-Matrizenbüchsen LINE HOLE DIES 		180 000	4,0	$\frac{5}{32}$	7,92	$\frac{5}{16}$	11,4	.450
		276 000	5,5	$\frac{7}{32}$	7,92	$\frac{5}{16}$	11,4	.450
	glatte Lochung smooth holes	180 500	4,0	$\frac{5}{32}$	7,92	$\frac{5}{16}$	11,4	.450
Abheft-Stempel FILE HOLE PUNCHES 		245 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
		245 003	3,0		12,65	$\frac{1}{2}$	16,0	.625
		245 004	4,0		12,65	$\frac{1}{2}$	16,0	.625
		245 006	6,0		12,65	$\frac{1}{2}$	16,0	.625
		245 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625
		245 007	7,0		12,65	$\frac{1}{2}$	16,0	.625
		245 008	8,0		12,65	$\frac{1}{2}$	16,0	.625
		245 010	10,0		12,65	$\frac{1}{2}$	16,0	.625
		245 127	12,7	$\frac{1}{2}$	12,65	$\frac{1}{2}$	16,0	.625
	Long life	245 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	GRAPHA-PRONTO	250 500	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	14,75	.580
	Abheft-Matrizenbüchsen FILE HOLE DIES 		280 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93
		280 003	3,0		17,45	$\frac{11}{16}$	9,93	.390
		280 004	4,0		17,45	$\frac{11}{16}$	9,93	.390
		280 006	6,0		17,45	$\frac{11}{16}$	9,93	.390
		280 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	9,93	.390
		280 007	7,0		17,45	$\frac{11}{16}$	9,93	.390
		280 008	8,0		17,45	$\frac{11}{16}$	9,93	.390
		280 010	10,0		17,45	$\frac{11}{16}$	9,93	.390
		280 127	12,7	$\frac{1}{2}$	17,45	$\frac{11}{16}$	9,93	.390

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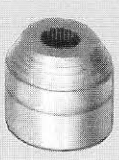

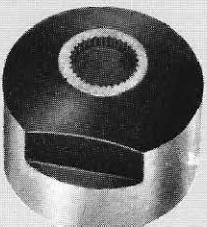
Werkzeug- und Maschinenbau

Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(0 70 42) 7 90-0

Telefax
(0 70 42) 70 07

Telex ✉
7 263 824 d

	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES 	Long life 160 000 160 080	4,0	$\frac{5}{32}$	5,5	$\frac{7}{32}$	19,9	.800
		4,0	$\frac{5}{32}$	5,5	$\frac{7}{32}$	19,9	.800
Remaliner-Matrizenbüchsen LINE HOLE DIES 	185 000	4,0	$\frac{5}{32}$	11,08	$\frac{3}{8}$	9,55	.375
	185 100	4,0	$\frac{5}{32}$	11,08	$\frac{3}{8}$	9,55	.375
Abheft-Stempel FILE HOLE PUNCHES 	250 500	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	14,75	.580
Abheft-Matrizenbüchsen FILE HOLE DIES 	280 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93	.390

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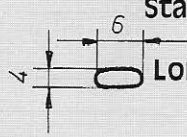




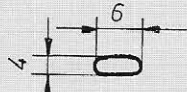
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D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(0 70 42) 7 90-0

Telefax
(0 70 42) 70 07

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		Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES								
	Standard	156000	4,0	$5/32$	6,3	$1/4$	14,75	.580
		156015	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Long life	156080	4,0	$5/32$	6,3	$1/4$	14,75	.580
	Long life	156815	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Standard	156406	4 x 6 oval		6,3	$1/4$	14,75	.580
	Long life	156416	4 x 6 oblong		6,3	$1/4$	14,75	.580
		157000	4,0	$5/32$	6,3	$1/4$	14,8	.583
	SI	157010	4,0	$5/32$	6,3	$1/4$	14,8	.583
	Long life	157080	4,0	$5/32$	6,3	$1/4$	14,8	.583
	Hinterstochen Thick Head	157020	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Long life	157820	4,0	$5/32$	6,3	$1/4$	15,0	.590
	SI/Standard	157110	4,0	$5/32$	6,3	$1/4$	14,8	.583
	*Stempel nur für Kugelschnellspannsystem Punches only for spring loaded ball quick-change-system	161045*	4,0 Turned groove	$5/32$	5,5	$7/32$	14,35	.562
		Einstich 4,5 mm	4,5 mm					
		161035*	4,0 Turned groove	$5/32$	5,5	$7/32$	14,35	.562
		Einstich 3,5 mm	3,5 mm					
Remaliner-Matrizenbüchsen LINE HOLE DIES								
		182000	4,0	$5/32$	10,12	.399	9,8	.385
		182406	4 x 6 oval/ oblong		10,12	.399	9,8	.385
		182500*	4,0	$5/32$	10,12	.399	9,8	.385
		277006	6,0		10,12	.399	9,8	.385
		277055	5,5	$7/32$	10,12	.399	9,8	.385
	277635	6,35	$1/4$	10,12	.399	9,8	.385	
*glatte Lochung smooth holes								

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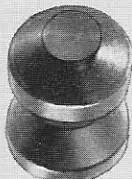


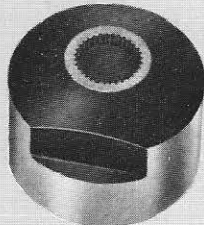
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D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(070 42) 7 90-0

Telefax
(070 42) 70 07

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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Abheft-Stempel FILE HOLE PUNCHES							
	245 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	245 003	3,0		12,65	$\frac{1}{2}$	16,0	.625
	245 004	4,0		12,65	$\frac{1}{2}$	16,0	.625
	245 006	6,0		12,65	$\frac{1}{2}$	16,0	.625
	245 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625
	245 007	7,0		12,65	$\frac{1}{2}$	16,0	.625
	245 008	8,0		12,65	$\frac{1}{2}$	16,0	.625
	245 010	10,0		12,65	$\frac{1}{2}$	16,0	.625
	245 127	12,7	$\frac{1}{2}$	12,65	$\frac{1}{2}$	16,0	.625
	245 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
Long life							
	248 000	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 080	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 006	6,0		6,3	$\frac{1}{4}$	14,75	.580
	248 635	6,35	$\frac{1}{4}$	6,3	$\frac{1}{4}$	14,75	.580
	248 100	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
 Hinterstochen Thick Head							
Abheft-Matrizenbüchsen FILE HOLE DIES							
	280 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93	.390
	280 003	3,0		17,45	$\frac{11}{16}$	9,93	.390
	280 004	4,0		17,45	$\frac{11}{16}$	9,93	.390
	280 006	6,0		17,45	$\frac{11}{16}$	9,93	.390
	280 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	9,93	.390
	280 007	7,0		17,45	$\frac{11}{16}$	9,93	.390
	280 008	8,0		17,45	$\frac{11}{16}$	9,93	.390
	280 010	10,0		17,45	$\frac{11}{16}$	9,93	.390
	280 127	12,7	$\frac{1}{2}$	17,45	$\frac{11}{16}$	9,93	.390

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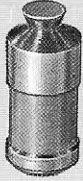

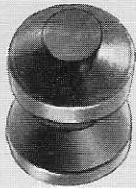
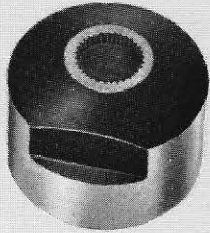
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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES							
	164000	4,0	$\frac{5}{32}$	7,92	$\frac{5}{16}$	17,93	.706
Remaliner-Matrizenbüchsen LINE HOLE DIES							
	186000	4,0	$\frac{5}{32}$	7,92	$\frac{5}{16}$	14,42	.562
Abheft-Stempel FILE HOLE PUNCHES							
	245055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	245003	3,0		12,65	$\frac{1}{2}$	16,0	.625
	245004	4,0		12,65	$\frac{1}{2}$	16,0	.625
	245006	6,0		12,65	$\frac{1}{2}$	16,0	.625
	245635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625
	245007	7,0		12,65	$\frac{1}{2}$	16,0	.625
	245008	8,0		12,65	$\frac{1}{2}$	16,0	.625
	245010	10,0		12,65	$\frac{1}{2}$	16,0	.625
	245127	12,7	$\frac{1}{2}$	12,65	$\frac{1}{2}$	16,0	.625
Long life	245855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
Abheft-Matrizenbüchsen FILE HOLE DIES							
	280055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93	.390
	280003	3,0		17,45	$\frac{11}{16}$	9,93	.390
	280004	4,0		17,45	$\frac{11}{16}$	9,93	.390
	280006	6,0		17,45	$\frac{11}{16}$	9,93	.390
	280635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	9,93	.390
	280007	7,0		17,45	$\frac{11}{16}$	9,93	.390
	280008	8,0		17,45	$\frac{11}{16}$	9,93	.390
	280010	10,0		17,45	$\frac{11}{16}$	9,93	.390
	280127	12,7	$\frac{1}{2}$	17,45	$\frac{11}{16}$	9,93	.390

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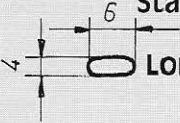



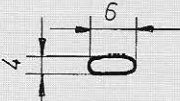

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D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(07042) 790-0

Telefax
(07042) 7007

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		Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES								
	Standard	156000	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,75	.580
		156015	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	Long life	156080	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	Long life	156815	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	Standard	156406	4 x 6 oval		6,3	$\frac{1}{4}$	14,75	.580
	Long life	156416	4 x 6 oblong		6,3	$\frac{1}{4}$	14,75	.580
		157000	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,8	.583
	SI	157010	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,8	.583
	Long life	157080	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,8	.583
	Hinterstochen Thick Head	157020	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	Long life	157820	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	15,0	.590
	SI/Standard	157110	4,0	$\frac{5}{32}$	6,3	$\frac{1}{4}$	14,8	.583
Remaliner-Matrizenbüchsen LINE HOLE DIES								
		180000	4,0	$\frac{5}{32}$	7,92	$\frac{5}{16}$	11,4	.450
		180500*	4,0	$\frac{5}{32}$	7,92	$\frac{5}{16}$	11,4	.450
		182000	4,0	$\frac{5}{32}$	10,12	.399	9,8	.385
		182406	4 x 6 oval/ oblong		10,12	.399	9,8	.385
	glatte Lochung smooth holes	182500	4,0	$\frac{5}{32}$	10,12	.399	9,8	.385
								

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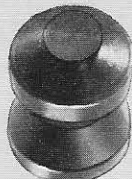


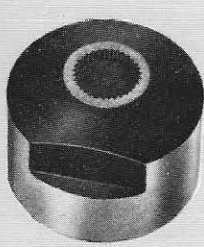

Werkzeug- und Maschinenbau

Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(070 42) 7 90-0

Telefax
(070 42) 70 07

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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Abheft-Stempel FILE HOLE PUNCHES							
	245 055	5,5	7/32	12,65	1/2	16,0	.625
	245 003	3,0		12,65	1/2	16,0	.625
	245 004	4,0		12,65	1/2	16,0	.625
	245 006	6,0		12,65	1/2	16,0	.625
	245 635	6,35	1/4	12,65	1/2	16,0	.625
	245 007	7,0		12,65	1/2	16,0	.625
	245 008	8,0		12,65	1/2	16,0	.625
	245 010	10,0		12,65	1/2	16,0	.625
	245 127	12,7	1/2	12,65	1/2	16,0	.625
	245 855	5,5	7/32	12,65	1/2	16,0	.625
	Long life						
	248 000	5,5	7/32	6,3	1/4	14,75	.580
	248 080	5,5	7/32	6,3	1/4	14,75	.580
	248 006	6,0		6,3	1/4	14,75	.580
	248 635	6,35	7/32	6,3	1/4	14,75	.580
	Long life						
	248 100	5,5	1/4	6,3	1/4	14,75	.580
		Hinterstochen Thick Head					
Abheft-Matrizenbüchsen FILE HOLE DIES							
	280 055	5,5	7/32	17,45	11/16	9,93	.390
	280 003	3,0		17,45	11/16	9,93	.390
	280 004	4,0		17,45	11/16	9,93	.390
	280 006	6,0		17,45	11/16	9,93	.390
	280 635	6,35	1/4	17,45	11/16	9,93	.390
	280 007	7,0		17,45	11/16	9,93	.390
	280 008	8,0		17,45	11/16	9,93	.390
	280 010	10,0		17,45	11/16	9,93	.390
	280 127	12,7	1/2	17,45	11/16	9,93	.390
		277 006	6,0		10,12	.399	9,8
277 055		5,5	7/32	10,12	.399	9,8	.385
277 635		6,35	1/4	10,12	.399	9,8	.385

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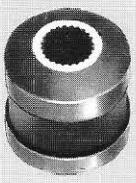
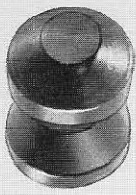
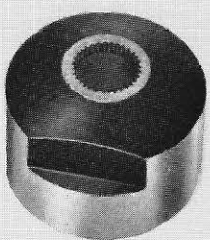
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Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(0 70 42) 7 90-0

Telefax
(0 70 42) 70 07

Telex ✉
7 263 824 d

	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES 	Long life 158000 158080	4,0	$\frac{5}{32}$	7,92	$\frac{5}{16}$	13,2	.521
		4,0	$\frac{5}{32}$	7,92	$\frac{5}{16}$	13,2	.521
Remaliner-Matrizenbüchsen LINE HOLE DIES 	182000	4,0	$\frac{5}{32}$	10,12	.399	9,8	.385
	glatte Lochung smooth holes	182500	4,0	$\frac{5}{32}$	10,12	.399	9,8
Abheft-Stempel FILE HOLE PUNCHES 	245055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	245003	3,0		12,65	$\frac{1}{2}$	16,0	.625
	245004	4,0		12,65	$\frac{1}{2}$	16,0	.625
	245006	6,0		12,65	$\frac{1}{2}$	16,0	.625
	245635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625
	245007	7,0		12,65	$\frac{1}{2}$	16,0	.625
	245008	8,0		12,65	$\frac{1}{2}$	16,0	.625
	245010	10,0		12,65	$\frac{1}{2}$	16,0	.625
	245127	12,7	$\frac{1}{2}$	12,65	$\frac{1}{2}$	16,0	.625
	Long life	245855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0
Abheft-Matrizenbüchsen FILE HOLE DIES 	280055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93	.390
	280003	3,0		17,45	$\frac{11}{16}$	9,93	.390
	280004	4,0		17,45	$\frac{11}{16}$	9,93	.390
	280006	6,0		17,45	$\frac{11}{16}$	9,93	.390
	280635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	9,93	.390
	280007	7,0		17,45	$\frac{11}{16}$	9,93	.390
	280008	8,0		17,45	$\frac{11}{16}$	9,93	.390
	280010	10,0		17,45	$\frac{11}{16}$	9,93	.390
	280127	12,7	$\frac{1}{2}$	17,45	$\frac{11}{16}$	9,93	.390

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Werkzeug- und Maschinenbau

Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(0 70 42) 7 90-0

Telefax
(0 70 42) 70 07

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für glatte Lochung for smooth holes	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES							
	Hochl.-Qualität Superieur Quality	128 000	4	$5/32$	4	$5/32$	19,3
	Normalstahl-Qualität Standard Quality	128 500	4	$5/32$	4	$5/32$	19,3
	HSS/Tungsten	128 600	4	$5/32$	4	$5/32$	19,3
	Long life	143 500	4	$5/32$	4	$5/32$	19,3
	einseitig angefast can be used at one end only	139 000	4	$5/32$	4	$5/32$	19,3
Remaliner-Matrizenbüchsen LINE HOLE DIES							
		173 001	4,0	$5/32$	$10, 2/8$		15,2
	HSS/Tungsten	172 140	4	$5/32$	8		8
	Long life	171 500	4	$5/32$	8		8
Remaliner-Stempel für gezahnte Lochung LINE HOLE PUNCHES SERRATED HOLES							
		162 000	4	$5/32$	6		19,5
	Long life	162 080	4	$5/32$	6		19,5
		163 000	4	$5/32$	6		19,5
Remaliner-Matrizenbüchsen LINE HOLE DIES							
	*für gezahnte Lochung serrated holes	181 000	4*	$5/32$	$10, 2/8$		15,2
	**	184 000	4*	$5/32$	9,5		8,35
	** nur für Matrizen- werkzeuge Nr. 114 022 mit gezahnten Büchsen Only for Die-Tools Nr. 114 022 with serrated dies						

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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Abwick- lung inch	Circum- ference inch	Boh- rung mm	Bore mm	
<p>Teller-Remaliner-Scheiben für gezahnte Lochung 22" Abwicklung, 1/2" Teilung REMALINER DISCS for serrated holes 22" circumference, pitch 1/2"</p> 	<p>einreihig single row</p>	114 020	4	5/32	22	22	80	80
	<p>doppelreihig double row</p>	113 000	4	5/32	22	22	80	80
<p>Untere Remaliner-Werkzeuge 22" Abwicklung, 1/2" Teilung mit auswechselbaren Remaliner-Matrizenbüchsen LINE HOLE DIE TOOLS 22" circumference, pitch 1/2" with interchangeable line hole dies</p> 	<p>einreihig single row</p>	114 022	4	5/32	22	22	80	80
	<p>doppelreihig double row</p>	113 022	4	5/32	22	22	80	80

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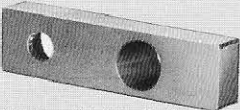
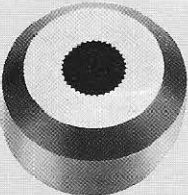
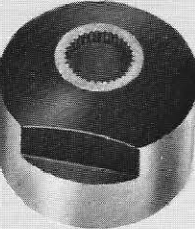
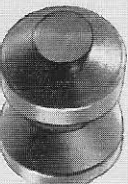

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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. inch	Länge mm	Length inch
Abheft-Stempel FILE HOLE PUNCHES	250 400	5,5	$\frac{7}{32}$	10		18	
 gezahnte Lochung serrated holes	250 606	6,0		10		19,5	
Abheft-Segmente FILE HOLE PLATES	209 120	5,5	$\frac{7}{32}$				
							
Abheft-Matrizenbüchsen FILE HOLE DIES	287 006	6,0		18		10	
							
FLEXIBOBINE ST 150	280 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93	.390
	280 003	3,0		17,45	$\frac{11}{16}$	9,93	.390
	280 004	4,0		17,45	$\frac{11}{16}$	9,93	.390
	280 006	6,0		17,45	$\frac{11}{16}$	9,93	.390
	280 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	9,93	.390
	280 007	7,0		17,45	$\frac{11}{16}$	9,93	.390
	280 008	8,0		17,45	$\frac{11}{16}$	9,93	.390
	280 010	10,0		17,45	$\frac{11}{16}$	9,93	.390
	280 127	12,7	$\frac{1}{2}$	17,45	$\frac{11}{16}$	9,93	.390
							
Abheft-Stempel FILE HOLE PUNCHES	245 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	245 003	3,0		12,65	$\frac{1}{2}$	16,0	.625
	245 004	4,0		12,65	$\frac{1}{2}$	16,0	.625
	245 006	6,0		12,65	$\frac{1}{2}$	16,0	.625
	245 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625
	245 007	7,0		12,65	$\frac{1}{2}$	16,0	.625
	245 008	8,0		12,65	$\frac{1}{2}$	16,0	.625
	245 010	10,0		12,65	$\frac{1}{2}$	16,0	.625
	245 127	12,7	$\frac{1}{2}$	12,65	$\frac{1}{2}$	16,0	.625
Long life	245 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	248 000	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
Long life	248 080	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 635	6,35	$\frac{1}{4}$	6,3	$\frac{1}{4}$	14,75	.580
 Hinterstochen Thick Head	248 100	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
							

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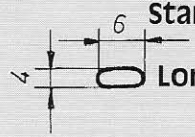



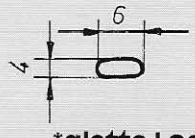

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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch	
Remaliner-Stempel LINE HOLE PUNCHES								
	Standard	156000	4,0	$5/32$	6,3	$1/4$	14,75	.580
		156015	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Long life	156080	4,0	$5/32$	6,3	$1/4$	14,75	.580
	Long life	156815	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Standard	156406	4 x 6 oval		6,3	$1/4$	14,75	.580
	Long life	156416	4 x 6 oblong		6,3	$1/4$	14,75	.580
		157000	4,0	$5/32$	6,3	$1/4$	14,8	.583
	SI	157010	4,0	$5/32$	6,3	$1/4$	14,8	.583
	Long life	157080	4,0	$5/32$	6,3	$1/4$	14,8	.583
	Hinterstochen	157020	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Thick Head	157820	4,0	$5/32$	6,3	$1/4$	15,0	.590
	Long life SI/Standard	157110	4,0	$5/32$	6,3	$1/4$	14,8	.583
	*Stempel nur für Kugelschnellspannsystem Punches only for spring loaded ball quick-change-system	161045*	4,0 Turned groove 4,5 mm	$5/32$	5,5	$7/32$	14,35	.562
		Einstich 4,5 mm	4,5 mm					
		161035*	4,0 Turned groove 3,5 mm	$5/32$	5,5	$7/32$	14,35	.562
		Einstich 3,5 mm	3,5 mm					
Remaliner-Matrizenbüchsen LINE HOLE DIES								
		182000	4,0	$5/32$	10,12	.399	9,8	.385
		182406	4 x 6 oval/ oblong		10,12	.399	9,8	.385
	glatte Lochung smooth holes	182500	4,0	$5/32$	10,12	.399	9,8	.385
		277006	6,0		10,12	.399	9,8	.385
		277055	5,5	$7/32$	10,12	.399	9,8	.385
		277635	6,35	$1/4$	10,12	.399	9,8	.385

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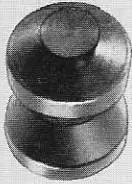


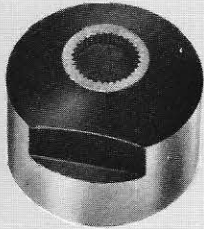
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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Abheft-Stempel FILE HOLE PUNCHES							
	245 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	245 003	3,0		12,65	$\frac{1}{2}$	16,0	.625
	245 004	4,0		12,65	$\frac{1}{2}$	16,0	.625
	245 006	6,0		12,65	$\frac{1}{2}$	16,0	.625
	245 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625
	245 007	7,0		12,65	$\frac{1}{2}$	16,0	.625
	245 008	8,0		12,65	$\frac{1}{2}$	16,0	.625
	245 010	10,0		12,65	$\frac{1}{2}$	16,0	.625
	245 127	12,7	$\frac{1}{2}$	12,65	$\frac{1}{2}$	16,0	.625
	245 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
Long life							
 	248 000	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 080	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
	248 006	6,0	$\frac{1}{4}$	6,3	$\frac{1}{4}$	14,75	.580
	248 635	6,35		6,3	$\frac{1}{4}$	14,75	.580
	248 100	5,5	$\frac{7}{32}$	6,3	$\frac{1}{4}$	14,75	.580
Hinterstochen Thick head							
Abheft-Matrizenbüchsen FILE HOLE DIES							
	280 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	9,93	.390
	280 003	3,0		17,45	$\frac{11}{16}$	9,93	.390
	280 004	4,0		17,45	$\frac{11}{16}$	9,93	.390
	280 006	6,0		17,45	$\frac{11}{16}$	9,93	.390
	280 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	9,93	.390
	280 007	7,0		17,45	$\frac{11}{16}$	9,93	.390
	280 008	8,0		17,45	$\frac{11}{16}$	9,93	.390
	280 010	10,0		17,45	$\frac{11}{16}$	9,93	.390
	280 127	12,7	$\frac{1}{2}$	17,45	$\frac{11}{16}$	9,93	.390



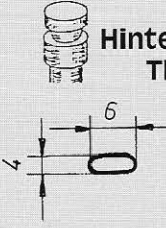

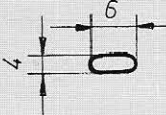
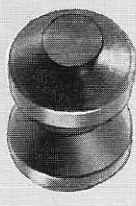
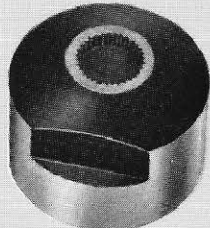
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Werkzeug- und Maschinenbau
Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(070 42) 790-0

Telefax
(070 42) 7007

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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch	
Remaliner-Stempel LINE HOLE PUNCHES								
	Standard	156 000	4,0	5/32	6,3	1/4	14,75	.580
		156 015	4,0	5/32	6,3	1/4	15,0	.590
		248 000	5,5	7/32	6,3	1/4	14,75	.580
		248 006	6,0		6,3	1/4	14,75	.580
		248 635	6,35	1/4	6,3	1/4	14,75	.580
	Long life	156 080	4,0	5/32	6,3	1/4	14,75	.580
	Long life	156 815	4,0	5/32	6,3	1/4	15,0	.590
	Hinterstochen Thick Head	157 020	4,0	5/32	6,3	1/4	15,0	.590
	Standard	156 406	4 x 6 oval		6,3	1/4	14,75	.580
	 	Long life	156 416	4 x 6 oblong		6,3	1/4	14,75
Long life		165 080	4,0	5/32	6,3	1/4	13,0	.515
Remaliner-Matrizenbüchsen LINE HOLE DIES								
 		182 000	4,0	5/32	10,12	.399	9,8	.385
		277 006	6,0		10,12	.399	9,8	.385
		277 055	5,5	7/32	10,12	.399	9,8	.385
		277 635	6,35	1/4	10,12	.399	9,8	.385
		182 406	4 x 6 oval/ oblong		10,12	.399	9,8	.385
		187 000	4,0	5/32	9,52	3/8	12,7	.500
Abheft-Stempel FILE HOLE PUNCHES								
		245 055	5,5	7/32	12,65	1/2	16,0	.625
		245 003	3,0		12,65	1/2	16,0	.625
		245 004	4,0		12,65	1/2	16,0	.625
		245 006	6,0		12,65	1/2	16,0	.625
		245 635	6,35	1/4	12,65	1/2	16,0	.625
		245 007	7,0		12,65	1/2	16,0	.625
		245 008	8,0		12,65	1/2	16,0	.625
		245 010	10,0		12,65	1/2	16,0	.625
		245 127	12,7	1/2	12,65	1/2	16,0	.625
	Long life	245 855	5,5	7/32	12,65	1/2	16,0	.625
Abheft-Matrizenbüchsen FILE HOLE DIES								
		280 055	5,5	7/32	17,45	11/16	9,93	.390
		280 003	3,0		17,45	11/16	9,93	.390
		280 004	4,0		17,45	11/16	9,93	.390
		280 006	6,0		17,45	11/16	9,93	.390
		280 635	6,35	1/4	17,45	11/16	9,93	.390
		280 007	7,0		17,45	11/16	9,93	.390
		280 008	8,0		17,45	11/16	9,93	.390
		280 010	10,0		17,45	11/16	9,93	.390
		280 127	12,7	1/2	17,45	11/16	9,93	.390

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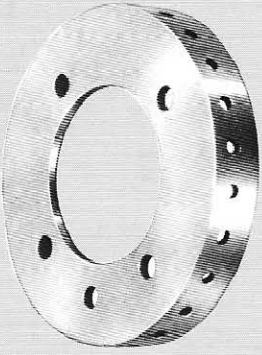

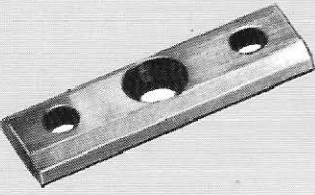
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	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Außen- ∅ mm	Boddy- dia. mm	Länge mm	Length mm
Remaliner-Stempel LINE HOLE PUNCHES 	151 000	4,0	$\frac{5}{32}$	4,0	4,0	18,9	18,9
Long life 	159 000	4,0	$\frac{5}{32}$	4,5	4,5	18,9	18,9
Doppelreihige Teller-Remaliner-Scheiben, einteilige Ausführung 1/2" Umfangsteilung, 12" Abw. DOUBLE ROW REMALINER DISCS one piece design, 1/2" pitch 12" circumference 	117 000	4,0	$\frac{5}{32}$				
Abheft-Stempel FILE HOLE PUNCHES 	250 100	5,5	$\frac{7}{32}$	9,52	9,52	10,6	10,6
Auswechselbares Segment für Abheftlochung interchangeable FILE HOLE DIE SEGMENT 	211 000	5,5	$\frac{7}{32}$				


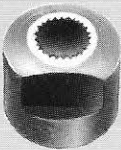
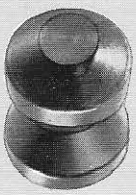
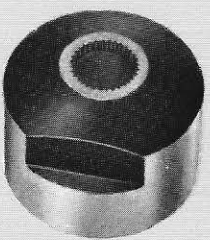
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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Remaliner-Stempel LINE HOLE PUNCHES							
 <p>Long life</p>	154 000	4,0	$\frac{5}{32}$	5,5	$\frac{7}{32}$	14,35	.562
	154 080	4,0	$\frac{5}{32}$	5,5	$\frac{7}{32}$	14,35	.562
Remaliner - Matrizenbüchsen LINE HOLE DIES							
 <p>*glatte Lochung smooth holes</p>	184 000	4,0	$\frac{5}{32}$	9,5	$\frac{3}{8}$	8,35	.329
	285 100	5,5	$\frac{7}{32}$	9,5	$\frac{3}{8}$	8,35	.329
	184 500*	4,0	$\frac{5}{32}$	9,5	$\frac{3}{8}$	8,35	.329
Abheft-Stempel FILE HOLE PUNCHES							
 <p>Long life</p>	245 055	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	245 855	5,5	$\frac{7}{32}$	12,65	$\frac{1}{2}$	16,0	.625
	245 635	6,35	$\frac{1}{4}$	12,65	$\frac{1}{2}$	16,0	.625
Abheft-Matrizenbüchsen FILE HOLE DIES							
	282 055	5,5	$\frac{7}{32}$	17,45	$\frac{11}{16}$	12,7	.500
	282 635	6,35	$\frac{1}{4}$	17,45	$\frac{11}{16}$	12,7	.500

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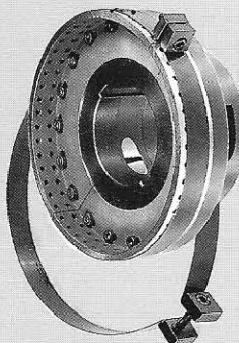
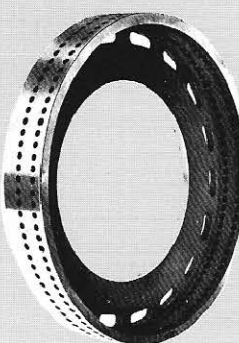

Werkzeug- und Maschinenbau

Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
(0 70 42) 7 90-0

Telefax
(0 70 42) 70 07

Telex 📠
7 263 824 d

	Nummer Part-No.	Loch- ∅ mm	Hole- Size inch	Länge Length mm	Umfang circum- ference inch	Teilung pitch inch	Boh- rung bore mm
<p>Doppelreihige Tellerremaliner- scheiben, geteilte Ausführung DOUBLE ROW, REMALINER DISCS SPLIT DESIGN</p> 	110010	4,0	$\frac{5}{32}$	Mittel- abstand Center distance 12,0	Abwick- lung Circum- ference 24"	$\frac{1}{2}$	120
<p>Doppelreihige Teller-Remaliner- scheiben einteilige Ausführung $\frac{1}{4}$" Umfangstellung DOUBLE ROW REMALINER DISCS ONE PIECE DESIGN $\frac{1}{4}$"</p> 	112000	4,0	$\frac{5}{32}$	12,0	24	$\frac{1}{4}$	120
<p>Remaliner-Stempel LINE HOLE PUNCHES</p> 							
<p>mit Kerbe with notch</p>	130000	4,0	$\frac{5}{32}$	19,7			
<p>ohne Kerbe without notch</p>	131000	4,0	$\frac{5}{32}$	19,7			

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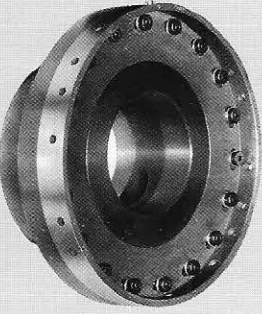
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	Nummer Part-No.	Loch- Ø mm	Hole- Size inch	Außen- Ø mm	Boddy- dia. inch	Länge mm	Length inch
Abheftstempel FILE HOLE PUNCHES  gehärtet hardened	234 000	5,5	$\frac{7}{32}$	10,0	23,0		
Matrizenbüchsen FILE HOLE DIES  mit Flanke with notch	270 100	5,5	$\frac{7}{32}$	18,0	13,0		
 ohne Flanke without notch	270 000	5,5	$\frac{7}{32}$	18,0	13,0		
Abheft-Stempel FILE HOLE PUNCHES 	224 000	5,5	$\frac{7}{32}$			19,7	
Einreihige Teller-Abheftloch- scheiben einteilige Ausführung SINGLE ROW FILE HOLE DISCS ONE PIECE DESIGN 	200 001	5,5	$\frac{7}{32}$		Umfang circum- ference inch 24	Teilung pitch 4", 6", 8", 12"	Bohrung bore mm 120
Geteilte Ausführung SPLIT DESIGN	200 002	5,5	$\frac{7}{32}$		24	4", 6", 8", 12"	120

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Industriestraße 2
D-7147 Eberdingen 3 (W.-Germany)

Telefon ☎
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(070 42) 70 07

Telex 📠
7 263 824 d