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# MPS1

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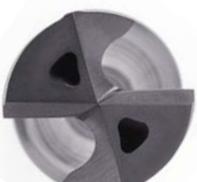
HOCHLEISTUNGS-VOLLHARTMETALLBOHRER

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# MPS1

## HOCHLEISTUNGS-VOLLHARTMETALLBOHRER



LxDC 3 – 8

### STABILE SCHNEIDKANTE

Für das Hochleistungsbohren

LxDC 10 – 40  
LxDC 2 (PC)

### OPTIMIERTE GEOMETRIE

Für das Tieflochbohren mit optimaler Bohrlochqualität

### DP1021

Neue ALTiCrN-PVD-Beschichtung sorgt für hohe Standzeiten auch unter extremen Schnittparametern.

### PRÄZISION

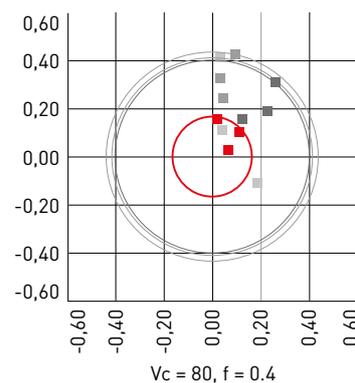
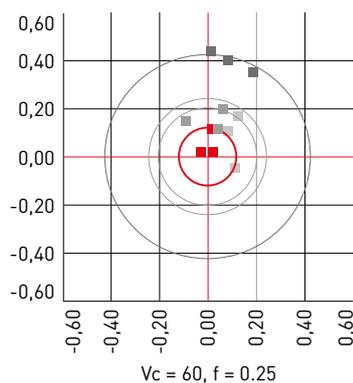
Die doppelten Führungsfasen erzielen eine hohe Oberflächenqualität der Bohrung.



- Erhöhter Kühlmitteldurchfluss
- Optimierte Schmierung
- Schnellere Spanabfuhr

### STABILITÄT (CAE-ANALYSE)

Der extralange Vollhartmetallbohrer MPS1 wurde konzipiert, um eine ca. 20 % höhere Kraft gegen Durchbiegung bei gleichzeitiger Optimierung des Kerndurchmessers und Spiralwinkels zu erzielen.



■ Mitsubishi Materials Werkzeug

■ Herkömmlich A

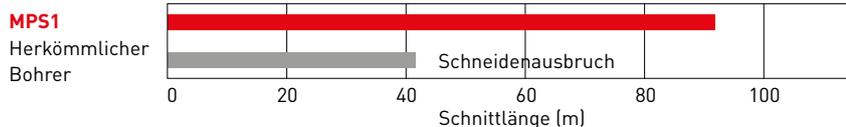
■ Herkömmlich B

■ Herkömmlich C

# ANWENDUNGSBEISPIELE

## PRÜFUNG DER WERKZEUGSTANDZEIT Ø 8 MM UNTER DEM EINSATZ VON NORMALEN SCHNITTDATEN

|                |  |
|----------------|--|
| Material       | DIN C50  |
| Bohrtiefe (mm) | 40   |
| Vc (m/min)     | 120  |
| f (mm/U)       | 0.25   |
| Kühlung        | Emulsion   |
| Maschine       | Vertikales BZ  |
| Ergebnis       | Enorme Standzeitverbesserung durch den MPS1-Bohrer um +250 % |



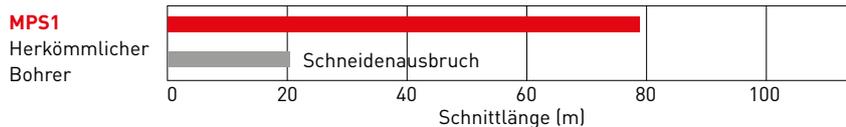
MPS1



Herkömmlich

## PRÜFUNG DER WERKZEUGSTANDZEIT Ø 8 MM UNTER DEM EINSATZ VON HOHEN SCHNITTDATEN

|                |  |
|----------------|--|
| Material       | DIN C50  |
| Bohrtiefe (mm) | 40   |
| Vc (m/min)     | 200  |
| f (mm/U)       | 0.35   |
| Kühlung        | Emulsion   |
| Maschine       | Vertikales BZ.   |
| Ergebnis       | Enorme Standzeitverbesserung durch den MPS1-Bohrer bei hohen Schnittparametern |



MPS1

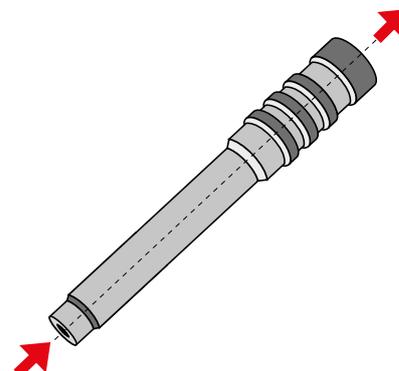


Herkömmlich

# TIEFLOCHBOHRER

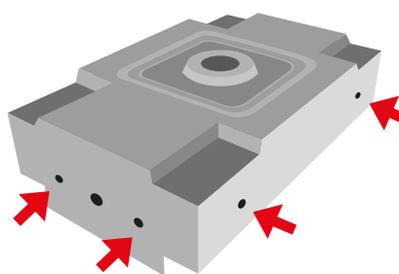
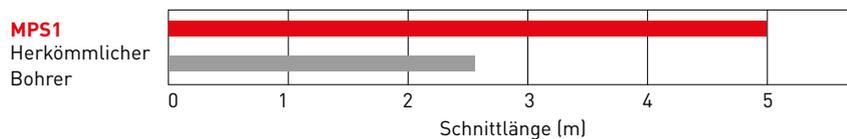
## DURCHGEHENDE ZENTRIERBOHRUNG

|                |   |
|----------------|---|
| Werkzeug       | MPS1-0380-L12C                            |
| Material       | 115MnPb30                                 |
| Bohrtiefe (mm) | 45 (12 l/d)                               |
| Vc (m/min)     | 75  |
| f (mm/U)       | 0.135                                     |
| Maschine       | Maschine mit Spindelstock                 |
| Ergebnis       | Die Standzeit des MPS1 war um 36 % länger |

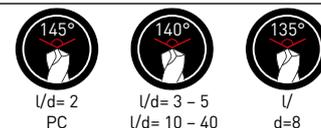


## KÜHLKANALBOHRUNG

|                |  |
|----------------|--|
| Werkzeug       | MPS1-0800-L30C   |
| Material       | CR7 V-L (Stahl für die Kaltarbeit, 1130 N/mm <sup>2</sup> )  |
| Bohrtiefe (mm) | 250 (30 l/d)   |
| Vc (m/min)     | 120  |
| f (mm/U)       | 0.35   |
| Maschine       | Horizontales Bearbeitungszentrum   |
| Ergebnis       | Die Standzeit des MPS1 war 2 mal länger, axiale Geradheit der Bohrung weniger als 0,15 mm Abweichung |



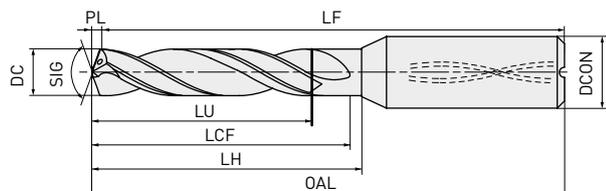
# MPS1



## VOLLHARTMETALLBOHRER

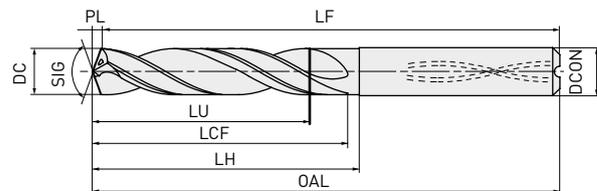


### 1 Zylindrischer Schaft mit konischem Hinterschliff



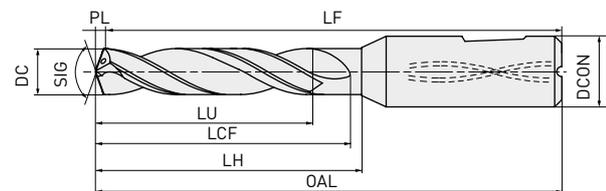
MPS1----S/L-DIN-C/L8C -L40C

### 2 Zylindrischer Schaft



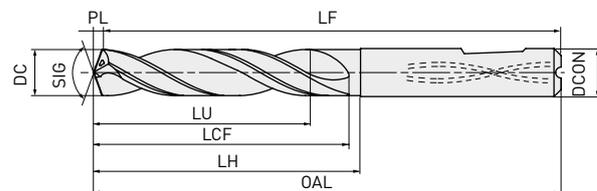
MPS1----S/L-DIN-C/L8C -L40C

### 3 Whistle-Notch-Schaft mit konischem Hinterschliff



MPS1----S/L-DIN (Whistle-Notch)

### 4 Whistle-Notch-Schaft



MPS1----S/L-DIN (Whistle-Notch)

Die Kühlmittelbohrungen bei Bohrern in S-DIN(C) & L-DIN(C) & L8C haben bis Schneidendurchmesser DC 6 mm oder weniger eine runde Form.

Die Kühlmittelbohrungen bei Bohrern von L10C bis L40C haben bis Schneidendurchmesser DC 4,9mm, oder weniger eine runde Form.

SIG : l/d 3 - 5 und 10 - 40 = 140°, 8 = 135°, PC = 145°



|                              | 3≤DC≤6           | 6<DC≤10          | 10<DC≤18         | 18<DC≤20         |
|------------------------------|------------------|------------------|------------------|------------------|
| DC Toleranz (DIN/PC)<br>(mm) | +0.010<br>-0.002 | +0.010<br>-0.005 | +0.005<br>-0.013 | +0.005<br>-0.016 |
| DC Toleranz (L_C)<br>(mm)    | 0<br>-0.012      | 0<br>-0.015      | 0<br>-0.018      | 0<br>-0.021      |
| DCON Toleranz<br>(mm)        | 0<br>-0.008      | 0<br>-0.009      | 0<br>-0.011      | 0<br>-0.013      |

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0300S-DIN   | 3.0 | 3     | 61.5  | 15.0  | 19.5  | 24.5  | 61  | 0.5 | 6    | □      | 3   |
| MPS1-0300S-DIN-C |     | 3     | 61.5  | 15.0  | 19.5  | 24.5  | 61  | 0.5 | 6    | ●      | 1   |
| MPS1-0300L-DIN   |     | 5     | 65.5  | 20.0  | 24.5  | 28.5  | 65  | 0.5 | 6    | □      | 3   |
| MPS1-0300L-DIN-C |     | 5     | 65.5  | 20.0  | 24.5  | 28.5  | 65  | 0.5 | 6    | ●      | 1   |
| MPS1-0300-PC     |     | 2     | 55.5  | 6.5   | 16.5  | 19.7  | 55  | 0.5 | 6    | ●      | 1   |
| MPS1-0300-L8C    |     | 8     | 76.6  | 24.6  | 33.6  | 39.6  | 76  | 0.6 | 6    | ●      | 1   |
| MPS1-0300-L10C   |     | 10    | 79.5  | 30.5  | 37.5  | 42.5  | 79  | 0.5 | 6    | ●      | 1   |
| MPS1-0300-L12C   |     | 12    | 85.5  | 36.5  | 43.5  | 48.5  | 85  | 0.5 | 6    | ●      | 1   |
| MPS1-0300-L15C   |     | 15    | 94.5  | 45.5  | 52.5  | 57.5  | 94  | 0.5 | 6    | ●      | 1   |
| MPS1-0300-L20C   |     | 20    | 109.5 | 60.5  | 67.5  | 72.5  | 109 | 0.5 | 6    | ●      | 1   |
| MPS1-0300-L25C   |     | 25    | 124.5 | 75.5  | 82.5  | 87.5  | 124 | 0.5 | 6    | ●      | 1   |
| MPS1-0300-L30C   |     | 30    | 139.5 | 90.5  | 97.5  | 102.5 | 139 | 0.5 | 6    | ●      | 1   |
| MPS1-0300-L35C   |     | 35    | 158.5 | 105.5 | 113.5 | 121.5 | 158 | 0.5 | 6    | □      | 1   |
| MPS1-0300-L40C   |     | 40    | 173.5 | 120.5 | 128.5 | 136.5 | 173 | 0.5 | 6    | ●      | 1   |

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● : Lagerstandard. ★ : Lagerstandard in Japan.

□ : Herstellung nur auf Anfrage.



## MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF   | PL  | DCON | DP1021 | Typ |   |
|------------------|------|-------|-------|-------|-------|-------|------|-----|------|--------|-----|---|
| MPS1-0305S-DIN   | 3.05 | 3     | 61.6  | 15.0  | 19.6  | 24.6  | 61   | 0.6 | 6    | □      | 3   |   |
| MPS1-0305S-DIN-C |      | 3     | 61.6  | 15.0  | 19.6  | 24.6  | 61   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0305L-DIN   |      | 5     | 65.6  | 20.0  | 24.6  | 28.6  | 65   | 0.6 | 6    | □      | 3   |   |
| MPS1-0305L-DIN-C |      | 5     | 65.6  | 20.0  | 24.6  | 28.6  | 65   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310S-DIN   | 3.1  | 3     | 61.6  | 14.9  | 19.6  | 24.6  | 61   | 0.6 | 6    | □      | 3   |   |
| MPS1-0310S-DIN-C |      | 3     | 61.6  | 14.9  | 19.6  | 24.6  | 61   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310L-DIN   |      | 5     | 65.6  | 19.9  | 24.6  | 28.6  | 65   | 0.6 | 6    | □      | 3   |   |
| MPS1-0310L-DIN-C |      | 5     | 65.6  | 19.9  | 24.6  | 28.6  | 65   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310-PC     |      | 2     | 55.5  | 6.7   | 18.5  | 21.6  | 55   | 0.5 | 6    | ●      | 1   |   |
| MPS1-0310-L8C    |      | 8     | 82.6  | 25.4  | 39.6  | 45.6  | 82   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310-L10C   |      | 10    | 86.6  | 31.6  | 44.6  | 49.6  | 86   | 0.6 | 6    | □      | 1   |   |
| MPS1-0310-L12C   |      | 12    | 93.6  | 37.8  | 51.6  | 56.6  | 93   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310-L15C   |      | 15    | 103.6 | 47.1  | 61.6  | 66.6  | 103  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310-L20C   |      | 20    | 121.6 | 62.6  | 79.6  | 84.6  | 121  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310-L25C   |      | 25    | 138.6 | 78.1  | 96.6  | 101.6 | 138  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310-L30C   |      | 30    | 156.6 | 93.6  | 114.6 | 119.6 | 156  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0310-L35C   |      | 35    | 175.6 | 109.1 | 123.6 | 138.6 | 175  | 0.6 | 6    | □      | 1   |   |
| MPS1-0310-L40C   |      | 40    | 190.6 | 124.6 | 138.6 | 153.6 | 190  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0320S-DIN   |      | 3.2   | 3     | 61.6  | 14.8  | 19.6  | 24.6 | 61  | 0.6  | 6      | □   | 3 |
| MPS1-0320S-DIN-C |      |       | 3     | 61.6  | 14.8  | 19.6  | 24.6 | 61  | 0.6  | 6      | ●   | 1 |
| MPS1-0320L-DIN   | 5    |       | 65.6  | 19.8  | 24.6  | 28.6  | 65   | 0.6 | 6    | □      | 3   |   |
| MPS1-0320L-DIN-C | 5    |       | 65.6  | 19.8  | 24.6  | 28.6  | 65   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0320-PC     | 2    |       | 55.5  | 6.9   | 18.5  | 21.5  | 55   | 0.5 | 6    | ●      | 1   |   |
| MPS1-0320-L8C    | 8    |       | 82.7  | 26.3  | 39.7  | 45.7  | 82   | 0.7 | 6    | ●      | 1   |   |
| MPS1-0320-L10C   | 10   |       | 86.6  | 32.6  | 44.6  | 49.6  | 86   | 0.6 | 6    | □      | 1   |   |
| MPS1-0320-L12C   | 12   |       | 93.6  | 39.0  | 51.6  | 56.6  | 93   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0320-L15C   | 15   |       | 103.6 | 48.6  | 61.6  | 66.6  | 103  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0320-L20C   | 20   |       | 121.6 | 64.6  | 79.6  | 84.6  | 121  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0320-L25C   | 25   |       | 138.6 | 80.6  | 96.6  | 101.6 | 138  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0320-L30C   | 30   |       | 156.6 | 96.6  | 114.6 | 119.6 | 156  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0320-L35C   | 35   |       | 175.6 | 112.6 | 123.6 | 138.6 | 175  | 0.6 | 6    | □      | 1   |   |
| MPS1-0320-L40C   | 40   |       | 190.6 | 128.6 | 138.6 | 153.6 | 190  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0330S-DIN   | 3.3  |       | 3     | 61.6  | 14.7  | 19.6  | 24.6 | 61  | 0.6  | 6      | □   | 3 |
| MPS1-0330S-DIN-C |      |       | 3     | 61.6  | 14.7  | 19.6  | 24.6 | 61  | 0.6  | 6      | ●   | 1 |
| MPS1-0330L-DIN   |      | 5     | 65.6  | 20.2  | 25.1  | 28.6  | 65   | 0.6 | 6    | □      | 3   |   |
| MPS1-0330L-DIN-C |      | 5     | 65.6  | 20.2  | 25.1  | 28.6  | 65   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0330-PC     |      | 2     | 55.5  | 7.1   | 18.5  | 21.4  | 55   | 0.5 | 6    | ●      | 1   |   |
| MPS1-0330-L8C    |      | 8     | 82.7  | 27.1  | 39.7  | 45.7  | 82   | 0.7 | 6    | ●      | 1   |   |
| MPS1-0330-L10C   |      | 10    | 86.6  | 33.6  | 44.6  | 49.6  | 86   | 0.6 | 6    | □      | 1   |   |
| MPS1-0330-L12C   |      | 12    | 93.6  | 40.2  | 51.6  | 56.6  | 93   | 0.6 | 6    | ●      | 1   |   |
| MPS1-0330-L15C   |      | 15    | 103.6 | 50.1  | 61.6  | 66.6  | 103  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0330-L20C   |      | 20    | 121.6 | 66.6  | 79.6  | 84.6  | 121  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0330-L25C   |      | 25    | 138.6 | 83.1  | 96.6  | 101.6 | 138  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0330-L30C   |      | 30    | 156.6 | 99.6  | 114.6 | 119.6 | 156  | 0.6 | 6    | ●      | 1   |   |
| MPS1-0330-L35C   |      | 35    | 175.6 | 116.1 | 132.6 | 138.6 | 175  | 0.6 | 6    | □      | 1   |   |
| MPS1-0330-L40C   |      | 40    | 190.6 | 132.6 | 148.6 | 153.6 | 190  | 0.6 | 6    | ●      | 1   |   |

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## MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0340S-DIN   | 3.4 | 3     | 61.6  | 14.5  | 19.6  | 24.6  | 61  | 0.6 | 6    | □      | 3   |
| MPS1-0340S-DIN-C |     | 3     | 61.6  | 14.5  | 19.6  | 24.6  | 61  | 0.6 | 6    | ●      | 1   |
| MPS1-0340L-DIN   |     | 5     | 65.6  | 20.0  | 25.1  | 28.6  | 65  | 0.6 | 6    | □      | 3   |
| MPS1-0340L-DIN-C |     | 5     | 65.6  | 20.0  | 25.1  | 28.6  | 65  | 0.6 | 6    | ●      | 1   |
| MPS1-0340-PC     |     | 2     | 55.5  | 7.3   | 18.5  | 21.3  | 55  | 0.5 | 6    | ●      | 1   |
| MPS1-0340-L8C    |     | 8     | 82.7  | 27.9  | 39.7  | 45.7  | 82  | 0.7 | 6    | ●      | 1   |
| MPS1-0340-L10C   |     | 10    | 86.6  | 34.6  | 44.6  | 49.6  | 86  | 0.6 | 6    | □      | 1   |
| MPS1-0340-L12C   |     | 12    | 93.6  | 41.4  | 51.6  | 56.6  | 93  | 0.6 | 6    | ●      | 1   |
| MPS1-0340-L15C   |     | 15    | 103.6 | 51.6  | 61.6  | 66.6  | 103 | 0.6 | 6    | ●      | 1   |
| MPS1-0340-L20C   |     | 20    | 121.6 | 68.6  | 79.6  | 84.6  | 121 | 0.6 | 6    | ●      | 1   |
| MPS1-0340-L25C   |     | 25    | 138.6 | 85.6  | 96.6  | 101.6 | 138 | 0.6 | 6    | ●      | 1   |
| MPS1-0340-L30C   |     | 30    | 156.6 | 102.6 | 114.6 | 119.6 | 156 | 0.6 | 6    | ●      | 1   |
| MPS1-0340-L35C   |     | 35    | 175.6 | 119.6 | 132.6 | 138.6 | 175 | 0.6 | 6    | □      | 1   |
| MPS1-0340-L40C   |     | 40    | 190.6 | 136.6 | 148.6 | 153.6 | 190 | 0.6 | 6    | ●      | 1   |
| MPS1-0350S-DIN   | 3.5 | 3     | 61.6  | 14.4  | 19.6  | 24.6  | 61  | 0.6 | 6    | □      | 3   |
| MPS1-0350S-DIN-C |     | 3     | 61.6  | 14.4  | 19.6  | 24.6  | 61  | 0.6 | 6    | ●      | 1   |
| MPS1-0350L-DIN   |     | 5     | 65.6  | 19.9  | 25.1  | 28.6  | 65  | 0.6 | 6    | □      | 3   |
| MPS1-0350L-DIN-C |     | 5     | 65.6  | 19.9  | 25.1  | 28.6  | 65  | 0.6 | 6    | ●      | 1   |
| MPS1-0350-PC     |     | 2     | 55.6  | 7.6   | 18.6  | 21.2  | 55  | 0.6 | 6    | ●      | 1   |
| MPS1-0350-L8C    |     | 8     | 82.7  | 28.7  | 39.7  | 45.7  | 82  | 0.7 | 6    | ●      | 1   |
| MPS1-0350-L10C   |     | 10    | 86.6  | 35.6  | 44.6  | 49.6  | 86  | 0.6 | 6    | □      | 1   |
| MPS1-0350-L12C   |     | 12    | 93.6  | 42.6  | 51.6  | 56.6  | 93  | 0.6 | 6    | ●      | 1   |
| MPS1-0350-L15C   |     | 15    | 103.6 | 53.1  | 61.6  | 66.6  | 103 | 0.6 | 6    | ●      | 1   |
| MPS1-0350-L20C   |     | 20    | 121.6 | 70.6  | 79.6  | 84.6  | 121 | 0.6 | 6    | ●      | 1   |
| MPS1-0350-L25C   |     | 25    | 138.6 | 88.1  | 96.6  | 101.6 | 138 | 0.6 | 6    | ●      | 1   |
| MPS1-0350-L30C   |     | 30    | 156.6 | 105.6 | 114.6 | 119.6 | 156 | 0.6 | 6    | ●      | 1   |
| MPS1-0350-L35C   |     | 35    | 175.6 | 123.1 | 132.6 | 138.6 | 175 | 0.6 | 6    | □      | 1   |
| MPS1-0350-L40C   |     | 40    | 190.6 | 140.6 | 148.6 | 153.6 | 190 | 0.6 | 6    | ●      | 1   |
| MPS1-0360S-DIN   | 3.6 | 3     | 61.7  | 14.3  | 19.7  | 24.7  | 61  | 0.7 | 6    | □      | 3   |
| MPS1-0360S-DIN-C |     | 3     | 61.7  | 14.3  | 19.7  | 24.7  | 61  | 0.7 | 6    | ●      | 1   |
| MPS1-0360L-DIN   |     | 5     | 65.7  | 19.8  | 25.2  | 28.7  | 65  | 0.7 | 6    | □      | 3   |
| MPS1-0360L-DIN-C |     | 5     | 65.7  | 19.8  | 25.2  | 28.7  | 65  | 0.7 | 6    | ●      | 1   |
| MPS1-0360-PC     |     | 2     | 55.6  | 7.8   | 20.6  | 23.1  | 55  | 0.6 | 6    | □      | 1   |
| MPS1-0360-L8C    |     | 8     | 87.7  | 29.5  | 44.7  | 50.7  | 87  | 0.7 | 6    | ●      | 1   |
| MPS1-0360-L10C   |     | 10    | 92.7  | 36.7  | 50.7  | 55.7  | 92  | 0.7 | 6    | □      | 1   |
| MPS1-0360-L12C   |     | 12    | 100.7 | 43.9  | 58.7  | 63.7  | 100 | 0.7 | 6    | ●      | 1   |
| MPS1-0360-L15C   |     | 15    | 112.7 | 54.7  | 70.7  | 75.7  | 112 | 0.7 | 6    | ●      | 1   |
| MPS1-0360-L20C   |     | 20    | 132.7 | 72.7  | 90.7  | 95.7  | 132 | 0.7 | 6    | ●      | 1   |
| MPS1-0360-L25C   |     | 25    | 152.7 | 90.7  | 110.7 | 115.7 | 152 | 0.7 | 6    | □      | 1   |
| MPS1-0360-L30C   |     | 30    | 172.7 | 108.7 | 130.7 | 135.7 | 172 | 0.7 | 6    | ●      | 1   |
| MPS1-0360-L35C   |     | 35    | 192.7 | 126.7 | 143.7 | 155.7 | 192 | 0.7 | 6    | □      | 1   |
| MPS1-0360-L40C   |     | 40    | 212.7 | 144.7 | 160.7 | 175.7 | 212 | 0.7 | 6    | ●      | 1   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0370S-DIN   | 3.7 | 3     | 61.7  | 14.1  | 19.7  | 24.7  | 61  | 0.7 | 6    | □      | 3   |
| MPS1-0370S-DIN-C |     | 3     | 61.7  | 14.1  | 19.7  | 24.7  | 61  | 0.7 | 6    | ●      | 1   |
| MPS1-0370L-DIN   |     | 5     | 65.7  | 20.1  | 25.7  | 28.7  | 65  | 0.7 | 6    | □      | 3   |
| MPS1-0370L-DIN-C |     | 5     | 65.7  | 20.1  | 25.7  | 28.7  | 65  | 0.7 | 6    | ●      | 1   |
| MPS1-0370-PC     |     | 2     | 55.6  | 8.0   | 20.6  | 23.1  | 55  | 0.6 | 6    | ●      | 1   |
| MPS1-0370-L8C    |     | 8     | 87.8  | 30.4  | 44.8  | 50.8  | 87  | 0.8 | 6    | ●      | 1   |
| MPS1-0370-L10C   |     | 10    | 92.7  | 37.7  | 50.7  | 55.7  | 92  | 0.7 | 6    | □      | 1   |
| MPS1-0370-L12C   |     | 12    | 100.7 | 45.1  | 58.7  | 63.7  | 100 | 0.7 | 6    | ●      | 1   |
| MPS1-0370-L15C   |     | 15    | 112.7 | 56.2  | 70.7  | 75.7  | 112 | 0.7 | 6    | ●      | 1   |
| MPS1-0370-L20C   |     | 20    | 132.7 | 74.7  | 90.7  | 95.7  | 132 | 0.7 | 6    | ●      | 1   |
| MPS1-0370-L25C   |     | 25    | 152.7 | 93.2  | 110.7 | 115.7 | 152 | 0.7 | 6    | ●      | 1   |
| MPS1-0370-L30C   |     | 30    | 172.7 | 111.7 | 130.7 | 135.7 | 172 | 0.7 | 6    | ●      | 1   |
| MPS1-0370-L35C   |     | 35    | 192.7 | 130.2 | 143.7 | 155.7 | 192 | 0.7 | 6    | □      | 1   |
| MPS1-0370-L40C   |     | 40    | 212.7 | 148.7 | 160.7 | 175.7 | 212 | 0.7 | 6    | ●      | 1   |
| MPS1-0380S-DIN   | 3.8 | 3     | 65.7  | 18.0  | 23.7  | 28.7  | 65  | 0.7 | 6    | □      | 3   |
| MPS1-0380S-DIN-C |     | 3     | 65.7  | 18.0  | 23.7  | 28.7  | 65  | 0.7 | 6    | ●      | 1   |
| MPS1-0380L-DIN   |     | 5     | 73.7  | 28.0  | 33.7  | 36.7  | 73  | 0.7 | 6    | □      | 3   |
| MPS1-0380L-DIN-C |     | 5     | 73.7  | 28.0  | 33.7  | 36.7  | 73  | 0.7 | 6    | ●      | 1   |
| MPS1-0380-PC     |     | 2     | 55.6  | 8.2   | 20.6  | 23.0  | 55  | 0.6 | 6    | ●      | 1   |
| MPS1-0380-L8C    |     | 8     | 87.8  | 31.2  | 44.8  | 50.8  | 87  | 0.8 | 6    | ●      | 1   |
| MPS1-0380-L10C   |     | 10    | 92.7  | 38.7  | 50.7  | 55.7  | 92  | 0.7 | 6    | □      | 1   |
| MPS1-0380-L12C   |     | 12    | 100.7 | 46.3  | 58.7  | 63.7  | 100 | 0.7 | 6    | ●      | 1   |
| MPS1-0380-L15C   |     | 15    | 112.7 | 57.7  | 70.7  | 75.7  | 112 | 0.7 | 6    | ●      | 1   |
| MPS1-0380-L20C   |     | 20    | 132.7 | 76.7  | 90.7  | 95.7  | 132 | 0.7 | 6    | ●      | 1   |
| MPS1-0380-L25C   |     | 25    | 152.7 | 95.7  | 110.7 | 115.7 | 152 | 0.7 | 6    | ●      | 1   |
| MPS1-0380-L30C   |     | 30    | 172.7 | 114.7 | 130.7 | 135.7 | 172 | 0.7 | 6    | ●      | 1   |
| MPS1-0380-L35C   |     | 35    | 192.7 | 133.7 | 150.7 | 155.7 | 192 | 0.7 | 6    | □      | 1   |
| MPS1-0380-L40C   |     | 40    | 212.7 | 152.7 | 170.7 | 175.7 | 212 | 0.7 | 6    | ●      | 1   |
| MPS1-0390S-DIN   | 3.9 | 3     | 65.7  | 17.9  | 23.7  | 28.7  | 65  | 0.7 | 6    | □      | 3   |
| MPS1-0390S-DIN-C |     | 3     | 65.7  | 17.9  | 23.7  | 28.7  | 65  | 0.7 | 6    | ●      | 1   |
| MPS1-0390L-DIN   |     | 5     | 73.7  | 27.9  | 33.7  | 36.7  | 73  | 0.7 | 6    | □      | 3   |
| MPS1-0390L-DIN-C |     | 5     | 73.7  | 27.9  | 33.7  | 36.7  | 73  | 0.7 | 6    | ●      | 1   |
| MPS1-0390-PC     |     | 2     | 55.6  | 8.4   | 20.6  | 22.9  | 55  | 0.6 | 6    | ●      | 1   |
| MPS1-0390-L8C    |     | 8     | 87.8  | 32.0  | 44.8  | 50.8  | 87  | 0.8 | 6    | ●      | 1   |
| MPS1-0390-L10C   |     | 10    | 92.7  | 39.7  | 50.7  | 55.7  | 92  | 0.7 | 6    | □      | 1   |
| MPS1-0390-L12C   |     | 12    | 100.7 | 47.5  | 58.7  | 63.7  | 100 | 0.7 | 6    | ●      | 1   |
| MPS1-0390-L15C   |     | 15    | 112.7 | 59.2  | 70.7  | 75.7  | 112 | 0.7 | 6    | ●      | 1   |
| MPS1-0390-L20C   |     | 20    | 132.7 | 78.7  | 90.7  | 95.7  | 132 | 0.7 | 6    | ●      | 1   |
| MPS1-0390-L25C   |     | 25    | 152.7 | 98.2  | 110.7 | 115.7 | 152 | 0.7 | 6    | □      | 1   |
| MPS1-0390-L30C   |     | 30    | 172.7 | 117.7 | 130.7 | 135.7 | 172 | 0.7 | 6    | ●      | 1   |
| MPS1-0390-L35C   |     | 35    | 192.7 | 137.2 | 150.7 | 155.7 | 192 | 0.7 | 6    | □      | 1   |
| MPS1-0390-L40C   |     | 40    | 212.7 | 156.7 | 170.7 | 175.7 | 212 | 0.7 | 6    | ●      | 1   |

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## MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0400S-DIN   | 4.0  | 3     | 65.7  | 17.7  | 23.7  | 28.7  | 65  | 0.7 | 6    | □      | 3   |
| MPS1-0400S-DIN-C |      | 3     | 65.7  | 17.7  | 23.7  | 28.7  | 65  | 0.7 | 6    | ●      | 1   |
| MPS1-0400L-DIN   |      | 5     | 73.7  | 27.7  | 33.7  | 36.7  | 73  | 0.7 | 6    | □      | 3   |
| MPS1-0400L-DIN-C |      | 5     | 73.7  | 27.7  | 33.7  | 36.7  | 73  | 0.7 | 6    | ●      | 1   |
| MPS1-0400-PC     |      | 2     | 55.6  | 8.6   | 20.6  | 22.8  | 55  | 0.6 | 6    | ●      | 1   |
| MPS1-0400-L8C    |      | 8     | 87.8  | 32.8  | 44.8  | 50.8  | 87  | 0.8 | 6    | ●      | 1   |
| MPS1-0400-L10C   |      | 10    | 92.7  | 40.7  | 50.7  | 55.7  | 92  | 0.7 | 6    | ●      | 1   |
| MPS1-0400-L12C   |      | 12    | 100.7 | 48.7  | 58.7  | 63.7  | 100 | 0.7 | 6    | ●      | 1   |
| MPS1-0400-L15C   |      | 15    | 112.7 | 60.7  | 70.7  | 75.7  | 112 | 0.7 | 6    | ●      | 1   |
| MPS1-0400-L20C   |      | 20    | 132.7 | 80.7  | 90.7  | 95.7  | 132 | 0.7 | 6    | ●      | 1   |
| MPS1-0400-L25C   |      | 25    | 152.7 | 100.7 | 110.7 | 115.7 | 152 | 0.7 | 6    | ●      | 1   |
| MPS1-0400-L30C   |      | 30    | 172.7 | 120.7 | 130.7 | 135.7 | 172 | 0.7 | 6    | ●      | 1   |
| MPS1-0400-L35C   |      | 35    | 192.7 | 140.7 | 150.7 | 155.7 | 192 | 0.7 | 6    | □      | 1   |
| MPS1-0400-L40C   |      | 40    | 212.7 | 160.7 | 170.7 | 175.7 | 212 | 0.7 | 6    | ●      | 1   |
| MPS1-0405S-DIN   | 4.05 | 3     | 65.7  | 17.7  | 23.7  | 28.7  | 65  | 0.7 | 6    | □      | 3   |
| MPS1-0405S-DIN-C |      | 3     | 65.7  | 17.7  | 23.7  | 28.7  | 65  | 0.7 | 6    | ●      | 1   |
| MPS1-0405L-DIN   |      | 5     | 73.7  | 27.7  | 33.7  | 36.7  | 73  | 0.7 | 6    | □      | 3   |
| MPS1-0405L-DIN-C |      | 5     | 73.7  | 27.7  | 33.7  | 36.7  | 73  | 0.7 | 6    | ●      | 1   |
| MPS1-0410S-DIN   | 4.1  | 3     | 65.7  | 17.6  | 23.7  | 28.7  | 65  | 0.7 | 6    | □      | 3   |
| MPS1-0410S-DIN-C |      | 3     | 65.7  | 17.6  | 23.7  | 28.7  | 65  | 0.7 | 6    | ●      | 1   |
| MPS1-0410L-DIN   |      | 5     | 73.7  | 27.6  | 33.7  | 36.7  | 73  | 0.7 | 6    | □      | 3   |
| MPS1-0410L-DIN-C |      | 5     | 73.7  | 27.6  | 33.7  | 36.7  | 73  | 0.7 | 6    | ●      | 1   |
| MPS1-0410-PC     |      | 2     | 62.6  | 8.8   | 22.6  | 24.7  | 62  | 0.6 | 6    | ●      | 1   |
| MPS1-0410-L8C    |      | 8     | 92.8  | 33.6  | 50.8  | 55.8  | 92  | 0.8 | 6    | ●      | 1   |
| MPS1-0410-L10C   |      | 10    | 99.7  | 41.7  | 58.7  | 62.7  | 99  | 0.7 | 6    | □      | 1   |
| MPS1-0410-L12C   |      | 12    | 108.7 | 49.9  | 67.7  | 71.7  | 108 | 0.7 | 6    | ●      | 1   |
| MPS1-0410-L15C   |      | 15    | 121.7 | 62.2  | 80.7  | 84.7  | 121 | 0.7 | 6    | ●      | 1   |
| MPS1-0410-L20C   |      | 20    | 144.7 | 82.7  | 103.7 | 107.7 | 144 | 0.7 | 6    | ●      | 1   |
| MPS1-0410-L25C   |      | 25    | 166.7 | 103.2 | 125.7 | 129.7 | 166 | 0.7 | 6    | ●      | 1   |
| MPS1-0410-L30C   |      | 30    | 189.7 | 123.7 | 148.7 | 152.7 | 189 | 0.7 | 6    | ●      | 1   |
| MPS1-0410-L35C   |      | 35    | 211.7 | 144.2 | 164.7 | 174.7 | 211 | 0.7 | 6    | □      | 1   |
| MPS1-0410-L40C   |      | 40    | 235.7 | 164.7 | 184.7 | 198.7 | 235 | 0.7 | 6    | ●      | 1   |
| MPS1-0420S-DIN   | 4.2  | 3     | 65.8  | 17.5  | 23.8  | 28.8  | 65  | 0.8 | 6    | □      | 3   |
| MPS1-0420S-DIN-C |      | 3     | 65.8  | 17.5  | 23.8  | 28.8  | 65  | 0.8 | 6    | ●      | 1   |
| MPS1-0420L-DIN   |      | 5     | 73.8  | 28.0  | 34.3  | 36.8  | 73  | 0.8 | 6    | □      | 3   |
| MPS1-0420L-DIN-C |      | 5     | 73.8  | 28.0  | 34.3  | 36.8  | 73  | 0.8 | 6    | ●      | 1   |
| MPS1-0420-PC     |      | 2     | 62.7  | 9.1   | 22.7  | 24.6  | 62  | 0.7 | 6    | ●      | 1   |
| MPS1-0420-L8C    |      | 8     | 92.9  | 34.5  | 50.9  | 55.9  | 92  | 0.9 | 6    | ●      | 1   |
| MPS1-0420-L10C   |      | 10    | 99.8  | 42.8  | 58.8  | 62.8  | 99  | 0.8 | 6    | □      | 1   |
| MPS1-0420-L12C   |      | 12    | 108.8 | 51.2  | 67.8  | 71.8  | 108 | 0.8 | 6    | ●      | 1   |
| MPS1-0420-L15C   |      | 15    | 121.8 | 63.8  | 80.8  | 84.8  | 121 | 0.8 | 6    | ●      | 1   |
| MPS1-0420-L20C   |      | 20    | 144.8 | 84.8  | 103.8 | 107.8 | 144 | 0.8 | 6    | ●      | 1   |
| MPS1-0420-L25C   |      | 25    | 166.8 | 105.8 | 125.8 | 129.8 | 166 | 0.8 | 6    | ●      | 1   |
| MPS1-0420-L30C   |      | 30    | 189.8 | 126.8 | 148.8 | 152.8 | 189 | 0.8 | 6    | ●      | 1   |
| MPS1-0420-L35C   |      | 35    | 211.8 | 147.8 | 164.8 | 174.8 | 211 | 0.8 | 6    | ●      | 1   |
| MPS1-0420-L40C   |      | 40    | 235.8 | 168.8 | 184.8 | 198.8 | 235 | 0.8 | 6    | ●      | 1   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0430S-DIN   |     | 3     | 65.8  | 17.3  | 23.8  | 28.8  | 65  | 0.8 | 6    | □      | 3   |
| MPS1-0430S-DIN-C |     | 3     | 65.8  | 17.3  | 23.8  | 28.8  | 65  | 0.8 | 6    | ●      | 1   |
| MPS1-0430L-DIN   |     | 5     | 73.8  | 27.8  | 34.3  | 36.8  | 73  | 0.8 | 6    | □      | 3   |
| MPS1-0430L-DIN-C |     | 5     | 73.8  | 27.8  | 34.3  | 36.8  | 73  | 0.8 | 6    | ●      | 1   |
| MPS1-0430-PC     |     | 2     | 62.7  | 9.3   | 22.7  | 24.5  | 62  | 0.7 | 6    | ●      | 1   |
| MPS1-0430-L8C    |     | 8     | 92.9  | 35.3  | 50.9  | 55.9  | 92  | 0.9 | 6    | ●      | 1   |
| MPS1-0430-L10C   | 4.3 | 10    | 99.8  | 43.8  | 58.8  | 62.8  | 99  | 0.8 | 6    | □      | 1   |
| MPS1-0430-L12C   |     | 12    | 108.8 | 52.4  | 67.8  | 71.8  | 108 | 0.8 | 6    | ●      | 1   |
| MPS1-0430-L15C   |     | 15    | 121.8 | 65.3  | 80.8  | 84.8  | 121 | 0.8 | 6    | ●      | 1   |
| MPS1-0430-L20C   |     | 20    | 144.8 | 86.8  | 103.8 | 107.8 | 144 | 0.8 | 6    | ●      | 1   |
| MPS1-0430-L25C   |     | 25    | 166.8 | 108.3 | 125.8 | 129.8 | 166 | 0.8 | 6    | ●      | 1   |
| MPS1-0430-L30C   |     | 30    | 189.8 | 129.8 | 148.8 | 152.8 | 189 | 0.8 | 6    | ●      | 1   |
| MPS1-0430-L35C   |     | 35    | 211.8 | 151.3 | 170.8 | 174.8 | 211 | 0.8 | 6    | □      | 1   |
| MPS1-0430-L40C   |     | 40    | 235.8 | 172.8 | 194.8 | 198.8 | 235 | 0.8 | 6    | ●      | 1   |
| MPS1-0440S-DIN   |     | 3     | 65.8  | 17.2  | 23.8  | 28.8  | 65  | 0.8 | 6    | □      | 3   |
| MPS1-0440S-DIN-C |     | 3     | 65.8  | 17.2  | 23.8  | 28.8  | 65  | 0.8 | 6    | ●      | 1   |
| MPS1-0440L-DIN   |     | 5     | 73.8  | 27.7  | 34.3  | 36.8  | 73  | 0.8 | 6    | □      | 3   |
| MPS1-0440L-DIN-C |     | 5     | 73.8  | 27.7  | 34.3  | 36.8  | 73  | 0.8 | 6    | ●      | 1   |
| MPS1-0440-PC     |     | 2     | 62.7  | 9.5   | 22.7  | 24.4  | 62  | 0.7 | 6    | ●      | 1   |
| MPS1-0440-L8C    |     | 8     | 92.9  | 36.1  | 50.9  | 55.9  | 92  | 0.9 | 6    | ●      | 1   |
| MPS1-0440-L10C   | 4.4 | 10    | 99.8  | 44.8  | 58.8  | 62.8  | 99  | 0.8 | 6    | □      | 1   |
| MPS1-0440-L12C   |     | 12    | 108.8 | 53.6  | 67.8  | 71.8  | 108 | 0.8 | 6    | ●      | 1   |
| MPS1-0440-L15C   |     | 15    | 121.8 | 66.8  | 80.8  | 84.8  | 121 | 0.8 | 6    | ●      | 1   |
| MPS1-0440-L20C   |     | 20    | 144.8 | 88.8  | 103.8 | 107.8 | 144 | 0.8 | 6    | □      | 1   |
| MPS1-0440-L25C   |     | 25    | 166.8 | 110.8 | 125.8 | 129.8 | 166 | 0.8 | 6    | □      | 1   |
| MPS1-0440-L30C   |     | 30    | 189.8 | 132.8 | 148.8 | 152.8 | 189 | 0.8 | 6    | □      | 1   |
| MPS1-0440-L35C   |     | 35    | 211.8 | 154.8 | 170.8 | 174.8 | 211 | 0.8 | 6    | □      | 1   |
| MPS1-0440-L40C   |     | 40    | 235.8 | 176.8 | 194.8 | 198.8 | 235 | 0.8 | 6    | ●      | 1   |
| MPS1-0450S-DIN   |     | 3     | 65.8  | 17.1  | 23.8  | 28.8  | 65  | 0.8 | 6    | □      | 3   |
| MPS1-0450S-DIN-C |     | 3     | 65.8  | 17.1  | 23.8  | 28.8  | 65  | 0.8 | 6    | ●      | 1   |
| MPS1-0450L-DIN   |     | 5     | 73.8  | 27.6  | 34.3  | 36.8  | 73  | 0.8 | 6    | □      | 3   |
| MPS1-0450L-DIN-C |     | 5     | 73.8  | 27.6  | 34.3  | 36.8  | 73  | 0.8 | 6    | ●      | 1   |
| MPS1-0450-PC     |     | 2     | 62.7  | 9.7   | 22.7  | 24.3  | 62  | 0.7 | 6    | ●      | 1   |
| MPS1-0450-L8C    |     | 8     | 92.9  | 36.9  | 50.9  | 55.9  | 92  | 0.9 | 6    | ●      | 1   |
| MPS1-0450-L10C   | 4.5 | 10    | 99.8  | 45.8  | 58.8  | 62.8  | 99  | 0.8 | 6    | □      | 1   |
| MPS1-0450-L12C   |     | 12    | 108.8 | 54.8  | 67.8  | 71.8  | 108 | 0.8 | 6    | ●      | 1   |
| MPS1-0450-L15C   |     | 15    | 121.8 | 68.3  | 80.8  | 84.8  | 121 | 0.8 | 6    | ●      | 1   |
| MPS1-0450-L20C   |     | 20    | 144.8 | 90.8  | 103.8 | 107.8 | 144 | 0.8 | 6    | ●      | 1   |
| MPS1-0450-L25C   |     | 25    | 166.8 | 113.3 | 125.8 | 129.8 | 166 | 0.8 | 6    | ●      | 1   |
| MPS1-0450-L30C   |     | 30    | 189.8 | 135.8 | 148.8 | 152.8 | 189 | 0.8 | 6    | ●      | 1   |
| MPS1-0450-L35C   |     | 35    | 211.8 | 158.3 | 170.8 | 174.8 | 211 | 0.8 | 6    | □      | 1   |
| MPS1-0450-L40C   |     | 40    | 235.8 | 180.8 | 194.8 | 198.8 | 235 | 0.8 | 6    | ●      | 1   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0460S-DIN   | 4.6  | 3     | 65.8  | 16.9  | 23.8  | 28.8  | 65  | 0.8 | 6    | □      | 4   |
| MPS1-0460S-DIN-C |      | 3     | 65.8  | 16.9  | 23.8  | 28.8  | 65  | 0.8 | 6    | ●      | 2   |
| MPS1-0460L-DIN   |      | 5     | 73.8  | 28.9  | 35.8  | 36.8  | 73  | 0.8 | 6    | □      | 4   |
| MPS1-0460L-DIN-C |      | 5     | 73.8  | 28.9  | 35.8  | 36.8  | 73  | 0.8 | 6    | ●      | 2   |
| MPS1-0460-PC     |      | 2     | 62.7  | 9.9   | 24.7  | 27.7  | 62  | 0.7 | 6    | ●      | 2   |
| MPS1-0460-L8C    |      | 8     | 96.0  | 37.8  | 56.0  | 59.0  | 95  | 1.0 | 6    | ●      | 2   |
| MPS1-0460-L10C   |      | 10    | 105.8 | 46.8  | 65.8  | 68.8  | 105 | 0.8 | 6    | □      | 2   |
| MPS1-0460-L12C   |      | 12    | 115.8 | 56.0  | 75.8  | 78.8  | 115 | 0.8 | 6    | ●      | 2   |
| MPS1-0460-L15C   |      | 15    | 130.8 | 69.8  | 90.8  | 93.8  | 130 | 0.8 | 6    | ●      | 2   |
| MPS1-0460-L20C   |      | 20    | 155.8 | 92.8  | 115.8 | 118.8 | 155 | 0.8 | 6    | ●      | 2   |
| MPS1-0460-L25C   |      | 25    | 180.8 | 115.8 | 140.8 | 143.8 | 180 | 0.8 | 6    | ●      | 2   |
| MPS1-0460-L30C   |      | 30    | 205.8 | 138.8 | 165.8 | 168.8 | 205 | 0.8 | 6    | ●      | 2   |
| MPS1-0460-L35C   |      | 35    | 229.8 | 161.8 | 184.8 | 192.8 | 229 | 0.8 | 6    | □      | 2   |
| MPS1-0460-L40C   |      | 40    | 254.8 | 184.8 | 204.8 | 217.8 | 254 | 0.8 | 6    | ●      | 2   |
| MPS1-0465S-DIN   | 4.65 | 3     | 65.8  | 16.9  | 23.8  | 28.8  | 65  | 0.8 | 6    | □      | 4   |
| MPS1-0465S-DIN-C |      | 3     | 65.8  | 16.9  | 23.8  | 28.8  | 65  | 0.8 | 6    | ●      | 2   |
| MPS1-0465L-DIN   |      | 5     | 73.8  | 28.9  | 35.8  | 36.8  | 73  | 0.8 | 6    | □      | 4   |
| MPS1-0465L-DIN-C |      | 5     | 73.8  | 28.9  | 35.8  | 36.8  | 73  | 0.8 | 6    | ●      | 2   |
| MPS1-0470S-DIN   | 4.7  | 3     | 65.9  | 16.8  | 23.9  | 28.9  | 65  | 0.9 | 6    | □      | 4   |
| MPS1-0470S-DIN-C |      | 3     | 65.9  | 16.8  | 23.9  | 28.9  | 65  | 0.9 | 6    | ●      | 2   |
| MPS1-0470L-DIN   |      | 5     | 73.9  | 28.8  | 35.9  | 36.9  | 73  | 0.9 | 6    | □      | 4   |
| MPS1-0470L-DIN-C |      | 5     | 73.9  | 28.8  | 35.9  | 36.9  | 73  | 0.9 | 6    | ●      | 2   |
| MPS1-0470-PC     |      | 2     | 62.7  | 10.1  | 24.7  | 27.7  | 62  | 0.7 | 6    | ●      | 2   |
| MPS1-0470-L8C    |      | 8     | 96.0  | 38.6  | 56.0  | 59.0  | 95  | 1.0 | 6    | ●      | 2   |
| MPS1-0470-L10C   |      | 10    | 105.9 | 47.9  | 65.9  | 68.9  | 105 | 0.9 | 6    | □      | 2   |
| MPS1-0470-L12C   |      | 12    | 115.9 | 57.3  | 75.9  | 78.9  | 115 | 0.9 | 6    | ●      | 2   |
| MPS1-0470-L15C   |      | 15    | 130.9 | 71.4  | 90.9  | 93.9  | 130 | 0.9 | 6    | ●      | 2   |
| MPS1-0470-L20C   |      | 20    | 155.9 | 94.9  | 115.9 | 118.9 | 155 | 0.9 | 6    | ●      | 2   |
| MPS1-0470-L25C   |      | 25    | 180.9 | 118.4 | 140.9 | 143.9 | 180 | 0.9 | 6    | ●      | 2   |
| MPS1-0470-L30C   |      | 30    | 205.9 | 141.9 | 165.9 | 168.9 | 205 | 0.9 | 6    | ●      | 2   |
| MPS1-0470-L35C   |      | 35    | 229.9 | 165.4 | 184.9 | 192.9 | 229 | 0.9 | 6    | □      | 2   |
| MPS1-0470-L40C   |      | 40    | 254.9 | 188.9 | 204.9 | 217.9 | 254 | 0.9 | 6    | ●      | 2   |
| MPS1-0480S-DIN   | 4.8  | 3     | 65.9  | 20.7  | 27.9  | 28.9  | 65  | 0.9 | 6    | □      | 4   |
| MPS1-0480S-DIN-C |      | 3     | 65.9  | 20.7  | 27.9  | 28.9  | 65  | 0.9 | 6    | ●      | 2   |
| MPS1-0480L-DIN   |      | 5     | 81.9  | 36.7  | 43.9  | 44.9  | 81  | 0.9 | 6    | □      | 4   |
| MPS1-0480L-DIN-C |      | 5     | 81.9  | 36.7  | 43.9  | 44.9  | 81  | 0.9 | 6    | ●      | 2   |
| MPS1-0480-PC     |      | 2     | 62.8  | 10.4  | 24.8  | 27.8  | 62  | 0.8 | 6    | ●      | 2   |
| MPS1-0480-L8C    |      | 8     | 96.0  | 39.4  | 56.0  | 59.0  | 95  | 1.0 | 6    | ●      | 2   |
| MPS1-0480-L10C   |      | 10    | 105.9 | 48.9  | 65.9  | 68.9  | 105 | 0.9 | 6    | □      | 2   |
| MPS1-0480-L12C   |      | 12    | 115.9 | 58.5  | 75.9  | 78.9  | 115 | 0.9 | 6    | ●      | 2   |
| MPS1-0480-L15C   |      | 15    | 130.9 | 72.9  | 90.9  | 93.9  | 130 | 0.9 | 6    | ●      | 2   |
| MPS1-0480-L20C   |      | 20    | 155.9 | 96.9  | 115.9 | 118.9 | 155 | 0.9 | 6    | ●      | 2   |
| MPS1-0480-L25C   |      | 25    | 180.9 | 120.9 | 140.9 | 143.9 | 180 | 0.9 | 6    | ●      | 2   |
| MPS1-0480-L30C   |      | 30    | 205.9 | 144.9 | 165.9 | 168.9 | 205 | 0.9 | 6    | ●      | 2   |
| MPS1-0480-L35C   |      | 35    | 229.9 | 168.9 | 190.9 | 192.9 | 229 | 0.9 | 6    | □      | 2   |
| MPS1-0480-L40C   |      | 40    | 254.9 | 192.9 | 215.9 | 217.9 | 254 | 0.9 | 6    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0490S-DIN   | 4.9  | 3     | 65.9  | 20.5  | 27.9  | 28.9  | 65  | 0.9 | 6    | □      | 4   |
| MPS1-0490S-DIN-C |      | 3     | 65.9  | 20.5  | 27.9  | 28.9  | 65  | 0.9 | 6    | ●      | 2   |
| MPS1-0490L-DIN   |      | 5     | 81.9  | 36.5  | 43.9  | 44.9  | 81  | 0.9 | 6    | □      | 4   |
| MPS1-0490L-DIN-C |      | 5     | 81.9  | 36.5  | 43.9  | 44.9  | 81  | 0.9 | 6    | ●      | 2   |
| MPS1-0490-PC     |      | 2     | 62.8  | 10.6  | 24.8  | 27.8  | 62  | 0.8 | 6    | ●      | 2   |
| MPS1-0490-L8C    |      | 8     | 96.0  | 40.2  | 56.0  | 59.0  | 95  | 1.0 | 6    | ●      | 2   |
| MPS1-0490-L10C   |      | 10    | 105.9 | 49.9  | 65.9  | 68.9  | 105 | 0.9 | 6    | □      | 2   |
| MPS1-0490-L12C   |      | 12    | 115.9 | 59.7  | 75.9  | 78.9  | 115 | 0.9 | 6    | ●      | 2   |
| MPS1-0490-L15C   |      | 15    | 130.9 | 74.4  | 90.9  | 93.9  | 130 | 0.9 | 6    | ●      | 2   |
| MPS1-0490-L20C   |      | 20    | 155.9 | 98.9  | 115.9 | 118.9 | 155 | 0.9 | 6    | ●      | 2   |
| MPS1-0490-L25C   |      | 25    | 180.9 | 123.4 | 140.9 | 143.9 | 180 | 0.9 | 6    | ●      | 2   |
| MPS1-0490-L30C   |      | 30    | 205.9 | 147.9 | 165.9 | 168.9 | 205 | 0.9 | 6    | ●      | 2   |
| MPS1-0490-L35C   |      | 35    | 229.9 | 172.4 | 190.9 | 192.9 | 229 | 0.9 | 6    | □      | 2   |
| MPS1-0490-L40C   |      | 40    | 254.9 | 196.9 | 215.9 | 217.9 | 254 | 0.9 | 6    | ●      | 2   |
| MPS1-0500S-DIN   | 5.0  | 3     | 65.9  | 20.4  | 27.9  | 28.9  | 65  | 0.9 | 6    | □      | 4   |
| MPS1-0500S-DIN-C |      | 3     | 65.9  | 20.4  | 27.9  | 28.9  | 65  | 0.9 | 6    | ●      | 2   |
| MPS1-0500L-DIN   |      | 5     | 81.9  | 36.4  | 43.9  | 44.9  | 81  | 0.9 | 6    | □      | 4   |
| MPS1-0500L-DIN-C |      | 5     | 81.9  | 36.4  | 43.9  | 44.9  | 81  | 0.9 | 6    | ●      | 2   |
| MPS1-0500-PC     |      | 2     | 62.8  | 10.8  | 24.8  | 25.8  | 62  | 0.8 | 6    | ●      | 2   |
| MPS1-0500-L8C    |      | 8     | 96.0  | 41.0  | 56.0  | 59.0  | 95  | 1.0 | 6    | ●      | 2   |
| MPS1-0500-L10C   |      | 10    | 105.9 | 50.9  | 65.9  | 68.9  | 105 | 0.9 | 6    | ●      | 2   |
| MPS1-0500-L12C   |      | 12    | 115.9 | 60.9  | 75.9  | 78.9  | 115 | 0.9 | 6    | ●      | 2   |
| MPS1-0500-L15C   |      | 15    | 130.9 | 75.9  | 90.9  | 93.9  | 130 | 0.9 | 6    | ●      | 2   |
| MPS1-0500-L20C   |      | 20    | 155.9 | 100.9 | 115.9 | 118.9 | 155 | 0.9 | 6    | ●      | 2   |
| MPS1-0500-L25C   |      | 25    | 180.9 | 125.9 | 140.9 | 143.9 | 180 | 0.9 | 6    | ●      | 2   |
| MPS1-0500-L30C   |      | 30    | 205.9 | 150.9 | 165.9 | 168.9 | 205 | 0.9 | 6    | ●      | 2   |
| MPS1-0500-L35C   |      | 35    | 229.9 | 175.9 | 190.9 | 192.9 | 229 | 0.9 | 6    | □      | 2   |
| MPS1-0500-L40C   |      | 40    | 254.9 | 200.9 | 215.9 | 217.9 | 254 | 0.9 | 6    | ●      | 2   |
| MPS1-0505S-DIN   | 5.05 | 3     | 65.9  | 20.3  | 27.9  | 28.9  | 65  | 0.9 | 6    | □      | 4   |
| MPS1-0505S-DIN-C |      | 3     | 65.9  | 20.3  | 27.9  | 28.9  | 65  | 0.9 | 6    | ●      | 2   |
| MPS1-0505L-DIN   |      | 5     | 81.9  | 36.3  | 43.9  | 44.9  | 81  | 0.9 | 6    | □      | 4   |
| MPS1-0505L-DIN-C |      | 5     | 81.9  | 36.3  | 43.9  | 44.9  | 81  | 0.9 | 6    | ●      | 2   |
| MPS1-0510S-DIN   | 5.1  | 3     | 65.9  | 20.3  | 27.9  | 28.9  | 65  | 0.9 | 6    | □      | 4   |
| MPS1-0510S-DIN-C |      | 3     | 65.9  | 20.3  | 27.9  | 28.9  | 65  | 0.9 | 6    | ●      | 2   |
| MPS1-0510L-DIN   |      | 5     | 81.9  | 36.3  | 43.9  | 44.9  | 81  | 0.9 | 6    | □      | 4   |
| MPS1-0510L-DIN-C |      | 5     | 81.9  | 36.3  | 43.9  | 44.9  | 81  | 0.9 | 6    | ●      | 2   |
| MPS1-0510-PC     |      | 2     | 66.8  | 11.0  | 26.8  | 28.8  | 66  | 0.8 | 6    | ●      | 2   |
| MPS1-0510-L8C    |      | 8     | 102.1 | 41.9  | 62.1  | 65.1  | 101 | 1.1 | 6    | ●      | 2   |
| MPS1-0510-L10C   |      | 10    | 112.9 | 51.9  | 72.9  | 75.9  | 112 | 0.9 | 6    | □      | 2   |
| MPS1-0510-L12C   |      | 12    | 123.9 | 62.1  | 83.9  | 86.9  | 123 | 0.9 | 6    | ●      | 2   |
| MPS1-0510-L15C   |      | 15    | 139.9 | 77.4  | 99.9  | 102.9 | 139 | 0.9 | 6    | ●      | 2   |
| MPS1-0510-L20C   |      | 20    | 167.9 | 102.9 | 127.9 | 130.9 | 167 | 0.9 | 6    | ●      | 2   |
| MPS1-0510-L25C   |      | 25    | 194.9 | 128.4 | 154.9 | 157.9 | 194 | 0.9 | 6    | ●      | 2   |
| MPS1-0510-L30C   |      | 30    | 222.9 | 153.9 | 182.9 | 185.9 | 222 | 0.9 | 6    | ●      | 2   |
| MPS1-0510-L35C   |      | 35    | 248.9 | 179.4 | 203.9 | 211.9 | 248 | 0.9 | 6    | □      | 2   |
| MPS1-0510-L40C   |      | 40    | 278.9 | 204.9 | 230.9 | 241.9 | 278 | 0.9 | 6    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0520S-DIN   | 5.2 | 3     | 65.9  | 20.1  | 27.9  | 28.9  | 65  | 0.9 | 6    | □      | 4   |
| MPS1-0520S-DIN-C |     | 3     | 65.9  | 20.1  | 27.9  | 28.9  | 65  | 0.9 | 6    | ●      | 2   |
| MPS1-0520L-DIN   |     | 5     | 81.9  | 36.1  | 43.9  | 44.9  | 81  | 0.9 | 6    | □      | 4   |
| MPS1-0520L-DIN-C |     | 5     | 81.9  | 36.1  | 43.9  | 44.9  | 81  | 0.9 | 6    | ●      | 2   |
| MPS1-0520-PC     |     | 2     | 66.8  | 11.2  | 26.8  | 28.8  | 66  | 0.8 | 6    | ●      | 2   |
| MPS1-0520-L8C    |     | 8     | 102.1 | 42.7  | 62.1  | 65.1  | 101 | 1.1 | 6    | ●      | 2   |
| MPS1-0520-L10C   |     | 10    | 112.9 | 52.9  | 72.9  | 75.9  | 112 | 0.9 | 6    | □      | 2   |
| MPS1-0520-L12C   |     | 12    | 123.9 | 63.3  | 83.9  | 86.9  | 123 | 0.9 | 6    | ●      | 2   |
| MPS1-0520-L15C   |     | 15    | 139.9 | 78.9  | 99.9  | 102.9 | 139 | 0.9 | 6    | ●      | 2   |
| MPS1-0520-L20C   |     | 20    | 167.9 | 104.9 | 127.9 | 130.9 | 167 | 0.9 | 6    | ●      | 2   |
| MPS1-0520-L25C   |     | 25    | 194.9 | 130.9 | 154.9 | 157.9 | 194 | 0.9 | 6    | ●      | 2   |
| MPS1-0520-L30C   |     | 30    | 222.9 | 156.9 | 182.9 | 185.9 | 222 | 0.9 | 6    | ●      | 2   |
| MPS1-0520-L35C   |     | 35    | 248.9 | 182.9 | 203.9 | 211.9 | 248 | 0.9 | 6    | □      | 2   |
| MPS1-0520-L40C   |     | 40    | 278.9 | 208.9 | 230.9 | 241.9 | 278 | 0.9 | 6    | ●      | 2   |
| MPS1-0530S-DIN   | 5.3 | 3     | 66.0  | 20.0  | 28.0  | 29.0  | 65  | 1.0 | 6    | □      | 4   |
| MPS1-0530S-DIN-C |     | 3     | 66.0  | 20.0  | 28.0  | 29.0  | 65  | 1.0 | 6    | ●      | 2   |
| MPS1-0530L-DIN   |     | 5     | 82.0  | 36.0  | 44.0  | 45.0  | 81  | 1.0 | 6    | □      | 4   |
| MPS1-0530L-DIN-C |     | 5     | 82.0  | 36.0  | 44.0  | 45.0  | 81  | 1.0 | 6    | ●      | 2   |
| MPS1-0530-PC     |     | 2     | 66.8  | 11.4  | 26.8  | 28.8  | 66  | 0.8 | 6    | ●      | 2   |
| MPS1-0530-L8C    |     | 8     | 102.1 | 43.5  | 62.1  | 65.1  | 101 | 1.1 | 6    | ●      | 2   |
| MPS1-0530-L10C   |     | 10    | 113.0 | 54.0  | 73.0  | 76.0  | 112 | 1.0 | 6    | □      | 2   |
| MPS1-0530-L12C   |     | 12    | 124.0 | 64.6  | 84.0  | 87.0  | 123 | 1.0 | 6    | ●      | 2   |
| MPS1-0530-L15C   |     | 15    | 140.0 | 80.5  | 100.0 | 103.0 | 139 | 1.0 | 6    | ●      | 2   |
| MPS1-0530-L20C   |     | 20    | 168.0 | 107.0 | 128.0 | 131.0 | 167 | 1.0 | 6    | □      | 2   |
| MPS1-0530-L25C   |     | 25    | 195.0 | 133.5 | 155.0 | 158.0 | 194 | 1.0 | 6    | ●      | 2   |
| MPS1-0530-L30C   |     | 30    | 223.0 | 160.0 | 183.0 | 186.0 | 222 | 1.0 | 6    | ●      | 2   |
| MPS1-0530-L35C   |     | 35    | 249.0 | 186.5 | 210.0 | 212.0 | 248 | 1.0 | 6    | □      | 2   |
| MPS1-0530-L40C   |     | 40    | 279.0 | 213.0 | 241.0 | 242.0 | 278 | 1.0 | 6    | ●      | 2   |
| MPS1-0540S-DIN   | 5.4 | 3     | 66.0  | 19.9  | 28.0  | 29.0  | 65  | 1.0 | 6    | □      | 2   |
| MPS1-0540S-DIN-C |     | 3     | 66.0  | 19.9  | 28.0  | 29.0  | 65  | 1.0 | 6    | ●      | 4   |
| MPS1-0540L-DIN   |     | 5     | 82.0  | 35.9  | 44.0  | 45.0  | 81  | 1.0 | 6    | □      | 4   |
| MPS1-0540L-DIN-C |     | 5     | 82.0  | 35.9  | 44.0  | 45.0  | 81  | 1.0 | 6    | ●      | 2   |
| MPS1-0540-PC     |     | 2     | 66.9  | 11.7  | 26.9  | 28.9  | 66  | 0.9 | 6    | ●      | 2   |
| MPS1-0540-L8C    |     | 8     | 102.1 | 44.3  | 62.1  | 65.1  | 101 | 1.1 | 6    | ●      | 2   |
| MPS1-0540-L10C   |     | 10    | 113.0 | 55.0  | 73.0  | 76.0  | 112 | 1.0 | 6    | □      | 2   |
| MPS1-0540-L12C   |     | 12    | 124.0 | 65.8  | 84.0  | 87.0  | 123 | 1.0 | 6    | ●      | 2   |
| MPS1-0540-L15C   |     | 15    | 140.0 | 82.0  | 100.0 | 103.0 | 139 | 1.0 | 6    | ●      | 2   |
| MPS1-0540-L20C   |     | 20    | 168.0 | 109.0 | 128.0 | 131.0 | 167 | 1.0 | 6    | □      | 2   |
| MPS1-0540-L25C   |     | 25    | 195.0 | 136.0 | 155.0 | 158.0 | 194 | 1.0 | 6    | □      | 2   |
| MPS1-0540-L30C   |     | 30    | 223.0 | 163.0 | 183.0 | 186.0 | 222 | 1.0 | 6    | □      | 2   |
| MPS1-0540-L35C   |     | 35    | 249.0 | 190.0 | 210.0 | 212.0 | 248 | 1.0 | 6    | □      | 2   |
| MPS1-0540-L40C   |     | 40    | 279.0 | 217.0 | 241.0 | 242.0 | 278 | 1.0 | 6    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0550S-DIN   | 5.5  | 3     | 66.0  | 19.8  | 28.0  | 29.0  | 65  | 1.0 | 6    | □      | 4   |
| MPS1-0550S-DIN-C |      | 3     | 66.0  | 19.8  | 28.0  | 29.0  | 65  | 1.0 | 6    | ●      | 2   |
| MPS1-0550L-DIN   |      | 5     | 82.0  | 35.8  | 44.0  | 45.0  | 81  | 1.0 | 6    | □      | 4   |
| MPS1-0550L-DIN-C |      | 5     | 82.0  | 35.8  | 44.0  | 45.0  | 81  | 1.0 | 6    | ●      | 2   |
| MPS1-0550-PC     |      | 2     | 66.9  | 11.9  | 26.9  | 28.9  | 66  | 0.9 | 6    | ●      | 2   |
| MPS1-0550-L8C    |      | 8     | 102.1 | 45.1  | 62.1  | 65.1  | 101 | 1.1 | 6    | ●      | 2   |
| MPS1-0550-L10C   |      | 10    | 113.0 | 56.0  | 73.0  | 76.0  | 112 | 1.0 | 6    | □      | 2   |
| MPS1-0550-L12C   |      | 12    | 124.0 | 67.0  | 84.0  | 87.0  | 123 | 1.0 | 6    | ●      | 2   |
| MPS1-0550-L15C   |      | 15    | 140.0 | 83.5  | 100.0 | 103.0 | 139 | 1.0 | 6    | ●      | 2   |
| MPS1-0550-L20C   |      | 20    | 168.0 | 111.0 | 128.0 | 131.0 | 167 | 1.0 | 6    | ●      | 2   |
| MPS1-0550-L25C   |      | 25    | 195.0 | 138.5 | 155.0 | 158.0 | 194 | 1.0 | 6    | ●      | 2   |
| MPS1-0550-L30C   |      | 30    | 223.0 | 166.0 | 183.0 | 186.0 | 222 | 1.0 | 6    | ●      | 2   |
| MPS1-0550-L35C   |      | 35    | 249.0 | 193.5 | 210.0 | 212.0 | 248 | 1.0 | 6    | □      | 2   |
| MPS1-0550-L40C   |      | 40    | 279.0 | 221.0 | 241.0 | 242.0 | 278 | 1.0 | 6    | ●      | 2   |
| MPS1-0555S-DIN   | 5.55 | 3     | 66.0  | 19.7  | 28.0  | 29.0  | 65  | 1.0 | 6    | □      | 4   |
| MPS1-0555S-DIN-C |      | 3     | 66.0  | 19.7  | 28.0  | 29.0  | 65  | 1.0 | 6    | ●      | 2   |
| MPS1-0555L-DIN   |      | 5     | 82.0  | 35.7  | 44.0  | 45.0  | 81  | 1.0 | 6    | □      | 4   |
| MPS1-0555L-DIN-C |      | 5     | 82.0  | 35.7  | 44.0  | 45.0  | 81  | 1.0 | 6    | ●      | 2   |
| MPS1-0560S-DIN   | 5.6  | 3     | 66.0  | 19.6  | 28.0  | 29.0  | 65  | 1.0 | 6    | □      | 4   |
| MPS1-0560S-DIN-C |      | 3     | 66.0  | 19.6  | 28.0  | 29.0  | 65  | 1.0 | 6    | ●      | 2   |
| MPS1-0560L-DIN   |      | 5     | 82.0  | 35.6  | 44.0  | 45.0  | 81  | 1.0 | 6    | □      | 4   |
| MPS1-0560L-DIN-C |      | 5     | 82.0  | 35.6  | 44.0  | 45.0  | 81  | 1.0 | 6    | ●      | 2   |
| MPS1-0560-PC     |      | 2     | 66.9  | 12.1  | 28.9  | 28.9  | 66  | 0.9 | 6    | ●      | 2   |
| MPS1-0560-L8C    |      | 8     | 107.2 | 46.0  | 67.2  | 70.2  | 106 | 1.2 | 6    | ●      | 2   |
| MPS1-0560-L10C   |      | 10    | 119.0 | 57.0  | 79.0  | 82.0  | 118 | 1.0 | 6    | □      | 2   |
| MPS1-0560-L12C   |      | 12    | 131.0 | 68.2  | 91.0  | 94.0  | 130 | 1.0 | 6    | ●      | 2   |
| MPS1-0560-L15C   |      | 15    | 149.0 | 85.0  | 109.0 | 112.0 | 148 | 1.0 | 6    | ●      | 2   |
| MPS1-0560-L20C   |      | 20    | 179.0 | 113.0 | 139.0 | 142.0 | 178 | 1.0 | 6    | □      | 2   |
| MPS1-0560-L25C   |      | 25    | 209.0 | 141.0 | 169.0 | 172.0 | 208 | 1.0 | 6    | □      | 2   |
| MPS1-0560-L30C   |      | 30    | 239.0 | 169.0 | 199.0 | 202.0 | 238 | 1.0 | 6    | ●      | 2   |
| MPS1-0560-L35C   |      | 35    | 268.0 | 197.0 | 223.0 | 231.0 | 267 | 1.0 | 6    | □      | 2   |
| MPS1-0560-L40C   |      | 40    | 299.0 | 225.0 | 251.0 | 262.0 | 298 | 1.0 | 6    | ●      | 2   |
| MPS1-0570S-DIN   | 5.7  | 3     | 66.0  | 19.5  | 28.0  | 29.0  | 65  | 1.0 | 6    | □      | 4   |
| MPS1-0570S-DIN-C |      | 3     | 66.0  | 19.5  | 28.0  | 29.0  | 65  | 1.0 | 6    | ●      | 2   |
| MPS1-0570L-DIN   |      | 5     | 82.0  | 35.5  | 44.0  | 45.0  | 81  | 1.0 | 6    | □      | 4   |
| MPS1-0570L-DIN-C |      | 5     | 82.0  | 35.5  | 44.0  | 45.0  | 81  | 1.0 | 6    | ●      | 2   |
| MPS1-0570-PC     |      | 2     | 66.9  | 12.3  | 28.9  | 28.9  | 66  | 0.9 | 6    | ●      | 2   |
| MPS1-0570-L8C    |      | 8     | 107.2 | 46.8  | 67.2  | 70.2  | 106 | 1.2 | 6    | ●      | 2   |
| MPS1-0570-L10C   |      | 10    | 119.0 | 58.0  | 79.0  | 82.0  | 118 | 1.0 | 6    | □      | 2   |
| MPS1-0570-L12C   |      | 12    | 131.0 | 69.4  | 91.0  | 94.0  | 130 | 1.0 | 6    | ●      | 2   |
| MPS1-0570-L15C   |      | 15    | 149.0 | 86.5  | 109.0 | 112.0 | 148 | 1.0 | 6    | ●      | 2   |
| MPS1-0570-L20C   |      | 20    | 179.0 | 115.0 | 139.0 | 142.0 | 178 | 1.0 | 6    | □      | 2   |
| MPS1-0570-L25C   |      | 25    | 209.0 | 143.5 | 169.0 | 172.0 | 208 | 1.0 | 6    | ●      | 2   |
| MPS1-0570-L30C   |      | 30    | 239.0 | 172.0 | 199.0 | 202.0 | 238 | 1.0 | 6    | □      | 2   |
| MPS1-0570-L35C   |      | 35    | 268.0 | 200.5 | 223.0 | 231.0 | 267 | 1.0 | 6    | □      | 2   |
| MPS1-0570-L40C   |      | 40    | 299.0 | 229.0 | 251.0 | 262.0 | 298 | 1.0 | 6    | ●      | 2   |

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## MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0580S-DIN   | 5.8  | 3     | 66.1  | 19.4  | 28.1  | 29.1  | 65  | 1.1 | 6    | □      | 4   |
| MPS1-0580S-DIN-C |      | 3     | 66.1  | 19.4  | 28.1  | 29.1  | 65  | 1.1 | 6    | ●      | 2   |
| MPS1-0580L-DIN   |      | 5     | 82.1  | 35.4  | 44.1  | 45.1  | 81  | 1.1 | 6    | □      | 4   |
| MPS1-0580L-DIN-C |      | 5     | 82.1  | 35.4  | 44.1  | 45.1  | 81  | 1.1 | 6    | ●      | 2   |
| MPS1-0580-PC     |      | 2     | 66.9  | 12.5  | 28.9  | 28.9  | 66  | 0.9 | 6    | ●      | 2   |
| MPS1-0580-L8C    |      | 8     | 107.2 | 47.6  | 67.2  | 70.2  | 106 | 1.2 | 6    | ●      | 2   |
| MPS1-0580-L10C   |      | 10    | 119.1 | 59.1  | 79.1  | 82.1  | 118 | 1.1 | 6    | □      | 2   |
| MPS1-0580-L12C   |      | 12    | 131.1 | 70.7  | 91.1  | 94.1  | 130 | 1.1 | 6    | ●      | 2   |
| MPS1-0580-L15C   |      | 15    | 149.1 | 88.1  | 109.1 | 112.1 | 148 | 1.1 | 6    | ●      | 2   |
| MPS1-0580-L20C   |      | 20    | 179.1 | 117.1 | 139.1 | 142.1 | 178 | 1.1 | 6    | ●      | 2   |
| MPS1-0580-L25C   |      | 25    | 209.1 | 146.1 | 169.1 | 172.1 | 208 | 1.1 | 6    | □      | 2   |
| MPS1-0580-L30C   |      | 30    | 239.1 | 175.1 | 199.1 | 202.1 | 238 | 1.1 | 6    | ●      | 2   |
| MPS1-0580-L35C   |      | 35    | 268.1 | 204.1 | 229.1 | 231.1 | 267 | 1.1 | 6    | □      | 2   |
| MPS1-0580-L40C   |      | 40    | 299.1 | 233.1 | 261.1 | 262.1 | 298 | 1.1 | 6    | ●      | 2   |
| MPS1-0590S-DIN   | 5.9  | 3     | 66.1  | 19.2  | 28.1  | 29.1  | 65  | 1.1 | 6    | □      | 4   |
| MPS1-0590S-DIN-C |      | 3     | 66.1  | 19.2  | 28.1  | 29.1  | 65  | 1.1 | 6    | ●      | 2   |
| MPS1-0590L-DIN   |      | 5     | 82.1  | 35.2  | 44.1  | 45.1  | 81  | 1.1 | 6    | □      | 4   |
| MPS1-0590L-DIN-C |      | 5     | 82.1  | 35.2  | 44.1  | 45.1  | 81  | 1.1 | 6    | ●      | 2   |
| MPS1-0590-PC     |      | 2     | 66.9  | 12.7  | 28.9  | 28.9  | 66  | 0.9 | 6    | ●      | 2   |
| MPS1-0590-L8C    |      | 8     | 107.2 | 48.4  | 67.2  | 70.2  | 106 | 1.2 | 6    | ●      | 2   |
| MPS1-0590-L10C   |      | 10    | 119.1 | 60.1  | 79.1  | 82.1  | 118 | 1.1 | 6    | □      | 2   |
| MPS1-0590-L12C   |      | 12    | 131.1 | 71.9  | 91.1  | 94.1  | 130 | 1.1 | 6    | ●      | 2   |
| MPS1-0590-L15C   |      | 15    | 149.1 | 89.6  | 109.1 | 112.1 | 148 | 1.1 | 6    | ●      | 2   |
| MPS1-0590-L20C   |      | 20    | 179.1 | 119.1 | 139.1 | 142.1 | 178 | 1.1 | 6    | ●      | 2   |
| MPS1-0590-L25C   |      | 25    | 209.1 | 148.6 | 169.1 | 172.1 | 208 | 1.1 | 6    | ●      | 2   |
| MPS1-0590-L30C   |      | 30    | 239.1 | 178.1 | 199.1 | 202.1 | 238 | 1.1 | 6    | □      | 2   |
| MPS1-0590-L35C   |      | 35    | 268.1 | 207.6 | 229.1 | 231.1 | 267 | 1.1 | 6    | □      | 2   |
| MPS1-0590-L40C   |      | 40    | 299.1 | 237.1 | 261.1 | 262.1 | 298 | 1.1 | 6    | ●      | 2   |
| MPS1-0600S-DIN   | 6.0  | 3     | 66.1  | 19.1  | 28.1  | 29.1  | 65  | 1.1 | 6    | □      | 4   |
| MPS1-0600S-DIN-C |      | 3     | 66.1  | 19.1  | 28.1  | 29.1  | 65  | 1.1 | 6    | ●      | 2   |
| MPS1-0600L-DIN   |      | 5     | 82.1  | 35.1  | 44.1  | 45.1  | 81  | 1.1 | 6    | □      | 4   |
| MPS1-0600L-DIN-C |      | 5     | 82.1  | 35.1  | 44.1  | 45.1  | 81  | 1.1 | 6    | ●      | 2   |
| MPS1-0600-PC     |      | 2     | 66.9  | 12.9  | 28.9  | 28.9  | 66  | 0.9 | 6    | ●      | 2   |
| MPS1-0600-L8C    |      | 8     | 107.2 | 49.2  | 67.2  | 70.2  | 106 | 1.2 | 6    | ●      | 2   |
| MPS1-0600-L10C   |      | 10    | 119.1 | 61.1  | 79.1  | 82.1  | 118 | 1.1 | 6    | □      | 2   |
| MPS1-0600-L12C   |      | 12    | 131.1 | 73.1  | 91.1  | 94.1  | 130 | 1.1 | 6    | ●      | 2   |
| MPS1-0600-L15C   |      | 15    | 149.1 | 91.1  | 109.1 | 112.1 | 148 | 1.1 | 6    | ●      | 2   |
| MPS1-0600-L20C   |      | 20    | 179.1 | 121.1 | 139.1 | 142.1 | 178 | 1.1 | 6    | ●      | 2   |
| MPS1-0600-L25C   |      | 25    | 209.1 | 151.1 | 169.1 | 172.1 | 208 | 1.1 | 6    | ●      | 2   |
| MPS1-0600-L30C   |      | 30    | 239.1 | 181.1 | 199.1 | 202.1 | 238 | 1.1 | 6    | ●      | 2   |
| MPS1-0600-L35C   |      | 35    | 268.1 | 211.1 | 229.1 | 231.1 | 267 | 1.1 | 6    | □      | 2   |
| MPS1-0600-L40C   |      | 40    | 299.1 | 241.1 | 261.1 | 262.1 | 298 | 1.1 | 6    | ●      | 2   |
| MPS1-0605S-DIN   | 6.05 | 3     | 79.1  | 25.0  | 34.1  | 42.1  | 78  | 1.1 | 8    | □      | 4   |
| MPS1-0605S-DIN-C |      | 3     | 79.1  | 25.0  | 34.1  | 42.1  | 78  | 1.1 | 8    | ●      | 2   |
| MPS1-0605L-DIN   |      | 5     | 91.1  | 44.0  | 53.1  | 54.1  | 90  | 1.1 | 8    | □      | 4   |
| MPS1-0605L-DIN-C |      | 5     | 91.1  | 44.0  | 53.1  | 54.1  | 90  | 1.1 | 8    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0610S-DIN   |     | 3     | 79.1  | 25.0  | 34.1  | 42.1  | 78  | 1.1 | 8    | □      | 4   |
| MPS1-0610S-DIN-C |     | 3     | 79.1  | 25.0  | 34.1  | 42.1  | 78  | 1.1 | 8    | ●      | 2   |
| MPS1-0610L-DIN   |     | 5     | 91.1  | 44.0  | 53.1  | 54.1  | 90  | 1.1 | 8    | □      | 4   |
| MPS1-0610L-DIN-C |     | 5     | 91.1  | 44.0  | 53.1  | 54.1  | 90  | 1.1 | 8    | ●      | 2   |
| MPS1-0610-PC     |     | 2     | 75.0  | 13.2  | 32.0  | 35.0  | 74  | 1.0 | 8    | ●      | 2   |
| MPS1-0610-L8C    |     | 8     | 113.3 | 50.1  | 73.3  | 76.3  | 112 | 1.3 | 8    | ●      | 2   |
| MPS1-0610-L10C   | 6.1 | 10    | 126.1 | 62.1  | 86.1  | 89.1  | 125 | 1.1 | 8    | □      | 2   |
| MPS1-0610-L12C   |     | 12    | 139.1 | 74.3  | 99.1  | 102.1 | 138 | 1.1 | 8    | ●      | 2   |
| MPS1-0610-L15C   |     | 15    | 158.1 | 92.6  | 118.1 | 121.1 | 157 | 1.1 | 8    | ●      | 2   |
| MPS1-0610-L20C   |     | 20    | 191.1 | 123.1 | 151.1 | 154.1 | 190 | 1.1 | 8    | ●      | 2   |
| MPS1-0610-L25C   |     | 25    | 223.1 | 153.6 | 183.1 | 186.1 | 222 | 1.1 | 8    | ●      | 2   |
| MPS1-0610-L30C   |     | 30    | 256.1 | 184.1 | 216.1 | 219.1 | 255 | 1.1 | 8    | ●      | 2   |
| MPS1-0610-L35C   |     | 35    | 287.1 | 214.6 | 241.1 | 250.1 | 286 | 1.1 | 8    | □      | 2   |
| MPS1-0610-L40C   |     | 40    | 321.1 | 245.1 | 271.1 | 284.1 | 320 | 1.1 | 8    | ●      | 2   |
| MPS1-0620S-DIN   |     | 3     | 79.1  | 24.8  | 34.1  | 42.1  | 78  | 1.1 | 8    | □      | 4   |
| MPS1-0620S-DIN-C |     | 3     | 79.1  | 24.8  | 34.1  | 42.1  | 78  | 1.1 | 8    | ●      | 2   |
| MPS1-0620L-DIN   |     | 5     | 91.1  | 43.8  | 53.1  | 54.1  | 90  | 1.1 | 8    | □      | 4   |
| MPS1-0620L-DIN-C |     | 5     | 91.1  | 43.8  | 53.1  | 54.1  | 90  | 1.1 | 8    | ●      | 2   |
| MPS1-0620-PC     |     | 2     | 75.0  | 13.4  | 32.0  | 35.0  | 74  | 1.0 | 8    | ●      | 2   |
| MPS1-0620-L8C    |     | 8     | 113.3 | 50.9  | 73.3  | 76.3  | 112 | 1.3 | 8    | ●      | 2   |
| MPS1-0620-L10C   | 6.2 | 10    | 126.1 | 63.1  | 86.1  | 89.1  | 125 | 1.1 | 8    | □      | 2   |
| MPS1-0620-L12C   |     | 12    | 139.1 | 75.5  | 99.1  | 102.1 | 138 | 1.1 | 8    | ●      | 2   |
| MPS1-0620-L15C   |     | 15    | 158.1 | 94.1  | 118.1 | 121.1 | 157 | 1.1 | 8    | ●      | 2   |
| MPS1-0620-L20C   |     | 20    | 191.1 | 125.1 | 151.1 | 154.1 | 190 | 1.1 | 8    | ●      | 2   |
| MPS1-0620-L25C   |     | 25    | 223.1 | 156.1 | 183.1 | 186.1 | 222 | 1.1 | 8    | □      | 2   |
| MPS1-0620-L30C   |     | 30    | 256.1 | 187.1 | 216.1 | 219.1 | 255 | 1.1 | 8    | ●      | 2   |
| MPS1-0620-L35C   |     | 35    | 287.1 | 218.1 | 241.1 | 250.1 | 286 | 1.1 | 8    | □      | 2   |
| MPS1-0620-L40C   |     | 40    | 321.1 | 249.1 | 271.1 | 284.1 | 320 | 1.1 | 8    | ●      | 2   |
| MPS1-0630S-DIN   |     | 3     | 79.1  | 24.7  | 34.1  | 42.1  | 78  | 1.1 | 8    | □      | 4   |
| MPS1-0630S-DIN-C |     | 3     | 79.1  | 24.7  | 34.1  | 42.1  | 78  | 1.1 | 8    | ●      | 2   |
| MPS1-0630L-DIN   |     | 5     | 91.1  | 43.7  | 53.1  | 54.1  | 90  | 1.1 | 8    | □      | 4   |
| MPS1-0630L-DIN-C |     | 5     | 91.1  | 43.7  | 53.1  | 54.1  | 90  | 1.1 | 8    | ●      | 2   |
| MPS1-0630-PC     |     | 2     | 75.0  | 13.6  | 32.0  | 35.0  | 74  | 1.0 | 8    | ●      | 2   |
| MPS1-0630-L8C    |     | 8     | 113.3 | 51.7  | 73.3  | 76.3  | 112 | 1.3 | 8    | ●      | 2   |
| MPS1-0630-L10C   | 6.3 | 10    | 126.1 | 64.1  | 86.1  | 89.1  | 125 | 1.1 | 8    | □      | 2   |
| MPS1-0630-L12C   |     | 12    | 139.1 | 76.7  | 99.1  | 102.1 | 138 | 1.1 | 8    | ●      | 2   |
| MPS1-0630-L15C   |     | 15    | 158.1 | 95.6  | 118.1 | 121.1 | 157 | 1.1 | 8    | ●      | 2   |
| MPS1-0630-L20C   |     | 20    | 191.1 | 127.1 | 151.1 | 154.1 | 190 | 1.1 | 8    | ●      | 2   |
| MPS1-0630-L25C   |     | 25    | 223.1 | 158.6 | 183.1 | 186.1 | 222 | 1.1 | 8    | □      | 2   |
| MPS1-0630-L30C   |     | 30    | 256.1 | 190.1 | 216.1 | 219.1 | 255 | 1.1 | 8    | ●      | 2   |
| MPS1-0630-L35C   |     | 35    | 287.1 | 221.6 | 248.1 | 250.1 | 286 | 1.1 | 8    | □      | 2   |
| MPS1-0630-L40C   |     | 40    | 321.1 | 253.1 | 281.1 | 284.1 | 320 | 1.1 | 8    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0640S-DIN   | 6.4 | 3     | 79.2  | 24.6  | 34.2  | 42.2  | 78  | 1.2 | 8    | □      | 4   |
| MPS1-0640S-DIN-C |     | 3     | 79.2  | 24.6  | 34.2  | 42.2  | 78  | 1.2 | 8    | ●      | 2   |
| MPS1-0640L-DIN   |     | 5     | 91.2  | 43.6  | 53.2  | 54.2  | 90  | 1.2 | 8    | □      | 4   |
| MPS1-0640L-DIN-C |     | 5     | 91.2  | 43.6  | 53.2  | 54.2  | 90  | 1.2 | 8    | ●      | 2   |
| MPS1-0640-PC     |     | 2     | 75.0  | 13.8  | 32.0  | 35.0  | 74  | 1.0 | 8    | ●      | 2   |
| MPS1-0640-L8C    |     | 8     | 113.3 | 52.5  | 73.3  | 76.3  | 112 | 1.3 | 8    | ●      | 2   |
| MPS1-0640-L10C   |     | 10    | 126.2 | 65.2  | 86.2  | 89.2  | 125 | 1.2 | 8    | □      | 2   |
| MPS1-0640-L12C   |     | 12    | 139.2 | 78.0  | 99.2  | 102.2 | 138 | 1.2 | 8    | ●      | 2   |
| MPS1-0640-L15C   |     | 15    | 158.2 | 97.2  | 118.2 | 121.2 | 157 | 1.2 | 8    | ●      | 2   |
| MPS1-0640-L20C   |     | 20    | 191.2 | 129.2 | 151.2 | 154.2 | 190 | 1.2 | 8    | ●      | 2   |
| MPS1-0640-L25C   |     | 25    | 223.2 | 161.2 | 183.2 | 186.2 | 222 | 1.2 | 8    | ●      | 2   |
| MPS1-0640-L30C   |     | 30    | 256.2 | 193.2 | 216.2 | 219.2 | 255 | 1.2 | 8    | ●      | 2   |
| MPS1-0640-L35C   |     | 35    | 287.2 | 225.2 | 248.2 | 250.2 | 286 | 1.2 | 8    | □      | 2   |
| MPS1-0640-L40C   |     | 40    | 321.2 | 257.2 | 281.2 | 284.2 | 320 | 1.2 | 8    | ●      | 2   |
| MPS1-0650S-DIN   | 6.5 | 3     | 79.2  | 24.4  | 34.2  | 42.2  | 78  | 1.2 | 8    | □      | 4   |
| MPS1-0650S-DIN-C |     | 3     | 79.2  | 24.4  | 34.2  | 42.2  | 78  | 1.2 | 8    | ●      | 2   |
| MPS1-0650L-DIN   |     | 5     | 91.2  | 43.4  | 53.2  | 54.2  | 90  | 1.2 | 8    | □      | 4   |
| MPS1-0650L-DIN-C |     | 5     | 91.2  | 43.4  | 53.2  | 54.2  | 90  | 1.2 | 8    | ●      | 2   |
| MPS1-0650-PC     |     | 2     | 75.0  | 14.0  | 32.0  | 35.0  | 74  | 1.0 | 8    | ●      | 2   |
| MPS1-0650-L8C    |     | 8     | 113.3 | 53.3  | 73.3  | 76.3  | 112 | 1.3 | 8    | ●      | 2   |
| MPS1-0650-L10C   |     | 10    | 126.2 | 66.2  | 86.2  | 89.2  | 125 | 1.2 | 8    | □      | 2   |
| MPS1-0650-L12C   |     | 12    | 139.2 | 79.2  | 99.2  | 102.2 | 138 | 1.2 | 8    | ●      | 2   |
| MPS1-0650-L15C   |     | 15    | 158.2 | 98.7  | 118.2 | 121.2 | 157 | 1.2 | 8    | ●      | 2   |
| MPS1-0650-L20C   |     | 20    | 191.2 | 131.2 | 151.2 | 154.2 | 190 | 1.2 | 8    | ●      | 2   |
| MPS1-0650-L25C   |     | 25    | 223.2 | 163.7 | 183.2 | 186.2 | 222 | 1.2 | 8    | ●      | 2   |
| MPS1-0650-L30C   |     | 30    | 256.2 | 196.2 | 216.2 | 219.2 | 255 | 1.2 | 8    | ●      | 2   |
| MPS1-0650-L35C   |     | 35    | 287.2 | 228.7 | 248.2 | 250.2 | 286 | 1.2 | 8    | □      | 2   |
| MPS1-0650-L40C   |     | 40    | 321.2 | 261.2 | 281.2 | 284.2 | 320 | 1.2 | 8    | ●      | 2   |
| MPS1-0660S-DIN   | 6.6 | 3     | 79.2  | 24.3  | 34.2  | 42.2  | 78  | 1.2 | 8    | □      | 4   |
| MPS1-0660S-DIN-C |     | 3     | 79.2  | 24.3  | 34.2  | 42.2  | 78  | 1.2 | 8    | ●      | 2   |
| MPS1-0660L-DIN   |     | 5     | 91.2  | 43.3  | 53.2  | 54.2  | 90  | 1.2 | 8    | □      | 4   |
| MPS1-0660L-DIN-C |     | 5     | 91.2  | 43.3  | 53.2  | 54.2  | 90  | 1.2 | 8    | ●      | 2   |
| MPS1-0660-PC     |     | 2     | 75.0  | 14.2  | 35.0  | 37.0  | 74  | 1.0 | 8    | ●      | 2   |
| MPS1-0660-L8C    |     | 8     | 118.4 | 54.2  | 78.4  | 81.4  | 117 | 1.4 | 8    | ●      | 2   |
| MPS1-0660-L10C   |     | 10    | 132.2 | 67.2  | 92.2  | 95.2  | 131 | 1.2 | 8    | □      | 2   |
| MPS1-0660-L12C   |     | 12    | 146.2 | 80.4  | 106.2 | 109.2 | 145 | 1.2 | 8    | ●      | 2   |
| MPS1-0660-L15C   |     | 15    | 167.2 | 100.2 | 127.2 | 130.2 | 166 | 1.2 | 8    | ●      | 2   |
| MPS1-0660-L20C   |     | 20    | 202.2 | 133.2 | 162.2 | 165.2 | 201 | 1.2 | 8    | □      | 2   |
| MPS1-0660-L25C   |     | 25    | 237.2 | 166.2 | 197.2 | 200.2 | 236 | 1.2 | 8    | ●      | 2   |
| MPS1-0660-L30C   |     | 30    | 272.2 | 199.2 | 232.2 | 235.2 | 271 | 1.2 | 8    | ●      | 2   |
| MPS1-0660-L35C   |     | 35    | 306.2 | 232.2 | 267.2 | 269.2 | 305 | 1.2 | 8    | □      | 2   |
| MPS1-0660-L40C   |     | 40    | 341.2 | 265.2 | 301.2 | 304.2 | 340 | 1.2 | 8    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0670S-DIN   |     | 3     | 79.2  | 24.2  | 34.2  | 42.2  | 78  | 1.2 | 8    | □      | 4   |
| MPS1-0670S-DIN-C |     | 3     | 79.2  | 24.2  | 34.2  | 42.2  | 78  | 1.2 | 8    | ●      | 2   |
| MPS1-0670L-DIN   |     | 5     | 91.2  | 43.2  | 53.2  | 54.2  | 90  | 1.2 | 8    | □      | 4   |
| MPS1-0670L-DIN-C |     | 5     | 91.2  | 43.2  | 53.2  | 54.2  | 90  | 1.2 | 8    | ●      | 2   |
| MPS1-0670-PC     |     | 2     | 75.1  | 14.5  | 35.1  | 37.1  | 74  | 1.1 | 8    | ●      | 2   |
| MPS1-0670-L8C    |     | 8     | 118.4 | 55.0  | 78.4  | 81.4  | 117 | 1.4 | 8    | ●      | 2   |
| MPS1-0670-L10C   | 6.7 | 10    | 132.2 | 68.2  | 92.2  | 95.2  | 131 | 1.2 | 8    | □      | 2   |
| MPS1-0670-L12C   |     | 12    | 146.2 | 81.6  | 106.2 | 109.2 | 145 | 1.2 | 8    | ●      | 2   |
| MPS1-0670-L15C   |     | 15    | 167.2 | 101.7 | 127.2 | 130.2 | 166 | 1.2 | 8    | ●      | 2   |
| MPS1-0670-L20C   |     | 20    | 202.2 | 135.2 | 162.2 | 165.2 | 201 | 1.2 | 8    | □      | 2   |
| MPS1-0670-L25C   |     | 25    | 237.2 | 168.7 | 197.2 | 200.2 | 236 | 1.2 | 8    | □      | 2   |
| MPS1-0670-L30C   |     | 30    | 272.2 | 202.2 | 232.2 | 235.2 | 271 | 1.2 | 8    | ●      | 2   |
| MPS1-0670-L35C   |     | 35    | 306.2 | 235.7 | 267.2 | 269.2 | 305 | 1.2 | 8    | □      | 2   |
| MPS1-0670-L40C   |     | 40    | 341.2 | 269.2 | 301.2 | 304.2 | 340 | 1.2 | 8    | □      | 2   |
| MPS1-0680S-DIN   |     | 3     | 79.2  | 24.0  | 34.2  | 42.2  | 78  | 1.2 | 8    | ●      | 4   |
| MPS1-0680S-DIN-C |     | 3     | 79.2  | 24.0  | 34.2  | 42.2  | 78  | 1.2 | 8    | ●      | 2   |
| MPS1-0680L-DIN   |     | 5     | 91.2  | 43.0  | 53.2  | 54.2  | 90  | 1.2 | 8    | □      | 4   |
| MPS1-0680L-DIN-C |     | 5     | 91.2  | 43.0  | 53.2  | 54.2  | 90  | 1.2 | 8    | ●      | 2   |
| MPS1-0680-PC     |     | 2     | 75.1  | 14.7  | 35.1  | 37.1  | 74  | 1.1 | 8    | ●      | 2   |
| MPS1-0680-L8C    |     | 8     | 118.4 | 55.8  | 78.4  | 81.4  | 117 | 1.4 | 8    | ●      | 2   |
| MPS1-0680-L10C   | 6.8 | 10    | 132.2 | 69.2  | 92.2  | 95.2  | 131 | 1.2 | 8    | □      | 2   |
| MPS1-0680-L12C   |     | 12    | 146.2 | 82.8  | 106.2 | 109.2 | 145 | 1.2 | 8    | ●      | 2   |
| MPS1-0680-L15C   |     | 15    | 167.2 | 103.2 | 127.2 | 130.2 | 166 | 1.2 | 8    | ●      | 2   |
| MPS1-0680-L20C   |     | 20    | 202.2 | 137.2 | 162.2 | 165.2 | 201 | 1.2 | 8    | ●      | 2   |
| MPS1-0680-L25C   |     | 25    | 237.2 | 171.2 | 197.2 | 200.2 | 236 | 1.2 | 8    | ●      | 2   |
| MPS1-0680-L30C   |     | 30    | 272.2 | 205.2 | 232.2 | 235.2 | 271 | 1.2 | 8    | ●      | 2   |
| MPS1-0680-L35C   |     | 35    | 306.2 | 239.2 | 267.2 | 269.2 | 305 | 1.2 | 8    | □      | 2   |
| MPS1-0680-L40C   |     | 40    | 341.2 | 273.2 | 301.2 | 304.2 | 340 | 1.2 | 8    | ●      | 2   |
| MPS1-0690S-DIN   |     | 3     | 79.3  | 23.9  | 34.3  | 42.3  | 78  | 1.3 | 8    | □      | 4   |
| MPS1-0690S-DIN-C |     | 3     | 79.3  | 23.9  | 34.3  | 42.3  | 78  | 1.3 | 8    | ●      | 2   |
| MPS1-0690L-DIN   |     | 5     | 91.3  | 42.9  | 53.3  | 54.3  | 90  | 1.3 | 8    | □      | 4   |
| MPS1-0690L-DIN-C |     | 5     | 91.3  | 42.9  | 53.3  | 54.3  | 90  | 1.3 | 8    | ●      | 2   |
| MPS1-0690-PC     |     | 2     | 75.1  | 14.9  | 35.1  | 37.1  | 74  | 1.1 | 8    | ●      | 2   |
| MPS1-0690-L8C    |     | 8     | 118.4 | 56.6  | 78.4  | 81.4  | 117 | 1.4 | 8    | ●      | 2   |
| MPS1-0690-L10C   | 6.9 | 10    | 132.3 | 70.3  | 92.3  | 95.3  | 131 | 1.3 | 8    | □      | 2   |
| MPS1-0690-L12C   |     | 12    | 146.3 | 84.1  | 106.3 | 109.3 | 145 | 1.3 | 8    | ●      | 2   |
| MPS1-0690-L15C   |     | 15    | 167.3 | 104.8 | 127.3 | 130.3 | 166 | 1.3 | 8    | ●      | 2   |
| MPS1-0690-L20C   |     | 20    | 202.3 | 139.3 | 162.3 | 165.3 | 201 | 1.3 | 8    | ●      | 2   |
| MPS1-0690-L25C   |     | 25    | 237.3 | 173.8 | 197.3 | 200.3 | 236 | 1.3 | 8    | ●      | 2   |
| MPS1-0690-L30C   |     | 30    | 272.3 | 208.3 | 232.3 | 235.3 | 271 | 1.3 | 8    | ●      | 2   |
| MPS1-0690-L35C   |     | 35    | 306.3 | 242.8 | 267.3 | 269.3 | 305 | 1.3 | 8    | □      | 2   |
| MPS1-0690-L40C   |     | 40    | 341.3 | 277.3 | 301.3 | 304.3 | 340 | 1.3 | 8    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0700S-DIN   | 7.0 | 3     | 79.3  | 23.8  | 34.3  | 42.3  | 78  | 1.3 | 8    | □      | 4   |
| MPS1-0700S-DIN-C |     | 3     | 79.3  | 23.8  | 34.3  | 42.3  | 78  | 1.3 | 8    | ●      | 2   |
| MPS1-0700L-DIN   |     | 5     | 91.3  | 42.8  | 53.3  | 54.3  | 90  | 1.3 | 8    | □      | 4   |
| MPS1-0700L-DIN-C |     | 5     | 91.3  | 42.8  | 53.3  | 54.3  | 90  | 1.3 | 8    | ●      | 2   |
| MPS1-0700-PC     |     | 2     | 75.1  | 15.1  | 35.1  | 37.1  | 74  | 1.1 | 8    | ●      | 2   |
| MPS1-0700-L8C    |     | 8     | 118.4 | 57.4  | 78.4  | 81.4  | 117 | 1.4 | 8    | ●      | 2   |
| MPS1-0700-L10C   |     | 10    | 132.3 | 71.3  | 92.3  | 95.3  | 131 | 1.3 | 8    | ●      | 2   |
| MPS1-0700-L12C   |     | 12    | 146.3 | 85.3  | 106.3 | 109.3 | 145 | 1.3 | 8    | ●      | 2   |
| MPS1-0700-L15C   |     | 15    | 167.3 | 106.3 | 127.3 | 130.3 | 166 | 1.3 | 8    | ●      | 2   |
| MPS1-0700-L20C   |     | 20    | 202.3 | 141.3 | 162.3 | 165.3 | 201 | 1.3 | 8    | ●      | 2   |
| MPS1-0700-L25C   |     | 25    | 237.3 | 176.3 | 197.3 | 200.3 | 236 | 1.3 | 8    | ●      | 2   |
| MPS1-0700-L30C   |     | 30    | 272.3 | 211.3 | 232.3 | 235.3 | 271 | 1.3 | 8    | ●      | 2   |
| MPS1-0700-L35C   |     | 35    | 306.3 | 246.3 | 267.3 | 269.3 | 305 | 1.3 | 8    | □      | 2   |
| MPS1-0700-L40C   |     | 40    | 341.3 | 281.3 | 301.3 | 304.3 | 340 | 1.3 | 8    | ●      | 2   |
| MPS1-0710S-DIN   | 7.1 | 3     | 79.3  | 30.6  | 41.3  | 42.3  | 78  | 1.3 | 8    | □      | 4   |
| MPS1-0710S-DIN-C |     | 3     | 79.3  | 30.6  | 41.3  | 42.3  | 78  | 1.3 | 8    | ●      | 2   |
| MPS1-0710L-DIN   |     | 5     | 91.3  | 42.6  | 53.3  | 54.3  | 90  | 1.3 | 8    | □      | 4   |
| MPS1-0710L-DIN-C |     | 5     | 91.3  | 42.6  | 53.3  | 54.3  | 90  | 1.3 | 8    | ●      | 2   |
| MPS1-0710-PC     |     | 2     | 80.1  | 15.3  | 35.1  | 38.1  | 79  | 1.1 | 8    | ●      | 2   |
| MPS1-0710-L8C    |     | 8     | 124.5 | 58.3  | 84.5  | 87.5  | 123 | 1.5 | 8    | ●      | 2   |
| MPS1-0710-L10C   |     | 10    | 139.3 | 72.3  | 99.3  | 102.3 | 138 | 1.3 | 8    | □      | 2   |
| MPS1-0710-L12C   |     | 12    | 154.3 | 86.5  | 114.3 | 117.3 | 153 | 1.3 | 8    | ●      | 2   |
| MPS1-0710-L15C   |     | 15    | 176.3 | 107.8 | 136.3 | 139.3 | 175 | 1.3 | 8    | ●      | 2   |
| MPS1-0710-L20C   |     | 20    | 214.3 | 143.3 | 174.3 | 177.3 | 213 | 1.3 | 8    | ●      | 2   |
| MPS1-0710-L25C   |     | 25    | 251.3 | 178.8 | 211.3 | 214.3 | 250 | 1.3 | 8    | ●      | 2   |
| MPS1-0710-L30C   |     | 30    | 289.3 | 214.3 | 249.3 | 252.3 | 288 | 1.3 | 8    | ●      | 2   |
| MPS1-0710-L35C   |     | 35    | 325.3 | 249.8 | 286.3 | 288.3 | 324 | 1.3 | 8    | □      | 2   |
| MPS1-0710-L40C   |     | 40    | 360.3 | 285.3 | 321.3 | 323.3 | 359 | 1.3 | 8    | ●      | 2   |
| MPS1-0720S-DIN   | 7.2 | 3     | 79.3  | 30.5  | 41.3  | 42.3  | 78  | 1.3 | 8    | □      | 4   |
| MPS1-0720S-DIN-C |     | 3     | 79.3  | 30.5  | 41.3  | 42.3  | 78  | 1.3 | 8    | ●      | 2   |
| MPS1-0720L-DIN   |     | 5     | 91.3  | 42.5  | 53.3  | 54.3  | 90  | 1.3 | 8    | □      | 4   |
| MPS1-0720L-DIN-C |     | 5     | 91.3  | 42.5  | 53.3  | 54.3  | 90  | 1.3 | 8    | ●      | 2   |
| MPS1-0720-PC     |     | 2     | 80.1  | 15.5  | 35.1  | 38.1  | 79  | 1.1 | 8    | ●      | 2   |
| MPS1-0720-L8C    |     | 8     | 124.5 | 59.1  | 84.5  | 87.5  | 123 | 1.5 | 8    | ●      | 2   |
| MPS1-0720-L10C   |     | 10    | 139.3 | 73.3  | 99.3  | 102.3 | 138 | 1.3 | 8    | □      | 2   |
| MPS1-0720-L12C   |     | 12    | 154.3 | 87.7  | 114.3 | 117.3 | 153 | 1.3 | 8    | ●      | 2   |
| MPS1-0720-L15C   |     | 15    | 176.3 | 109.3 | 136.3 | 139.3 | 175 | 1.3 | 8    | □      | 2   |
| MPS1-0720-L20C   |     | 20    | 214.3 | 145.3 | 174.3 | 177.3 | 213 | 1.3 | 8    | □      | 2   |
| MPS1-0720-L25C   |     | 25    | 251.3 | 181.3 | 211.3 | 214.3 | 250 | 1.3 | 8    | □      | 2   |
| MPS1-0720-L30C   |     | 30    | 289.3 | 217.3 | 249.3 | 252.3 | 288 | 1.3 | 8    | □      | 2   |
| MPS1-0720-L35C   |     | 35    | 325.3 | 253.3 | 286.3 | 288.3 | 324 | 1.3 | 8    | □      | 2   |
| MPS1-0720-L40C   |     | 40    | 360.3 | 289.3 | 321.3 | 323.3 | 359 | 1.3 | 8    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0730S-DIN   | 7.3 | 3     | 79.3  | 30.4  | 41.3  | 42.3  | 78  | 1.3 | 8    | □      | 4   |
| MPS1-0730S-DIN-C |     | 3     | 79.3  | 30.4  | 41.3  | 42.3  | 78  | 1.3 | 8    | ●      | 2   |
| MPS1-0730L-DIN   |     | 5     | 91.3  | 42.4  | 53.3  | 54.3  | 90  | 1.3 | 8    | □      | 4   |
| MPS1-0730L-DIN-C |     | 5     | 91.3  | 42.4  | 53.3  | 54.3  | 90  | 1.3 | 8    | ●      | 2   |
| MPS1-0730-PC     |     | 2     | 80.2  | 15.8  | 35.2  | 38.2  | 79  | 1.2 | 8    | ●      | 2   |
| MPS1-0730-L8C    |     | 8     | 124.5 | 59.9  | 84.5  | 87.5  | 123 | 1.5 | 8    | ●      | 2   |
| MPS1-0730-L10C   |     | 10    | 139.3 | 74.3  | 99.3  | 102.3 | 138 | 1.3 | 8    | □      | 2   |
| MPS1-0730-L12C   |     | 12    | 154.3 | 88.9  | 114.3 | 117.3 | 153 | 1.3 | 8    | ●      | 2   |
| MPS1-0730-L15C   |     | 15    | 176.3 | 110.8 | 136.3 | 139.3 | 175 | 1.3 | 8    | □      | 2   |
| MPS1-0730-L20C   |     | 20    | 214.3 | 147.3 | 174.3 | 177.3 | 213 | 1.3 | 8    | □      | 2   |
| MPS1-0730-L25C   |     | 25    | 251.3 | 183.8 | 211.3 | 214.3 | 250 | 1.3 | 8    | □      | 2   |
| MPS1-0730-L30C   |     | 30    | 289.3 | 220.3 | 249.3 | 252.3 | 288 | 1.3 | 8    | □      | 2   |
| MPS1-0730-L35C   |     | 35    | 325.3 | 256.8 | 286.3 | 288.3 | 324 | 1.3 | 8    | □      | 2   |
| MPS1-0730-L40C   |     | 40    | 360.3 | 293.3 | 321.3 | 323.3 | 359 | 1.3 | 8    | ●      | 2   |
| MPS1-0740S-DIN   | 7.4 | 3     | 79.3  | 30.2  | 41.3  | 42.3  | 78  | 1.3 | 8    | □      | 4   |
| MPS1-0740S-DIN-C |     | 3     | 79.3  | 30.2  | 41.3  | 42.3  | 78  | 1.3 | 8    | ●      | 2   |
| MPS1-0740L-DIN   |     | 5     | 91.3  | 42.2  | 53.3  | 54.3  | 90  | 1.3 | 8    | □      | 4   |
| MPS1-0740L-DIN-C |     | 5     | 91.3  | 42.2  | 53.3  | 54.3  | 90  | 1.3 | 8    | ●      | 2   |
| MPS1-0740-PC     |     | 2     | 80.2  | 16.0  | 35.2  | 38.2  | 79  | 1.2 | 8    | ●      | 2   |
| MPS1-0740-L8C    |     | 8     | 124.5 | 60.7  | 84.5  | 87.5  | 123 | 1.5 | 8    | ●      | 2   |
| MPS1-0740-L10C   |     | 10    | 139.3 | 75.3  | 99.3  | 102.3 | 138 | 1.3 | 8    | □      | 2   |
| MPS1-0740-L12C   |     | 12    | 154.3 | 90.1  | 114.3 | 117.3 | 153 | 1.3 | 8    | ●      | 2   |
| MPS1-0740-L15C   |     | 15    | 176.3 | 112.3 | 136.3 | 139.3 | 175 | 1.3 | 8    | □      | 2   |
| MPS1-0740-L20C   |     | 20    | 214.3 | 149.3 | 174.3 | 177.3 | 213 | 1.3 | 8    | □      | 2   |
| MPS1-0740-L25C   |     | 25    | 251.3 | 186.3 | 211.3 | 214.3 | 250 | 1.3 | 8    | □      | 2   |
| MPS1-0740-L30C   |     | 30    | 289.3 | 223.3 | 249.3 | 252.3 | 288 | 1.3 | 8    | □      | 2   |
| MPS1-0740-L35C   |     | 35    | 325.3 | 260.3 | 286.3 | 288.3 | 324 | 1.3 | 8    | □      | 2   |
| MPS1-0740-L40C   |     | 40    | 360.3 | 297.3 | 321.3 | 323.3 | 359 | 1.3 | 8    | ●      | 2   |
| MPS1-0750S-DIN   | 7.5 | 3     | 79.4  | 30.1  | 41.4  | 42.4  | 78  | 1.4 | 8    | □      | 4   |
| MPS1-0750S-DIN-C |     | 3     | 79.4  | 30.1  | 41.4  | 42.4  | 78  | 1.4 | 8    | ●      | 2   |
| MPS1-0750L-DIN   |     | 5     | 91.4  | 42.1  | 53.4  | 54.4  | 90  | 1.4 | 8    | □      | 4   |
| MPS1-0750L-DIN-C |     | 5     | 91.4  | 42.1  | 53.4  | 54.4  | 90  | 1.4 | 8    | ●      | 2   |
| MPS1-0750-PC     |     | 2     | 80.2  | 16.2  | 35.2  | 38.2  | 79  | 1.2 | 8    | ●      | 2   |
| MPS1-0750-L8C    |     | 8     | 124.6 | 61.6  | 84.6  | 87.6  | 123 | 1.6 | 8    | ●      | 2   |
| MPS1-0750-L10C   |     | 10    | 139.4 | 76.4  | 99.4  | 102.4 | 138 | 1.4 | 8    | □      | 2   |
| MPS1-0750-L12C   |     | 12    | 154.4 | 91.4  | 114.4 | 117.4 | 153 | 1.4 | 8    | ●      | 2   |
| MPS1-0750-L15C   |     | 15    | 176.4 | 113.9 | 136.4 | 139.4 | 175 | 1.4 | 8    | ●      | 2   |
| MPS1-0750-L20C   |     | 20    | 214.4 | 151.4 | 174.4 | 177.4 | 213 | 1.4 | 8    | ●      | 2   |
| MPS1-0750-L25C   |     | 25    | 251.4 | 188.9 | 211.4 | 214.4 | 250 | 1.4 | 8    | ●      | 2   |
| MPS1-0750-L30C   |     | 30    | 289.4 | 226.4 | 249.4 | 252.4 | 288 | 1.4 | 8    | ●      | 2   |
| MPS1-0750-L35C   |     | 35    | 325.4 | 263.9 | 286.4 | 288.4 | 324 | 1.4 | 8    | □      | 2   |
| MPS1-0750-L40C   |     | 40    | 360.4 | 301.4 | 321.4 | 323.4 | 359 | 1.4 | 8    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0760S-DIN   | 7.6 | 3     | 79.4  | 30.0  | 41.4  | 42.4  | 78  | 1.4 | 8    | □      | 4   |
| MPS1-0760S-DIN-C |     | 3     | 79.4  | 30.0  | 41.4  | 42.4  | 78  | 1.4 | 8    | ●      | 2   |
| MPS1-0760L-DIN   |     | 5     | 91.4  | 42.0  | 53.4  | 54.4  | 90  | 1.4 | 8    | □      | 4   |
| MPS1-0760L-DIN-C |     | 5     | 91.4  | 42.0  | 53.4  | 54.4  | 90  | 1.4 | 8    | ●      | 2   |
| MPS1-0760-PC     |     | 2     | 80.2  | 16.4  | 38.2  | 38.2  | 79  | 1.2 | 8    | ●      | 2   |
| MPS1-0760-L8C    |     | 8     | 129.6 | 62.4  | 89.6  | 92.6  | 128 | 1.6 | 8    | ●      | 2   |
| MPS1-0760-L10C   |     | 10    | 145.4 | 77.4  | 105.4 | 108.4 | 144 | 1.4 | 8    | □      | 2   |
| MPS1-0760-L12C   |     | 12    | 161.4 | 92.6  | 121.4 | 124.4 | 160 | 1.4 | 8    | ●      | 2   |
| MPS1-0760-L15C   |     | 15    | 185.4 | 115.4 | 145.4 | 148.4 | 184 | 1.4 | 8    | ●      | 2   |
| MPS1-0760-L20C   |     | 20    | 225.4 | 153.4 | 185.4 | 188.4 | 224 | 1.4 | 8    | □      | 2   |
| MPS1-0760-L25C   |     | 25    | 265.4 | 191.4 | 225.4 | 228.4 | 264 | 1.4 | 8    | ●      | 2   |
| MPS1-0760-L30C   |     | 30    | 305.4 | 229.4 | 265.4 | 268.4 | 304 | 1.4 | 8    | □      | 2   |
| MPS1-0760-L35C   |     | 35    | 344.4 | 267.4 | 305.4 | 307.4 | 343 | 1.4 | 8    | □      | 2   |
| MPS1-0760-L40C   |     | 40    | 379.4 | 305.4 | 341.4 | 342.4 | 378 | 1.4 | 8    | ●      | 2   |
| MPS1-0770S-DIN   | 7.7 | 3     | 79.4  | 29.9  | 41.4  | 42.4  | 78  | 1.4 | 8    | □      | 4   |
| MPS1-0770S-DIN-C |     | 3     | 79.4  | 29.9  | 41.4  | 42.4  | 78  | 1.4 | 8    | ●      | 2   |
| MPS1-0770L-DIN   |     | 5     | 91.4  | 41.9  | 53.4  | 54.4  | 90  | 1.4 | 8    | □      | 4   |
| MPS1-0770L-DIN-C |     | 5     | 91.4  | 41.9  | 53.4  | 54.4  | 90  | 1.4 | 8    | ●      | 2   |
| MPS1-0770-PC     |     | 2     | 80.2  | 16.6  | 38.2  | 38.2  | 79  | 1.2 | 8    | ●      | 2   |
| MPS1-0770-L8C    |     | 8     | 129.6 | 63.2  | 89.6  | 92.6  | 128 | 1.6 | 8    | ●      | 2   |
| MPS1-0770-L10C   |     | 10    | 145.4 | 78.4  | 105.4 | 108.4 | 144 | 1.4 | 8    | □      | 2   |
| MPS1-0770-L12C   |     | 12    | 161.4 | 93.8  | 121.4 | 124.4 | 160 | 1.4 | 8    | ●      | 2   |
| MPS1-0770-L15C   |     | 15    | 185.4 | 116.9 | 145.4 | 148.4 | 184 | 1.4 | 8    | ●      | 2   |
| MPS1-0770-L20C   |     | 20    | 225.4 | 155.4 | 185.4 | 188.4 | 224 | 1.4 | 8    | □      | 2   |
| MPS1-0770-L25C   |     | 25    | 265.4 | 193.9 | 225.4 | 228.4 | 264 | 1.4 | 8    | ●      | 2   |
| MPS1-0770-L30C   |     | 30    | 305.4 | 232.4 | 265.4 | 268.4 | 304 | 1.4 | 8    | □      | 2   |
| MPS1-0770-L35C   |     | 35    | 344.4 | 270.9 | 305.4 | 307.4 | 343 | 1.4 | 8    | □      | 2   |
| MPS1-0770-L40C   |     | 40    | 379.4 | 309.4 | 341.4 | 342.4 | 378 | 1.4 | 8    | ●      | 2   |
| MPS1-0780S-DIN   | 7.8 | 3     | 79.4  | 29.7  | 41.4  | 42.4  | 78  | 1.4 | 8    | □      | 4   |
| MPS1-0780S-DIN-C |     | 3     | 79.4  | 29.7  | 41.4  | 42.4  | 78  | 1.4 | 8    | ●      | 2   |
| MPS1-0780L-DIN   |     | 5     | 91.4  | 41.7  | 53.4  | 54.4  | 90  | 1.4 | 8    | □      | 4   |
| MPS1-0780L-DIN-C |     | 5     | 91.4  | 41.7  | 53.4  | 54.4  | 90  | 1.4 | 8    | ●      | 2   |
| MPS1-0780-PC     |     | 2     | 80.2  | 16.8  | 38.2  | 38.2  | 79  | 1.2 | 8    | ●      | 2   |
| MPS1-0780-L8C    |     | 8     | 129.6 | 64.0  | 89.6  | 92.6  | 128 | 1.6 | 8    | ●      | 2   |
| MPS1-0780-L10C   |     | 10    | 145.4 | 79.4  | 105.4 | 108.4 | 144 | 1.4 | 8    | □      | 2   |
| MPS1-0780-L12C   |     | 12    | 161.4 | 95.0  | 121.4 | 124.4 | 160 | 1.4 | 8    | ●      | 2   |
| MPS1-0780-L15C   |     | 15    | 185.4 | 118.4 | 145.4 | 148.4 | 184 | 1.4 | 8    | ●      | 2   |
| MPS1-0780-L20C   |     | 20    | 225.4 | 157.4 | 185.4 | 188.4 | 224 | 1.4 | 8    | □      | 2   |
| MPS1-0780-L25C   |     | 25    | 265.4 | 196.4 | 225.4 | 228.4 | 264 | 1.4 | 8    | □      | 2   |
| MPS1-0780-L30C   |     | 30    | 305.4 | 235.4 | 265.4 | 268.4 | 304 | 1.4 | 8    | ●      | 2   |
| MPS1-0780-L35C   |     | 35    | 344.4 | 274.4 | 305.4 | 307.4 | 343 | 1.4 | 8    | □      | 2   |
| MPS1-0780-L40C   |     | 40    | 379.4 | 313.4 | 341.4 | 342.4 | 378 | 1.4 | 8    | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0790S-DIN   | 7.9  | 3     | 79.4  | 29.6  | 41.4  | 42.4  | 78  | 1.4 | 8    | □      | 4   |
| MPS1-0790S-DIN-C |      | 3     | 79.4  | 29.6  | 41.4  | 42.4  | 78  | 1.4 | 8    | ●      | 2   |
| MPS1-0790L-DIN   |      | 5     | 91.4  | 41.6  | 53.4  | 54.4  | 90  | 1.4 | 8    | □      | 4   |
| MPS1-0790L-DIN-C |      | 5     | 91.4  | 41.6  | 53.4  | 54.4  | 90  | 1.4 | 8    | ●      | 2   |
| MPS1-0790-PC     |      | 2     | 80.2  | 17.0  | 38.2  | 38.2  | 79  | 1.2 | 8    | ●      | 2   |
| MPS1-0790-L8C    |      | 8     | 129.6 | 64.8  | 89.6  | 92.6  | 128 | 1.6 | 8    | ●      | 2   |
| MPS1-0790-L10C   |      | 10    | 145.4 | 80.4  | 105.4 | 108.4 | 144 | 1.4 | 8    | □      | 2   |
| MPS1-0790-L12C   |      | 12    | 161.4 | 96.2  | 121.4 | 124.4 | 160 | 1.4 | 8    | ●      | 2   |
| MPS1-0790-L15C   |      | 15    | 185.4 | 119.9 | 145.4 | 148.4 | 184 | 1.4 | 8    | □      | 2   |
| MPS1-0790-L20C   |      | 20    | 225.4 | 159.4 | 185.4 | 188.4 | 224 | 1.4 | 8    | □      | 2   |
| MPS1-0790-L25C   |      | 25    | 265.4 | 198.9 | 225.4 | 228.4 | 264 | 1.4 | 8    | ●      | 2   |
| MPS1-0790-L30C   |      | 30    | 305.4 | 238.4 | 265.4 | 268.4 | 304 | 1.4 | 8    | ●      | 2   |
| MPS1-0790-L35C   |      | 35    | 344.4 | 277.9 | 305.4 | 307.4 | 343 | 1.4 | 8    | □      | 2   |
| MPS1-0790-L40C   |      | 40    | 379.4 | 317.4 | 341.4 | 342.4 | 378 | 1.4 | 8    | ●      | 2   |
| MPS1-0800S-DIN   | 8.0  | 3     | 79.5  | 29.5  | 41.5  | 42.5  | 78  | 1.5 | 8    | □      | 4   |
| MPS1-0800S-DIN-C |      | 3     | 79.5  | 29.5  | 41.5  | 42.5  | 78  | 1.5 | 8    | ●      | 2   |
| MPS1-0800L-DIN   |      | 5     | 91.5  | 41.5  | 53.5  | 54.5  | 90  | 1.5 | 8    | □      | 4   |
| MPS1-0800L-DIN-C |      | 5     | 91.5  | 41.5  | 53.5  | 54.5  | 90  | 1.5 | 8    | ●      | 2   |
| MPS1-0800-PC     |      | 2     | 80.3  | 17.3  | 38.3  | 38.3  | 79  | 1.3 | 8    | ●      | 2   |
| MPS1-0800-L8C    |      | 8     | 129.7 | 65.7  | 89.7  | 92.7  | 128 | 1.7 | 8    | ●      | 2   |
| MPS1-0800-L10C   |      | 10    | 145.5 | 81.5  | 105.5 | 108.5 | 144 | 1.5 | 8    | ●      | 2   |
| MPS1-0800-L12C   |      | 12    | 161.5 | 97.5  | 121.5 | 124.5 | 160 | 1.5 | 8    | ●      | 2   |
| MPS1-0800-L15C   |      | 15    | 185.5 | 121.5 | 145.5 | 148.5 | 184 | 1.5 | 8    | ●      | 2   |
| MPS1-0800-L20C   |      | 20    | 225.5 | 161.5 | 185.5 | 188.5 | 224 | 1.5 | 8    | ●      | 2   |
| MPS1-0800-L25C   |      | 25    | 265.5 | 201.5 | 225.5 | 228.5 | 264 | 1.5 | 8    | ●      | 2   |
| MPS1-0800-L30C   |      | 30    | 305.5 | 241.5 | 265.5 | 268.5 | 304 | 1.5 | 8    | ●      | 2   |
| MPS1-0800-L35C   |      | 35    | 344.5 | 281.5 | 305.5 | 307.5 | 343 | 1.5 | 8    | □      | 2   |
| MPS1-0800-L40C   |      | 40    | 379.5 | 321.5 | 341.5 | 342.5 | 378 | 1.5 | 8    | ●      | 2   |
| MPS1-0805S-DIN   | 8.05 | 3     | 88.5  | 34.4  | 46.5  | 47.5  | 87  | 1.5 | 10   | □      | 4   |
| MPS1-0805S-DIN-C |      | 3     | 88.5  | 34.4  | 46.5  | 47.5  | 87  | 1.5 | 10   | ●      | 2   |
| MPS1-0805L-DIN   |      | 5     | 102.5 | 48.4  | 60.5  | 61.5  | 101 | 1.5 | 10   | □      | 4   |
| MPS1-0805L-DIN-C |      | 5     | 102.5 | 48.4  | 60.5  | 61.5  | 101 | 1.5 | 10   | ●      | 2   |
| MPS1-0810S-DIN   | 8.1  | 3     | 88.5  | 34.3  | 46.5  | 47.5  | 87  | 1.5 | 10   | □      | 4   |
| MPS1-0810S-DIN-C |      | 3     | 88.5  | 34.3  | 46.5  | 47.5  | 87  | 1.5 | 10   | ●      | 2   |
| MPS1-0810L-DIN   |      | 5     | 102.5 | 48.3  | 60.5  | 61.5  | 101 | 1.5 | 10   | □      | 4   |
| MPS1-0810L-DIN-C |      | 5     | 102.5 | 48.3  | 60.5  | 61.5  | 101 | 1.5 | 10   | ●      | 2   |
| MPS1-0810-PC     |      | 2     | 85.3  | 17.5  | 38.3  | 41.3  | 84  | 1.3 | 10   | ●      | 2   |
| MPS1-0810-L8C    |      | 8     | 139.7 | 66.5  | 95.7  | 98.7  | 138 | 1.7 | 10   | ●      | 2   |
| MPS1-0810-L10C   |      | 10    | 156.5 | 82.5  | 112.5 | 115.5 | 155 | 1.5 | 10   | □      | 2   |
| MPS1-0810-L12C   |      | 12    | 173.5 | 98.7  | 129.5 | 132.5 | 172 | 1.5 | 10   | ●      | 2   |
| MPS1-0810-L15C   |      | 15    | 198.5 | 123.0 | 154.5 | 157.5 | 197 | 1.5 | 10   | ●      | 2   |
| MPS1-0810-L20C   |      | 20    | 241.5 | 163.5 | 197.5 | 200.5 | 240 | 1.5 | 10   | ●      | 2   |
| MPS1-0810-L25C   |      | 25    | 283.5 | 204.0 | 239.5 | 242.5 | 282 | 1.5 | 10   | □      | 2   |
| MPS1-0810-L30C   |      | 30    | 325.5 | 244.5 | 282.5 | 284.5 | 324 | 1.5 | 10   | □      | 2   |
| MPS1-0810-L35C   |      | 35    | 367.5 | 285.0 | 324.5 | 326.5 | 366 | 1.5 | 10   | □      | 2   |
| MPS1-0810-L40C   |      | 40    | 411.5 | 325.5 | 366.5 | 370.5 | 410 | 1.5 | 10   | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0820S-DIN   | 8.2 | 3     | 88.5  | 34.2  | 46.5  | 47.5  | 87  | 1.5 | 10   | □      | 4   |
| MPS1-0820S-DIN-C |     | 3     | 88.5  | 34.2  | 46.5  | 47.5  | 87  | 1.5 | 10   | ●      | 2   |
| MPS1-0820L-DIN   |     | 5     | 102.5 | 48.2  | 60.5  | 61.5  | 101 | 1.5 | 10   | □      | 4   |
| MPS1-0820L-DIN-C |     | 5     | 102.5 | 48.2  | 60.5  | 61.5  | 101 | 1.5 | 10   | ●      | 2   |
| MPS1-0820-PC     |     | 2     | 85.3  | 17.7  | 38.3  | 41.3  | 84  | 1.3 | 10   | ●      | 2   |
| MPS1-0820-L8C    |     | 8     | 139.7 | 67.3  | 95.7  | 98.7  | 138 | 1.7 | 10   | ●      | 2   |
| MPS1-0820-L10C   |     | 10    | 156.5 | 83.5  | 112.5 | 115.5 | 155 | 1.5 | 10   | □      | 2   |
| MPS1-0820-L12C   |     | 12    | 173.5 | 99.9  | 129.5 | 132.5 | 172 | 1.5 | 10   | ●      | 2   |
| MPS1-0820-L15C   |     | 15    | 198.5 | 124.5 | 154.5 | 157.5 | 197 | 1.5 | 10   | ●      | 2   |
| MPS1-0820-L20C   |     | 20    | 241.5 | 165.5 | 197.5 | 200.5 | 240 | 1.5 | 10   | ●      | 2   |
| MPS1-0820-L25C   |     | 25    | 283.5 | 206.5 | 239.5 | 242.5 | 282 | 1.5 | 10   | □      | 2   |
| MPS1-0820-L30C   |     | 30    | 325.5 | 247.5 | 282.5 | 284.5 | 324 | 1.5 | 10   | □      | 2   |
| MPS1-0820-L35C   |     | 35    | 367.5 | 288.5 | 324.5 | 326.5 | 366 | 1.5 | 10   | □      | 2   |
| MPS1-0820-L40C   |     | 40    | 411.5 | 329.5 | 366.5 | 370.5 | 410 | 1.5 | 10   | ●      | 2   |
| MPS1-0830S-DIN   | 8.3 | 3     | 88.5  | 34.1  | 46.5  | 47.5  | 87  | 1.5 | 10   | □      | 4   |
| MPS1-0830S-DIN-C |     | 3     | 88.5  | 34.1  | 46.5  | 47.5  | 87  | 1.5 | 10   | ●      | 2   |
| MPS1-0830L-DIN   |     | 5     | 102.5 | 48.1  | 60.5  | 61.5  | 101 | 1.5 | 10   | □      | 4   |
| MPS1-0830L-DIN-C |     | 5     | 102.5 | 48.1  | 60.5  | 61.5  | 101 | 1.5 | 10   | ●      | 2   |
| MPS1-0830-PC     |     | 2     | 85.3  | 17.9  | 38.3  | 41.3  | 84  | 1.3 | 10   | ●      | 2   |
| MPS1-0830-L8C    |     | 8     | 139.7 | 68.1  | 95.7  | 98.7  | 138 | 1.7 | 10   | ●      | 2   |
| MPS1-0830-L10C   |     | 10    | 156.5 | 84.5  | 112.5 | 115.5 | 155 | 1.5 | 10   | □      | 2   |
| MPS1-0830-L12C   |     | 12    | 173.5 | 101.1 | 129.5 | 132.5 | 172 | 1.5 | 10   | ●      | 2   |
| MPS1-0830-L15C   |     | 15    | 198.5 | 126.0 | 154.5 | 157.5 | 197 | 1.5 | 10   | □      | 2   |
| MPS1-0830-L20C   |     | 20    | 241.5 | 167.5 | 197.5 | 200.5 | 240 | 1.5 | 10   | □      | 2   |
| MPS1-0830-L25C   |     | 25    | 283.5 | 209.0 | 239.5 | 242.5 | 282 | 1.5 | 10   | □      | 2   |
| MPS1-0830-L30C   |     | 30    | 325.5 | 250.5 | 282.5 | 284.5 | 324 | 1.5 | 10   | □      | 2   |
| MPS1-0830-L35C   |     | 35    | 367.5 | 292.0 | 324.5 | 326.5 | 366 | 1.5 | 10   | □      | 2   |
| MPS1-0830-L40C   |     | 40    | 411.5 | 333.5 | 366.5 | 370.5 | 410 | 1.5 | 10   | ●      | 2   |
| MPS1-0840S-DIN   | 8.4 | 3     | 88.5  | 33.9  | 46.5  | 47.5  | 87  | 1.5 | 10   | □      | 4   |
| MPS1-0840S-DIN-C |     | 3     | 88.5  | 33.9  | 46.5  | 47.5  | 87  | 1.5 | 10   | ●      | 2   |
| MPS1-0840L-DIN   |     | 5     | 102.5 | 47.9  | 60.5  | 61.5  | 101 | 1.5 | 10   | □      | 4   |
| MPS1-0840L-DIN-C |     | 5     | 102.5 | 47.9  | 60.5  | 61.5  | 101 | 1.5 | 10   | ●      | 2   |
| MPS1-0840-PC     |     | 2     | 85.3  | 18.1  | 38.3  | 41.3  | 84  | 1.3 | 10   | ●      | 2   |
| MPS1-0840-L8C    |     | 8     | 139.7 | 68.9  | 95.7  | 98.7  | 138 | 1.7 | 10   | ●      | 2   |
| MPS1-0840-L10C   |     | 10    | 156.5 | 85.5  | 112.5 | 115.5 | 155 | 1.5 | 10   | □      | 2   |
| MPS1-0840-L12C   |     | 12    | 173.5 | 102.3 | 129.5 | 132.5 | 172 | 1.5 | 10   | ●      | 2   |
| MPS1-0840-L15C   |     | 15    | 198.5 | 127.5 | 154.5 | 157.5 | 197 | 1.5 | 10   | ●      | 2   |
| MPS1-0840-L20C   |     | 20    | 241.5 | 169.5 | 197.5 | 200.5 | 240 | 1.5 | 10   | □      | 2   |
| MPS1-0840-L25C   |     | 25    | 283.5 | 211.5 | 239.5 | 242.5 | 282 | 1.5 | 10   | □      | 2   |
| MPS1-0840-L30C   |     | 30    | 325.5 | 253.5 | 282.5 | 284.5 | 324 | 1.5 | 10   | □      | 2   |
| MPS1-0840-L35C   |     | 35    | 367.5 | 295.5 | 324.5 | 326.5 | 366 | 1.5 | 10   | □      | 2   |
| MPS1-0840-L40C   |     | 40    | 411.5 | 337.5 | 366.5 | 370.5 | 410 | 1.5 | 10   | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0850S-DIN   | 8.5 | 3     | 88.5  | 33.8  | 46.5  | 47.5  | 87  | 1.5 | 10   | □      | 4   |
| MPS1-0850S-DIN-C |     | 3     | 88.5  | 33.8  | 46.5  | 47.5  | 87  | 1.5 | 10   | ●      | 2   |
| MPS1-0850L-DIN   |     | 5     | 102.5 | 47.8  | 60.5  | 61.5  | 101 | 1.5 | 10   | □      | 4   |
| MPS1-0850L-DIN-C |     | 5     | 102.5 | 47.8  | 60.5  | 61.5  | 101 | 1.5 | 10   | ●      | 2   |
| MPS1-0850-PC     |     | 2     | 85.3  | 18.3  | 38.3  | 41.3  | 84  | 1.3 | 10   | ●      | 2   |
| MPS1-0850-L8C    |     | 8     | 139.8 | 69.8  | 95.8  | 98.8  | 138 | 1.8 | 10   | ●      | 2   |
| MPS1-0850-L10C   |     | 10    | 156.5 | 86.5  | 112.5 | 115.5 | 155 | 1.5 | 10   | □      | 2   |
| MPS1-0850-L12C   |     | 12    | 173.5 | 103.5 | 129.5 | 132.5 | 172 | 1.5 | 10   | ●      | 2   |
| MPS1-0850-L15C   |     | 15    | 198.5 | 129.0 | 154.5 | 157.5 | 197 | 1.5 | 10   | ●      | 2   |
| MPS1-0850-L20C   |     | 20    | 241.5 | 171.5 | 197.5 | 200.5 | 240 | 1.5 | 10   | ●      | 2   |
| MPS1-0850-L25C   |     | 25    | 283.5 | 214.0 | 239.5 | 242.5 | 282 | 1.5 | 10   | ●      | 2   |
| MPS1-0850-L30C   |     | 30    | 325.5 | 256.5 | 282.5 | 284.5 | 324 | 1.5 | 10   | ●      | 2   |
| MPS1-0850-L35C   |     | 35    | 367.5 | 299.0 | 324.5 | 326.5 | 366 | 1.5 | 10   | □      | 2   |
| MPS1-0850-L40C   |     | 40    | 411.5 | 341.5 | 366.5 | 370.5 | 410 | 1.5 | 10   | ●      | 2   |
| MPS1-0860S-DIN   | 8.6 | 3     | 88.6  | 33.7  | 46.6  | 47.6  | 87  | 1.6 | 10   | □      | 4   |
| MPS1-0860S-DIN-C |     | 3     | 88.6  | 33.7  | 46.6  | 47.6  | 87  | 1.6 | 10   | ●      | 2   |
| MPS1-0860L-DIN   |     | 5     | 102.6 | 47.7  | 60.6  | 61.6  | 101 | 1.6 | 10   | □      | 4   |
| MPS1-0860L-DIN-C |     | 5     | 102.6 | 47.7  | 60.6  | 61.6  | 101 | 1.6 | 10   | ●      | 2   |
| MPS1-0860-PC     |     | 2     | 85.4  | 18.6  | 41.4  | 43.4  | 84  | 1.4 | 10   | ●      | 2   |
| MPS1-0860-L8C    |     | 8     | 144.8 | 70.6  | 100.8 | 103.8 | 143 | 1.8 | 10   | ●      | 2   |
| MPS1-0860-L10C   |     | 10    | 162.6 | 87.6  | 118.6 | 121.6 | 161 | 1.6 | 10   | □      | 2   |
| MPS1-0860-L12C   |     | 12    | 180.6 | 104.8 | 136.6 | 139.6 | 179 | 1.6 | 10   | ●      | 2   |
| MPS1-0860-L15C   |     | 15    | 207.6 | 130.6 | 163.6 | 166.6 | 206 | 1.6 | 10   | ●      | 2   |
| MPS1-0860-L20C   |     | 20    | 252.6 | 173.6 | 208.6 | 211.6 | 251 | 1.6 | 10   | □      | 2   |
| MPS1-0860-L25C   |     | 25    | 297.6 | 216.6 | 253.6 | 256.6 | 296 | 1.6 | 10   | ●      | 2   |
| MPS1-0860-L30C   |     | 30    | 341.6 | 259.6 | 298.6 | 300.6 | 340 | 1.6 | 10   | ●      | 2   |
| MPS1-0860-L35C   |     | 35    | 386.6 | 302.6 | 343.6 | 345.6 | 385 | 1.6 | 10   | □      | 2   |
| MPS1-0860-L40C   |     | 40    | 435.6 | 345.6 | 391.6 | 394.6 | 434 | 1.6 | 10   | ●      | 2   |
| MPS1-0870S-DIN   | 8.7 | 3     | 88.6  | 33.5  | 46.6  | 47.6  | 87  | 1.6 | 10   | □      | 4   |
| MPS1-0870S-DIN-C |     | 3     | 88.6  | 33.5  | 46.6  | 47.6  | 87  | 1.6 | 10   | ●      | 2   |
| MPS1-0870L-DIN   |     | 5     | 102.6 | 47.5  | 60.6  | 61.6  | 101 | 1.6 | 10   | □      | 4   |
| MPS1-0870L-DIN-C |     | 5     | 102.6 | 47.5  | 60.6  | 61.6  | 101 | 1.6 | 10   | ●      | 2   |
| MPS1-0870-PC     |     | 2     | 85.4  | 18.8  | 41.4  | 43.4  | 84  | 1.4 | 10   | ●      | 2   |
| MPS1-0870-L8C    |     | 8     | 144.8 | 71.4  | 100.8 | 103.8 | 143 | 1.8 | 10   | ●      | 2   |
| MPS1-0870-L10C   |     | 10    | 162.6 | 88.6  | 118.6 | 121.6 | 161 | 1.6 | 10   | □      | 2   |
| MPS1-0870-L12C   |     | 12    | 180.6 | 106.0 | 136.6 | 139.6 | 179 | 1.6 | 10   | ●      | 2   |
| MPS1-0870-L15C   |     | 15    | 207.6 | 132.1 | 163.6 | 166.6 | 206 | 1.6 | 10   | ●      | 2   |
| MPS1-0870-L20C   |     | 20    | 252.6 | 175.6 | 208.6 | 211.6 | 251 | 1.6 | 10   | □      | 2   |
| MPS1-0870-L25C   |     | 25    | 297.6 | 219.1 | 253.6 | 256.6 | 296 | 1.6 | 10   | ●      | 2   |
| MPS1-0870-L30C   |     | 30    | 341.6 | 262.6 | 298.6 | 300.6 | 340 | 1.6 | 10   | □      | 2   |
| MPS1-0870-L35C   |     | 35    | 386.6 | 306.1 | 343.6 | 345.6 | 385 | 1.6 | 10   | □      | 2   |
| MPS1-0870-L40C   |     | 40    | 435.6 | 349.6 | 391.6 | 394.6 | 434 | 1.6 | 10   | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0880S-DIN   | 8.8 | 3     | 88.6  | 33.4  | 46.6  | 47.6  | 87  | 1.6 | 10   | □      | 4   |
| MPS1-0880S-DIN-C |     | 3     | 88.6  | 33.4  | 46.6  | 47.6  | 87  | 1.6 | 10   | ●      | 2   |
| MPS1-0880L-DIN   |     | 5     | 102.6 | 47.4  | 60.6  | 61.6  | 101 | 1.6 | 10   | □      | 4   |
| MPS1-0880L-DIN-C |     | 5     | 102.6 | 47.4  | 60.6  | 61.6  | 101 | 1.6 | 10   | ●      | 2   |
| MPS1-0880-PC     |     | 2     | 85.4  | 19.0  | 41.4  | 43.4  | 84  | 1.4 | 10   | ●      | 2   |
| MPS1-0880-L8C    |     | 8     | 144.8 | 72.2  | 100.8 | 103.8 | 143 | 1.8 | 10   | ●      | 2   |
| MPS1-0880-L10C   |     | 10    | 162.6 | 89.6  | 118.6 | 121.6 | 161 | 1.6 | 10   | □      | 2   |
| MPS1-0880-L12C   |     | 12    | 180.6 | 107.2 | 136.6 | 139.6 | 179 | 1.6 | 10   | ●      | 2   |
| MPS1-0880-L15C   |     | 15    | 207.6 | 133.6 | 163.6 | 166.6 | 206 | 1.6 | 10   | ●      | 2   |
| MPS1-0880-L20C   |     | 20    | 252.6 | 177.6 | 208.6 | 211.6 | 251 | 1.6 | 10   | ●      | 2   |
| MPS1-0880-L25C   |     | 25    | 297.6 | 221.6 | 253.6 | 256.6 | 296 | 1.6 | 10   | ●      | 2   |
| MPS1-0880-L30C   |     | 30    | 341.6 | 265.6 | 298.6 | 300.6 | 340 | 1.6 | 10   | ●      | 2   |
| MPS1-0880-L35C   |     | 35    | 386.6 | 309.6 | 343.6 | 345.6 | 385 | 1.6 | 10   | □      | 2   |
| MPS1-0880-L40C   |     | 40    | 435.6 | 353.6 | 391.6 | 394.6 | 434 | 1.6 | 10   | ●      | 2   |
| MPS1-0890S-DIN   | 8.9 | 3     | 88.6  | 33.3  | 46.6  | 47.6  | 87  | 1.6 | 10   | □      | 4   |
| MPS1-0890S-DIN-C |     | 3     | 88.6  | 33.3  | 46.6  | 47.6  | 87  | 1.6 | 10   | ●      | 2   |
| MPS1-0890L-DIN   |     | 5     | 102.6 | 47.3  | 60.6  | 61.6  | 101 | 1.6 | 10   | □      | 4   |
| MPS1-0890L-DIN-C |     | 5     | 102.6 | 47.3  | 60.6  | 61.6  | 101 | 1.6 | 10   | ●      | 2   |
| MPS1-0890-PC     |     | 2     | 85.4  | 19.2  | 41.4  | 43.4  | 84  | 1.4 | 10   | ●      | 2   |
| MPS1-0890-L8C    |     | 8     | 144.8 | 73.0  | 100.8 | 103.8 | 143 | 1.8 | 10   | ●      | 2   |
| MPS1-0890-L10C   |     | 10    | 162.6 | 90.6  | 118.6 | 121.6 | 161 | 1.6 | 10   | □      | 2   |
| MPS1-0890-L12C   |     | 12    | 180.6 | 108.4 | 136.6 | 139.6 | 179 | 1.6 | 10   | ●      | 2   |
| MPS1-0890-L15C   |     | 15    | 207.6 | 135.1 | 163.6 | 166.6 | 206 | 1.6 | 10   | □      | 2   |
| MPS1-0890-L20C   |     | 20    | 252.6 | 179.6 | 208.6 | 211.6 | 251 | 1.6 | 10   | □      | 2   |
| MPS1-0890-L25C   |     | 25    | 297.6 | 224.1 | 253.6 | 256.6 | 296 | 1.6 | 10   | □      | 2   |
| MPS1-0890-L30C   |     | 30    | 341.6 | 268.6 | 298.6 | 300.6 | 340 | 1.6 | 10   | □      | 2   |
| MPS1-0890-L35C   |     | 35    | 386.6 | 313.1 | 343.6 | 345.6 | 385 | 1.6 | 10   | □      | 2   |
| MPS1-0890-L40C   |     | 40    | 435.6 | 357.6 | 391.6 | 394.6 | 434 | 1.6 | 10   | ●      | 2   |
| MPS1-0900S-DIN   | 9.0 | 3     | 88.6  | 33.1  | 46.6  | 47.6  | 87  | 1.6 | 10   | □      | 4   |
| MPS1-0900S-DIN-C |     | 3     | 88.6  | 33.1  | 46.6  | 47.6  | 87  | 1.6 | 10   | ●      | 2   |
| MPS1-0900L-DIN   |     | 5     | 102.6 | 47.1  | 60.6  | 61.6  | 101 | 1.6 | 10   | □      | 4   |
| MPS1-0900L-DIN-C |     | 5     | 102.6 | 47.1  | 60.6  | 61.6  | 101 | 1.6 | 10   | ●      | 2   |
| MPS1-0900-PC     |     | 2     | 85.4  | 19.4  | 41.4  | 43.4  | 84  | 1.4 | 10   | ●      | 2   |
| MPS1-0900-L8C    |     | 8     | 144.9 | 73.9  | 100.9 | 103.9 | 143 | 1.9 | 10   | ●      | 2   |
| MPS1-0900-L10C   |     | 10    | 162.6 | 91.6  | 118.6 | 121.6 | 161 | 1.6 | 10   | ●      | 2   |
| MPS1-0900-L12C   |     | 12    | 180.6 | 109.6 | 136.6 | 139.6 | 179 | 1.6 | 10   | ●      | 2   |
| MPS1-0900-L15C   |     | 15    | 207.6 | 136.6 | 163.6 | 166.6 | 206 | 1.6 | 10   | ●      | 2   |
| MPS1-0900-L20C   |     | 20    | 252.6 | 181.6 | 208.6 | 211.6 | 251 | 1.6 | 10   | ●      | 2   |
| MPS1-0900-L25C   |     | 25    | 297.6 | 226.6 | 253.6 | 256.6 | 296 | 1.6 | 10   | ●      | 2   |
| MPS1-0900-L30C   |     | 30    | 341.6 | 271.6 | 298.6 | 300.6 | 340 | 1.6 | 10   | ●      | 2   |
| MPS1-0900-L35C   |     | 35    | 386.6 | 316.6 | 343.6 | 345.6 | 385 | 1.6 | 10   | □      | 2   |
| MPS1-0900-L40C   |     | 40    | 435.6 | 361.6 | 391.6 | 394.6 | 434 | 1.6 | 10   | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0910S-DIN   |     | 3     | 88.7  | 33.0  | 46.7  | 47.7  | 87  | 1.7 | 10   | □      | 4   |
| MPS1-0910S-DIN-C |     | 3     | 88.7  | 33.0  | 46.7  | 47.7  | 87  | 1.7 | 10   | ●      | 2   |
| MPS1-0910L-DIN   |     | 5     | 102.7 | 47.0  | 60.7  | 61.7  | 101 | 1.7 | 10   | □      | 4   |
| MPS1-0910L-DIN-C |     | 5     | 102.7 | 47.0  | 60.7  | 61.7  | 101 | 1.7 | 10   | ●      | 2   |
| MPS1-0910-PC     |     | 2     | 90.4  | 19.6  | 41.4  | 44.4  | 89  | 1.4 | 10   | ●      | 2   |
| MPS1-0910-L8C    |     | 8     | 150.9 | 74.7  | 106.9 | 109.9 | 149 | 1.9 | 10   | ●      | 2   |
| MPS1-0910-L10C   | 9.1 | 10    | 169.7 | 92.7  | 125.7 | 128.7 | 168 | 1.7 | 10   | □      | 2   |
| MPS1-0910-L12C   |     | 12    | 188.7 | 110.9 | 144.7 | 147.7 | 187 | 1.7 | 10   | ●      | 2   |
| MPS1-0910-L15C   |     | 15    | 216.7 | 138.2 | 172.7 | 175.7 | 215 | 1.7 | 10   | ●      | 2   |
| MPS1-0910-L20C   |     | 20    | 264.7 | 183.7 | 220.7 | 223.7 | 263 | 1.7 | 10   | □      | 2   |
| MPS1-0910-L25C   |     | 25    | 311.7 | 229.2 | 267.7 | 270.7 | 310 | 1.7 | 10   | □      | 2   |
| MPS1-0910-L30C   |     | 30    | 359.7 | 274.7 | 315.7 | 318.7 | 358 | 1.7 | 10   | ●      | 2   |
| MPS1-0910-L35C   |     | 35    | 405.7 | 320.2 | 362.7 | 364.7 | 404 | 1.7 | 10   | □      | 2   |
| MPS1-0920S-DIN   |     | 3     | 88.7  | 32.9  | 46.7  | 47.7  | 87  | 1.7 | 10   | □      | 4   |
| MPS1-0920S-DIN-C |     | 3     | 88.7  | 32.9  | 46.7  | 47.7  | 87  | 1.7 | 10   | ●      | 2   |
| MPS1-0920L-DIN   |     | 5     | 102.7 | 46.9  | 60.7  | 61.7  | 101 | 1.7 | 10   | □      | 4   |
| MPS1-0920L-DIN-C |     | 5     | 102.7 | 46.9  | 60.7  | 61.7  | 101 | 1.7 | 10   | ●      | 2   |
| MPS1-0920-PC     |     | 2     | 90.5  | 19.9  | 41.5  | 44.5  | 89  | 1.5 | 10   | ●      | 2   |
| MPS1-0920-L8C    |     | 8     | 150.9 | 75.5  | 106.9 | 109.9 | 149 | 1.9 | 10   | ●      | 2   |
| MPS1-0920-L10C   | 9.2 | 10    | 169.7 | 93.7  | 125.7 | 128.7 | 168 | 1.7 | 10   | □      | 2   |
| MPS1-0920-L12C   |     | 12    | 188.7 | 112.1 | 144.7 | 147.7 | 187 | 1.7 | 10   | ●      | 2   |
| MPS1-0920-L15C   |     | 15    | 216.7 | 139.7 | 172.7 | 175.7 | 215 | 1.7 | 10   | ●      | 2   |
| MPS1-0920-L20C   |     | 20    | 264.7 | 185.7 | 220.7 | 223.7 | 263 | 1.7 | 10   | □      | 2   |
| MPS1-0920-L25C   |     | 25    | 311.7 | 231.7 | 267.7 | 270.7 | 310 | 1.7 | 10   | □      | 2   |
| MPS1-0920-L30C   |     | 30    | 359.7 | 277.7 | 315.7 | 318.7 | 358 | 1.7 | 10   | □      | 2   |
| MPS1-0920-L35C   |     | 35    | 405.7 | 323.7 | 362.7 | 364.7 | 404 | 1.7 | 10   | □      | 2   |
| MPS1-0930S-DIN   |     | 3     | 88.7  | 32.7  | 46.7  | 47.7  | 87  | 1.7 | 10   | □      | 4   |
| MPS1-0930S-DIN-C |     | 3     | 88.7  | 32.7  | 46.7  | 47.7  | 87  | 1.7 | 10   | ●      | 2   |
| MPS1-0930L-DIN   |     | 5     | 102.7 | 46.7  | 60.7  | 61.7  | 101 | 1.7 | 10   | □      | 4   |
| MPS1-0930L-DIN-C |     | 5     | 102.7 | 46.7  | 60.7  | 61.7  | 101 | 1.7 | 10   | ●      | 2   |
| MPS1-0930-PC     |     | 2     | 90.5  | 20.1  | 41.5  | 44.5  | 89  | 1.5 | 10   | ●      | 2   |
| MPS1-0930-L8C    |     | 8     | 150.9 | 76.3  | 106.9 | 109.9 | 149 | 1.9 | 10   | ●      | 2   |
| MPS1-0930-L10C   | 9.3 | 10    | 169.7 | 94.7  | 125.7 | 128.7 | 168 | 1.7 | 10   | □      | 2   |
| MPS1-0930-L12C   |     | 12    | 188.7 | 113.3 | 144.7 | 147.7 | 187 | 1.7 | 10   | ●      | 2   |
| MPS1-0930-L15C   |     | 15    | 216.7 | 141.2 | 172.7 | 175.7 | 215 | 1.7 | 10   | □      | 2   |
| MPS1-0930-L20C   |     | 20    | 264.7 | 187.7 | 220.7 | 223.7 | 263 | 1.7 | 10   | □      | 2   |
| MPS1-0930-L25C   |     | 25    | 311.7 | 234.2 | 267.7 | 270.7 | 310 | 1.7 | 10   | □      | 2   |
| MPS1-0930-L30C   |     | 30    | 359.7 | 280.7 | 315.7 | 318.7 | 358 | 1.7 | 10   | □      | 2   |
| MPS1-0930-L35C   |     | 35    | 405.7 | 327.2 | 362.7 | 364.7 | 404 | 1.7 | 10   | □      | 2   |

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## MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0940S-DIN   |     | 3     | 88.7  | 32.6  | 46.7  | 47.7  | 87  | 1.7 | 10   | □      | 4   |
| MPS1-0940S-DIN-C |     | 3     | 88.7  | 32.6  | 46.7  | 47.7  | 87  | 1.7 | 10   | ●      | 2   |
| MPS1-0940L-DIN   |     | 5     | 102.7 | 46.6  | 60.7  | 61.7  | 101 | 1.7 | 10   | □      | 4   |
| MPS1-0940L-DIN-C |     | 5     | 102.7 | 46.6  | 60.7  | 61.7  | 101 | 1.7 | 10   | ●      | 2   |
| MPS1-0940-PC     |     | 2     | 90.5  | 20.3  | 41.5  | 44.5  | 89  | 1.5 | 10   | ●      | 2   |
| MPS1-0940-L8C    |     | 8     | 150.9 | 77.1  | 106.9 | 109.9 | 149 | 1.9 | 10   | ●      | 2   |
| MPS1-0940-L10C   | 9.4 | 10    | 169.7 | 95.7  | 125.7 | 128.7 | 168 | 1.7 | 10   | □      | 2   |
| MPS1-0940-L12C   |     | 12    | 188.7 | 114.5 | 144.7 | 147.7 | 187 | 1.7 | 10   | ●      | 2   |
| MPS1-0940-L15C   |     | 15    | 216.7 | 142.7 | 172.7 | 175.7 | 215 | 1.7 | 10   | □      | 2   |
| MPS1-0940-L20C   |     | 20    | 264.7 | 189.7 | 220.7 | 223.7 | 263 | 1.7 | 10   | □      | 2   |
| MPS1-0940-L25C   |     | 25    | 311.7 | 236.7 | 267.7 | 270.7 | 310 | 1.7 | 10   | □      | 2   |
| MPS1-0940-L30C   |     | 30    | 359.7 | 283.7 | 315.7 | 318.7 | 358 | 1.7 | 10   | □      | 2   |
| MPS1-0940-L35C   |     | 35    | 405.7 | 330.7 | 362.7 | 364.7 | 404 | 1.7 | 10   | □      | 2   |
| MPS1-0950S-DIN   |     | 3     | 88.7  | 32.5  | 46.7  | 47.7  | 87  | 1.7 | 10   | □      | 4   |
| MPS1-0950S-DIN-C |     | 3     | 88.7  | 32.5  | 46.7  | 47.7  | 87  | 1.7 | 10   | ●      | 2   |
| MPS1-0950L-DIN   |     | 5     | 102.7 | 46.5  | 60.7  | 61.7  | 101 | 1.7 | 10   | □      | 4   |
| MPS1-0950L-DIN-C |     | 5     | 102.7 | 46.5  | 60.7  | 61.7  | 101 | 1.7 | 10   | ●      | 2   |
| MPS1-0950-PC     |     | 2     | 90.5  | 20.5  | 41.5  | 44.5  | 89  | 1.5 | 10   | ●      | 2   |
| MPS1-0950-L8C    |     | 8     | 151.0 | 78.0  | 107.0 | 110.0 | 149 | 2.0 | 10   | ●      | 2   |
| MPS1-0950-L10C   | 9.5 | 10    | 169.7 | 96.7  | 125.7 | 128.7 | 168 | 1.7 | 10   | □      | 2   |
| MPS1-0950-L12C   |     | 12    | 188.7 | 115.7 | 144.7 | 147.7 | 187 | 1.7 | 10   | ●      | 2   |
| MPS1-0950-L15C   |     | 15    | 216.7 | 144.2 | 172.7 | 175.7 | 215 | 1.7 | 10   | ●      | 2   |
| MPS1-0950-L20C   |     | 20    | 264.7 | 191.7 | 220.7 | 223.7 | 263 | 1.7 | 10   | ●      | 2   |
| MPS1-0950-L25C   |     | 25    | 311.7 | 239.2 | 267.7 | 270.7 | 310 | 1.7 | 10   | ●      | 2   |
| MPS1-0950-L30C   |     | 30    | 359.7 | 286.7 | 315.7 | 318.7 | 358 | 1.7 | 10   | ●      | 2   |
| MPS1-0950-L35C   |     | 35    | 405.7 | 334.2 | 362.7 | 364.7 | 404 | 1.7 | 10   | □      | 2   |
| MPS1-0960S-DIN   |     | 3     | 88.7  | 32.3  | 46.7  | 47.7  | 87  | 1.7 | 10   | □      | 4   |
| MPS1-0960S-DIN-C |     | 3     | 88.7  | 32.3  | 46.7  | 47.7  | 87  | 1.7 | 10   | ●      | 2   |
| MPS1-0960L-DIN   |     | 5     | 102.7 | 46.3  | 60.7  | 61.7  | 101 | 1.7 | 10   | □      | 4   |
| MPS1-0960L-DIN-C |     | 5     | 102.7 | 46.3  | 60.7  | 61.7  | 101 | 1.7 | 10   | ●      | 2   |
| MPS1-0960-PC     |     | 2     | 90.5  | 20.7  | 44.5  | 44.5  | 89  | 1.5 | 10   | ●      | 2   |
| MPS1-0960-L8C    |     | 8     | 156.0 | 78.8  | 112.0 | 115.0 | 154 | 2.0 | 10   | ●      | 2   |
| MPS1-0960-L10C   | 9.6 | 10    | 175.7 | 97.7  | 131.7 | 134.7 | 174 | 1.7 | 10   | □      | 2   |
| MPS1-0960-L12C   |     | 12    | 195.7 | 116.9 | 151.7 | 154.7 | 194 | 1.7 | 10   | ●      | 2   |
| MPS1-0960-L15C   |     | 15    | 225.7 | 145.7 | 181.7 | 184.7 | 224 | 1.7 | 10   | ●      | 2   |
| MPS1-0960-L20C   |     | 20    | 275.7 | 193.7 | 231.7 | 234.7 | 274 | 1.7 | 10   | □      | 2   |
| MPS1-0960-L25C   |     | 25    | 325.7 | 241.7 | 281.7 | 284.7 | 324 | 1.7 | 10   | □      | 2   |
| MPS1-0960-L30C   |     | 30    | 375.7 | 289.7 | 331.7 | 334.7 | 374 | 1.7 | 10   | □      | 2   |
| MPS1-0960-L35C   |     | 35    | 424.7 | 337.7 | 381.7 | 383.7 | 423 | 1.7 | 10   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC  | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-----|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-0970S-DIN   |     | 3     | 88.8  | 32.2  | 46.8  | 47.8  | 87  | 1.8 | 10   | □      | 4   |
| MPS1-0970S-DIN-C |     | 3     | 88.8  | 32.2  | 46.8  | 47.8  | 87  | 1.8 | 10   | ●      | 2   |
| MPS1-0970L-DIN   |     | 5     | 102.8 | 46.2  | 60.8  | 61.8  | 101 | 1.8 | 10   | □      | 4   |
| MPS1-0970L-DIN-C |     | 5     | 102.8 | 46.2  | 60.8  | 61.8  | 101 | 1.8 | 10   | ●      | 2   |
| MPS1-0970-PC     |     | 2     | 90.5  | 20.9  | 44.5  | 44.5  | 89  | 1.5 | 10   | ●      | 2   |
| MPS1-0970-L8C    |     | 8     | 156.0 | 79.6  | 112.0 | 115.0 | 154 | 2.0 | 10   | ●      | 2   |
| MPS1-0970-L10C   | 9.7 | 10    | 175.8 | 98.8  | 131.8 | 134.8 | 174 | 1.8 | 10   | □      | 2   |
| MPS1-0970-L12C   |     | 12    | 195.8 | 118.2 | 151.8 | 154.8 | 194 | 1.8 | 10   | ●      | 2   |
| MPS1-0970-L15C   |     | 15    | 225.8 | 147.3 | 181.8 | 184.8 | 224 | 1.8 | 10   | ●      | 2   |
| MPS1-0970-L20C   |     | 20    | 275.8 | 195.8 | 231.8 | 234.8 | 274 | 1.8 | 10   | □      | 2   |
| MPS1-0970-L25C   |     | 25    | 325.8 | 244.3 | 281.8 | 284.8 | 324 | 1.8 | 10   | □      | 2   |
| MPS1-0970-L30C   |     | 30    | 375.8 | 292.8 | 331.8 | 334.8 | 374 | 1.8 | 10   | □      | 2   |
| MPS1-0970-L35C   |     | 35    | 424.8 | 341.3 | 381.8 | 383.8 | 423 | 1.8 | 10   | □      | 2   |
| MPS1-0980S-DIN   |     | 3     | 88.8  | 32.1  | 46.8  | 47.8  | 87  | 1.8 | 10   | □      | 4   |
| MPS1-0980S-DIN-C |     | 3     | 88.8  | 32.1  | 46.8  | 47.8  | 87  | 1.8 | 10   | ●      | 2   |
| MPS1-0980L-DIN   |     | 5     | 102.8 | 46.1  | 60.8  | 61.8  | 101 | 1.8 | 10   | □      | 4   |
| MPS1-0980L-DIN-C |     | 5     | 102.8 | 46.1  | 60.8  | 61.8  | 101 | 1.8 | 10   | ●      | 2   |
| MPS1-0980-PC     |     | 2     | 90.5  | 21.1  | 44.5  | 44.5  | 89  | 1.5 | 10   | ●      | 2   |
| MPS1-0980-L8C    |     | 8     | 156.0 | 80.4  | 112.0 | 115.0 | 154 | 2.0 | 10   | ●      | 2   |
| MPS1-0980-L10C   | 9.8 | 10    | 175.8 | 99.8  | 131.8 | 134.8 | 174 | 1.8 | 10   | □      | 2   |
| MPS1-0980-L12C   |     | 12    | 195.8 | 119.4 | 151.8 | 154.8 | 194 | 1.8 | 10   | ●      | 2   |
| MPS1-0980-L15C   |     | 15    | 225.8 | 148.8 | 181.8 | 184.8 | 224 | 1.8 | 10   | ●      | 2   |
| MPS1-0980-L20C   |     | 20    | 275.8 | 197.8 | 231.8 | 234.8 | 274 | 1.8 | 10   | ●      | 2   |
| MPS1-0980-L25C   |     | 25    | 325.8 | 246.8 | 281.8 | 284.8 | 324 | 1.8 | 10   | □      | 2   |
| MPS1-0980-L30C   |     | 30    | 375.8 | 295.8 | 331.8 | 334.8 | 374 | 1.8 | 10   | ●      | 2   |
| MPS1-0980-L35C   |     | 35    | 424.8 | 344.8 | 381.8 | 383.8 | 423 | 1.8 | 10   | □      | 2   |
| MPS1-0990S-DIN   |     | 3     | 88.8  | 32.0  | 46.8  | 47.8  | 87  | 1.8 | 10   | □      | 4   |
| MPS1-0990S-DIN-C |     | 3     | 88.8  | 32.0  | 46.8  | 47.8  | 87  | 1.8 | 10   | ●      | 2   |
| MPS1-0990L-DIN   |     | 5     | 102.8 | 46.0  | 60.8  | 61.8  | 101 | 1.8 | 10   | □      | 4   |
| MPS1-0990L-DIN-C |     | 5     | 102.8 | 46.0  | 60.8  | 61.8  | 101 | 1.8 | 10   | ●      | 2   |
| MPS1-0990-PC     |     | 2     | 90.6  | 21.4  | 44.6  | 44.6  | 89  | 1.6 | 10   | ●      | 2   |
| MPS1-0990-L8C    |     | 8     | 156.1 | 81.3  | 112.1 | 115.1 | 154 | 2.1 | 10   | ●      | 2   |
| MPS1-0990-L10C   | 9.9 | 10    | 175.8 | 100.8 | 131.8 | 134.8 | 174 | 1.8 | 10   | □      | 2   |
| MPS1-0990-L12C   |     | 12    | 195.8 | 120.6 | 151.8 | 154.8 | 194 | 1.8 | 10   | ●      | 2   |
| MPS1-0990-L15C   |     | 15    | 225.8 | 150.3 | 181.8 | 184.8 | 224 | 1.8 | 10   | ●      | 2   |
| MPS1-0990-L20C   |     | 20    | 275.8 | 199.8 | 231.8 | 234.8 | 274 | 1.8 | 10   | □      | 2   |
| MPS1-0990-L25C   |     | 25    | 325.8 | 249.3 | 281.8 | 284.8 | 324 | 1.8 | 10   | □      | 2   |
| MPS1-0990-L30C   |     | 30    | 375.8 | 298.8 | 331.8 | 334.8 | 374 | 1.8 | 10   | □      | 2   |
| MPS1-0990-L35C   |     | 35    | 424.8 | 348.3 | 381.8 | 383.8 | 423 | 1.8 | 10   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC    | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|-------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1000S-DIN   |       | 3     | 88.8  | 31.8  | 46.8  | 47.8  | 87  | 1.8 | 10   | □      | 4   |
| MPS1-1000S-DIN-C |       | 3     | 88.8  | 31.8  | 46.8  | 47.8  | 87  | 1.8 | 10   | ●      | 2   |
| MPS1-1000L-DIN   |       | 5     | 102.8 | 45.8  | 60.8  | 61.8  | 101 | 1.8 | 10   | □      | 4   |
| MPS1-1000L-DIN-C |       | 5     | 102.8 | 45.8  | 60.8  | 61.8  | 101 | 1.8 | 10   | ●      | 2   |
| MPS1-1000-PC     |       | 2     | 90.6  | 21.6  | 44.6  | 44.6  | 89  | 1.6 | 10   | ●      | 2   |
| MPS1-1000-L8C    |       | 8     | 156.1 | 82.1  | 112.1 | 115.1 | 154 | 2.1 | 10   | ●      | 2   |
| MPS1-1000-L10C   | 10.0  | 10    | 175.8 | 101.8 | 131.8 | 134.8 | 174 | 1.8 | 10   | □      | 2   |
| MPS1-1000-L12C   |       | 12    | 195.8 | 121.8 | 151.8 | 154.8 | 194 | 1.8 | 10   | ●      | 2   |
| MPS1-1000-L15C   |       | 15    | 225.8 | 151.8 | 181.8 | 184.8 | 224 | 1.8 | 10   | ●      | 2   |
| MPS1-1000-L20C   |       | 20    | 275.8 | 201.8 | 231.8 | 234.8 | 274 | 1.8 | 10   | ●      | 2   |
| MPS1-1000-L25C   |       | 25    | 325.8 | 251.8 | 281.8 | 284.8 | 324 | 1.8 | 10   | ●      | 2   |
| MPS1-1000-L30C   |       | 30    | 375.8 | 301.8 | 331.8 | 334.8 | 374 | 1.8 | 10   | ●      | 2   |
| MPS1-1000-L35C   |       | 35    | 424.8 | 351.8 | 381.8 | 383.8 | 423 | 1.8 | 10   | □      | 2   |
| MPS1-1005S-DIN   |       | 3     | 101.8 | 39.8  | 54.8  | 55.8  | 100 | 1.8 | 12   | □      | 4   |
| MPS1-1005S-DIN-C |       | 3     | 101.8 | 39.8  | 54.8  | 55.8  | 100 | 1.8 | 12   | ●      | 2   |
| MPS1-1005L-DIN   | 10.05 | 5     | 117.8 | 55.8  | 70.8  | 71.8  | 116 | 1.8 | 12   | □      | 4   |
| MPS1-1005L-DIN-C |       | 5     | 117.8 | 55.8  | 70.8  | 71.8  | 116 | 1.8 | 12   | ●      | 2   |
| MPS1-1010S-DIN   |       | 3     | 101.8 | 39.7  | 54.8  | 55.8  | 100 | 1.8 | 12   | □      | 4   |
| MPS1-1010S-DIN-C |       | 3     | 101.8 | 39.7  | 54.8  | 55.8  | 100 | 1.8 | 12   | ●      | 2   |
| MPS1-1010L-DIN   |       | 5     | 117.8 | 55.7  | 70.8  | 71.8  | 116 | 1.8 | 12   | □      | 4   |
| MPS1-1010L-DIN-C |       | 5     | 117.8 | 55.7  | 70.8  | 71.8  | 116 | 1.8 | 12   | ●      | 2   |
| MPS1-1010-PC     |       | 2     | 96.6  | 21.8  | 44.6  | 47.6  | 95  | 1.6 | 12   | ●      | 2   |
| MPS1-1010-L8C    | 10.1  | 8     | 167.1 | 82.9  | 118.1 | 121.1 | 165 | 2.1 | 12   | ●      | 2   |
| MPS1-1010-L10C   |       | 10    | 187.8 | 102.8 | 138.8 | 141.8 | 186 | 1.8 | 12   | □      | 2   |
| MPS1-1010-L12C   |       | 12    | 208.8 | 123.0 | 159.8 | 162.8 | 207 | 1.8 | 12   | ●      | 2   |
| MPS1-1010-L15C   |       | 15    | 239.8 | 153.3 | 190.8 | 193.8 | 238 | 1.8 | 12   | ●      | 2   |
| MPS1-1010-L20C   |       | 20    | 292.8 | 203.8 | 243.8 | 246.8 | 291 | 1.8 | 12   | ●      | 2   |
| MPS1-1010-L25C   |       | 25    | 344.8 | 254.3 | 295.8 | 298.8 | 343 | 1.8 | 12   | □      | 2   |
| MPS1-1020S-DIN   |       | 3     | 101.9 | 39.6  | 54.9  | 55.9  | 100 | 1.9 | 12   | □      | 4   |
| MPS1-1020S-DIN-C |       | 3     | 101.9 | 39.6  | 54.9  | 55.9  | 100 | 1.9 | 12   | ●      | 2   |
| MPS1-1020L-DIN   |       | 5     | 117.9 | 55.6  | 70.9  | 71.9  | 116 | 1.9 | 12   | □      | 4   |
| MPS1-1020L-DIN-C |       | 5     | 117.9 | 55.6  | 70.9  | 71.9  | 116 | 1.9 | 12   | ●      | 2   |
| MPS1-1020-PC     |       | 2     | 96.6  | 22.0  | 44.6  | 47.6  | 95  | 1.6 | 12   | ●      | 2   |
| MPS1-1020-L8C    | 10.2  | 8     | 167.1 | 83.7  | 118.1 | 121.1 | 165 | 2.1 | 12   | ●      | 2   |
| MPS1-1020-L10C   |       | 10    | 187.9 | 103.9 | 138.9 | 141.9 | 186 | 1.9 | 12   | □      | 2   |
| MPS1-1020-L12C   |       | 12    | 208.9 | 124.3 | 159.9 | 162.9 | 207 | 1.9 | 12   | ●      | 2   |
| MPS1-1020-L15C   |       | 15    | 239.9 | 154.9 | 190.9 | 193.9 | 238 | 1.9 | 12   | ●      | 2   |
| MPS1-1020-L20C   |       | 20    | 292.9 | 205.9 | 243.9 | 246.9 | 291 | 1.9 | 12   | ●      | 2   |
| MPS1-1020-L25C   |       | 25    | 344.9 | 256.9 | 295.9 | 298.9 | 343 | 1.9 | 12   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1030S-DIN   |      | 3     | 101.9 | 39.4  | 54.9  | 55.9  | 100 | 1.9 | 12   | □      | 4   |
| MPS1-1030S-DIN-C |      | 3     | 101.9 | 39.4  | 54.9  | 55.9  | 100 | 1.9 | 12   | ●      | 2   |
| MPS1-1030L-DIN   |      | 5     | 117.9 | 55.4  | 70.9  | 71.9  | 116 | 1.9 | 12   | □      | 4   |
| MPS1-1030L-DIN-C |      | 5     | 117.9 | 55.4  | 70.9  | 71.9  | 116 | 1.9 | 12   | ●      | 2   |
| MPS1-1030-PC     |      | 2     | 96.6  | 22.2  | 44.6  | 47.6  | 95  | 1.6 | 12   | ●      | 2   |
| MPS1-1030-L8C    | 10.3 | 8     | 167.1 | 84.5  | 118.1 | 121.1 | 165 | 2.1 | 12   | ●      | 2   |
| MPS1-1030-L10C   |      | 10    | 187.9 | 104.9 | 138.9 | 141.9 | 186 | 1.9 | 12   | □      | 2   |
| MPS1-1030-L12C   |      | 12    | 208.9 | 125.5 | 159.9 | 162.9 | 207 | 1.9 | 12   | ●      | 2   |
| MPS1-1030-L15C   |      | 15    | 239.9 | 156.4 | 190.9 | 193.9 | 238 | 1.9 | 12   | □      | 2   |
| MPS1-1030-L20C   |      | 20    | 292.9 | 207.9 | 243.9 | 246.9 | 291 | 1.9 | 12   | □      | 2   |
| MPS1-1030-L25C   |      | 25    | 344.9 | 259.4 | 295.9 | 298.9 | 343 | 1.9 | 12   | □      | 2   |
| MPS1-1040S-DIN   |      | 3     | 101.9 | 39.3  | 54.9  | 55.9  | 100 | 1.9 | 12   | □      | 4   |
| MPS1-1040S-DIN-C |      | 3     | 101.9 | 39.3  | 54.9  | 55.9  | 100 | 1.9 | 12   | ●      | 2   |
| MPS1-1040L-DIN   |      | 5     | 117.9 | 55.3  | 70.9  | 71.9  | 116 | 1.9 | 12   | □      | 4   |
| MPS1-1040L-DIN-C |      | 5     | 117.9 | 55.3  | 70.9  | 71.9  | 116 | 1.9 | 12   | ●      | 2   |
| MPS1-1040-PC     |      | 2     | 96.6  | 22.4  | 44.6  | 47.6  | 95  | 1.6 | 12   | ●      | 2   |
| MPS1-1040-L8C    | 10.4 | 8     | 167.2 | 85.4  | 118.2 | 121.2 | 165 | 2.2 | 12   | ●      | 2   |
| MPS1-1040-L10C   |      | 10    | 187.9 | 105.9 | 138.9 | 141.9 | 186 | 1.9 | 12   | □      | 2   |
| MPS1-1040-L12C   |      | 12    | 208.9 | 126.7 | 159.9 | 162.9 | 207 | 1.9 | 12   | ●      | 2   |
| MPS1-1040-L15C   |      | 15    | 239.9 | 157.9 | 190.9 | 193.9 | 238 | 1.9 | 12   | □      | 2   |
| MPS1-1040-L20C   |      | 20    | 292.9 | 209.9 | 243.9 | 246.9 | 291 | 1.9 | 12   | □      | 2   |
| MPS1-1040-L25C   |      | 25    | 344.9 | 261.9 | 295.9 | 298.9 | 343 | 1.9 | 12   | □      | 2   |
| MPS1-1050S-DIN   |      | 3     | 101.9 | 39.2  | 54.9  | 55.9  | 100 | 1.9 | 12   | □      | 4   |
| MPS1-1050S-DIN-C |      | 3     | 101.9 | 39.2  | 54.9  | 55.9  | 100 | 1.9 | 12   | ●      | 2   |
| MPS1-1050L-DIN   |      | 5     | 117.9 | 55.2  | 70.9  | 71.9  | 116 | 1.9 | 12   | □      | 4   |
| MPS1-1050L-DIN-C |      | 5     | 117.9 | 55.2  | 70.9  | 71.9  | 116 | 1.9 | 12   | ●      | 2   |
| MPS1-1050-PC     |      | 2     | 96.7  | 22.7  | 44.7  | 47.7  | 95  | 1.7 | 12   | ●      | 2   |
| MPS1-1050-L8C    | 10.5 | 8     | 167.2 | 86.2  | 118.2 | 121.2 | 165 | 2.2 | 12   | ●      | 2   |
| MPS1-1050-L10C   |      | 10    | 187.9 | 106.9 | 138.9 | 141.9 | 186 | 1.9 | 12   | □      | 2   |
| MPS1-1050-L12C   |      | 12    | 208.9 | 127.9 | 159.9 | 162.9 | 207 | 1.9 | 12   | ●      | 2   |
| MPS1-1050-L15C   |      | 15    | 239.9 | 159.4 | 190.9 | 193.9 | 238 | 1.9 | 12   | ●      | 2   |
| MPS1-1050-L20C   |      | 20    | 292.9 | 211.9 | 243.9 | 246.9 | 291 | 1.9 | 12   | ●      | 2   |
| MPS1-1050-L25C   |      | 25    | 344.9 | 264.4 | 295.9 | 298.9 | 343 | 1.9 | 12   | ●      | 2   |
| MPS1-1060S-DIN   |      | 3     | 101.9 | 39.0  | 54.9  | 55.9  | 100 | 1.9 | 12   | □      | 4   |
| MPS1-1060S-DIN-C |      | 3     | 101.9 | 39.0  | 54.9  | 55.9  | 100 | 1.9 | 12   | ●      | 2   |
| MPS1-1060L-DIN   |      | 5     | 117.9 | 55.0  | 70.9  | 71.9  | 116 | 1.9 | 12   | □      | 4   |
| MPS1-1060L-DIN-C |      | 5     | 117.9 | 55.0  | 70.9  | 71.9  | 116 | 1.9 | 12   | ●      | 2   |
| MPS1-1060-PC     |      | 2     | 96.7  | 22.9  | 48.7  | 49.7  | 95  | 1.7 | 12   | □      | 2   |
| MPS1-1060-L8C    | 10.6 | 8     | 172.2 | 87.0  | 123.2 | 126.2 | 170 | 2.2 | 12   | ●      | 2   |
| MPS1-1060-L10C   |      | 10    | 193.9 | 107.9 | 144.9 | 147.9 | 192 | 1.9 | 12   | □      | 2   |
| MPS1-1060-L12C   |      | 12    | 215.9 | 129.1 | 166.9 | 169.9 | 214 | 1.9 | 12   | □      | 2   |
| MPS1-1060-L15C   |      | 15    | 248.9 | 160.9 | 199.9 | 202.9 | 247 | 1.9 | 12   | □      | 2   |
| MPS1-1060-L20C   |      | 20    | 303.9 | 213.9 | 254.9 | 257.9 | 302 | 1.9 | 12   | □      | 2   |
| MPS1-1060-L25C   |      | 25    | 358.9 | 266.9 | 309.9 | 312.9 | 357 | 1.9 | 12   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1070S-DIN   | 10.7 | 3     | 101.9 | 38.9  | 54.9  | 55.9  | 100 | 1.9 | 12   | □      | 4   |
| MPS1-1070S-DIN-C |      | 3     | 101.9 | 38.9  | 54.9  | 55.9  | 100 | 1.9 | 12   | ●      | 2   |
| MPS1-1070L-DIN   |      | 5     | 117.9 | 54.9  | 70.9  | 71.9  | 116 | 1.9 | 12   | □      | 4   |
| MPS1-1070L-DIN-C |      | 5     | 117.9 | 54.9  | 70.9  | 71.9  | 116 | 1.9 | 12   | ●      | 2   |
| MPS1-1070-PC     |      | 2     | 96.7  | 23.1  | 48.7  | 49.7  | 95  | 1.7 | 12   | ●      | 2   |
| MPS1-1070-L8C    |      | 8     | 172.2 | 87.8  | 123.2 | 126.2 | 170 | 2.2 | 12   | ●      | 2   |
| MPS1-1070-L10C   |      | 10    | 193.9 | 108.9 | 144.9 | 147.9 | 192 | 1.9 | 12   | □      | 2   |
| MPS1-1070-L12C   |      | 12    | 215.9 | 130.3 | 166.9 | 169.9 | 214 | 1.9 | 12   | ●      | 2   |
| MPS1-1070-L15C   |      | 15    | 248.9 | 162.4 | 199.9 | 202.9 | 247 | 1.9 | 12   | □      | 2   |
| MPS1-1070-L20C   |      | 20    | 303.9 | 215.9 | 254.9 | 257.9 | 302 | 1.9 | 12   | □      | 2   |
| MPS1-1070-L25C   | 25   | 358.9 | 269.4 | 309.9 | 312.9 | 357   | 1.9 | 12  | □    | 2      |     |
| MPS1-1080S-DIN   | 10.8 | 3     | 102.0 | 38.8  | 55.0  | 56.0  | 100 | 2.0 | 12   | □      | 4   |
| MPS1-1080S-DIN-C |      | 3     | 102.0 | 38.8  | 55.0  | 56.0  | 100 | 2.0 | 12   | ●      | 2   |
| MPS1-1080L-DIN   |      | 5     | 118.0 | 54.8  | 71.0  | 72.0  | 116 | 2.0 | 12   | □      | 4   |
| MPS1-1080L-DIN-C |      | 5     | 118.0 | 54.8  | 71.0  | 72.0  | 116 | 2.0 | 12   | ●      | 2   |
| MPS1-1080-PC     |      | 2     | 96.7  | 23.3  | 48.7  | 49.7  | 95  | 1.7 | 12   | ●      | 2   |
| MPS1-1080-L8C    |      | 8     | 172.2 | 88.6  | 123.2 | 126.2 | 170 | 2.2 | 12   | ●      | 2   |
| MPS1-1080-L10C   |      | 10    | 194.0 | 110.0 | 145.0 | 148.0 | 192 | 2.0 | 12   | □      | 2   |
| MPS1-1080-L12C   |      | 12    | 216.0 | 131.6 | 167.0 | 170.0 | 214 | 2.0 | 12   | ●      | 2   |
| MPS1-1080-L15C   |      | 15    | 249.0 | 164.0 | 200.0 | 203.0 | 247 | 2.0 | 12   | □      | 2   |
| MPS1-1080-L20C   |      | 20    | 304.0 | 218.0 | 255.0 | 258.0 | 302 | 2.0 | 12   | □      | 2   |
| MPS1-1080-L25C   | 25   | 359.0 | 272.0 | 310.0 | 313.0 | 357   | 2.0 | 12  | □    | 2      |     |
| MPS1-1090S-DIN   | 10.9 | 3     | 102.0 | 38.6  | 55.0  | 56.0  | 100 | 2.0 | 12   | □      | 4   |
| MPS1-1090S-DIN-C |      | 3     | 102.0 | 38.6  | 55.0  | 56.0  | 100 | 2.0 | 12   | ●      | 2   |
| MPS1-1090L-DIN   |      | 5     | 118.0 | 54.6  | 71.0  | 72.0  | 116 | 2.0 | 12   | □      | 4   |
| MPS1-1090L-DIN-C |      | 5     | 118.0 | 54.6  | 71.0  | 72.0  | 116 | 2.0 | 12   | ●      | 2   |
| MPS1-1090-PC     |      | 2     | 96.7  | 23.5  | 48.7  | 49.7  | 95  | 1.7 | 12   | □      | 2   |
| MPS1-1090-L8C    |      | 8     | 172.3 | 89.5  | 123.3 | 126.3 | 170 | 2.3 | 12   | ●      | 2   |
| MPS1-1090-L10C   |      | 10    | 194.0 | 111.0 | 145.0 | 148.0 | 192 | 2.0 | 12   | □      | 2   |
| MPS1-1090-L12C   |      | 12    | 216.0 | 132.8 | 167.0 | 170.0 | 214 | 2.0 | 12   | □      | 2   |
| MPS1-1090-L15C   |      | 15    | 249.0 | 165.5 | 200.0 | 203.0 | 247 | 2.0 | 12   | □      | 2   |
| MPS1-1090-L20C   |      | 20    | 304.0 | 220.0 | 255.0 | 258.0 | 302 | 2.0 | 12   | □      | 2   |
| MPS1-1090-L25C   | 25   | 359.0 | 274.5 | 310.0 | 313.0 | 357   | 2.0 | 12  | □    | 2      |     |
| MPS1-1100S-DIN   | 11.0 | 3     | 102.0 | 38.5  | 55.0  | 56.0  | 100 | 2.0 | 12   | □      | 4   |
| MPS1-1100S-DIN-C |      | 3     | 102.0 | 38.5  | 55.0  | 56.0  | 100 | 2.0 | 12   | ●      | 2   |
| MPS1-1100L-DIN   |      | 5     | 118.0 | 54.5  | 71.0  | 72.0  | 116 | 2.0 | 12   | □      | 4   |
| MPS1-1100L-DIN-C |      | 5     | 118.0 | 54.5  | 71.0  | 72.0  | 116 | 2.0 | 12   | ●      | 2   |
| MPS1-1100-PC     |      | 2     | 96.7  | 23.7  | 48.7  | 49.7  | 95  | 1.7 | 12   | ●      | 2   |
| MPS1-1100-L8C    |      | 8     | 172.3 | 90.3  | 123.3 | 126.3 | 170 | 2.3 | 12   | ●      | 2   |
| MPS1-1100-L10C   |      | 10    | 194.0 | 112.0 | 145.0 | 148.0 | 192 | 2.0 | 12   | □      | 2   |
| MPS1-1100-L12C   |      | 12    | 216.0 | 134.0 | 167.0 | 170.0 | 214 | 2.0 | 12   | ●      | 2   |
| MPS1-1100-L15C   |      | 15    | 249.0 | 167.0 | 200.0 | 203.0 | 247 | 2.0 | 12   | ●      | 2   |
| MPS1-1100-L20C   |      | 20    | 304.0 | 222.0 | 255.0 | 258.0 | 302 | 2.0 | 12   | ●      | 2   |
| MPS1-1100-L25C   | 25   | 359.0 | 277.0 | 310.0 | 313.0 | 357   | 2.0 | 12  | ●    | 2      |     |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1110S-DIN   |      | 3     | 102.0 | 38.4  | 55.0  | 56.0  | 100 | 2.0 | 12   | □      | 4   |
| MPS1-1110S-DIN-C |      | 3     | 102.0 | 38.4  | 55.0  | 56.0  | 100 | 2.0 | 12   | ●      | 2   |
| MPS1-1110L-DIN   |      | 5     | 118.0 | 54.4  | 71.0  | 72.0  | 116 | 2.0 | 12   | □      | 4   |
| MPS1-1110L-DIN-C |      | 5     | 118.0 | 54.4  | 71.0  | 72.0  | 116 | 2.0 | 12   | ●      | 2   |
| MPS1-1110-PC     |      | 2     | 96.7  | 23.9  | 48.7  | 51.7  | 95  | 1.7 | 12   | ●      | 2   |
| MPS1-1110-L8C    | 11.1 | 8     | 178.3 | 91.1  | 129.3 | 132.3 | 176 | 2.3 | 12   | ●      | 2   |
| MPS1-1110-L10C   |      | 10    | 201.0 | 113.0 | 152.0 | 155.0 | 199 | 2.0 | 12   | □      | 2   |
| MPS1-1110-L12C   |      | 12    | 224.0 | 135.2 | 175.0 | 178.0 | 222 | 2.0 | 12   | ●      | 2   |
| MPS1-1110-L15C   |      | 15    | 258.0 | 168.5 | 209.0 | 212.0 | 256 | 2.0 | 12   | ●      | 2   |
| MPS1-1110-L20C   |      | 20    | 316.0 | 224.0 | 267.0 | 270.0 | 314 | 2.0 | 12   | □      | 2   |
| MPS1-1110-L25C   |      | 25    | 373.0 | 279.5 | 324.0 | 327.0 | 371 | 2.0 | 12   | ●      | 2   |
| MPS1-1120S-DIN   |      | 3     | 102.0 | 38.2  | 55.0  | 56.0  | 100 | 2.0 | 12   | □      | 4   |
| MPS1-1120S-DIN-C |      | 3     | 102.0 | 38.2  | 55.0  | 56.0  | 100 | 2.0 | 12   | ●      | 2   |
| MPS1-1120L-DIN   |      | 5     | 118.0 | 54.2  | 71.0  | 72.0  | 116 | 2.0 | 12   | □      | 4   |
| MPS1-1120L-DIN-C |      | 5     | 118.0 | 54.2  | 71.0  | 72.0  | 116 | 2.0 | 12   | ●      | 2   |
| MPS1-1120-PC     |      | 2     | 96.8  | 24.2  | 48.8  | 51.8  | 95  | 1.8 | 12   | ●      | 2   |
| MPS1-1120-L8C    | 11.2 | 8     | 178.3 | 91.9  | 129.3 | 132.3 | 176 | 2.3 | 12   | ●      | 2   |
| MPS1-1120-L10C   |      | 10    | 201.0 | 114.0 | 152.0 | 155.0 | 199 | 2.0 | 12   | □      | 2   |
| MPS1-1120-L12C   |      | 12    | 224.0 | 136.4 | 175.0 | 178.0 | 222 | 2.0 | 12   | □      | 2   |
| MPS1-1120-L15C   |      | 15    | 258.0 | 170.0 | 209.0 | 212.0 | 256 | 2.0 | 12   | ●      | 2   |
| MPS1-1120-L20C   |      | 20    | 316.0 | 226.0 | 267.0 | 270.0 | 314 | 2.0 | 12   | □      | 2   |
| MPS1-1120-L25C   |      | 25    | 373.0 | 282.0 | 324.0 | 327.0 | 371 | 2.0 | 12   | □      | 2   |
| MPS1-1130S-DIN   |      | 3     | 102.1 | 38.1  | 55.1  | 56.1  | 100 | 2.1 | 12   | □      | 4   |
| MPS1-1130S-DIN-C |      | 3     | 102.1 | 38.1  | 55.1  | 56.1  | 100 | 2.1 | 12   | ●      | 2   |
| MPS1-1130L-DIN   |      | 5     | 118.1 | 54.1  | 71.1  | 72.1  | 116 | 2.1 | 12   | □      | 4   |
| MPS1-1130L-DIN-C |      | 5     | 118.1 | 54.1  | 71.1  | 72.1  | 116 | 2.1 | 12   | ●      | 2   |
| MPS1-1130-PC     |      | 2     | 96.8  | 24.4  | 48.8  | 51.8  | 95  | 1.8 | 12   | □      | 2   |
| MPS1-1130-L8C    | 11.3 | 8     | 178.3 | 92.7  | 129.3 | 132.3 | 176 | 2.3 | 12   | ●      | 2   |
| MPS1-1130-L10C   |      | 10    | 201.1 | 115.1 | 152.1 | 155.1 | 199 | 2.1 | 12   | □      | 2   |
| MPS1-1130-L12C   |      | 12    | 224.1 | 137.7 | 175.1 | 178.1 | 222 | 2.1 | 12   | □      | 2   |
| MPS1-1130-L15C   |      | 15    | 258.1 | 171.6 | 209.1 | 212.1 | 256 | 2.1 | 12   | □      | 2   |
| MPS1-1130-L20C   |      | 20    | 316.1 | 228.1 | 267.1 | 270.1 | 314 | 2.1 | 12   | □      | 2   |
| MPS1-1130-L25C   |      | 25    | 373.1 | 284.6 | 324.1 | 327.1 | 371 | 2.1 | 12   | □      | 2   |
| MPS1-1140S-DIN   |      | 3     | 102.1 | 38.0  | 55.1  | 56.1  | 100 | 2.1 | 12   | □      | 4   |
| MPS1-1140S-DIN-C |      | 3     | 102.1 | 38.0  | 55.1  | 56.1  | 100 | 2.1 | 12   | ●      | 2   |
| MPS1-1140L-DIN   |      | 5     | 118.1 | 54.0  | 71.1  | 72.1  | 116 | 2.1 | 12   | □      | 4   |
| MPS1-1140L-DIN-C |      | 5     | 118.1 | 54.0  | 71.1  | 72.1  | 116 | 2.1 | 12   | ●      | 2   |
| MPS1-1140-PC     |      | 2     | 96.8  | 24.6  | 48.8  | 51.8  | 95  | 1.8 | 12   | □      | 2   |
| MPS1-1140-L8C    | 11.4 | 8     | 178.4 | 93.6  | 129.4 | 132.4 | 176 | 2.4 | 12   | ●      | 2   |
| MPS1-1140-L10C   |      | 10    | 201.1 | 116.1 | 152.1 | 155.1 | 199 | 2.1 | 12   | □      | 2   |
| MPS1-1140-L12C   |      | 12    | 224.1 | 138.9 | 175.1 | 178.1 | 222 | 2.1 | 12   | □      | 2   |
| MPS1-1140-L15C   |      | 15    | 258.1 | 173.1 | 209.1 | 212.1 | 256 | 2.1 | 12   | □      | 2   |
| MPS1-1140-L20C   |      | 20    | 316.1 | 230.1 | 267.1 | 270.1 | 314 | 2.1 | 12   | □      | 2   |
| MPS1-1140-L25C   |      | 25    | 373.1 | 287.1 | 324.1 | 327.1 | 371 | 2.1 | 12   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1150S-DIN   |      | 3     | 102.1 | 37.8  | 55.1  | 56.1  | 100 | 2.1 | 12   | □      | 4   |
| MPS1-1150S-DIN-C |      | 3     | 102.1 | 37.8  | 55.1  | 56.1  | 100 | 2.1 | 12   | ●      | 2   |
| MPS1-1150L-DIN   |      | 5     | 118.1 | 53.8  | 71.1  | 72.1  | 116 | 2.1 | 12   | □      | 4   |
| MPS1-1150L-DIN-C |      | 5     | 118.1 | 53.8  | 71.1  | 72.1  | 116 | 2.1 | 12   | ●      | 2   |
| MPS1-1150-PC     |      | 2     | 96.8  | 24.8  | 48.8  | 51.8  | 95  | 1.8 | 12   | ●      | 2   |
| MPS1-1150-L8C    | 11.5 | 8     | 178.4 | 94.4  | 129.4 | 132.4 | 176 | 2.4 | 12   | ●      | 2   |
| MPS1-1150-L10C   |      | 10    | 201.1 | 117.1 | 152.1 | 155.1 | 199 | 2.1 | 12   | □      | 2   |
| MPS1-1150-L12C   |      | 12    | 224.1 | 140.1 | 175.1 | 178.1 | 222 | 2.1 | 12   | ●      | 2   |
| MPS1-1150-L15C   |      | 15    | 258.1 | 174.6 | 209.1 | 212.1 | 256 | 2.1 | 12   | ●      | 2   |
| MPS1-1150-L20C   |      | 20    | 316.1 | 232.1 | 267.1 | 270.1 | 314 | 2.1 | 12   | ●      | 2   |
| MPS1-1150-L25C   |      | 25    | 373.1 | 289.6 | 324.1 | 327.1 | 371 | 2.1 | 12   | ●      | 2   |
| MPS1-1160S-DIN   |      | 3     | 102.1 | 37.7  | 55.1  | 56.1  | 100 | 2.1 | 12   | □      | 4   |
| MPS1-1160S-DIN-C |      | 3     | 102.1 | 37.7  | 55.1  | 56.1  | 100 | 2.1 | 12   | ●      | 2   |
| MPS1-1160L-DIN   |      | 5     | 118.1 | 53.7  | 71.1  | 72.1  | 116 | 2.1 | 12   | □      | 4   |
| MPS1-1160L-DIN-C |      | 5     | 118.1 | 53.7  | 71.1  | 72.1  | 116 | 2.1 | 12   | ●      | 2   |
| MPS1-1160-PC     |      | 2     | 96.8  | 25.0  | 48.8  | 48.8  | 95  | 1.8 | 12   | □      | 2   |
| MPS1-1160-L8C    | 11.6 | 8     | 183.4 | 95.2  | 134.4 | 137.4 | 181 | 2.4 | 12   | ●      | 2   |
| MPS1-1160-L10C   |      | 10    | 207.1 | 118.1 | 158.1 | 161.1 | 205 | 2.1 | 12   | □      | 2   |
| MPS1-1160-L12C   |      | 12    | 231.1 | 141.3 | 182.1 | 185.1 | 229 | 2.1 | 12   | □      | 2   |
| MPS1-1160-L15C   |      | 15    | 267.1 | 176.1 | 218.1 | 221.1 | 265 | 2.1 | 12   | □      | 2   |
| MPS1-1160-L20C   |      | 20    | 327.1 | 234.1 | 278.1 | 281.1 | 325 | 2.1 | 12   | □      | 2   |
| MPS1-1160-L25C   |      | 25    | 387.1 | 292.1 | 338.1 | 341.1 | 385 | 2.1 | 12   | □      | 2   |
| MPS1-1170S-DIN   |      | 3     | 102.1 | 37.6  | 55.1  | 56.1  | 100 | 2.1 | 12   | □      | 4   |
| MPS1-1170S-DIN-C |      | 3     | 102.1 | 37.6  | 55.1  | 56.1  | 100 | 2.1 | 12   | ●      | 2   |
| MPS1-1170L-DIN   |      | 5     | 118.1 | 53.6  | 71.1  | 72.1  | 116 | 2.1 | 12   | □      | 4   |
| MPS1-1170L-DIN-C |      | 5     | 118.1 | 53.6  | 71.1  | 72.1  | 116 | 2.1 | 12   | ●      | 2   |
| MPS1-1170-PC     |      | 2     | 96.8  | 25.2  | 48.8  | 48.8  | 95  | 1.8 | 12   | ●      | 2   |
| MPS1-1170-L8C    | 11.7 | 8     | 183.4 | 96.0  | 134.4 | 137.4 | 181 | 2.4 | 12   | ●      | 2   |
| MPS1-1170-L10C   |      | 10    | 207.1 | 119.1 | 158.1 | 161.1 | 205 | 2.1 | 12   | □      | 2   |
| MPS1-1170-L12C   |      | 12    | 231.1 | 142.5 | 182.1 | 185.1 | 229 | 2.1 | 12   | ●      | 2   |
| MPS1-1170-L15C   |      | 15    | 267.1 | 177.6 | 218.1 | 221.1 | 265 | 2.1 | 12   | ●      | 2   |
| MPS1-1170-L20C   |      | 20    | 327.1 | 236.1 | 278.1 | 281.1 | 325 | 2.1 | 12   | □      | 2   |
| MPS1-1170-L25C   |      | 25    | 387.1 | 294.6 | 338.1 | 341.1 | 385 | 2.1 | 12   | □      | 2   |
| MPS1-1180S-DIN   |      | 3     | 102.1 | 37.4  | 55.1  | 56.1  | 100 | 2.1 | 12   | □      | 4   |
| MPS1-1180S-DIN-C |      | 3     | 102.1 | 37.4  | 55.1  | 56.1  | 100 | 2.1 | 12   | ●      | 2   |
| MPS1-1180L-DIN   |      | 5     | 118.1 | 53.4  | 71.1  | 72.1  | 116 | 2.1 | 12   | □      | 4   |
| MPS1-1180L-DIN-C |      | 5     | 118.1 | 53.4  | 71.1  | 72.1  | 116 | 2.1 | 12   | ●      | 2   |
| MPS1-1180-PC     |      | 2     | 96.9  | 25.5  | 48.9  | 48.9  | 95  | 1.9 | 12   | ●      | 2   |
| MPS1-1180-L8C    | 11.8 | 8     | 183.4 | 96.8  | 134.4 | 137.4 | 181 | 2.4 | 12   | ●      | 2   |
| MPS1-1180-L10C   |      | 10    | 207.1 | 120.1 | 158.1 | 161.1 | 205 | 2.1 | 12   | □      | 2   |
| MPS1-1180-L12C   |      | 12    | 231.1 | 143.7 | 182.1 | 185.1 | 229 | 2.1 | 12   | ●      | 2   |
| MPS1-1180-L15C   |      | 15    | 267.1 | 179.1 | 218.1 | 221.1 | 265 | 2.1 | 12   | ●      | 2   |
| MPS1-1180-L20C   |      | 20    | 327.1 | 238.1 | 278.1 | 281.1 | 325 | 2.1 | 12   | □      | 2   |
| MPS1-1180-L25C   |      | 25    | 387.1 | 297.1 | 338.1 | 341.1 | 385 | 2.1 | 12   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC    | (l/d) | OAL   | LU    | LCF   | LH    | LF   | PL  | DCON | DP1021 | Typ |   |
|------------------|-------|-------|-------|-------|-------|-------|------|-----|------|--------|-----|---|
| MPS1-1190S-DIN   | 11.9  | 3     | 102.2 | 37.3  | 55.2  | 56.2  | 100  | 2.2 | 12   | □      | 4   |   |
| MPS1-1190S-DIN-C |       | 3     | 102.2 | 37.3  | 55.2  | 56.2  | 100  | 2.2 | 12   | ●      | 2   |   |
| MPS1-1190L-DIN   |       | 5     | 118.2 | 53.3  | 71.2  | 72.2  | 116  | 2.2 | 12   | □      | 4   |   |
| MPS1-1190L-DIN-C |       | 5     | 118.2 | 53.3  | 71.2  | 72.2  | 116  | 2.2 | 12   | ●      | 2   |   |
| MPS1-1190-PC     |       | 2     | 96.9  | 25.7  | 48.9  | 48.9  | 95   | 1.9 | 12   | □      | 2   |   |
| MPS1-1190-L8C    |       | 8     | 183.5 | 97.7  | 134.5 | 137.5 | 181  | 2.5 | 12   | ●      | 2   |   |
| MPS1-1190-L10C   |       | 10    | 207.2 | 121.2 | 158.2 | 161.2 | 205  | 2.2 | 12   | □      | 2   |   |
| MPS1-1190-L12C   |       | 12    | 231.2 | 145.0 | 182.2 | 185.2 | 229  | 2.2 | 12   | □      | 2   |   |
| MPS1-1190-L15C   |       | 15    | 267.2 | 180.7 | 218.2 | 221.2 | 265  | 2.2 | 12   | □      | 2   |   |
| MPS1-1190-L20C   |       | 20    | 327.2 | 240.2 | 278.2 | 281.2 | 325  | 2.2 | 12   | □      | 2   |   |
| MPS1-1190-L25C   |       | 25    | 387.2 | 299.7 | 338.2 | 341.2 | 385  | 2.2 | 12   | □      | 2   |   |
| MPS1-1200S-DIN   |       | 12.0  | 3     | 102.2 | 37.2  | 55.2  | 56.2 | 100 | 2.2  | 12     | □   | 4 |
| MPS1-1200S-DIN-C | 3     |       | 102.2 | 37.2  | 55.2  | 56.2  | 100  | 2.2 | 12   | ●      | 2   |   |
| MPS1-1200L-DIN   | 5     |       | 118.2 | 53.2  | 71.2  | 72.2  | 116  | 2.2 | 12   | □      | 4   |   |
| MPS1-1200L-DIN-C | 5     |       | 118.2 | 53.2  | 71.2  | 72.2  | 116  | 2.2 | 12   | ●      | 2   |   |
| MPS1-1200-PC     | 2     |       | 96.9  | 25.9  | 48.9  | 48.9  | 95   | 1.9 | 12   | ●      | 2   |   |
| MPS1-1200-L8C    | 8     |       | 183.5 | 98.5  | 134.5 | 137.5 | 181  | 2.5 | 12   | ●      | 2   |   |
| MPS1-1200-L10C   | 10    |       | 207.2 | 122.2 | 158.2 | 161.2 | 205  | 2.2 | 12   | □      | 2   |   |
| MPS1-1200-L12C   | 12    |       | 231.2 | 146.2 | 182.2 | 185.2 | 229  | 2.2 | 12   | ●      | 2   |   |
| MPS1-1200-L15C   | 15    |       | 267.2 | 182.2 | 218.2 | 221.2 | 265  | 2.2 | 12   | ●      | 2   |   |
| MPS1-1200-L20C   | 20    |       | 327.2 | 242.2 | 278.2 | 281.2 | 325  | 2.2 | 12   | ●      | 2   |   |
| MPS1-1200-L25C   | 25    |       | 387.2 | 302.2 | 338.2 | 341.2 | 385  | 2.2 | 12   | ●      | 2   |   |
| MPS1-1205S-DIN   | 12.05 |       | 3     | 107.2 | 42.1  | 60.2  | 61.2 | 105 | 2.2  | 14     | □   | 4 |
| MPS1-1205S-DIN-C |       | 3     | 107.2 | 42.1  | 60.2  | 61.2  | 105  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1205L-DIN   |       | 5     | 124.2 | 59.1  | 77.2  | 78.2  | 122  | 2.2 | 14   | □      | 4   |   |
| MPS1-1205L-DIN-C |       | 5     | 124.2 | 59.1  | 77.2  | 78.2  | 122  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1210S-DIN   | 12.1  | 3     | 107.2 | 42.1  | 60.2  | 61.2  | 105  | 2.2 | 14   | □      | 4   |   |
| MPS1-1210S-DIN-C |       | 3     | 107.2 | 42.1  | 60.2  | 61.2  | 105  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1210L-DIN   |       | 5     | 124.2 | 59.1  | 77.2  | 78.2  | 122  | 2.2 | 14   | □      | 4   |   |
| MPS1-1210L-DIN-C |       | 5     | 124.2 | 59.1  | 77.2  | 78.2  | 122  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1210-PC     |       | 2     | 103.9 | 26.1  | 52.9  | 55.9  | 102  | 1.9 | 14   | ●      | 2   |   |
| MPS1-1210-L8C    |       | 8     | 189.5 | 99.3  | 140.5 | 143.5 | 187  | 2.5 | 14   | ●      | 2   |   |
| MPS1-1210-L10C   |       | 10    | 214.2 | 123.2 | 165.2 | 168.2 | 212  | 2.2 | 14   | □      | 2   |   |
| MPS1-1210-L12C   |       | 12    | 239.2 | 147.4 | 190.2 | 193.2 | 237  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1210-L15C   |       | 15    | 276.2 | 183.7 | 227.2 | 230.2 | 274  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1210-L20C   |       | 20    | 339.2 | 244.2 | 290.2 | 293.2 | 337  | 2.2 | 14   | □      | 2   |   |
| MPS1-1220S-DIN   |       | 12.2  | 3     | 107.2 | 41.9  | 60.2  | 61.2 | 105 | 2.2  | 14     | □   | 4 |
| MPS1-1220S-DIN-C |       |       | 3     | 107.2 | 41.9  | 60.2  | 61.2 | 105 | 2.2  | 14     | ●   | 2 |
| MPS1-1220L-DIN   | 5     |       | 124.2 | 58.9  | 77.2  | 78.2  | 122  | 2.2 | 14   | □      | 4   |   |
| MPS1-1220L-DIN-C | 5     |       | 124.2 | 58.9  | 77.2  | 78.2  | 122  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1220-PC     | 2     |       | 103.9 | 26.3  | 52.9  | 55.9  | 102  | 1.9 | 14   | ●      | 2   |   |
| MPS1-1220-L8C    | 8     |       | 189.5 | 100.1 | 140.5 | 143.5 | 187  | 2.5 | 14   | ●      | 2   |   |
| MPS1-1220-L10C   | 10    |       | 214.2 | 124.2 | 165.2 | 168.2 | 212  | 2.2 | 14   | □      | 2   |   |
| MPS1-1220-L12C   | 12    |       | 239.2 | 148.6 | 190.2 | 193.2 | 237  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1220-L15C   | 15    |       | 276.2 | 185.2 | 227.2 | 230.2 | 274  | 2.2 | 14   | ●      | 2   |   |
| MPS1-1220-L20C   | 20    |       | 339.2 | 246.2 | 290.2 | 293.2 | 337  | 2.2 | 14   | □      | 2   |   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1230S-DIN   | 12.3 | 3     | 107.2 | 41.8  | 60.2  | 61.2  | 105 | 2.2 | 14   | □      | 4   |
| MPS1-1230S-DIN-C |      | 3     | 107.2 | 41.8  | 60.2  | 61.2  | 105 | 2.2 | 14   | ●      | 2   |
| MPS1-1230L-DIN   |      | 5     | 124.2 | 58.8  | 77.2  | 78.2  | 122 | 2.2 | 14   | □      | 4   |
| MPS1-1230L-DIN-C |      | 5     | 124.2 | 58.8  | 77.2  | 78.2  | 122 | 2.2 | 14   | ●      | 2   |
| MPS1-1230-PC     |      | 2     | 103.9 | 26.5  | 52.9  | 55.9  | 102 | 1.9 | 14   | □      | 2   |
| MPS1-1230-L8C    |      | 8     | 189.5 | 100.9 | 140.5 | 143.5 | 187 | 2.5 | 14   | ●      | 2   |
| MPS1-1230-L10C   |      | 10    | 214.2 | 125.2 | 165.2 | 168.2 | 212 | 2.2 | 14   | □      | 2   |
| MPS1-1230-L12C   |      | 12    | 239.2 | 149.8 | 190.2 | 193.2 | 237 | 2.2 | 14   | □      | 2   |
| MPS1-1230-L15C   |      | 15    | 276.2 | 186.7 | 227.2 | 230.2 | 274 | 2.2 | 14   | □      | 2   |
| MPS1-1230-L20C   |      | 20    | 339.2 | 248.2 | 290.2 | 293.2 | 337 | 2.2 | 14   | □      | 2   |
| MPS1-1240S-DIN   | 12.4 | 3     | 107.3 | 41.7  | 60.3  | 61.3  | 105 | 2.3 | 14   | □      | 4   |
| MPS1-1240S-DIN-C |      | 3     | 107.3 | 41.7  | 60.3  | 61.3  | 105 | 2.3 | 14   | ●      | 2   |
| MPS1-1240L-DIN   |      | 5     | 124.3 | 58.7  | 77.3  | 78.3  | 122 | 2.3 | 14   | □      | 4   |
| MPS1-1240L-DIN-C |      | 5     | 124.3 | 58.7  | 77.3  | 78.3  | 122 | 2.3 | 14   | ●      | 2   |
| MPS1-1240-PC     |      | 2     | 104.0 | 26.8  | 53.0  | 56.0  | 102 | 2.0 | 14   | □      | 2   |
| MPS1-1240-L8C    |      | 8     | 189.6 | 101.8 | 140.6 | 143.6 | 187 | 2.6 | 14   | ●      | 2   |
| MPS1-1240-L10C   |      | 10    | 214.3 | 126.3 | 165.3 | 168.3 | 212 | 2.3 | 14   | □      | 2   |
| MPS1-1240-L12C   |      | 12    | 239.3 | 151.1 | 190.3 | 193.3 | 237 | 2.3 | 14   | □      | 2   |
| MPS1-1240-L15C   |      | 15    | 276.3 | 188.3 | 227.3 | 230.3 | 274 | 2.3 | 14   | □      | 2   |
| MPS1-1240-L20C   |      | 20    | 339.3 | 250.3 | 290.3 | 293.3 | 337 | 2.3 | 14   | □      | 2   |
| MPS1-1250S-DIN   | 12.5 | 3     | 107.3 | 41.5  | 60.3  | 61.3  | 105 | 2.3 | 14   | □      | 4   |
| MPS1-1250S-DIN-C |      | 3     | 107.3 | 41.5  | 60.3  | 61.3  | 105 | 2.3 | 14   | ●      | 2   |
| MPS1-1250L-DIN   |      | 5     | 124.3 | 58.5  | 77.3  | 78.3  | 122 | 2.3 | 14   | □      | 4   |
| MPS1-1250L-DIN-C |      | 5     | 124.3 | 58.5  | 77.3  | 78.3  | 122 | 2.3 | 14   | ●      | 2   |
| MPS1-1250-PC     |      | 2     | 104.0 | 27.0  | 53.0  | 56.0  | 102 | 2.0 | 14   | ●      | 2   |
| MPS1-1250-L8C    |      | 8     | 189.6 | 102.6 | 140.6 | 143.6 | 187 | 2.6 | 14   | ●      | 2   |
| MPS1-1250-L10C   |      | 10    | 214.3 | 127.3 | 165.3 | 168.3 | 212 | 2.3 | 14   | □      | 2   |
| MPS1-1250-L12C   |      | 12    | 239.3 | 152.3 | 190.3 | 193.3 | 237 | 2.3 | 14   | ●      | 2   |
| MPS1-1250-L15C   |      | 15    | 276.3 | 189.8 | 227.3 | 230.3 | 274 | 2.3 | 14   | ●      | 2   |
| MPS1-1250-L20C   |      | 20    | 339.3 | 252.3 | 290.3 | 293.3 | 337 | 2.3 | 14   | □      | 2   |
| MPS1-1260S-DIN   | 12.6 | 3     | 107.3 | 41.4  | 60.3  | 61.3  | 105 | 2.3 | 14   | □      | 4   |
| MPS1-1260S-DIN-C |      | 3     | 107.3 | 41.4  | 60.3  | 61.3  | 105 | 2.3 | 14   | ●      | 2   |
| MPS1-1260L-DIN   |      | 5     | 124.3 | 58.4  | 77.3  | 78.3  | 122 | 2.3 | 14   | □      | 4   |
| MPS1-1260L-DIN-C |      | 5     | 124.3 | 58.4  | 77.3  | 78.3  | 122 | 2.3 | 14   | ●      | 2   |
| MPS1-1260-PC     |      | 2     | 104.0 | 27.2  | 53.0  | 55.0  | 102 | 2.0 | 14   | □      | 2   |
| MPS1-1260-L8C    |      | 8     | 194.6 | 103.4 | 145.6 | 148.6 | 192 | 2.6 | 14   | ●      | 2   |
| MPS1-1260-L10C   |      | 10    | 220.3 | 128.3 | 171.3 | 174.3 | 218 | 2.3 | 14   | □      | 2   |
| MPS1-1260-L12C   |      | 12    | 246.3 | 153.5 | 197.3 | 200.3 | 244 | 2.3 | 14   | □      | 2   |
| MPS1-1260-L15C   |      | 15    | 285.3 | 191.3 | 236.3 | 239.3 | 283 | 2.3 | 14   | □      | 2   |
| MPS1-1260-L20C   |      | 20    | 350.3 | 254.3 | 301.3 | 304.3 | 348 | 2.3 | 14   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1270S-DIN   | 12.7 | 3     | 107.3 | 41.3  | 60.3  | 61.3  | 105 | 2.3 | 14   | □      | 4   |
| MPS1-1270S-DIN-C |      | 3     | 107.3 | 41.3  | 60.3  | 61.3  | 105 | 2.3 | 14   | ●      | 2   |
| MPS1-1270L-DIN   |      | 5     | 124.3 | 58.3  | 77.3  | 78.3  | 122 | 2.3 | 14   | □      | 4   |
| MPS1-1270L-DIN-C |      | 5     | 124.3 | 58.3  | 77.3  | 78.3  | 122 | 2.3 | 14   | ●      | 2   |
| MPS1-1270-PC     |      | 2     | 104.0 | 27.4  | 53.0  | 55.0  | 102 | 2.0 | 14   | ●      | 2   |
| MPS1-1270-L8C    |      | 8     | 194.6 | 104.2 | 145.6 | 148.6 | 192 | 2.6 | 14   | ●      | 2   |
| MPS1-1270-L10C   |      | 10    | 220.3 | 129.3 | 171.3 | 174.3 | 218 | 2.3 | 14   | □      | 2   |
| MPS1-1270-L12C   |      | 12    | 246.3 | 154.7 | 197.3 | 200.3 | 244 | 2.3 | 14   | ●      | 2   |
| MPS1-1270-L15C   |      | 15    | 285.3 | 192.8 | 236.3 | 239.3 | 283 | 2.3 | 14   | □      | 2   |
| MPS1-1270-L20C   |      | 20    | 350.3 | 256.3 | 301.3 | 304.3 | 348 | 2.3 | 14   | □      | 2   |
| MPS1-1280S-DIN   | 12.8 | 3     | 107.3 | 41.1  | 60.3  | 61.3  | 105 | 2.3 | 14   | □      | 4   |
| MPS1-1280S-DIN-C |      | 3     | 107.3 | 41.1  | 60.3  | 61.3  | 105 | 2.3 | 14   | ●      | 2   |
| MPS1-1280L-DIN   |      | 5     | 124.3 | 58.1  | 77.3  | 78.3  | 122 | 2.3 | 14   | □      | 4   |
| MPS1-1280L-DIN-C |      | 5     | 124.3 | 58.1  | 77.3  | 78.3  | 122 | 2.3 | 14   | ●      | 2   |
| MPS1-1280-PC     |      | 2     | 104.0 | 27.6  | 53.0  | 55.0  | 102 | 2.0 | 14   | ●      | 2   |
| MPS1-1280-L8C    |      | 8     | 194.7 | 105.1 | 145.7 | 148.7 | 192 | 2.7 | 14   | ●      | 2   |
| MPS1-1280-L10C   |      | 10    | 220.3 | 130.3 | 171.3 | 174.3 | 218 | 2.3 | 14   | □      | 2   |
| MPS1-1280-L12C   |      | 12    | 246.3 | 155.9 | 197.3 | 200.3 | 244 | 2.3 | 14   | ●      | 2   |
| MPS1-1280-L15C   |      | 15    | 285.3 | 194.3 | 236.3 | 239.3 | 283 | 2.3 | 14   | □      | 2   |
| MPS1-1280-L20C   |      | 20    | 350.3 | 258.3 | 301.3 | 304.3 | 348 | 2.3 | 14   | □      | 2   |
| MPS1-1290S-DIN   | 12.9 | 3     | 107.3 | 41.0  | 60.3  | 61.3  | 105 | 2.3 | 14   | □      | 4   |
| MPS1-1290S-DIN-C |      | 3     | 107.3 | 41.0  | 60.3  | 61.3  | 105 | 2.3 | 14   | ●      | 2   |
| MPS1-1290L-DIN   |      | 5     | 124.3 | 58.0  | 77.3  | 78.3  | 122 | 2.3 | 14   | □      | 4   |
| MPS1-1290L-DIN-C |      | 5     | 124.3 | 58.0  | 77.3  | 78.3  | 122 | 2.3 | 14   | ●      | 2   |
| MPS1-1290-PC     |      | 2     | 104.0 | 27.8  | 53.0  | 55.0  | 102 | 2.0 | 14   | □      | 2   |
| MPS1-1290-L8C    |      | 8     | 194.7 | 105.9 | 145.7 | 148.7 | 192 | 2.7 | 14   | ●      | 2   |
| MPS1-1290-L10C   |      | 10    | 220.3 | 131.3 | 171.3 | 174.3 | 218 | 2.3 | 14   | □      | 2   |
| MPS1-1290-L12C   |      | 12    | 246.3 | 157.1 | 197.3 | 200.3 | 244 | 2.3 | 14   | □      | 2   |
| MPS1-1290-L15C   |      | 15    | 285.3 | 195.8 | 236.3 | 239.3 | 283 | 2.3 | 14   | □      | 2   |
| MPS1-1290-L20C   |      | 20    | 350.3 | 260.3 | 301.3 | 304.3 | 348 | 2.3 | 14   | □      | 2   |
| MPS1-1300S-DIN   | 13.0 | 3     | 107.4 | 40.9  | 60.4  | 61.4  | 105 | 2.4 | 14   | □      | 4   |
| MPS1-1300S-DIN-C |      | 3     | 107.4 | 40.9  | 60.4  | 61.4  | 105 | 2.4 | 14   | ●      | 2   |
| MPS1-1300L-DIN   |      | 5     | 124.4 | 57.9  | 77.4  | 78.4  | 122 | 2.4 | 14   | □      | 4   |
| MPS1-1300L-DIN-C |      | 5     | 124.4 | 57.9  | 77.4  | 78.4  | 122 | 2.4 | 14   | ●      | 2   |
| MPS1-1300-PC     |      | 2     | 104.0 | 28.0  | 53.0  | 55.0  | 102 | 2.0 | 14   | ●      | 2   |
| MPS1-1300-L8C    |      | 8     | 194.7 | 106.7 | 145.7 | 148.7 | 192 | 2.7 | 14   | ●      | 2   |
| MPS1-1300-L10C   |      | 10    | 220.4 | 132.4 | 171.4 | 174.4 | 218 | 2.4 | 14   | □      | 2   |
| MPS1-1300-L12C   |      | 12    | 246.4 | 158.4 | 197.4 | 200.4 | 244 | 2.4 | 14   | ●      | 2   |
| MPS1-1300-L15C   |      | 15    | 285.4 | 197.4 | 236.4 | 239.4 | 283 | 2.4 | 14   | ●      | 2   |
| MPS1-1300-L20C   |      | 20    | 350.4 | 262.4 | 301.4 | 304.4 | 348 | 2.4 | 14   | ●      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1310S-DIN   | 13.1 | 3     | 107.4 | 40.7  | 60.4  | 61.4  | 105 | 2.4 | 14   | □      | 4   |
| MPS1-1310S-DIN-C |      | 3     | 107.4 | 40.7  | 60.4  | 61.4  | 105 | 2.4 | 14   | ●      | 2   |
| MPS1-1310L-DIN   |      | 5     | 124.4 | 57.7  | 77.4  | 78.4  | 122 | 2.4 | 14   | □      | 4   |
| MPS1-1310L-DIN-C |      | 5     | 124.4 | 57.7  | 77.4  | 78.4  | 122 | 2.4 | 14   | ●      | 2   |
| MPS1-1310-PC     |      | 2     | 109.1 | 28.3  | 56.1  | 59.1  | 107 | 2.1 | 14   | □      | 2   |
| MPS1-1310-L8C    |      | 8     | 200.7 | 107.5 | 151.7 | 154.7 | 198 | 2.7 | 14   | ●      | 2   |
| MPS1-1310-L10C   |      | 10    | 227.4 | 133.4 | 178.4 | 181.4 | 225 | 2.4 | 14   | □      | 2   |
| MPS1-1310-L12C   |      | 12    | 254.4 | 159.6 | 205.4 | 208.4 | 252 | 2.4 | 14   | □      | 2   |
| MPS1-1310-L15C   |      | 15    | 294.4 | 198.9 | 245.4 | 248.4 | 292 | 2.4 | 14   | □      | 2   |
| MPS1-1310-L20C   |      | 20    | 362.4 | 264.4 | 313.4 | 316.4 | 360 | 2.4 | 14   | □      | 2   |
| MPS1-1320S-DIN   | 13.2 | 3     | 107.4 | 40.6  | 60.4  | 61.4  | 105 | 2.4 | 14   | □      | 4   |
| MPS1-1320S-DIN-C |      | 3     | 107.4 | 40.6  | 60.4  | 61.4  | 105 | 2.4 | 14   | ●      | 2   |
| MPS1-1320L-DIN   |      | 5     | 124.4 | 57.6  | 77.4  | 78.4  | 122 | 2.4 | 14   | □      | 4   |
| MPS1-1320L-DIN-C |      | 5     | 124.4 | 57.6  | 77.4  | 78.4  | 122 | 2.4 | 14   | ●      | 2   |
| MPS1-1320-PC     |      | 2     | 109.1 | 28.5  | 56.1  | 59.1  | 107 | 2.1 | 14   | ●      | 2   |
| MPS1-1320-L8C    |      | 8     | 200.7 | 108.3 | 151.7 | 154.7 | 198 | 2.7 | 14   | ●      | 2   |
| MPS1-1320-L10C   |      | 10    | 227.4 | 134.4 | 178.4 | 181.4 | 225 | 2.4 | 14   | □      | 2   |
| MPS1-1320-L12C   |      | 12    | 254.4 | 160.8 | 205.4 | 208.4 | 252 | 2.4 | 14   | ●      | 2   |
| MPS1-1320-L15C   |      | 15    | 294.4 | 200.4 | 245.4 | 248.4 | 292 | 2.4 | 14   | □      | 2   |
| MPS1-1320-L20C   |      | 20    | 362.4 | 266.4 | 313.4 | 316.4 | 360 | 2.4 | 14   | □      | 2   |
| MPS1-1330S-DIN   | 13.3 | 3     | 107.4 | 40.5  | 60.4  | 61.4  | 105 | 2.4 | 14   | □      | 4   |
| MPS1-1330S-DIN-C |      | 3     | 107.4 | 40.5  | 60.4  | 61.4  | 105 | 2.4 | 14   | ●      | 2   |
| MPS1-1330L-DIN   |      | 5     | 124.4 | 57.5  | 77.4  | 78.4  | 122 | 2.4 | 14   | □      | 4   |
| MPS1-1330L-DIN-C |      | 5     | 124.4 | 57.5  | 77.4  | 78.4  | 122 | 2.4 | 14   | ●      | 2   |
| MPS1-1330-PC     |      | 2     | 109.1 | 28.7  | 56.1  | 59.1  | 107 | 2.1 | 14   | □      | 2   |
| MPS1-1330-L8C    |      | 8     | 200.8 | 109.2 | 151.8 | 154.8 | 198 | 2.8 | 14   | ●      | 2   |
| MPS1-1330-L10C   |      | 10    | 227.4 | 135.4 | 178.4 | 181.4 | 225 | 2.4 | 14   | □      | 2   |
| MPS1-1330-L12C   |      | 12    | 254.4 | 162.0 | 205.4 | 208.4 | 252 | 2.4 | 14   | □      | 2   |
| MPS1-1330-L15C   |      | 15    | 294.4 | 201.9 | 245.4 | 248.4 | 292 | 2.4 | 14   | □      | 2   |
| MPS1-1330-L20C   |      | 20    | 362.4 | 268.4 | 313.4 | 316.4 | 360 | 2.4 | 14   | □      | 2   |
| MPS1-1340S-DIN   | 13.4 | 3     | 107.4 | 40.3  | 60.4  | 61.4  | 105 | 2.4 | 14   | □      | 4   |
| MPS1-1340S-DIN-C |      | 3     | 107.4 | 40.3  | 60.4  | 61.4  | 105 | 2.4 | 14   | ●      | 2   |
| MPS1-1340L-DIN   |      | 5     | 124.4 | 57.3  | 77.4  | 78.4  | 122 | 2.4 | 14   | □      | 4   |
| MPS1-1340L-DIN-C |      | 5     | 124.4 | 57.3  | 77.4  | 78.4  | 122 | 2.4 | 14   | ●      | 2   |
| MPS1-1340-PC     |      | 2     | 109.1 | 28.9  | 56.1  | 59.1  | 107 | 2.1 | 14   | □      | 2   |
| MPS1-1340-L8C    |      | 8     | 200.8 | 110.0 | 151.8 | 154.8 | 198 | 2.8 | 14   | ●      | 2   |
| MPS1-1340-L10C   |      | 10    | 227.4 | 136.4 | 178.4 | 181.4 | 225 | 2.4 | 14   | □      | 2   |
| MPS1-1340-L12C   |      | 12    | 254.4 | 163.2 | 205.4 | 208.4 | 252 | 2.4 | 14   | □      | 2   |
| MPS1-1340-L15C   |      | 15    | 294.4 | 203.4 | 245.4 | 248.4 | 292 | 2.4 | 14   | □      | 2   |
| MPS1-1340-L20C   |      | 20    | 362.4 | 270.4 | 313.4 | 316.4 | 360 | 2.4 | 14   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1350S-DIN   | 13.5 | 3     | 107.5 | 40.2  | 60.5  | 61.5  | 105 | 2.5 | 14   | □      | 4   |
| MPS1-1350S-DIN-C |      | 3     | 107.5 | 40.2  | 60.5  | 61.5  | 105 | 2.5 | 14   | ●      | 2   |
| MPS1-1350L-DIN   |      | 5     | 124.5 | 57.2  | 77.5  | 78.5  | 122 | 2.5 | 14   | □      | 4   |
| MPS1-1350L-DIN-C |      | 5     | 124.5 | 57.2  | 77.5  | 78.5  | 122 | 2.5 | 14   | ●      | 2   |
| MPS1-1350-PC     |      | 2     | 109.1 | 29.1  | 56.1  | 59.1  | 107 | 2.1 | 14   | ●      | 2   |
| MPS1-1350-L8C    |      | 8     | 200.8 | 110.8 | 151.8 | 154.8 | 198 | 2.8 | 14   | ●      | 2   |
| MPS1-1350-L10C   |      | 10    | 227.5 | 137.5 | 178.5 | 181.5 | 225 | 2.5 | 14   | □      | 2   |
| MPS1-1350-L12C   |      | 12    | 254.5 | 164.5 | 205.5 | 208.5 | 252 | 2.5 | 14   | ●      | 2   |
| MPS1-1350-L15C   |      | 15    | 294.5 | 205.0 | 245.5 | 248.5 | 292 | 2.5 | 14   | □      | 2   |
| MPS1-1350-L20C   |      | 20    | 362.5 | 272.5 | 313.5 | 316.5 | 360 | 2.5 | 14   | □      | 2   |
| MPS1-1360S-DIN   | 13.6 | 3     | 107.5 | 40.1  | 60.5  | 61.5  | 105 | 2.5 | 14   | □      | 4   |
| MPS1-1360S-DIN-C |      | 3     | 107.5 | 40.1  | 60.5  | 61.5  | 105 | 2.5 | 14   | ●      | 2   |
| MPS1-1360L-DIN   |      | 5     | 124.5 | 57.1  | 77.5  | 78.5  | 122 | 2.5 | 14   | □      | 4   |
| MPS1-1360L-DIN-C |      | 5     | 124.5 | 57.1  | 77.5  | 78.5  | 122 | 2.5 | 14   | ●      | 2   |
| MPS1-1360-PC     |      | 2     | 109.1 | 29.3  | 56.1  | 56.1  | 107 | 2.1 | 14   | □      | 2   |
| MPS1-1360-L8C    |      | 8     | 205.8 | 111.6 | 156.8 | 159.8 | 203 | 2.8 | 14   | ●      | 2   |
| MPS1-1360-L10C   |      | 10    | 233.5 | 138.5 | 184.5 | 187.5 | 231 | 2.5 | 14   | □      | 2   |
| MPS1-1360-L12C   |      | 12    | 261.5 | 165.7 | 212.5 | 215.5 | 259 | 2.5 | 14   | □      | 2   |
| MPS1-1360-L15C   |      | 15    | 303.5 | 206.5 | 254.5 | 257.5 | 301 | 2.5 | 14   | □      | 2   |
| MPS1-1360-L20C   |      | 20    | 373.5 | 274.5 | 324.5 | 327.5 | 371 | 2.5 | 14   | □      | 2   |
| MPS1-1370S-DIN   | 13.7 | 3     | 107.5 | 39.9  | 60.5  | 61.5  | 105 | 2.5 | 14   | □      | 4   |
| MPS1-1370S-DIN-C |      | 3     | 107.5 | 39.9  | 60.5  | 61.5  | 105 | 2.5 | 14   | ●      | 2   |
| MPS1-1370L-DIN   |      | 5     | 124.5 | 56.9  | 77.5  | 78.5  | 122 | 2.5 | 14   | □      | 4   |
| MPS1-1370L-DIN-C |      | 5     | 124.5 | 56.9  | 77.5  | 78.5  | 122 | 2.5 | 14   | ●      | 2   |
| MPS1-1370-PC     |      | 2     | 109.2 | 29.6  | 56.2  | 56.2  | 107 | 2.2 | 14   | □      | 2   |
| MPS1-1370-L8C    |      | 8     | 205.8 | 112.4 | 156.8 | 159.8 | 203 | 2.8 | 14   | ●      | 2   |
| MPS1-1370-L10C   |      | 10    | 233.5 | 139.5 | 184.5 | 187.5 | 231 | 2.5 | 14   | □      | 2   |
| MPS1-1370-L12C   |      | 12    | 261.5 | 166.9 | 212.5 | 215.5 | 259 | 2.5 | 14   | □      | 2   |
| MPS1-1370-L15C   |      | 15    | 303.5 | 208.0 | 254.5 | 257.5 | 301 | 2.5 | 14   | □      | 2   |
| MPS1-1370-L20C   |      | 20    | 373.5 | 276.5 | 324.5 | 327.5 | 371 | 2.5 | 14   | □      | 2   |
| MPS1-1380S-DIN   | 13.8 | 3     | 107.5 | 39.8  | 60.5  | 61.5  | 105 | 2.5 | 14   | □      | 4   |
| MPS1-1380S-DIN-C |      | 3     | 107.5 | 39.8  | 60.5  | 61.5  | 105 | 2.5 | 14   | ●      | 2   |
| MPS1-1380L-DIN   |      | 5     | 124.5 | 56.8  | 77.5  | 78.5  | 122 | 2.5 | 14   | □      | 4   |
| MPS1-1380L-DIN-C |      | 5     | 124.5 | 56.8  | 77.5  | 78.5  | 122 | 2.5 | 14   | ●      | 2   |
| MPS1-1380-PC     |      | 2     | 109.2 | 29.8  | 56.2  | 56.2  | 107 | 2.2 | 14   | □      | 2   |
| MPS1-1380-L8C    |      | 8     | 205.9 | 113.3 | 156.9 | 159.9 | 203 | 2.9 | 14   | ●      | 2   |
| MPS1-1380-L10C   |      | 10    | 233.5 | 140.5 | 184.5 | 187.5 | 231 | 2.5 | 14   | □      | 2   |
| MPS1-1380-L12C   |      | 12    | 261.5 | 168.1 | 212.5 | 215.5 | 259 | 2.5 | 14   | □      | 2   |
| MPS1-1380-L15C   |      | 15    | 303.5 | 209.5 | 254.5 | 257.5 | 301 | 2.5 | 14   | □      | 2   |
| MPS1-1380-L20C   |      | 20    | 373.5 | 278.5 | 324.5 | 327.5 | 371 | 2.5 | 14   | □      | 2   |

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# MPS1

## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU    | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|-------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1390S-DIN   | 13.9 | 3     | 107.5 | 39.7  | 60.5  | 61.5  | 105 | 2.5 | 14   | □      | 4   |
| MPS1-1390S-DIN-C |      | 3     | 107.5 | 39.7  | 60.5  | 61.5  | 105 | 2.5 | 14   | ●      | 2   |
| MPS1-1390L-DIN   |      | 5     | 124.5 | 56.7  | 77.5  | 78.5  | 122 | 2.5 | 14   | □      | 4   |
| MPS1-1390L-DIN-C |      | 5     | 124.5 | 56.7  | 77.5  | 78.5  | 122 | 2.5 | 14   | ●      | 2   |
| MPS1-1390-PC     |      | 2     | 109.2 | 30.0  | 56.2  | 56.2  | 107 | 2.2 | 14   | □      | 2   |
| MPS1-1390-L8C    |      | 8     | 205.9 | 114.1 | 156.9 | 159.9 | 203 | 2.9 | 14   | ●      | 2   |
| MPS1-1390-L10C   |      | 10    | 233.5 | 141.5 | 184.5 | 187.5 | 231 | 2.5 | 14   | □      | 2   |
| MPS1-1390-L12C   |      | 12    | 261.5 | 169.3 | 212.5 | 215.5 | 259 | 2.5 | 14   | □      | 2   |
| MPS1-1390-L15C   |      | 15    | 303.5 | 211.0 | 254.5 | 257.5 | 301 | 2.5 | 14   | □      | 2   |
| MPS1-1390-L20C   |      | 20    | 373.5 | 280.5 | 324.5 | 327.5 | 371 | 2.5 | 14   | □      | 2   |
| MPS1-1400S-DIN   | 14.0 | 3     | 107.5 | 39.5  | 60.5  | 61.5  | 105 | 2.5 | 14   | □      | 4   |
| MPS1-1400S-DIN-C |      | 3     | 107.5 | 39.5  | 60.5  | 61.5  | 105 | 2.5 | 14   | ●      | 2   |
| MPS1-1400L-DIN   |      | 5     | 124.5 | 56.5  | 77.5  | 78.5  | 122 | 2.5 | 14   | □      | 4   |
| MPS1-1400L-DIN-C |      | 5     | 124.5 | 56.5  | 77.5  | 78.5  | 122 | 2.5 | 14   | ●      | 2   |
| MPS1-1400-PC     |      | 2     | 109.2 | 30.2  | 56.2  | 56.2  | 107 | 2.2 | 14   | ●      | 2   |
| MPS1-1400-L8C    |      | 8     | 205.9 | 114.9 | 156.9 | 159.9 | 203 | 2.9 | 14   | ●      | 2   |
| MPS1-1400-L10C   |      | 10    | 233.5 | 142.5 | 184.5 | 187.5 | 231 | 2.5 | 14   | □      | 2   |
| MPS1-1400-L12C   |      | 12    | 261.5 | 170.5 | 212.5 | 215.5 | 259 | 2.5 | 14   | ●      | 2   |
| MPS1-1400-L15C   |      | 15    | 303.5 | 212.5 | 254.5 | 257.5 | 301 | 2.5 | 14   | ●      | 2   |
| MPS1-1400-L20C   |      | 20    | 373.5 | 282.5 | 324.5 | 327.5 | 371 | 2.5 | 14   | ●      | 2   |
| MPS1-1420S-DIN   | 14.2 | 3     | 114.6 | 43.3  | 64.6  | 65.6  | 112 | 2.6 | 16   | □      | 4   |
| MPS1-1420S-DIN-C |      | 3     | 114.6 | 43.3  | 64.6  | 65.6  | 112 | 2.6 | 16   | ●      | 2   |
| MPS1-1420L-DIN   |      | 5     | 132.6 | 61.3  | 82.6  | 83.6  | 130 | 2.6 | 16   | □      | 4   |
| MPS1-1420L-DIN-C |      | 5     | 132.6 | 61.3  | 82.6  | 83.6  | 130 | 2.6 | 16   | ●      | 2   |
| MPS1-1450S-DIN   | 14.5 | 3     | 114.6 | 42.9  | 64.6  | 65.6  | 112 | 2.6 | 16   | □      | 4   |
| MPS1-1450S-DIN-C |      | 3     | 114.6 | 42.9  | 64.6  | 65.6  | 112 | 2.6 | 16   | ●      | 2   |
| MPS1-1450L-DIN   |      | 5     | 132.6 | 60.9  | 82.6  | 83.6  | 130 | 2.6 | 16   | □      | 4   |
| MPS1-1450L-DIN-C |      | 5     | 132.6 | 60.9  | 82.6  | 83.6  | 130 | 2.6 | 16   | ●      | 2   |
| MPS1-1500S-DIN   | 15.0 | 3     | 114.7 | 42.2  | 64.7  | 65.7  | 112 | 2.7 | 16   | □      | 4   |
| MPS1-1500S-DIN-C |      | 3     | 114.7 | 42.2  | 64.7  | 65.7  | 112 | 2.7 | 16   | ●      | 2   |
| MPS1-1500L-DIN   |      | 5     | 132.7 | 60.2  | 82.7  | 83.7  | 130 | 2.7 | 16   | □      | 4   |
| MPS1-1500L-DIN-C |      | 5     | 132.7 | 60.2  | 82.7  | 83.7  | 130 | 2.7 | 16   | ●      | 2   |
| MPS1-1550S-DIN   | 15.5 | 3     | 114.8 | 41.6  | 64.8  | 65.8  | 112 | 2.8 | 16   | □      | 4   |
| MPS1-1550S-DIN-C |      | 3     | 114.8 | 41.6  | 64.8  | 65.8  | 112 | 2.8 | 16   | ●      | 2   |
| MPS1-1550L-DIN   |      | 5     | 132.8 | 59.6  | 82.8  | 83.8  | 130 | 2.8 | 16   | □      | 4   |
| MPS1-1550L-DIN-C | 5    | 132.8 | 59.6  | 82.8  | 83.8  | 130   | 2.8 | 16  | ●    | 2      |     |
| MPS1-1600S-DIN   | 16.0 | 3     | 114.9 | 40.9  | 64.9  | 65.9  | 112 | 2.9 | 16   | □      | 4   |
| MPS1-1600S-DIN-C |      | 3     | 114.9 | 40.9  | 64.9  | 65.9  | 112 | 2.9 | 16   | ●      | 2   |
| MPS1-1600L-DIN   |      | 5     | 132.9 | 58.9  | 82.9  | 83.9  | 130 | 2.9 | 16   | □      | 4   |
| MPS1-1600L-DIN-C |      | 5     | 132.9 | 58.9  | 82.9  | 83.9  | 130 | 2.9 | 16   | ●      | 2   |
| MPS1-1650S-DIN   | 16.5 | 3     | 123.0 | 48.3  | 73.0  | 74.0  | 120 | 3.0 | 18   | □      | 4   |
| MPS1-1650S-DIN-C |      | 3     | 123.0 | 48.3  | 73.0  | 74.0  | 120 | 3.0 | 18   | ●      | 2   |
| MPS1-1650L-DIN   |      | 5     | 143.0 | 68.3  | 93.0  | 94.0  | 140 | 3.0 | 18   | □      | 4   |
| MPS1-1650L-DIN-C |      | 5     | 143.0 | 68.3  | 93.0  | 94.0  | 140 | 3.0 | 18   | ●      | 2   |
| MPS1-1700S-DIN   | 17.0 | 3     | 123.1 | 47.6  | 73.1  | 74.1  | 120 | 3.1 | 18   | □      | 4   |
| MPS1-1700S-DIN-C |      | 3     | 123.1 | 47.6  | 73.1  | 74.1  | 120 | 3.1 | 18   | ●      | 2   |
| MPS1-1700L-DIN   |      | 5     | 143.1 | 67.6  | 93.1  | 94.1  | 140 | 3.1 | 18   | □      | 4   |
| MPS1-1700L-DIN-C |      | 5     | 143.1 | 67.6  | 93.1  | 94.1  | 140 | 3.1 | 18   | ●      | 2   |

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## VOLLHARTMETALLBOHRER

| Bestellnummer    | DC   | (l/d) | OAL   | LU   | LCF   | LH    | LF  | PL  | DCON | DP1021 | Typ |
|------------------|------|-------|-------|------|-------|-------|-----|-----|------|--------|-----|
| MPS1-1750S-DIN   | 17.5 | 3     | 123.2 | 46.9 | 73.2  | 74.2  | 120 | 3.2 | 18   | □      | 4   |
| MPS1-1750S-DIN-C |      | 3     | 123.2 | 46.9 | 73.2  | 74.2  | 120 | 3.2 | 18   | ●      | 2   |
| MPS1-1750L-DIN   |      | 5     | 143.2 | 66.9 | 93.2  | 94.2  | 140 | 3.2 | 18   | □      | 4   |
| MPS1-1750L-DIN-C |      | 5     | 143.2 | 66.9 | 93.2  | 94.2  | 140 | 3.2 | 18   | ●      | 2   |
| MPS1-1800S-DIN   | 18.0 | 3     | 123.3 | 46.3 | 73.3  | 74.3  | 120 | 3.3 | 18   | □      | 4   |
| MPS1-1800S-DIN-C |      | 3     | 123.3 | 46.3 | 73.3  | 74.3  | 120 | 3.3 | 18   | ●      | 2   |
| MPS1-1800L-DIN   |      | 5     | 143.3 | 66.3 | 93.3  | 94.3  | 140 | 3.3 | 18   | □      | 4   |
| MPS1-1800L-DIN-C |      | 5     | 143.3 | 66.3 | 93.3  | 94.3  | 140 | 3.3 | 18   | ●      | 2   |
| MPS1-1850S-DIN   | 18.5 | 3     | 131.4 | 51.6 | 79.4  | 80.4  | 128 | 3.4 | 20   | □      | 4   |
| MPS1-1850S-DIN-C |      | 3     | 131.4 | 51.6 | 79.4  | 80.4  | 128 | 3.4 | 20   | ●      | 2   |
| MPS1-1850L-DIN   |      | 5     | 153.4 | 73.6 | 101.4 | 102.4 | 150 | 3.4 | 20   | □      | 4   |
| MPS1-1850L-DIN-C |      | 5     | 153.4 | 73.6 | 101.4 | 102.4 | 150 | 3.4 | 20   | ●      | 2   |
| MPS1-1900S-DIN   | 19.0 | 3     | 131.5 | 51.0 | 79.5  | 80.5  | 128 | 3.5 | 20   | □      | 4   |
| MPS1-1900S-DIN-C |      | 3     | 131.5 | 51.0 | 79.5  | 80.5  | 128 | 3.5 | 20   | ●      | 2   |
| MPS1-1900L-DIN   |      | 5     | 153.5 | 73.0 | 101.5 | 102.5 | 150 | 3.5 | 20   | □      | 4   |
| MPS1-1900L-DIN-C |      | 5     | 153.5 | 73.0 | 101.5 | 102.5 | 150 | 3.5 | 20   | ●      | 2   |
| MPS1-1950S-DIN   | 19.5 | 3     | 131.5 | 50.3 | 79.5  | 80.5  | 128 | 3.5 | 20   | □      | 4   |
| MPS1-1950S-DIN-C |      | 3     | 131.5 | 50.3 | 79.5  | 80.5  | 128 | 3.5 | 20   | ●      | 2   |
| MPS1-1950L-DIN   |      | 5     | 153.5 | 72.3 | 101.5 | 102.5 | 150 | 3.5 | 20   | □      | 4   |
| MPS1-1950L-DIN-C |      | 5     | 153.5 | 72.3 | 101.5 | 102.5 | 150 | 3.5 | 20   | ●      | 2   |
| MPS1-2000S-DIN   | 20.0 | 3     | 131.6 | 49.6 | 79.6  | 80.6  | 128 | 3.6 | 20   | □      | 4   |
| MPS1-2000S-DIN-C |      | 3     | 131.6 | 49.6 | 79.6  | 80.6  | 128 | 3.6 | 20   | ●      | 2   |
| MPS1-2000L-DIN   |      | 5     | 153.6 | 71.6 | 101.6 | 102.6 | 150 | 3.6 | 20   | □      | 4   |
| MPS1-2000L-DIN-C |      | 5     | 153.6 | 71.6 | 101.6 | 102.6 | 150 | 3.6 | 20   | ●      | 2   |

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# MPS1

## SCHNITTDATENEMPFEHLUNGEN

| Material                    | Eigenschaften | DC            | L x DC           | Vc            | f                |
|-----------------------------|---------------|---------------|------------------|---------------|------------------|
| Stahl                       | <180HB        | 3             | 3-8              | 100 ( 60-150) | 0.15 (0.10-0.20) |
|                             |               |               | 10-25            | 90 ( 40-110)  | 0.17 (0.10-0.24) |
|                             |               |               | 30-40            | 75 ( 40- 95)  | 0.14 (0.08-0.19) |
|                             |               | 4             | 3-8              | 120 ( 70-170) | 0.19 (0.12-0.25) |
|                             |               |               | 10-25            | 90 ( 40-110)  | 0.20 (0.12-0.30) |
|                             |               |               | 30-40            | 75 ( 40- 95)  | 0.16 (0.10-0.24) |
|                             |               | 5             | 3-8              | 130 ( 80-190) | 0.23 (0.15-0.30) |
|                             |               |               | 10-25            | 90 ( 40-110)  | 0.25 (0.15-0.35) |
|                             |               |               | 30-40            | 75 ( 40- 95)  | 0.20 (0.12-0.28) |
|                             |               | 6             | 3-8              | 140 ( 90-210) | 0.27 (0.18-0.35) |
|                             |               |               | 10-25            | 110 ( 70-120) | 0.27 (0.17-0.37) |
|                             |               |               | 30-40            | 90 ( 40-110)  | 0.22 (0.14-0.30) |
|                             |               | 8             | 3-8              | 160 (100-240) | 0.30 (0.20-0.40) |
|                             |               |               | 10-25            | 110 ( 70-120) | 0.30 (0.20-0.40) |
|                             |               |               | 30-40            | 90 ( 40-110)  | 0.24 (0.16-0.32) |
|                             |               | 10            | 3-8              | 170 (100-250) | 0.33 (0.20-0.45) |
|                             |               |               | 10-25            | 110 ( 70-120) | 0.32 (0.22-0.42) |
|                             |               |               | 30-40            | 90 ( 40-110)  | 0.26 (0.18-0.34) |
|                             |               | 12            | 3-8              | 180 (100-250) | 0.35 (0.20-0.50) |
|                             |               |               | 10-25            | 130 ( 90-150) | 0.34 (0.24-0.44) |
| 30-40                       | 105 ( 55-125) |               | 0.27 (0.19-0.35) |               |                  |
| 16                          | 3-8           | 180 (100-250) | 0.38 (0.20-0.55) |               |                  |
|                             | 10-25         | 130 ( 90-150) | 0.36 (0.26-0.46) |               |                  |
| 20                          | 3-8           | 180 (100-250) | 0.40 (0.20-0.60) |               |                  |
| C-Stahl,<br>Legierter Stahl | 180-250HB     | 3             | 3-8              | 90 ( 60-140)  | 0.15 (0.10-0.19) |
|                             |               |               | 10-25            | 90 ( 40-110)  | 0.17 (0.10-0.24) |
|                             |               |               | 30-40            | 75 ( 40- 85)  | 0.14 (0.08-0.19) |
|                             |               | 4             | 3-8              | 100 ( 70-160) | 0.18 (0.12-0.24) |
|                             |               |               | 10-25            | 90 ( 40-110)  | 0.20 (0.12-0.30) |
|                             |               |               | 30-40            | 75 ( 40- 85)  | 0.16 (0.10-0.24) |
|                             |               | 5             | 3-8              | 110 ( 80-180) | 0.22 (0.15-0.29) |
|                             |               |               | 10-25            | 90 ( 40-110)  | 0.25 (0.15-0.35) |
|                             |               |               | 30-40            | 75 ( 40- 85)  | 0.20 (0.12-0.28) |
|                             |               | 6             | 3-8              | 120 ( 90-190) | 0.26 (0.18-0.33) |
|                             |               |               | 10-25            | 100 ( 60-110) | 0.24 (0.15-0.33) |
|                             |               |               | 30-40            | 80 ( 40- 90)  | 0.22 (0.14-0.30) |
|                             |               | 8             | 3-8              | 140 (100-220) | 0.29 (0.20-0.38) |
|                             |               |               | 10-25            | 100 ( 60-110) | 0.30 (0.20-0.40) |
|                             |               |               | 30-40            | 80 ( 40- 90)  | 0.24 (0.16-0.32) |
|                             |               | 10            | 3-8              | 150 (100-230) | 0.32 (0.20-0.43) |
|                             |               |               | 10-25            | 100 ( 60-110) | 0.32 (0.22-0.42) |
|                             |               |               | 30-40            | 80 ( 40- 90)  | 0.26 (0.18-0.34) |
|                             |               | 12            | 3-8              | 160 (100-230) | 0.34 (0.20-0.48) |
|                             |               |               | 10-25            | 120 ( 80-140) | 0.34 (0.24-0.44) |
| 30-40                       | 95 ( 55-105)  |               | 0.27 (0.19-0.35) |               |                  |
| 16                          | 3-8           | 160 (100-230) | 0.36 (0.20-0.52) |               |                  |
|                             | 10-25         | 120 ( 80-140) | 0.36 (0.26-0.46) |               |                  |
| 20                          | 3-8           | 160 (100-230) | 0.39 (0.20-0.57) |               |                  |

## MPS1

| Material                      | Eigenschaften | DC            | L x DC           | Vc            | f                |
|-------------------------------|---------------|---------------|------------------|---------------|------------------|
| P C-Stahl,<br>Legierter Stahl | 280-350 HB    | 3             | 3-8              | 80 ( 50-110)  | 0.12 (0.10-0.14) |
|                               |               |               | 10-25            | 80 ( 40- 90)  | 0.15 (0.09-0.22) |
|                               |               |               | 30-40            | 65 ( 40- 75)  | 0.15 (0.07-0.18) |
|                               |               | 4             | 3-8              | 90 ( 60-120)  | 0.15 (0.12-0.18) |
|                               |               |               | 10-25            | 80 ( 40- 90)  | 0.18 (0.11-0.27) |
|                               |               |               | 30-40            | 65 ( 40- 75)  | 0.18 (0.09-0.22) |
|                               |               | 5             | 3-8              | 90 ( 70-140)  | 0.19 (0.15-0.22) |
|                               |               |               | 10-25            | 80 ( 40- 90)  | 0.22 (0.14-0.32) |
|                               |               |               | 30-40            | 65 ( 40- 75)  | 0.22 (0.11-0.26) |
|                               |               | 6             | 3-8              | 100 ( 80-150) | 0.22 (0.18-0.25) |
|                               |               |               | 10-25            | 90 ( 40-110)  | 0.24 (0.15-0.33) |
|                               |               |               | 30-40            | 75 ( 40- 85)  | 0.24 (0.12-0.26) |
|                               |               | 8             | 3-8              | 120 ( 90-170) | 0.24 (0.20-0.27) |
|                               |               |               | 10-25            | 90 ( 40-110)  | 0.27 (0.18-0.36) |
|                               |               |               | 30-40            | 75 ( 40- 85)  | 0.27 (0.14-0.29) |
|                               |               | 10            | 3-8              | 130 ( 90-180) | 0.25 (0.20-0.30) |
|                               |               |               | 10-25            | 90 ( 40-110)  | 0.29 (0.20-0.38) |
|                               |               |               | 30-40            | 75 ( 40- 95)  | 0.29 (0.16-0.30) |
|                               |               | 12            | 3-8              | 140 ( 90-180) | 0.27 (0.20-0.34) |
|                               |               |               | 10-25            | 100 ( 60-110) | 0.30 (0.22-0.40) |
| 30-40                         | 80 ( 40-100)  |               | 0.30 (0.18-0.32) |               |                  |
| 16                            | 3-8           | 140 ( 90-180) | 0.28 (0.20-0.36) |               |                  |
|                               | 10-25         | 100 ( 60-110) | 0.32 (0.23-0.41) |               |                  |
| 20                            | 3-8           | 140 ( 90-180) | 0.30 (0.20-0.40) |               |                  |
| M Rostfreier Stahl            |               | 3             | 3-8              | 40 ( 20- 50)  | 0.08 (0.06-0.12) |
|                               |               |               | 10-25            | 40 ( 20- 60)  | 0.07 (0.05-0.09) |
|                               |               |               | 30-40            | 30 ( 20- 50)  | 0.06 (0.04-0.07) |
|                               |               | 4             | 3-8              | 40 ( 30- 50)  | 0.09 (0.07-0.13) |
|                               |               |               | 10-25            | 40 ( 20- 60)  | 0.08 (0.06-0.10) |
|                               |               |               | 30-40            | 30 ( 20- 50)  | 0.06 (0.05-0.08) |
|                               |               | 5             | 3-8              | 40 ( 30- 50)  | 0.11 (0.08-0.16) |
|                               |               |               | 10-25            | 40 ( 20- 60)  | 0.10 (0.07-0.12) |
|                               |               |               | 30-40            | 30 ( 20- 50)  | 0.08 (0.06-0.10) |
|                               |               | 6             | 3-8              | 50 ( 40- 70)  | 0.14 (0.11-0.18) |
|                               |               |               | 10-25            | 50 ( 20- 60)  | 0.12 (0.08-0.16) |
|                               |               |               | 30-40            | 40 ( 20- 60)  | 0.10 (0.06-0.13) |
|                               |               | 8             | 3-8              | 50 ( 40- 70)  | 0.15 (0.12-0.20) |
|                               |               |               | 10-25            | 50 ( 20- 60)  | 0.14 (0.10-0.17) |
|                               |               |               | 30-40            | 40 ( 20- 50)  | 0.11 (0.08-0.14) |
|                               |               | 10            | 3-8              | 50 ( 40- 70)  | 0.16 (0.12-0.22) |
|                               |               |               | 10-25            | 50 ( 20- 60)  | 0.15 (0.12-0.18) |
|                               |               |               | 30-40            | 40 ( 20- 50)  | 0.12 (0.10-0.14) |
|                               |               | 12            | 3-8              | 50 ( 40- 70)  | 0.18 (0.14-0.24) |
|                               |               |               | 10-25            | 60 ( 25- 65)  | 0.17 (0.14-0.19) |
| 30-40                         | 50 ( 20- 60)  |               | 0.14 (0.11-0.15) |               |                  |
| 16                            | 3-8           | 50 ( 40- 70)  | 0.19 (0.15-0.26) |               |                  |
|                               | 10-25         | 60 ( 25- 65)  | 0.17 (0.14-0.19) |               |                  |
| 20                            | 3-8           | 50 ( 40- 70)  | 0.21 (0.16-0.28) |               |                  |

## MPS1

| Material             | Eigenschaften | DC            | L x DC           | Vc            | f                |
|----------------------|---------------|---------------|------------------|---------------|------------------|
| K Gusseisen          | ≤ 350 MPa     | 3             | 3-8              | 90 ( 60-100)  | 0.15 (0.10-0.20) |
|                      |               |               | 10-25            | 90 ( 40-110)  | 0.19 (0.11-0.26) |
|                      |               |               | 30-40            | 75 ( 45- 95)  | 0.15 (0.09-0.21) |
|                      |               | 4             | 3-8              | 100 ( 70-110) | 0.21 (0.12-0.30) |
|                      |               |               | 10-25            | 90 ( 40-110)  | 0.22 (0.13-0.33) |
|                      |               |               | 30-40            | 75 ( 45- 95)  | 0.18 (0.10-0.26) |
|                      |               | 5             | 3-8              | 110 ( 80-130) | 0.25 (0.15-0.35) |
|                      |               |               | 10-25            | 90 ( 40-110)  | 0.28 (0.17-0.39) |
|                      |               |               | 30-40            | 75 ( 45- 95)  | 0.22 (0.13-0.31) |
|                      |               | 6             | 3-8              | 120 ( 90-140) | 0.29 (0.18-0.40) |
|                      |               |               | 10-25            | 100 ( 60-110) | 0.30 (0.19-0.41) |
|                      |               |               | 30-40            | 90 ( 60-110)  | 0.24 (0.15-0.33) |
|                      |               | 8             | 3-8              | 140 (100-160) | 0.33 (0.20-0.45) |
|                      |               |               | 10-25            | 100 ( 60-110) | 0.33 (0.22-0.44) |
|                      |               |               | 30-40            | 90 ( 60-100)  | 0.26 (0.18-0.35) |
|                      |               | 10            | 3-8              | 150 (100-170) | 0.35 (0.20-0.50) |
|                      |               |               | 10-25            | 100 ( 60-110) | 0.35 (0.24-0.46) |
|                      |               |               | 30-40            | 90 ( 60-100)  | 0.28 (0.19-0.37) |
|                      |               | 12            | 3-8              | 160 (100-170) | 0.40 (0.20-0.60) |
|                      |               |               | 10-25            | 120 ( 90-140) | 0.37 (0.26-0.48) |
|                      |               |               | 30-40            | 105 ( 65-115) | 0.30 (0.21-0.38) |
| 16                   | 3-8           | 160 (100-170) | 0.43 (0.20-0.65) |               |                  |
|                      | 10-25         | 120 ( 90-140) | 0.40 (0.29-0.48) |               |                  |
| 20                   | 3-8           | 160 (100-170) | 0.45 (0.20-0.70) |               |                  |
| K Duktiles Gusseisen | ≤ 450 MPa     | 3             | 3-8              | 80 ( 50- 90)  | 0.12 (0.08-0.16) |
|                      |               |               | 10-25            | 90 ( 40-110)  | 0.17 (0.10-0.24) |
|                      |               |               | 30-40            | 30 ( 20- 50)  | 0.14 (0.08-0.19) |
|                      |               | 4             | 3-8              | 90 ( 60-100)  | 0.17 (0.10-0.24) |
|                      |               |               | 10-25            | 90 ( 40-110)  | 0.20 (0.12-0.30) |
|                      |               |               | 30-40            | 30 ( 20- 50)  | 0.16 (0.10-0.24) |
|                      |               | 5             | 3-8              | 90 ( 70-120)  | 0.21 (0.14-0.28) |
|                      |               |               | 10-25            | 90 ( 40-110)  | 0.25 (0.15-0.35) |
|                      |               |               | 30-40            | 30 ( 20- 50)  | 0.20 (0.12-0.28) |
|                      |               | 6             | 3-8              | 100 ( 80-130) | 0.25 (0.16-0.34) |
|                      |               |               | 10-25            | 100 ( 60-110) | 0.27 (0.17-0.37) |
|                      |               |               | 30-40            | 40 ( 30- 60)  | 0.22 (0.14-0.30) |
|                      |               | 8             | 3-8              | 120 ( 90-150) | 0.28 (0.18-0.38) |
|                      |               |               | 10-25            | 100 ( 60-110) | 0.30 (0.20-0.40) |
|                      |               |               | 30-40            | 40 ( 30- 60)  | 0.24 (0.16-0.32) |
|                      |               | 10            | 3-8              | 130 ( 90-160) | 0.29 (0.18-0.40) |
|                      |               |               | 10-25            | 100 ( 60-110) | 0.32 (0.22-0.42) |
|                      |               |               | 30-40            | 40 ( 30- 60)  | 0.26 (0.18-0.34) |
|                      |               | 12            | 3-8              | 140 ( 90-160) | 0.31 (0.18-0.44) |
|                      |               |               | 10-25            | 120 ( 90-140) | 0.34 (0.24-0.44) |
|                      |               |               | 30-40            | 50 ( 40- 70)  | 0.27 (0.19-0.35) |
| 16                   | 3-8           | 140 ( 90-160) | 0.33 (0.18-0.48) |               |                  |
|                      | 10-25         | 120 ( 90-140) | 0.36 (0.26-0.46) |               |                  |
| 20                   | 3-8           | 140 ( 90-160) | 0.35 (0.18-0.52) |               |                  |

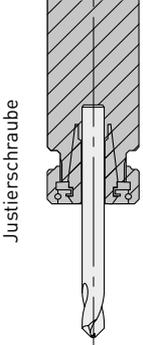
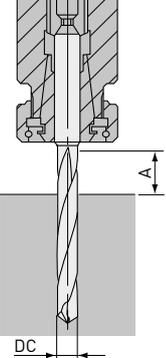
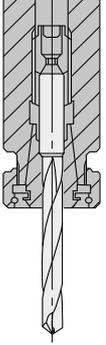
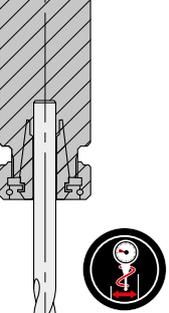
# MPS1

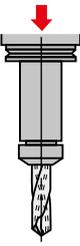
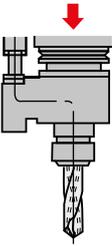
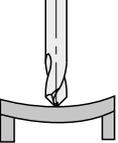
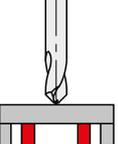
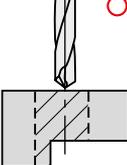
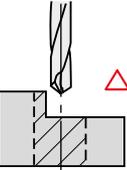
| Material             | Eigenschaften | DC | L x DC | Vc            | f                |
|----------------------|---------------|----|--------|---------------|------------------|
| K Duktiles Gusseisen | ≤ 800 MPa     | 3  | 3-8    | 60 ( 40- 80)  | 0.09 (0.06-0.12) |
|                      |               | 4  | 3-8    | 70 ( 50- 90)  | 0.13 (0.08-0.18) |
|                      |               | 5  | 3-8    | 70 ( 60-100)  | 0.17 (0.12-0.22) |
|                      |               | 6  | 3-8    | 80 ( 70-110)  | 0.20 (0.14-0.26) |
|                      |               | 8  | 3-8    | 100 ( 80-130) | 0.23 (0.16-0.30) |
|                      |               | 10 | 3-8    | 110 ( 80-140) | 0.24 (0.16-0.32) |
|                      |               | 12 | 3-8    | 110 ( 80-140) | 0.25 (0.16-0.34) |
|                      |               | 16 | 3-8    | 110 ( 80-140) | 0.27 (0.16-0.38) |
|                      |               | 20 | 3-8    | 110 ( 80-140) | 0.28 (0.16-0.40) |

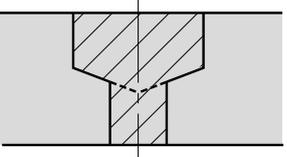
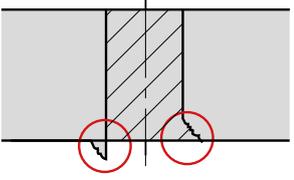
4/4

# MPS1

## BENUTZERHINWEISE

| BOHRER-AUFNAHME  | MAX. BOHRTIEFE  | SPANNEN DES BOHRERS   | RUNDLAUFTOLERANZ  |
|--|---|---|---|
|  <p>Justierschraube</p> |  |  |  |
| <p>Präzisionsspannzangen können verwendet werden. Wir empfehlen den Einsatz von Kraftspannfutter.</p>    | <p><math>A \geq DC \times 1.5</math></p>  | <p>Nicht auf den Spiralnuten spannen.</p>   | <p>Rundlaufabweichung <math>\leq 0.03</math> mm</p>                                 |

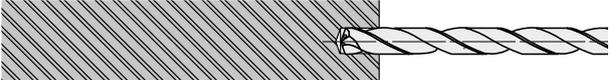
| INTERNE KÜHLMITTELZUFUHR   | KÜHLMITTELZUFUHR   | DÜNNE WERKSTÜCKE  | BOHREN MIT SCHNITTUNTERBRECHUNG  |
|--|--|---|--|
| <p>Kühlmitteleinführung durch die Spindel</p>  <p>Kühlmitteleinführung durch spezielle Aufnahmen.</p>  <p>Empfohlener Kühlmitteldruck ca. 0.5–1 MPa (&lt;math&gt;\varnothing 5&lt;/math&gt;: 2–3 MPa).</p> | <p>Kleine Partikel können die Kühlmittelbohrungen verstopfen. Verwenden Sie daher bitte einen Kühlmittelfilter.</p> <p>Stark verschmutztes Kühlmittel reduziert den Spänefluss. Daher wird ein regelmäßiger Austausch des Kühlmittels empfohlen.</p> | <p>Falls sich Werkstücke verbiegen,</p>  <p>stützen Sie diese entsprechend ab.</p>  | <p>Ohne Vorbearbeitung</p>  <p>1. Vorschubreduzierung bei Schnittunterbrechung</p> <p>Benötigt Vorbearbeitung (z.B. Anspiegeln)</p>  <p>1. Planen Sie die Fläche mit einem Fräser vorab.</p> |

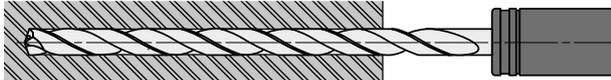
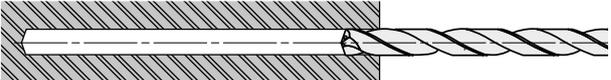
| STUFENBOHRUNG  | STARKE GRATBILDUNG UND AUSBRÜCHE  |
|--|---|
|   |    |
| <p>Zwei Arbeitsschritte:<br/>Bohren Sie zuerst die größere Bohrung.<br/>Stufenbohrer für eine Bearbeitung in einem Prozess können kundenspezifisch auf Anfrage hergestellt werden.</p> | <p>Reduzieren Sie den Vorschub am Austritt der Bohrung um 50 %.<br/>Erzeugen Sie eine Fase von 45°.<br/>Ändern Sie den Spitzenwinkel.</p> |

# MPS1

## VERWENDUNG VON SUPER LONG BOHRERN

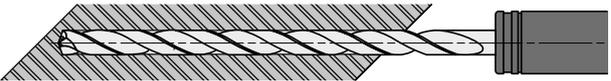
### SACKLOCHBOHRUNG SETZEN

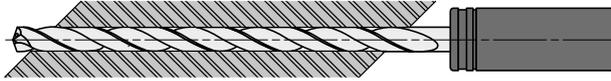
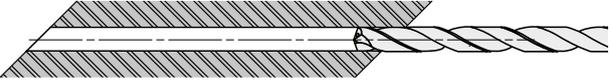
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|---|---|
| <b>1. Pilotbohrung setzen</b>    | <b>2. Einfahren in die Pilotbohrung</b>   |
| <p>Für die Pilotbohrungen empfehlen wir den Einsatz von Mitsubishi Bohrern Typ MPS1 (PC).<br/>Bitte stellen Sie eine präzise Pilotbohrung her, um einen einwandfreien Prozess beim Tieflochbohren zu gewährleisten.<br/>Pilotbohrung: Min. 1 x DC oder tiefer.<br/>(Passen Sie die Tiefe der Pilotbohrung der Länge Ihres SuperLong Bohrers an)</p> | <p>Mit niedriger Drehzahl in die Pilotbohrung einfahren.<br/>(Schnittgeschwindigkeit 20–30 m/min, Vorschub 0.2–0.3 mm/U)<br/>Tieflochbohrer 1–3 mm vor dem Boden des Führungslochs stoppen.</p> |

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| <b>3. Tieflochbohren</b>  | <b>4. Herausfahren des Bohrers</b>    |
| <p>Mit den empfohlenen Schnittdaten bis zur gewünschten Bohrungstiefe bohren.</p>                          | <p>Nach dem Bohren Schnittgeschwindigkeit etwa 1–2 mm vom Bohrungsende entfernt reduzieren (Schnittgeschw. 20–30 m/min.)<br/>Fahren Sie den Bohrer bis zur Tiefe der Pilotbohrung heraus (Vf = 3000 mm/min.)<br/>Fahren Sie den Bohrer aus der Pilotbohrung mit geringer Drehzahl (n = 300, Vf = 3000 mm/min)</p> |

### BOHRUNGEN IN ANGEWINKELTEN WERKSTÜCKEN

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|---|---|
| <b>1. Anspiegeln</b>                                   | <b>2. Pilotbohrung setzen</b>   |
| <p>Fräsen Sie eine ebene Fläche in das Werkstück und setzen Sie einen Fräser mit gleichem Durchmesser wie die gewünschte Bohrung ein.</p> | <p>Für die Pilotbohrungen empfehlen wir den Einsatz von Mitsubishi Bohrern Typ MPS1 (PC).<br/>Bitte stellen Sie eine präzise Pilotbohrung her, um einen einwandfreien Prozess beim Tieflochbohren zu gewährleisten.<br/>Pilotbohrung: Min. 1 x DC oder tiefer.<br/>(Passen Sie die Tiefe der Pilotbohrung der Länge Ihres SuperLong Bohrers an)</p> |

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| <b>3. Einfahren in die Pilotbohrung</b>   | <b>4. Tieflochbohren</b>                       |
| <p>Mit niedriger Drehzahl in die Pilotbohrung einfahren.<br/>(Schnittgeschwindigkeit 20–30 m/min, Vorschub 0.2–0.3 mm/U)<br/>Langbohrer 1–3mm vor dem Boden des Führungslochs stoppen.</p> | <p>Mit den empfohlenen Schnittdaten bis zur gewünschten Bohrungstiefe bohren.<br/>Vorschub bis vor dem Durchbruch beibehalten.</p> |

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| <b>5. Durchbohren</b>    | <b>6. Herausfahren des Bohrers</b>   |
| <p>Beim Austritt aus dem Werkstück kann die Schneidkante des Bohrers ausbrechen.<br/>Reduzieren Sie den Vorschub auf <math>f = 0.05\text{mm} - 0.1\text{ mm/U}</math></p> | <p>Bohrer auf Pilotbohrung-Startpunkt tiefe herausziehen bei einem Vorschub von 3000 mm/min.<br/>Dann Bohrung mit einer Schnittgeschw. von 20–30 m/min und einem Vorschub von 0.2–0.3 mm/U herausfahren.</p> |











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