

# Safety Instructions

## **Micropilot**

### **FMR50/51/52/53/54/56/57**

PROFIBUS PA, FOUNDATION Fieldbus

Associated Safety Instructions (XA) on page 4



---

# Micropilot FMR50/51/52/53/54/56/57

PROFIBUS PA, FOUNDATION Fieldbus

## Table of contents

|  |    |
|--|----|
| Associated documentation . . . . .     | 4  |
| Zone 0, Zone 1: 1 channel . . . . .    | 5  |
| Zone 0, Zone 1: 2 channels . . . . .   | 6  |
| Zone 1: 1 channel . . . . .            | 7  |
| Zone 1: 2 channels . . . . .           | 22 |
| Zone 20, Zone 21: 1 channel . . . . .  | 37 |
| Zone 20, Zone 21: 2 channels . . . . . | 45 |

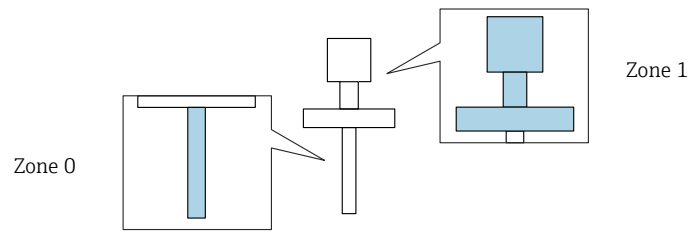
**Associated documentation**

This document is an integral part of the following Safety Instructions:

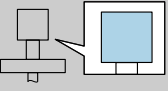
ATEX, IECEx:  
XA00692F/00

UK:  
XA02398F/00

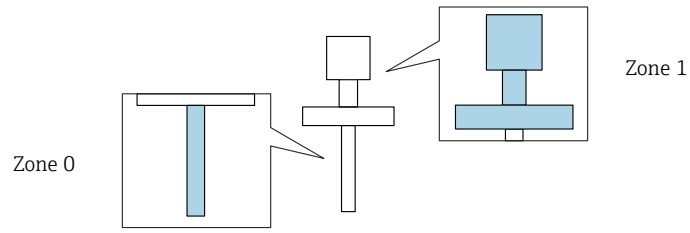
Zone 0, Zone 1: 1 channel      Position 3 = E, G: 1 channel used



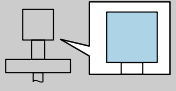
**FMR5x**

|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6             | -20            | 60             | 60             | 60             | 60             | 60             | 60             | -40            | -20            | -40            | -              | - |
|  |      | T5             | -20            | 75             | 60             | 75             | 60             | 75             | 60             | -40            | -20            | -40            | -              | - |
|  |      | T4             | -20            | 80             | 60             | 80             | 60             | 80             | 60             | -40            | -20            | -40            | -              | - |

Zone 0, Zone 1: 2 channels      Position 3 = E, G: 2 channels used



**FMR5x**

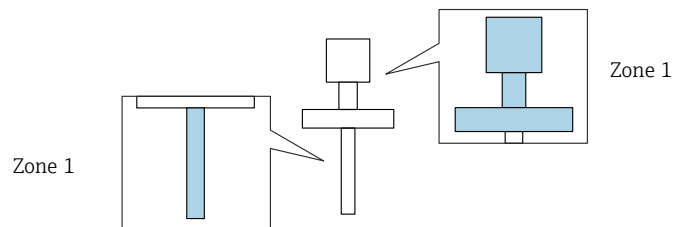
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6             | -20            | 60             | 60             | 60             | 60             | 60             | -40            | -20            | -40            | -              | -              |   |
|   |      | T5             | -20            | 75             | 60             | 75             | 60             | 75             | 60             | -40            | -20            | -40            | -              | - |
|   |      | T4             | -20            | 76             | 60             | 76             | 60             | 76             | 60             | -40            | -20            | -40            | -              | - |

**Zone 1: 1 channel**

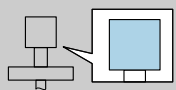
Position 3 = E, G: 1 channel used

Page references to the temperature tables of the respective device types: See the following list.

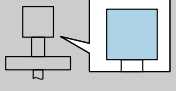
- FMR50 → 7
- FMR51 → 8
- FMR52 → 11
- FMR53 → 13
- FMR54 → 15
- FMR56 → 19
- FMR57 → 20



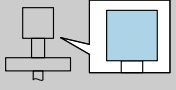
**FMR50**

|  = C | (1)  |    | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      |    | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | T6 | -40            | 60             | 60             | 60             | 80             | 58             | 80             | -40            | -40            | -40            | -              | -              |

## FMR51

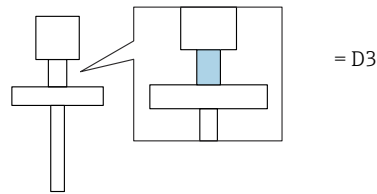
|  = B | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 54             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 69             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 80             | 81             | 80             | 135            | 69             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3 <sup>1)</sup> | -40            | 80             | 81             | 80             | 150            | 66             | 150            | -40            | -40            | -40            | -              | - |

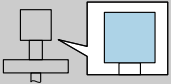
1) Functional: Maximum permissible process temperature

|  = C | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 80             | 81             | 80             | 135            | 71             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3 <sup>1)</sup> | -40            | 80             | 81             | 80             | 150            | 68             | 150            | -40            | -40            | -40            | -              | - |

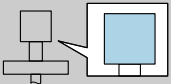
1) Functional: Maximum permissible process temperature

**FMR51**



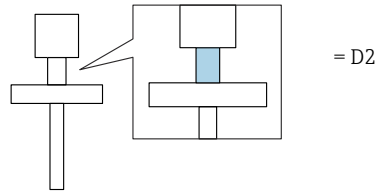
|  = B | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 80             | 81             | 80             | 135            | 75             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3               | -40            | 80             | 81             | 80             | 200            | 68             | 200            | -40            | -40            | -40            | -              | - |
|   |      | T2 <sup>1)</sup> | -40            | 80             | 81             | 80             | 250            | 63             | 250            | -40            | -40            | -40            | -              | - |

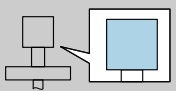
1) Functional: Maximum permissible process temperature

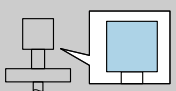
|  = C | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 58             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 73             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 80             | 81             | 80             | 135            | 76             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3               | -40            | 80             | 81             | 80             | 200            | 71             | 200            | -40            | -40            | -40            | -              | - |
|  |      | T2 <sup>1)</sup> | -40            | 80             | 81             | 80             | 250            | 67             | 250            | -40            | -40            | -40            | -              | - |

1) Functional: Maximum permissible process temperature

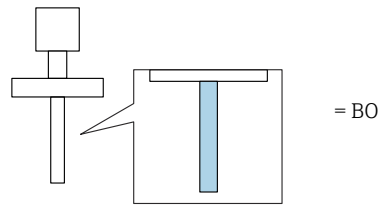
FMR51



|  = B | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -196           | -15 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -196           | -15 |
|  |      | T4             | -196           | 80             | 81             | 80             | 135            | 73             | 135            | -40            | -40            | -40            | -196           | -15 |
|  |      | T3             | -196           | 80             | 81             | 80             | 200            | 64             | 200            | -40            | -40            | -40            | -196           | -15 |
|  |      | T2             | -196           | 80             | 81             | 80             | 300            | 50             | 300            | -40            | -40            | -40            | -196           | -15 |

|  = C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|   | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -196           | -20 |
|   |      | T5             | -196           | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -196           | -20 |
|   |      | T4             | -196           | 80             | 81             | 80             | 135            | 75             | 135            | -40            | -40            | -40            | -196           | -20 |
|   |      | T3             | -196           | 80             | 81             | 80             | 200            | 68             | 200            | -40            | -40            | -40            | -196           | -20 |
|   |      | T2             | -196           | 80             | 81             | 80             | 300            | 57             | 300            | -40            | -40            | -40            | -196           | -20 |
|   |      | T1             | -196           | 80             | 81             | 80             | 450            | 39             | 450            | -40            | -40            | -40            | -196           | -20 |

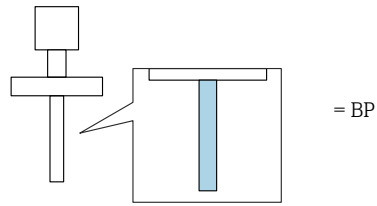
**FMR52**

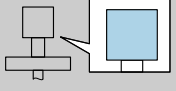


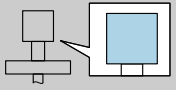
|  | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |    |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |    |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -196           | -3 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -196           | -3 |
|  |      | T4             | -196           | 80             | 81             | 80             | 135            | 71             | 135            | -40            | -40            | -40            | -196           | -3 |
|  |      | T3             | -196           | 80             | 81             | 80             | 200            | 60             | 200            | -40            | -40            | -40            | -196           | -3 |

|  | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -196           | -14 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -196           | -14 |
|  |      | T4             | -196           | 80             | 81             | 80             | 135            | 73             | 135            | -40            | -40            | -40            | -196           | -14 |
|  |      | T3             | -196           | 80             | 81             | 80             | 200            | 64             | 200            | -40            | -40            | -40            | -196           | -14 |

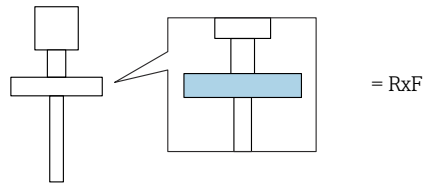
FMR52

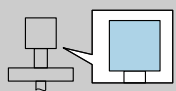


|  = B | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |    |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |    |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 54             | 85             | -40            | -40            | -40            | -196           | 10 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 69             | 100            | -40            | -40            | -40            | -196           | 10 |
|  |      | T4             | -196           | 80             | 81             | 80             | 135            | 69             | 135            | -40            | -40            | -40            | -196           | 10 |
|  |      | T3             | -196           | 80             | 81             | 80             | 200            | 56             | 200            | -40            | -40            | -40            | -196           | 10 |

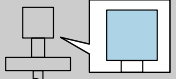
|  = C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |    |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |    |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -196           | -8 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -196           | -8 |
|  |      | T4             | -196           | 80             | 81             | 80             | 135            | 72             | 135            | -40            | -40            | -40            | -196           | -8 |
|  |      | T3             | -196           | 80             | 81             | 80             | 200            | 61             | 200            | -40            | -40            | -40            | -196           | -8 |

**FMR53**

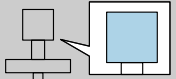


|  = B, C | (1)  |    | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|--|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|  |      |    | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|  | E, G | T6 | -40            | 60             | 60             | 60             | 80             | 58             | 80             | -40            | -40            | -40            | -              | -              |

## FMR53

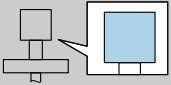
|  = B | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 53             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 68             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 80             | 81             | 80             | 135            | 68             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3 <sup>1)</sup> | -40            | 80             | 81             | 80             | 150            | 65             | 150            | -40            | -40            | -40            | -              | - |

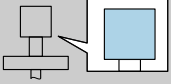
1) Functional: Maximum permissible process temperature

|  = C | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 54             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 69             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 80             | 81             | 80             | 135            | 70             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3 <sup>1)</sup> | -40            | 80             | 81             | 80             | 150            | 67             | 150            | -40            | -40            | -40            | -              | - |

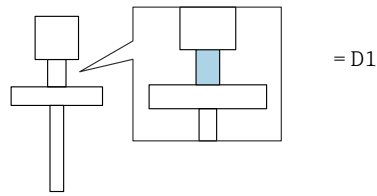
1) Functional: Maximum permissible process temperature

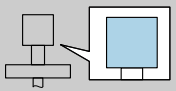
**FMR54**

|  = B | (1)  |    | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      |    | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | T6 | -40            | 60             | 60             | 60             | 85             | 53             | 85             | -40            | -40            | -40            | -              | -              |
|   |      | T5 | -40            | 75             | 75             | 75             | 100            | 68             | 100            | -40            | -40            | -40            | -              | -              |
|   |      | T4 | -40            | 80             | 81             | 80             | 135            | 67             | 135            | -40            | -40            | -40            | -              | -              |
|   |      | T3 | -40            | 80             | 81             | 80             | 200            | 52             | 200            | -40            | -40            | -40            | -              | -              |

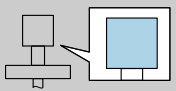
|  = C | (1)  |    | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      |    | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | T6 | -40            | 60             | 60             | 60             | 85             | 54             | 85             | -40            | -40            | -40            | -              | -              |
|   |      | T5 | -40            | 75             | 75             | 75             | 100            | 69             | 100            | -40            | -40            | -40            | -              | -              |
|   |      | T4 | -40            | 80             | 81             | 80             | 135            | 70             | 135            | -40            | -40            | -40            | -              | -              |
|   |      | T3 | -40            | 80             | 81             | 80             | 200            | 57             | 200            | -40            | -40            | -40            | -              | -              |

**FMR54**



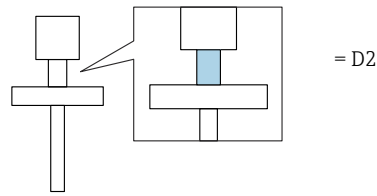
|  = B | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |    |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |    |
|  | E, G | T6               | -196           | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -196           | -4 |
|  |      | T5               | -196           | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -196           | -4 |
|  |      | T4               | -196           | 80             | 81             | 80             | 135            | 71             | 135            | -40            | -40            | -40            | -196           | -4 |
|  |      | T3               | -196           | 80             | 81             | 80             | 200            | 60             | 200            | -40            | -40            | -40            | -196           | -4 |
|  |      | T2 <sup>1)</sup> | -196           | 80             | 81             | 80             | 280            | 46             | 280            | -40            | -40            | -40            | -196           | -4 |

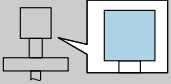
1) Functional: Maximum permissible process temperature

|  = C | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|   | E, G | T6               | -196           | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -196           | -15 |
|   |      | T5               | -196           | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -196           | -15 |
|   |      | T4               | -196           | 80             | 81             | 80             | 135            | 73             | 135            | -40            | -40            | -40            | -196           | -15 |
|   |      | T3               | -196           | 80             | 81             | 80             | 200            | 64             | 200            | -40            | -40            | -40            | -196           | -15 |
|   |      | T2 <sup>1)</sup> | -196           | 80             | 81             | 80             | 280            | 53             | 280            | -40            | -40            | -40            | -196           | -15 |

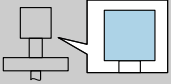
1) Functional: Maximum permissible process temperature

**FMR54**



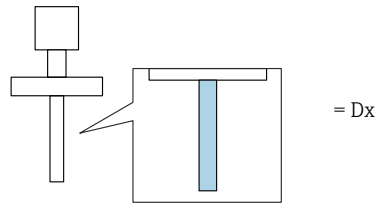
|  = B | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|   | E, G | T6               | -196           | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -196           | -13 |
|   |      | T5               | -196           | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -196           | -13 |
|   |      | T4               | -196           | 80             | 81             | 80             | 135            | 73             | 135            | -40            | -40            | -40            | -196           | -13 |
|   |      | T3               | -196           | 80             | 81             | 80             | 200            | 63             | 200            | -40            | -40            | -40            | -196           | -13 |
|   |      | T2               | -196           | 80             | 81             | 80             | 300            | 48             | 300            | -40            | -40            | -40            | -196           | -13 |
|   |      | T1 <sup>1)</sup> | -196           | 80             | 81             | 80             | 400            | 31             | 400            | -40            | -40            | -40            | -196           | -13 |

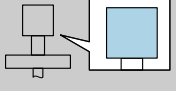
1) Functional: Maximum permissible process temperature

|  = C | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|   | E, G | T6               | -196           | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -196           | -19 |
|   |      | T5               | -196           | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -196           | -19 |
|   |      | T4               | -196           | 80             | 81             | 80             | 135            | 74             | 135            | -40            | -40            | -40            | -196           | -19 |
|   |      | T3               | -196           | 80             | 81             | 80             | 200            | 67             | 200            | -40            | -40            | -40            | -196           | -19 |
|   |      | T2               | -196           | 80             | 81             | 80             | 300            | 55             | 300            | -40            | -40            | -40            | -196           | -19 |
|   |      | T1 <sup>1)</sup> | -196           | 80             | 81             | 80             | 400            | 42             | 400            | -40            | -40            | -40            | -196           | -19 |

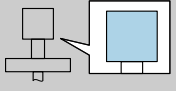
1) Functional: Maximum permissible process temperature

**FMR54**



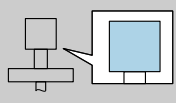
|  = B | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 80             | 81             | 80             | 135            | 71             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3 <sup>1)</sup> | -40            | 80             | 81             | 80             | 150            | 68             | 150            | -40            | -40            | -40            | -              | - |

1) Functional: Maximum permissible process temperature

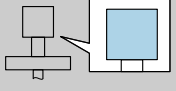
|  = C | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 80             | 81             | 80             | 135            | 73             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3 <sup>1)</sup> | -40            | 80             | 81             | 80             | 150            | 71             | 150            | -40            | -40            | -40            | -              | - |

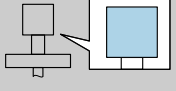
1) Functional: Maximum permissible process temperature

**FMR56**

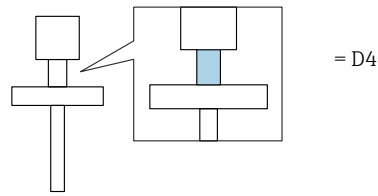
|  = C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6             | -40            | 60             | 60             | 60             | 80             | 58             | 80             | -40            | -40            | -40            | -              | - |

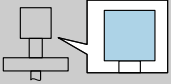
## FMR57

|  = B | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6             | -40            | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5             | -40            | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4             | -40            | 80             | 81             | 80             | 135            | 74             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3             | -40            | 80             | 81             | 80             | 200            | 66             | 200            | -40            | -40            | -40            | -              | - |

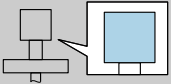
|  = C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6             | -40            | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5             | -40            | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4             | -40            | 80             | 81             | 80             | 135            | 75             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3             | -40            | 80             | 81             | 80             | 200            | 69             | 200            | -40            | -40            | -40            | -              | - |

**FMR57**



|  = B | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 80             | 81             | 80             | 135            | 76             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3               | -40            | 80             | 81             | 80             | 200            | 70             | 200            | -40            | -40            | -40            | -              | - |
|   |      | T2               | -40            | 80             | 81             | 80             | 300            | 61             | 300            | -40            | -40            | -40            | -              | - |
|   |      | T1 <sup>1)</sup> | -40            | 80             | 81             | 80             | 400            | 51             | 400            | -40            | -40            | -40            | -              | - |

1) Functional: Maximum permissible process temperature

|  = C | (1)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 58             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 73             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 80             | 81             | 80             | 135            | 77             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3               | -40            | 80             | 81             | 80             | 200            | 72             | 200            | -40            | -40            | -40            | -              | - |
|   |      | T2               | -40            | 80             | 81             | 80             | 300            | 65             | 300            | -40            | -40            | -40            | -              | - |
|   |      | T1 <sup>1)</sup> | -40            | 80             | 81             | 80             | 400            | 58             | 400            | -40            | -40            | -40            | -              | - |

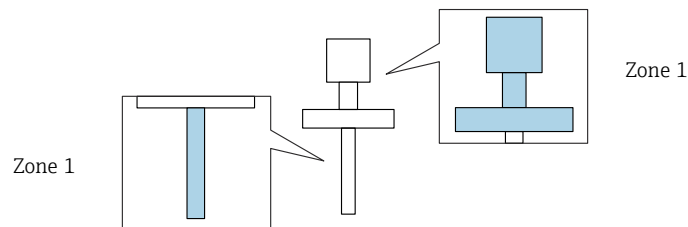
1) Functional: Maximum permissible process temperature

**Zone 1: 2 channels**

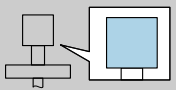
Position 3 = E, G: 2 channels used

Page references to the temperature tables of the respective device types: See the following list.

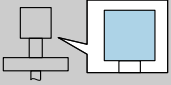
- FMR50 → 22
- FMR51 → 23
- FMR52 → 26
- FMR53 → 28
- FMR54 → 30
- FMR56 → 34
- FMR57 → 35



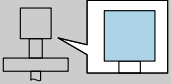
**FMR50**

|  = C | (2)  | T6 | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|--|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|  |      |    | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|  | E, G | T6 | -40            | 60             | 60             | 60             | 80             | 58             | 80             | -40            | -40            | -40            | -              | -              |

FMR51

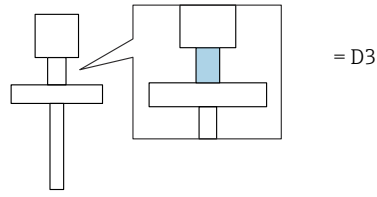
|  = B | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 54             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 69             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 76             | 76             | 76             | 135            | 63             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3 <sup>1)</sup> | -40            | 76             | 76             | 76             | 150            | 60             | 150            | -40            | -40            | -40            | -              | - |

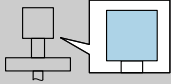
1) Functional: Maximum permissible process temperature

|  = C | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 76             | 76             | 76             | 135            | 65             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3 <sup>1)</sup> | -40            | 76             | 76             | 76             | 150            | 63             | 150            | -40            | -40            | -40            | -              | - |

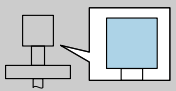
1) Functional: Maximum permissible process temperature

FMR51



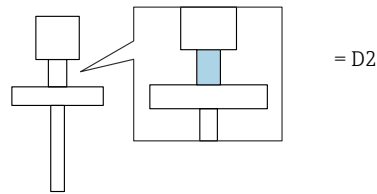
|  = B | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 76             | 76             | 76             | 135            | 69             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3               | -40            | 76             | 76             | 76             | 200            | 62             | 200            | -40            | -40            | -40            | -              | - |
|  |      | T2 <sup>1)</sup> | -40            | 76             | 76             | 76             | 250            | 57             | 250            | -40            | -40            | -40            | -              | - |

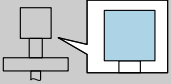
1) Functional: Maximum permissible process temperature

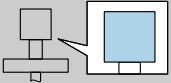
|  = C | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 58             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 73             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 76             | 76             | 76             | 135            | 71             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3               | -40            | 76             | 76             | 76             | 200            | 65             | 200            | -40            | -40            | -40            | -              | - |
|   |      | T2 <sup>1)</sup> | -40            | 76             | 76             | 76             | 250            | 61             | 250            | -40            | -40            | -40            | -              | - |

1) Functional: Maximum permissible process temperature

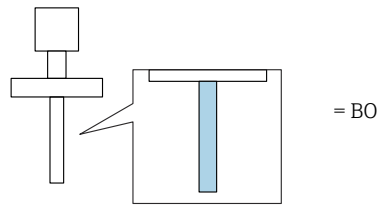
**FMR51**

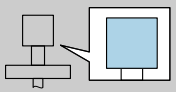


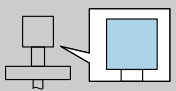
|  = B | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|   | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -196           | -15 |
|   |      | T5             | -196           | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -196           | -15 |
|   |      | T4             | -196           | 76             | 76             | 76             | 135            | 67             | 135            | -40            | -40            | -40            | -196           | -15 |
|   |      | T3             | -196           | 76             | 76             | 76             | 200            | 59             | 200            | -40            | -40            | -40            | -196           | -15 |
|   |      | T2             | -196           | 76             | 76             | 76             | 300            | 45             | 300            | -40            | -40            | -40            | -196           | -15 |

|  = C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -196           | -20 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -196           | -20 |
|  |      | T4             | -196           | 76             | 76             | 76             | 135            | 69             | 135            | -40            | -40            | -40            | -196           | -20 |
|  |      | T3             | -196           | 76             | 76             | 76             | 200            | 62             | 200            | -40            | -40            | -40            | -196           | -20 |
|  |      | T2             | -196           | 76             | 76             | 76             | 300            | 51             | 300            | -40            | -40            | -40            | -196           | -20 |
|  |      | T1             | -196           | 76             | 76             | 76             | 450            | 35             | 450            | -40            | -40            | -40            | -196           | -20 |

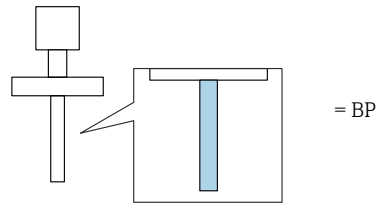
FMR52

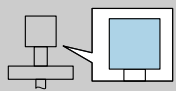


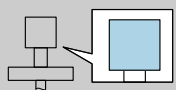
|  = B | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |    |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |    |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -196           | -3 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -196           | -3 |
|  |      | T4             | -196           | 76             | 76             | 76             | 135            | 65             | 135            | -40            | -40            | -40            | -196           | -3 |
|  |      | T3             | -196           | 76             | 76             | 76             | 200            | 54             | 200            | -40            | -40            | -40            | -196           | -3 |

|  = C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -196           | -14 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -196           | -14 |
|  |      | T4             | -196           | 76             | 76             | 76             | 135            | 67             | 135            | -40            | -40            | -40            | -196           | -14 |
|  |      | T3             | -196           | 76             | 76             | 76             | 200            | 58             | 200            | -40            | -40            | -40            | -196           | -14 |

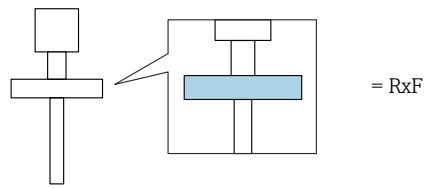
**FMR52**

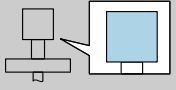


|  = B | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |    |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |    |
|   | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 54             | 85             | -40            | -40            | -40            | -196           | 10 |
|   |      | T5             | -196           | 75             | 75             | 75             | 100            | 69             | 100            | -40            | -40            | -40            | -196           | 10 |
|   |      | T4             | -196           | 76             | 76             | 76             | 135            | 63             | 135            | -40            | -40            | -40            | -196           | 10 |
|   |      | T3             | -196           | 76             | 76             | 76             | 200            | 50             | 200            | -40            | -40            | -40            | -196           | 10 |

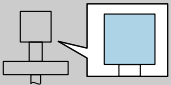
|  = C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |    |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |    |
|   | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -196           | -8 |
|   |      | T5             | -196           | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -196           | -8 |
|   |      | T4             | -196           | 76             | 76             | 76             | 135            | 66             | 135            | -40            | -40            | -40            | -196           | -8 |
|   |      | T3             | -196           | 76             | 76             | 76             | 200            | 55             | 200            | -40            | -40            | -40            | -196           | -8 |

FMR53

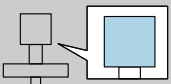


| <br>= B, C | (2)  |    | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|--|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|  |      |    | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|  | E, G | T6 | -40            | 60             | 60             | 60             | 80             | 58             | 80             | -40            | -40            | -40            | -              | -              |

**FMR53**

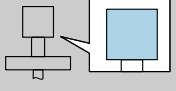
|  = B | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 53             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 68             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 76             | 76             | 76             | 135            | 62             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3 <sup>1)</sup> | -40            | 76             | 76             | 76             | 150            | 58             | 150            | -40            | -40            | -40            | -              | - |

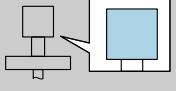
1) Functional: Maximum permissible process temperature

|  = C | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 54             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 69             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 76             | 76             | 76             | 135            | 64             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3 <sup>1)</sup> | -40            | 76             | 76             | 76             | 150            | 62             | 150            | -40            | -40            | -40            | -              | - |

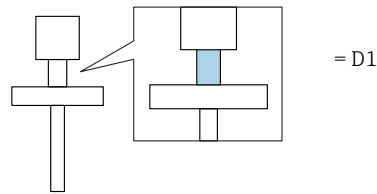
1) Functional: Maximum permissible process temperature

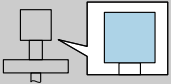
## FMR54

|  = B | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6             | -40            | 60             | 60             | 60             | 85             | 53             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5             | -40            | 75             | 75             | 75             | 100            | 68             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4             | -40            | 76             | 76             | 76             | 135            | 61             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3             | -40            | 76             | 76             | 76             | 200            | 45             | 200            | -40            | -40            | -40            | -              | - |

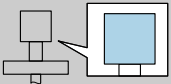
|  = C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6             | -40            | 60             | 60             | 60             | 85             | 54             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5             | -40            | 75             | 75             | 75             | 100            | 69             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4             | -40            | 76             | 76             | 76             | 135            | 64             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3             | -40            | 76             | 76             | 76             | 200            | 51             | 200            | -40            | -40            | -40            | -              | - |

**FMR54**



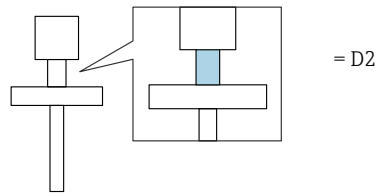
|  = B | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |    |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |    |
|   | E, G | T6               | -196           | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -196           | -4 |
|   |      | T5               | -196           | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -196           | -4 |
|   |      | T4               | -196           | 76             | 76             | 76             | 135            | 65             | 135            | -40            | -40            | -40            | -196           | -4 |
|   |      | T3               | -196           | 76             | 76             | 76             | 200            | 54             | 200            | -40            | -40            | -40            | -196           | -4 |
|   |      | T2 <sup>1)</sup> | -196           | 76             | 76             | 76             | 280            | 41             | 280            | -40            | -40            | -40            | -196           | -4 |

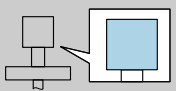
1) Functional: Maximum permissible process temperature

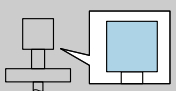
|  = C | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|  | E, G | T6               | -196           | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -196           | -15 |
|  |      | T5               | -196           | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -196           | -15 |
|  |      | T4               | -196           | 76             | 76             | 76             | 135            | 67             | 135            | -40            | -40            | -40            | -196           | -15 |
|  |      | T3               | -196           | 76             | 76             | 76             | 200            | 59             | 200            | -40            | -40            | -40            | -196           | -15 |
|  |      | T2 <sup>1)</sup> | -196           | 76             | 76             | 76             | 280            | 48             | 280            | -40            | -40            | -40            | -196           | -15 |

1) Functional: Maximum permissible process temperature

**FMR54**

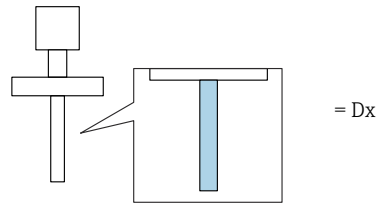


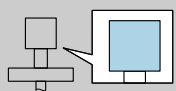
|  = B | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|  | E, G | T6             | -196           | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -196           | -13 |
|  |      | T5             | -196           | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -196           | -13 |
|  |      | T4             | -196           | 76             | 76             | 76             | 135            | 67             | 135            | -40            | -40            | -40            | -196           | -13 |
|  |      | T3             | -196           | 76             | 76             | 76             | 200            | 57             | 200            | -40            | -40            | -40            | -196           | -13 |
|  |      | T2             | -196           | 76             | 76             | 76             | 300            | 43             | 300            | -40            | -40            | -40            | -196           | -13 |

|  = C | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |     |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |     |
|   | E, G | T6               | -196           | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -196           | -19 |
|   |      | T5               | -196           | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -196           | -19 |
|   |      | T4               | -196           | 76             | 76             | 76             | 135            | 69             | 135            | -40            | -40            | -40            | -196           | -19 |
|   |      | T3               | -196           | 76             | 76             | 76             | 200            | 61             | 200            | -40            | -40            | -40            | -196           | -19 |
|   |      | T2               | -196           | 76             | 76             | 76             | 300            | 49             | 300            | -40            | -40            | -40            | -196           | -19 |
|   |      | T1 <sup>1)</sup> | -196           | 76             | 76             | 76             | 400            | 38             | 400            | -40            | -40            | -40            | -196           | -19 |

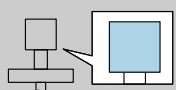
1) Functional: Maximum permissible process temperature

**FMR54**



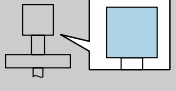
|  = B | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 55             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5               | -40            | 75             | 75             | 75             | 100            | 70             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4               | -40            | 76             | 76             | 76             | 135            | 65             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3 <sup>1)</sup> | -40            | 76             | 76             | 76             | 150            | 62             | 150            | -40            | -40            | -40            | -              | - |

1) Functional: Maximum permissible process temperature

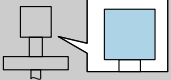
|  = C | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 76             | 76             | 76             | 135            | 67             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3 <sup>1)</sup> | -40            | 76             | 76             | 76             | 150            | 65             | 150            | -40            | -40            | -40            | -              | - |

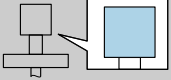
1) Functional: Maximum permissible process temperature

FMR56

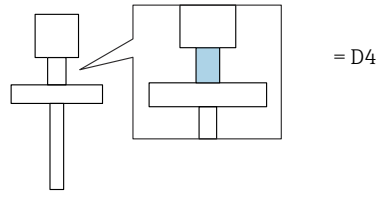
|  = C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6             | -40            | 60             | 60             | 60             | 80             | 58             | 80             | -40            | -40            | -40            | -              | - |

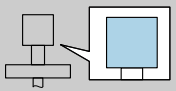
**FMR57**

|  = B | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6             | -40            | 60             | 60             | 60             | 85             | 56             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5             | -40            | 75             | 75             | 75             | 100            | 71             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4             | -40            | 76             | 76             | 76             | 135            | 68             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3             | -40            | 76             | 76             | 76             | 200            | 61             | 200            | -40            | -40            | -40            | -              | - |

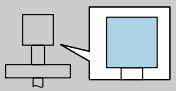
|  = C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | T6             | -40            | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -              | - |
|   |      | T5             | -40            | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -              | - |
|   |      | T4             | -40            | 76             | 76             | 76             | 135            | 70             | 135            | -40            | -40            | -40            | -              | - |
|   |      | T3             | -40            | 76             | 76             | 76             | 200            | 64             | 200            | -40            | -40            | -40            | -              | - |

FMR57



|  = B | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 57             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 72             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 76             | 76             | 76             | 135            | 70             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3               | -40            | 76             | 76             | 76             | 200            | 64             | 200            | -40            | -40            | -40            | -              | - |
|  |      | T2               | -40            | 76             | 76             | 76             | 300            | 55             | 300            | -40            | -40            | -40            | -              | - |
|  |      | T1 <sup>1)</sup> | -40            | 76             | 76             | 76             | 400            | 46             | 400            | -40            | -40            | -40            | -              | - |

1) Functional: Maximum permissible process temperature

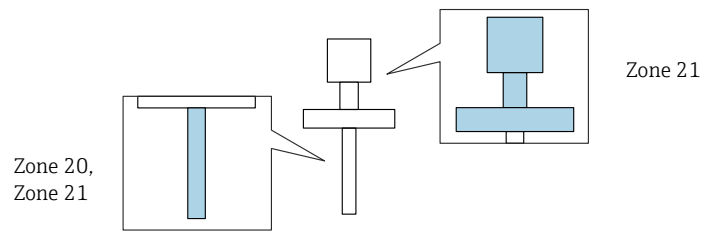
|  = C | (2)  | P1               |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub>   | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | T6               | -40            | 60             | 60             | 60             | 85             | 58             | 85             | -40            | -40            | -40            | -              | - |
|  |      | T5               | -40            | 75             | 75             | 75             | 100            | 73             | 100            | -40            | -40            | -40            | -              | - |
|  |      | T4               | -40            | 76             | 76             | 76             | 135            | 71             | 135            | -40            | -40            | -40            | -              | - |
|  |      | T3               | -40            | 76             | 76             | 76             | 200            | 67             | 200            | -40            | -40            | -40            | -              | - |
|  |      | T2               | -40            | 76             | 76             | 76             | 300            | 60             | 300            | -40            | -40            | -40            | -              | - |
|  |      | T1 <sup>1)</sup> | -40            | 76             | 76             | 76             | 400            | 52             | 400            | -40            | -40            | -40            | -              | - |

1) Functional: Maximum permissible process temperature

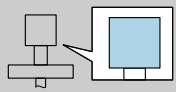
**Zone 20, Zone 21: 1 channel**    *Position 3 = E, G: 1 channel used*

Page references to the temperature tables of the respective device types: See the following list.

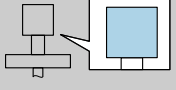
- FMR50 → 37
- FMR51 → 38
- FMR52 → 39
- FMR53 → 40
- FMR54 → 41
- FMR56 → 43
- FMR57 → 44



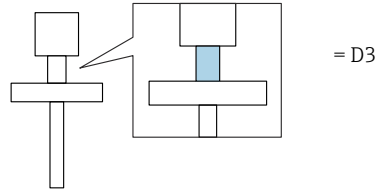
**FMR50**

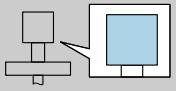
|  = C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | 80             | -40            | 80             | 80             | 80             | 80             | 80             | -40            | -40            | -40            | -              | -              |

**FMR51**

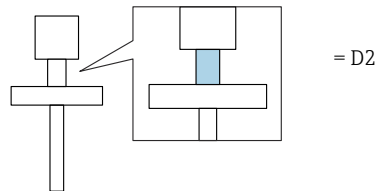
|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 69             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 150            | -40            | 80             | 80             | 80             | 150            | 66             | 150            | -40            | -40            | -40            | -              | - |

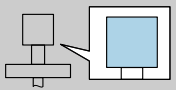
**FMR51**



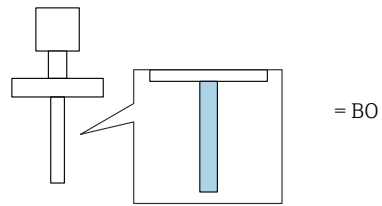
|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 75             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 200            | -40            | 80             | 80             | 80             | 200            | 68             | 200            | -40            | -40            | -40            | -              | - |
|   |      | 250            | -40            | 80             | 80             | 80             | 250            | 63             | 250            | -40            | -40            | -40            | -              | - |

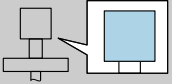
**FMR51**



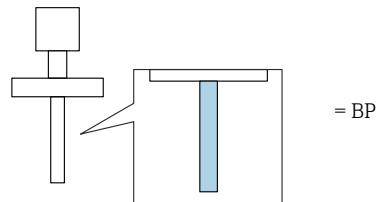
|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 73             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 200            | -40            | 80             | 80             | 80             | 200            | 64             | 200            | -40            | -40            | -40            | -              | - |
|   |      | 300            | -40            | 80             | 80             | 80             | 300            | 50             | 300            | -40            | -40            | -40            | -              | - |

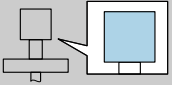
**FMR52**



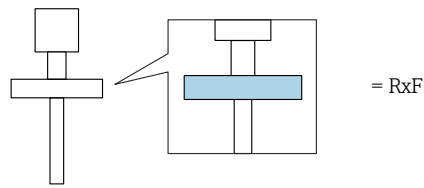
|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 71             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 80             | 80             | 80             | 200            | 60             | 200            | -40            | -40            | -40            | -              | - |

**FMR52**



|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 69             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 80             | 80             | 80             | 200            | 56             | 200            | -40            | -40            | -40            | -              | - |

FMR53

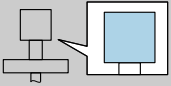


| = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|--------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|        |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|        | E, G | 80             | -40            | 80             | 80             | 80             | 80             | 80             | -40            | -40            | -40            | -              | -              |

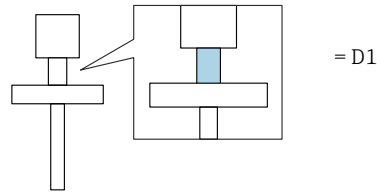
FMR53

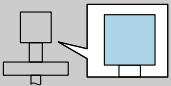
| = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|        |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|        | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 68             | 135            | -40            | -40            | -40            | -              | - |
|        |      | 150            | -40            | 80             | 80             | 80             | 150            | 65             | 150            | -40            | -40            | -40            | -              | - |

**FMR54**

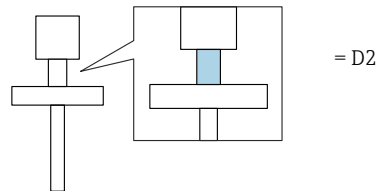
|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 67             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 80             | 80             | 80             | 200            | 52             | 200            | -40            | -40            | -40            | -              | - |

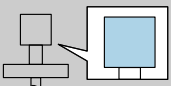
**FMR54**



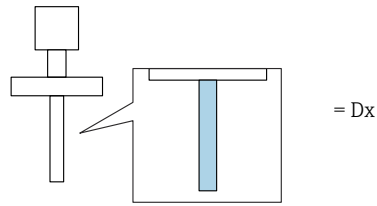
|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 71             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 80             | 80             | 80             | 200            | 60             | 200            | -40            | -40            | -40            | -              | - |
|  |      | 280            | -40            | 80             | 80             | 80             | 280            | 46             | 280            | -40            | -40            | -40            | -              | - |

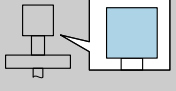
**FMR54**



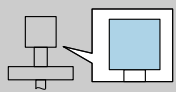
|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 73             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 80             | 80             | 80             | 200            | 63             | 200            | -40            | -40            | -40            | -              | - |
|  |      | 300            | -40            | 80             | 80             | 80             | 300            | 48             | 300            | -40            | -40            | -40            | -              | - |
|  |      | 400            | -40            | 80             | 80             | 80             | 400            | 31             | 400            | -40            | -40            | -40            | -              | - |

**FMR54**

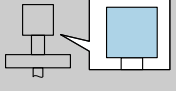


|  = B, C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 80             | 80             | 80             | 135            | 71             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 150            | -40            | 80             | 80             | 80             | 150            | 68             | 150            | -40            | -40            | -40            | -              | - |

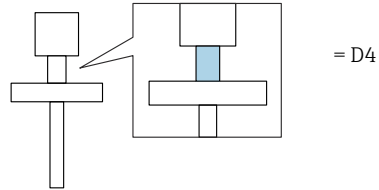
**FMR56**

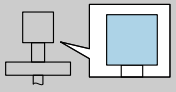
|  = C | (1)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | 80             | -40            | 80             | 80             | 80             | 80             | 80             | -40            | -40            | -40            | -              | -              |

FMR57

|  = B, C | (1)  | P1             |                |    | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----------------|----------------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      | T <sub>p</sub> | T <sub>a</sub> |    | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | 135            | -40            | 80 | 80             | 80             | 135            | 74             | 135            | -40            | -40            | -40            | -              | -              |
|   |      | 200            | -40            | 80 | 80             | 80             | 200            | 66             | 200            | -40            | -40            | -40            | -              | -              |

FMR57



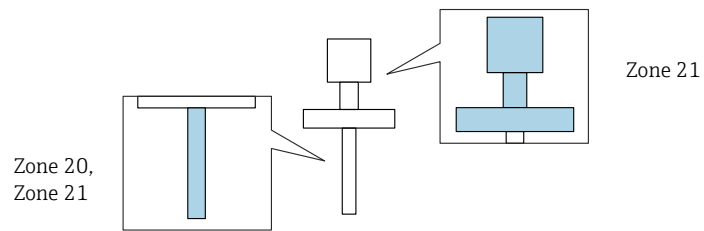
|  = B, C | (1)  | P1             |                |    | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----------------|----------------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      | T <sub>p</sub> | T <sub>a</sub> |    | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | 135            | -40            | 80 | 80             | 80             | 135            | 76             | 135            | -40            | -40            | -40            | -              | -              |
|   |      | 200            | -40            | 80 | 80             | 80             | 200            | 70             | 200            | -40            | -40            | -40            | -              | -              |
|   |      | 300            | -40            | 80 | 80             | 80             | 300            | 61             | 300            | -40            | -40            | -40            | -              | -              |
|   |      | 400            | -40            | 80 | 80             | 80             | 400            | 51             | 400            | -40            | -40            | -40            | -              | -              |

**Zone 20, Zone 21:  
2 channels**

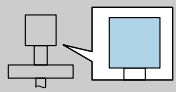
Position 3 = E, G: 2 channels used

Page references to the temperature tables of the respective device types: See the following list.

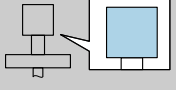
- FMR50 → 45
- FMR51 → 46
- FMR52 → 47
- FMR53 → 48
- FMR54 → 49
- FMR56 → 51
- FMR57 → 52



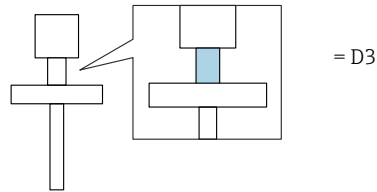
**FMR50**

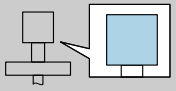
|  = C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | 76             | -40            | 76             | 76             | 76             | 76             | 76             | -40            | -40            | -40            | -              | -              |

**FMR51**

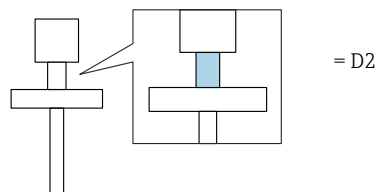
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 63             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 150            | -40            | 76             | 76             | 76             | 150            | 60             | 150            | -40            | -40            | -40            | -              | - |

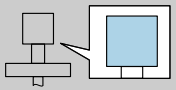
**FMR51**



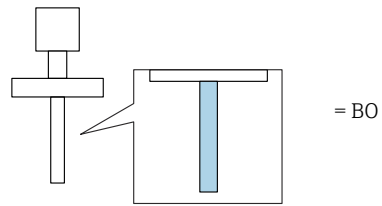
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 69             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 200            | -40            | 76             | 76             | 76             | 200            | 62             | 200            | -40            | -40            | -40            | -              | - |
|   |      | 250            | -40            | 76             | 76             | 76             | 250            | 57             | 250            | -40            | -40            | -40            | -              | - |

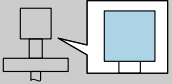
**FMR51**



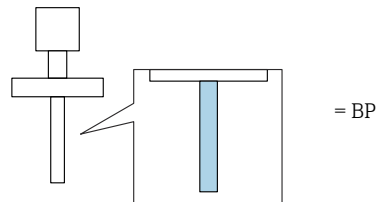
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 67             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 200            | -40            | 76             | 76             | 76             | 200            | 59             | 200            | -40            | -40            | -40            | -              | - |
|   |      | 300            | -40            | 76             | 76             | 76             | 300            | 45             | 300            | -40            | -40            | -40            | -              | - |

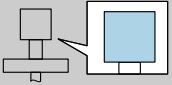
**FMR52**



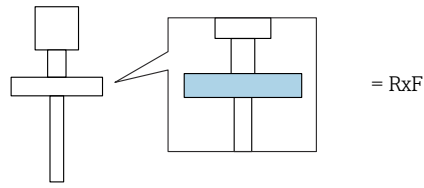
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 65             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 76             | 76             | 76             | 200            | 54             | 200            | -40            | -40            | -40            | -              | - |

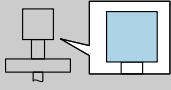
**FMR52**



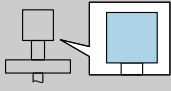
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 63             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 76             | 76             | 76             | 200            | 50             | 200            | -40            | -40            | -40            | -              | - |

FMR53

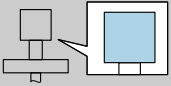


|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |
|   | E, G | 76             | -40            | 76             | 76             | 76             | 76             | 76             | -40            | -40            | -40            | -              | -              |

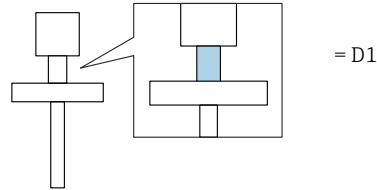
FMR53

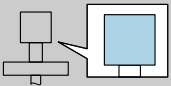
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 62             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 150            | -40            | 76             | 76             | 76             | 150            | 58             | 150            | -40            | -40            | -40            | -              | - |

**FMR54**

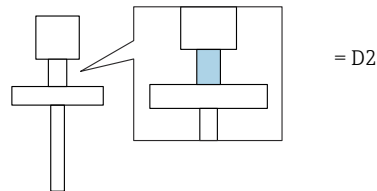
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 61             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 76             | 76             | 76             | 200            | 45             | 200            | -40            | -40            | -40            | -              | - |

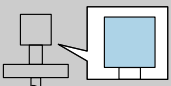
**FMR54**



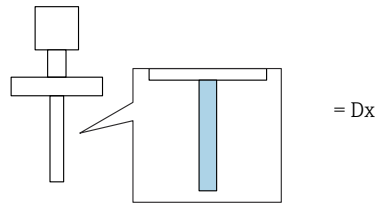
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 65             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 76             | 76             | 76             | 200            | 54             | 200            | -40            | -40            | -40            | -              | - |
|  |      | 280            | -40            | 76             | 76             | 76             | 280            | 41             | 280            | -40            | -40            | -40            | -              | - |

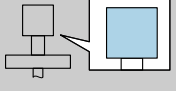
**FMR54**



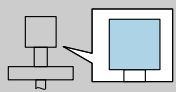
|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 67             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 76             | 76             | 76             | 200            | 57             | 200            | -40            | -40            | -40            | -              | - |
|  |      | 300            | -40            | 76             | 76             | 76             | 300            | 43             | 300            | -40            | -40            | -40            | -              | - |

**FMR54**

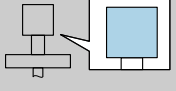


|  = B, C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 65             | 135            | -40            | -40            | -40            | -              | - |
|   |      | 150            | -40            | 76             | 76             | 76             | 150            | 62             | 150            | -40            | -40            | -40            | -              | - |

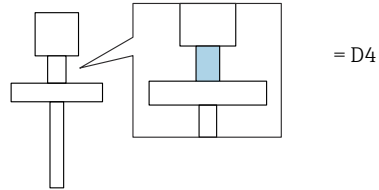
**FMR56**

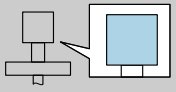
|  = C | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|---|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|   |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|   | E, G | 76             | -40            | 76             | 76             | 76             | 76             | 76             | 76             | -40            | -40            | -40            | -              | - |

**FMR57**

|  | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 68             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 76             | 76             | 76             | 200            | 61             | 200            | -40            | -40            | -40            | -              | - |

**FMR57**



|  | (2)  | P1             |                | P2             |                | P3             |                | P4             |                | P5             |                | P6             |                |   |
|--|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
|  |      | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> | T <sub>p</sub> | T <sub>a</sub> |   |
|  | E, G | 135            | -40            | 76             | 76             | 76             | 135            | 70             | 135            | -40            | -40            | -40            | -              | - |
|  |      | 200            | -40            | 76             | 76             | 76             | 200            | 64             | 200            | -40            | -40            | -40            | -              | - |
|  |      | 300            | -40            | 76             | 76             | 76             | 300            | 55             | 300            | -40            | -40            | -40            | -              | - |
|  |      | 400            | -40            | 76             | 76             | 76             | 400            | 46             | 400            | -40            | -40            | -40            | -              | - |

---

---

---



[www.addresses.endress.com](http://www.addresses.endress.com)

---