

Allgemeine Lieferbedingungen Werkzeuge, Verbrauchs- und Ersatzmaterial

Versandkosten CHF 10.-

Alle Preisangaben Exklusive MWST

Warenwert > CHF 500.-
Warenwert > CHF 1'000.-

Rabatt:
5%
10%

LPKF - Hartmetallbohrer mit Distanzringen für Protomat S42, S62, S100
LPKF - drilling tools for Protomat S42, S62, S100



Spiral Drill

Zylindrisches Werkzeug zum Bohren verschiedener Materialien insbesondere Leiterplattenbasismaterial

Cylindric tool for drilling of printed circuit boards and other materials.

VPE = 1 Stk/pcs

| Art.-Nr.: | Menge | Beschreibung / Typ | Standzeit* Hübe | Einzelpreis | Total CHF |
|-----------|-------|------------------------------------|--------------------|-------------|-----------|
| 115846 | Stk | Drill Bit 1/8", 38 mm, d = 0,20 mm | 2000 | CHF 6.50 | |
| 115847 | Stk | Drill Bit 1/8", 38 mm, d = 0,30 mm | 2000 | CHF 6.50 | |
| 115848 | Stk | Drill Bit 1/8", 38 mm, d = 0,40 mm | 2000 | CHF 6.50 | |
| 115849 | Stk | Drill Bit 1/8", 38 mm, d = 0,50 mm | 3000 | CHF 6.50 | |
| 115850 | Stk | Drill Bit 1/8", 38 mm, d = 0,60 mm | 3000 | CHF 6.50 | |
| 115851 | Stk | Drill Bit 1/8", 38 mm, d = 0,70 mm | 4000 | CHF 6.50 | |
| 115852 | Stk | Drill Bit 1/8", 38 mm, d = 0,80 mm | 4000 | CHF 6.50 | |
| 115853 | Stk | Drill Bit 1/8", 38 mm, d = 0,85 mm | 4000 | CHF 6.50 | |
| 115854 | Stk | Drill Bit 1/8", 38 mm, d = 0,90 mm | 4000 | CHF 6.50 | |
| 115855 | Stk | Drill Bit 1/8", 38 mm, d = 1,00 mm | 4000 | CHF 6.50 | |
| 115856 | Stk | Drill Bit 1/8", 38 mm, d = 1,10 mm | 3500 | CHF 6.50 | |
| 115857 | Stk | Drill Bit 1/8", 38 mm, d = 1,20 mm | 3500 | CHF 6.50 | |
| 115858 | Stk | Drill Bit 1/8", 38 mm, d = 1,30 mm | 3500 | CHF 6.50 | |
| 115859 | Stk | Drill Bit 1/8", 38 mm, d = 1,40 mm | 3000 | CHF 6.50 | |
| 115860 | Stk | Drill Bit 1/8", 38 mm, d = 1,50 mm | 3000 | CHF 6.50 | |
| 115861 | Stk | Drill Bit 1/8", 38 mm, d = 1,60 mm | 3000 | CHF 6.50 | |
| 115862 | Stk | Drill Bit 1/8", 38 mm, d = 1,70 mm | 3000 | CHF 6.50 | |
| 115863 | Stk | Drill Bit 1/8", 38 mm, d = 1,80 mm | 2800 | CHF 6.50 | |
| 115864 | Stk | Drill Bit 1/8", 38 mm, d = 1,90 mm | 2800 | CHF 6.50 | |
| 115865 | Stk | Drill Bit 1/8", 38 mm, d = 2,00 mm | 2000 | CHF 6.50 | |
| 115866 | Stk | Drill Bit 1/8", 38 mm, d = 2,10 mm | 2000 | CHF 6.50 | |
| 115867 | Stk | Drill Bit 1/8", 38 mm, d = 2,20 mm | 2000 | CHF 6.50 | |
| 115868 | Stk | Drill Bit 1/8", 38 mm, d = 2,30 mm | 2000 | CHF 6.50 | |
| 115869 | Stk | Drill Bit 1/8", 38 mm, d = 2,40 mm | 2000 | CHF 6.50 | |
| 115870 | Stk | Drill Bit 1/8", 38 mm, d = 2,95 mm | 1000 | CHF 6.50 | |
| 115871 | Stk | Drill Bit 1/8", 38 mm, d = 3,00 mm | 2000 | CHF 6.50 | |

*Standzeit für FR4 mit S62

Distanzringe 1/8 Zoll aus Kunststoff

Distanzringe für 1/8"-Werkzeuge, 100er Pack, weiß, für Protomat S Serie mit automatischem Werkzeugwechsel

Distance rings for 1/8 inch tools, white, pack of 100 pieces, for circuit board plotters with automatic tool change

VPE = 100 Stk/pcs

| Art.-Nr.: | Menge | Beschreibung / Typ | Einzelpreis | Total CHF |
|-----------|-------|--|-------------|-----------|
| 108016 | VPE | 100 Distanzringe weiss f. 1/8"-Werkzeuge | CHF 35.00 | |

LPKF - Hartmetallfräser mit Distanzringen für Protomat S42, S62, S100
LPKF - tools for Protomat S42, S62, S100



Universal Cutter

Konisches Spezialwerkzeug für das Fräsen von Isolationsbahnen in beliebigem Basismaterialien mit Distanzring Orange
Conical custom designed tool for working out isolation tracks in any copper board material with distance ring orange
VPE = 1 Stk/pcs

| Art.-Nr.: | Menge | Beschreibung / Typ | Standzeit* | Einzelpreis | Total CHF |
|-----------|-------|--|------------|-------------|-----------|
| 115835 | Stk | Universal Cutter 1/8", 36 mm, 0,2 - 0,5 mm | 30000 mm | CHF 20.00 | |

Micro Cutter / Fine-Line Milling Tool

Konisches Spezialwerkzeug für Isolationsbahnen bei 18 µm Kupfer, mit Distanzring Orange
Conical custom designed tool for finest isolation tracks on 18 µm copper, with distance ring orange
VPE = 1 Stk/pcs

| Art.-Nr.: | Menge | Beschreibung / Typ | Standzeit* | Einzelpreis | Total CHF |
|-----------|-------|---|------------|-------------|-----------|
| 115836 | Stk | Micro Cutter 1/8", 36 mm, 0,1 - 0,15 mm | 6000 mm | CHF 35.00 | |

HF-Fräser / End Mill (RF)

Zylindrisches Spezialwerkzeug mit hoher Flankensteilheit und geringer Eindringtiefe. Für HF-Anwendungen.
Cylindric custom designed tool for minimal substrate removal to work out isolations in RF applications.
VPE = 1 Stk/pcs

| Art.-Nr.: | Menge | Beschreibung / Typ | Standzeit* | Einzelpreis | Total CHF |
|-----------|-------|--|------------|-------------|-----------|
| 115832 | Stk | End Mill (RF) 1/8", 36 mm, d = 0,15 mm | 2000 mm | CHF 78.00 | |
| 115833 | Stk | End Mill (RF) 1/8", 36 mm, d = 0,25 mm | 9000 mm | CHF 35.00 | |
| 115834 | Stk | End Mill (RF) 1/8", 36 mm, d = 0,40 mm | 40000 mm | CHF 35.00 | |



Konturenfräser / Contour Router

Zylindrisches Spezialwerkzeug zum Konturenfräsen von glasfaserverstärktem Epoxymaterial (FR4)
Cylindric custom designed tool for milling out inner and outer board contours and holes >2.4mm (FR4)
VPE = 1 Stk/pcs

| Art.-Nr.: | Menge | Beschreibung / Typ | Standzeit* | Einzelpreis | Total CHF |
|-----------|-------|---|------------|-------------|-----------|
| 115844 | Stk | Contour Router 1/8", 38 mm, d = 1,00 mm | 7000 mm | CHF 25.00 | |
| 115845 | Stk | Contour Router 1/8", 38 mm, d = 2,00 mm | 8000 mm | CHF 25.00 | |



End Mill (Zweischneider)

Zylindrisches Spezialwerkzeug zum Gravieren von Aluminium u. Messing, sowie zum Isolationsfräsen von Flächen (Rubouts)
Cylindric custom designed tool for engraving of aluminium front panels, for rubouts and wider isolation tracks
VPE = 1 Stk/pcs

| Art.-Nr.: | Menge | Beschreibung / Typ | Standzeit* | Einzelpreis | Total CHF |
|-----------|-------|-----------------------------------|------------|-------------|-----------|
| 115839 | Stk | End Mill 1/8", 36 mm, d = 0,80 mm | 25000 mm | CHF 31.00 | |
| 115840 | Stk | End Mill 1/8", 36 mm, d = 1,00 mm | 20000 mm | CHF 31.00 | |
| 115841 | Stk | End Mill 1/8", 36 mm, d = 2,00 mm | 20000 mm | CHF 31.00 | |
| 115842 | Stk | End Mill 1/8", 36 mm, d = 3,00 mm | 20000 mm | CHF 31.00 | |

Zweischneider lang / End Mill long l = 38 mm

Zylindrisches Spezialwerkzeug zum Fräsen und Konturenfräsen von Aluminium, HF- und Mikrowellenmaterialien
Cylindric custom designed tool for milling and contour routing of aluminium, RF- and microwave materials
VPE = 1 Stk/pcs

| Art.-Nr.: | Menge | Beschreibung / Typ | Standzeit* | Einzelpreis | Total CHF |
|-----------|-------|-----------------------------------|------------|-------------|-----------|
| 115837 | Stk | End Mill 1/8", 38 mm, d = 1,00 mm | 1000 mm | CHF 31.00 | |
| 115838 | Stk | End Mill 1/8", 38 mm, d = 2,00 mm | 1500 mm | CHF 31.00 | |

*Standzeit für FR4 mit S62