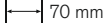



## Works as a Nut Driver and Screw Cutter in One Tool

2268 ..  70 mm  6 g

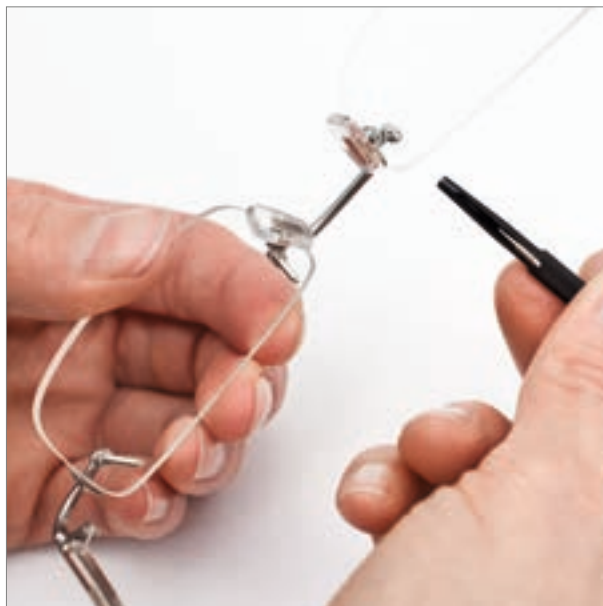


2268 00 

- To shorten screws with **1.2 mm** thread
- For all popular hex nuts with an outer diameter of max. **2.7 mm**

2268 01 

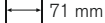

- To shorten screws with **1.4 mm** thread
- For all popular star nuts with an outer diameter of max. **2.5 mm**



## Drill Hole Chamfer Tool

- For easy chamfering of drill holes
- The special shape chamfers the edges quickly and effectively using just slight pressure
- Countersinks are no problem
- Clockwise rotation for clean, optimum results
- Only recommended for plastic, Polycarbonate or Trivex lenses



2266 20  71 mm  7 g

## Tool Kit for Rimless Frames

- Practical tool kit for rimless frames
- Consisting of No. 2268 00 and 2268 01 fitting tool for 1.2 mm and 1.4 mm thread and No. 2266 20 drill hole chamfer tool

2268 50



## Drilled Hole Reamer

- Suitable for tool holders No. 2069 00, 2068 00 and 2065 00
- Shaft size: **1.6 mm**




2266 10



## Double Hand Miller with Hinge Miller and Screw End Miller

- To work with hinge rolls and screw ends

**2216 00**


| 122 mm  5 g



## Duplex Hinge and Temple Miller

- To work with joints and temple hinge rolls
- Miller size: 3.5 mm

**2220 04**


| 110 mm  2 g



## Screw End Miller

- For milling of screw ends (except steel screws)
- Shaft size: 2.5 mm


**2271 25**

| 110 mm  2 g



## Silicone Pad

- This non-slip softpad protects frame and worktop against scratches
- Perfect for your workshop and service area
- Made of silicone
- Thickness of the material: 1.5 mm

**2274 00**  2 pieces



The tools No. 2217 03 (page C 36), 2216 00 and 2271 25 are for processing common German Silver screws and brass screws. Processing steel screws will immediately damage the tool. Improper usage voids all guarantees

## Small Tools Assortment

- To use for frames
- **Contents:** 1 diamond miller, 1 diamond grinder, 1 groove miller, 1 cutting wheel (10 pieces) including mandrel, 2 grinder, 1 steel miller, 1 brass wire brush, 3 buffing wheels, 4 silicone polishers, 2 trimming wheels
- In practical box
- Shaft size: 2.34 mm except  
No. 2240 37 = shaft size: 3.0 mm



**2240 57**  68 x 58 x 66 mm  85 g



**2264 00**



**2240 15**



**2240 37**



**2240 42**



**2240 41**



**2240 49**



**2240 25**



**2240 26**



**2240 07**



**2240 11**



**2240 31**



**2240 32**



**2240 33**



**2240 34**



**2240 19**



**2240 29**



**2240 18**




You will find our hand drilling machines on page A 30.

Shape	Application range	Size mm	Working speed rpm	Order No.
Grinder, wheel	To grind unhardened and alloyed steel	Ø 6 x 2.8	20,000–30,000	<b>2240 07</b>
Grinder, cylindric	To grind unhardened and alloyed steel	2.5 x 6.5	20,000–30,000	<b>2240 11</b>
Brass wire brush	To rework soldering joints	21 x 1.8	10,000	<b>2240 15</b>
Silicone impregnated muslin wheel	To polish plastic materials	Ø 22	5,000	<b>2240 18</b>
Wool buffing wheel	To polish plastic and ceramic	Ø 20	8,000	<b>2240 19</b>
Flannel buffing wheel	To rework frame grooves	Ø 20	5,000	<b>2240 29</b>
Silicone burnisher, middle, pin	To work on metal, plastic and ceramic	4.5 x 12	7,000–10,000	<b>2240 31</b>
Silicone burnisher, middle, wheel	To work on metal, plastic and ceramic	11 x 2	7,000–10,000	<b>2240 32</b>
Silicone burnisher, fine, pin	For high gloss on metal alloy	5 x 10	7,000–10,000	<b>2240 33</b>
Silicone burnisher, fine, wheel	For high gloss on metal alloy	14 x 2.5	7,000–10,000	<b>2240 34</b>
Groove miller, facet	To rework frame grooves	17 x 2.8	2,000–4,000	<b>2240 37</b>
Steel miller, bud shape	To work on metal, plastic and wood	Ø 6	8,000–12,000	<b>2240 41</b>
Cutting wheel (10 pieces) inclusive mandrel	To cut metal and plastic	22 x 0.8	30,000	<b>2240 42</b>
Diamond grinder, conical	For fine grinding and planing	Ø 1.6	30,000	<b>2240 49</b>
Diamond miller	To groove rims of lenses	5 x 0.6	15,000–18,000	<b>2264 00</b>
Trimming wheel, coarse	For finishing metal, plastic and wood	Ø 25	10,000	<b>2240 25</b>
Trimming wheel, fine	For finishing metal, plastic and wood	Ø 25	10,000	<b>2240 26</b>



## Spiral Drill, HSS Special

- For drilling out steel screws, for drilling in Titanium as well as lens material such as CR 39 and transition lenses
- Designed for working on hard materials
- Extremely durable
- Working speed: **1,400 to 10,000 rpm**
- Field of application: **Plastic materials, polycarbonate, steel, Titanium and precious metal**
- Shaft size: **2.34 mm**
- These drills are also available as assortment No. **2038 50** (please see below)

2038 ..  2 pieces

Order No.	Size
2038 05	0.5 mm
2038 06	0.6 mm
2038 07	0.7 mm
2038 08	0.8 mm
2038 09	0.9 mm
2038 10	1.0 mm
2038 11	1.1 mm
2038 12	1.2 mm
2038 13	1.3 mm
2038 14	1.4 mm
2038 15	1.5 mm
2038 16	1.6 mm



## HSS Spiral Drill Set


- 12 high quality spiral drills No. 2038 ..
- Contents:** 2 twist drills, each of sizes: 0.8, 1.0, 1.1, 1.2, 1.3 and 1.4 mm
- In a practical lid box set

2038 50

 124 x 21 x 113 mm  115 g

## Spiral Drill, HSS

- With cylinder shaft, right cut
- Working speed: **500 to 3,000 rpm**
- Field of application: **Plastic materials and precious metals**

2032 ..  3 pieces



Order No.	Shaft size	Size
2032 05	0.5 mm	0.5 mm
2032 06	0.6 mm	0.6 mm
2032 07	0.7 mm	0.7 mm
2032 08	0.8 mm	0.8 mm
2032 09	0.9 mm	0.9 mm
2032 10	1.0 mm	1.0 mm
2032 11	1.1 mm	1.1 mm
2032 12	1.2 mm	1.2 mm
2032 13	1.3 mm	1.3 mm
2032 14	1.4 mm	1.4 mm
2032 15	1.5 mm	1.5 mm
2032 16	1.6 mm	1.6 mm
2032 17	1.7 mm	1.7 mm
2032 18	1.8 mm	1.8 mm
2032 20	2.0 mm	2.0 mm



## HSS Spiral Drill Set, 30 pieces

- Contents:** 3 spiral drills, each of sizes: 0.5; 0.6; 0.7; 0.8; 0.9; 1.0; 1.1; 1.2; 1.3 and 1.4 mm
- In a practical lid box set

2032 50

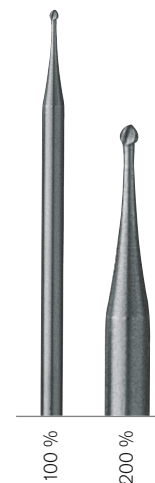
 210 x 18 x 113 mm  140 g


## Hard Metal Drill

- For drilling out steel screws stuck in hinges
- Working speed: **10,000 to 15,000 rpm**
- Field of application: **Steel screws**
- Shaft size: **2.34 mm**

2037 ..


Order No.	Size
2037 10	1.0 mm
2037 12	1.2 mm
2037 14	1.4 mm
2037 16	1.6 mm



 The drills No. 2037 .. are provided with a hard metal top. We recommend using less pressure and cooling.

## Drill Miller for NIDEK

- For NIDEK CNC-machines ME and AHM
- Material: **Tungsten steel**
- Shaft size: **3.16 mm**

2209 ..  10 pieces

Order No.	Size
<b>2209 08</b>	<b>0.8 mm</b>
<b>2209 10</b>	<b>1.0 mm</b>



## Groove Miller

- To rework the groove of plastic and metal frames
- Shaft size: **2.35 mm**
- Diameter: **6 mm**
- Speed: **approx. 6,000 to 8,000 rpm**



**2240 44**

## Groove Miller

- To rework the groove of plastic and metal frames
- Shaft size: **2.35 mm**
- Diameter: **8 mm**
- Speed: **approx. 6,000 to 8,000 rpm**



**2240 45**

## Groove Miller for Plastic Frames

- To rework plastic frame grooves
- Adjustable for different rim thicknesses
- Shaft size: **3.12 mm**
- Speed: **approx. 7,000 to 8,000 rpm**
- Wheel diameter: **10 x 2 mm**




**2242 00**



## Hard Metal Drill for Plastic Lenses

- Polished surfaces guarantees a clean cut
- Working speed: **1,000 to 5,000 rpm**
- Field of application: **Plastic materials, polycarbonate and Trivex**
- Shaft size: **3.175 mm**

2035 ..  38 mm

Order No.	Size	Order No.	Size
<b>2035 08</b>	<b>0.8 mm</b>	<b>2035 16</b>	<b>1.6 mm</b>
<b>2035 09</b>	<b>0.9 mm</b>	<b>2035 17</b>	<b>1.7 mm</b>
<b>2035 10</b>	<b>1.0 mm</b>	<b>2035 18</b>	<b>1.8 mm</b>
<b>2035 11</b>	<b>1.1 mm</b>	<b>2035 19</b>	<b>1.9 mm</b>
<b>2035 12</b>	<b>1.2 mm</b>	<b>2035 20</b>	<b>2.0 mm</b>
<b>2035 13</b>	<b>1.3 mm</b>	<b>2035 21</b>	<b>2.1 mm</b>
<b>2035 14</b>	<b>1.4 mm</b>	<b>2035 22</b>	<b>2.2 mm</b>
<b>2035 15</b>	<b>1.5 mm</b>	<b>2035 23</b>	<b>2.3 mm</b>



## Hard Metal Drill Set for Plastic Lenses


- **Contents:** 10 drills (0.8; 0.9; 1.0; 1.1; 1.2; 1.3; 1.4; 1.6; 1.8 and 2.0 mm)
- Details: see drills above
- Incl. half-transparent plastic box

2035 60  86 x 10 x 53 mm  60 g



## Hard Metal Miller for Plastic Lenses

- To notch and mill plastic lenses, polycarbonate and Trivex
- High quality double cut miller with **fishtail edge** for a clean cut and long life time
- Shaft size: **3.175 mm**

2212 ..  38 mm

Order No.	Drillbit length	Miller size
<b>2212 08</b>	<b>8.0 mm</b>	<b>0.8 mm</b>
<b>2212 09</b>	<b>9.0 mm</b>	<b>0.9 mm</b>
<b>2212 10</b>	<b>9.0 mm</b>	<b>1.0 mm</b>
<b>2212 11</b>	<b>9.0 mm</b>	<b>1.1 mm</b>
<b>2212 12</b>	<b>9.0 mm</b>	<b>1.2 mm</b>
<b>2212 13</b>	<b>9.0 mm</b>	<b>1.3 mm</b>
<b>2212 14</b>	<b>9.0 mm</b>	<b>1.4 mm</b>
<b>2212 16</b>	<b>10.0 mm</b>	<b>1.6 mm</b>

double cut



You will find our drilling machines starting page A 26.

## Drill and Miller Set for Plastic Lenses

- **Contents:** 6 drills (0.8; 1.0; 1.2; 1.4; 1.6 and 2.0 mm) plus 4 millers (1.0; 1.2; 1.4 and 1.6 mm)
- Details: See drills 2035 .. and 2212 ..


2035 50  86 x 10 x 53 mm  60 g





## Drill Miller for Plastic Lenses

- This drill-miller has a polished surface which enables a clean cut
- Ideally suitable for perfect drilling and milling of plastic lenses, including polycarbonate and Trivex
- Material: **Tungsten steel**
- Shaft size: **3.14 mm**

2210 ..  38 mm

Order No.	Drillbit length	Size
<b>2210 08</b>	6.0 mm	0.8 mm
<b>2210 10</b>	7.0 mm	1.0 mm
<b>2210 12</b>	7.0 mm	1.2 mm
<b>2210 14</b>	8.0 mm	1.4 mm
<b>2210 16</b>	8.0 mm	1.6 mm



## Drill Miller Set for Plastic Lenses

- **Contents:** 5 drill-miller (0.8; 1.0; 1.2; 1.4 and 1.6 mm)
- Details: see drill-miller above
- Incl. half-transparent plastic box

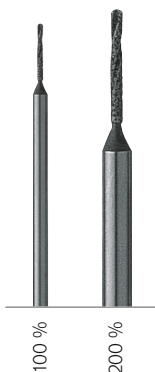
2210 50  86 x 10 x 53 mm  43 g

## Diamond Spiral Drill

- For drilling glass and ceramic
- Working speed: **approx. 20,000 rpm**
- Shaft size: **2,34 mm**

2044 ..

Order No.	Drillbit length	Size
<b>2044 10</b>	7.0 mm	1.0 mm
<b>2044 12</b>	9.0 mm	1.2 mm

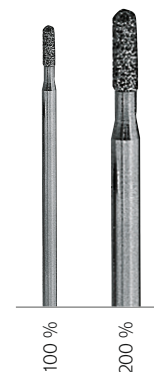


## Diamond Drill

- For drilling glass and ceramic
- Working speed: **15,000 to 18,000 rpm**
- Drillbit length: **6.0 mm**
- Shaft size: **2.34 mm**

2260 ..

Order No.	Size
<b>2260 16</b>	1.6 mm
<b>2260 18</b>	1.8 mm



## Diamond Wheel

- Shaft dimensions **22 x 0.60 mm**
- Working speed: **approx. 15,000 to 18,000 rpm**
- Shaft size: **2.35 mm**

2263 00



## Diamond Miller

- For milling of lenses
- **For use in the screw wizard No. 2886 70**
- Shaft dimensions: **5.0 x 0.6 mm**
- Working speed: **approx. 15,000 to 18,000 rpm**
- Shaft size: **2.35 mm**

2264 00



Diamond drill No. 2260 .. plus diamond wheel No. 2263 00 and 2264 00 are high speed tools and should be operated with maximum speed. The optimum speed is between 15,000 and 18,000 rpm. Use **only water** as coolant. For minimum wear and tear and best performance apply low pressure only. Work in intervals and clean drill holes frequently. The **lower** the **rpm** of the diamond wheel/drill, the higher the wear and tear. The **faster** the **rpm** of the diamond wheel/drill, the better the working results.



## Duplex Hinge and Temple Miller

- For working with joints and temples hinge rolls on Duplex temples
- Miller size: **3.0 mm**
- Shaft size: **3.0 mm**

**2217 03** | 35 mm



## Double Cone Miller

- To mill a notch for rhinestones No. 0900 50 and 0900 51
- For deburring drilling holes in plastic lenses
- Can also be used for polycarbonate and Trivex
- Shaft size: **2.34 mm**

**2265 ..** | 44.5 mm

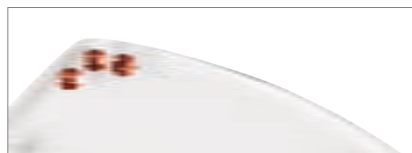


Order No.	Miller size
<b>2265 19</b>	<b>1.9 mm</b>
<b>2265 23</b>	<b>2.3 mm</b>
<b>2265 27</b>	<b>2.7 mm</b>
<b>2265 40</b>	<b>4.0 mm</b>

## Core Miller

- For premilling of hidden hinge bowls
- Miller size: **5.0 mm**
- Shaft size: **3.0 mm**

**2237 50** | 23 mm



Please take note of our rhinestone assortment on page F 47.

## Screw End Miller

- Suitable for **steel**, brass and German silver screws
- Outer diameter: **1.8 mm**
- Inner diameter: **1.4 mm**
- Shaft size: **2.34 mm**

**2215 18** | 37 mm



## Hard Metal Miller

- To work on metal and plastic
- Shaft size: **3.0 mm**
- Diameter: **6 x 48 mm**
- Speed: **approx 4,000 to 6,000 rpm**

**2243 00**



## Hinge Bowl Miller

- To mill out the hole for hinge
- 4 cuts
- Shaft size: **3.0 mm**

**2236 ..** | 35 mm



## Long Hole Miller

- For milling long holes in plastic lenses
- Can also be used for polycarbonate and Trivex
- Shaft size: **2.35 mm**

**2211 ..**

| 44.5 mm 2 pieces



Order No.	Miller size
<b>2236 30</b>	<b>3,0 mm</b>
<b>2236 35</b>	<b>3,5 mm</b>
<b>2236 40</b>	<b>4,0 mm</b>
<b>2236 45</b>	<b>4,5 mm</b>
<b>2236 50</b>	<b>5,0 mm</b>

Order No.	Drillbit length	Miller size
<b>2211 08</b>	<b>3.5 mm</b>	<b>0.8 mm</b>
<b>2211 10</b>	<b>4.0 mm</b>	<b>1.0 mm</b>
<b>2211 12</b>	<b>4.2 mm</b>	<b>1.2 mm</b>
<b>2211 14</b>	<b>4.5 mm</b>	<b>1.4 mm</b>
<b>2211 21</b>	<b>5.1 mm</b>	<b>2.1 mm</b>