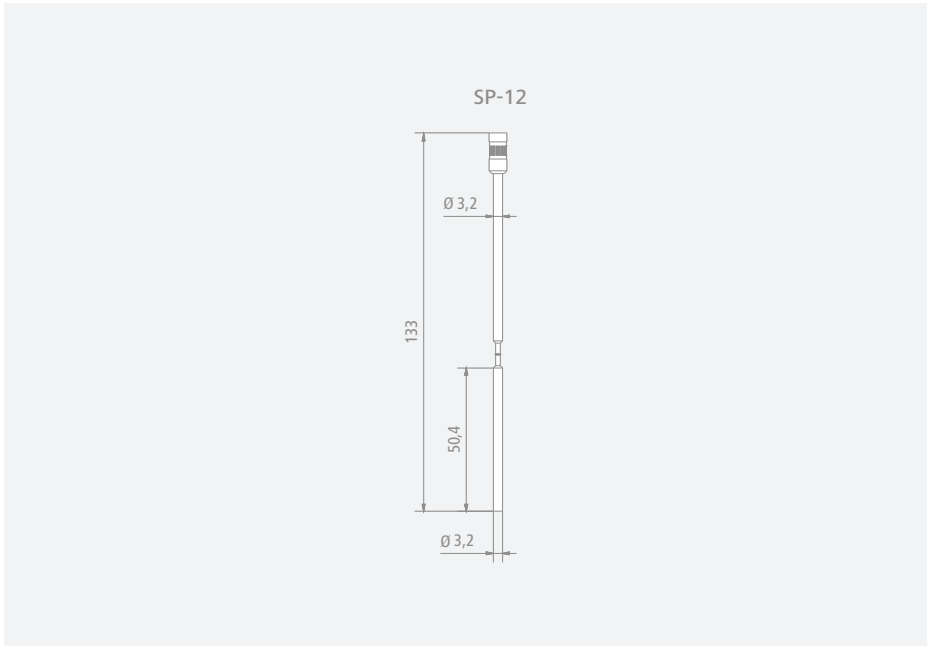




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**SP-12**

/// Spindle dimensions (mm)



/// Full-scale range based on speed: 1... 200 rpm

| Spindle    | lo-vi      |            | me-vi      |            | hi-vi I    |            | hi-vi II   |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|            | <i>M%</i>  |            | <i>M%</i>  |            | <i>M%</i>  |            | <i>M%</i>  |            |
|            | <i>100</i> | <i>100</i> | <i>100</i> | <i>100</i> | <i>100</i> | <i>100</i> | <i>100</i> | <i>100</i> |
|            | Min.       | Max.       | Min.       | Max.       | Min.       | Max.       | Min.       | Max.       |
| SP-12      | 1874.6     | 374920     | 20000.0    | 4000000.0  | 40000.0    | 8000000    | 160000     | 32000000   |
| <i>rpm</i> | <i>200</i> | <i>1</i>   | <i>200</i> | <i>1</i>   | <i>200</i> | <i>1</i>   | <i>200</i> | <i>1</i>   |

/// Measuring range base on speed: 0.1... 100 rpm

| Spindle    | lo-vi      |            | me-vi      |            | hi-vi I    |            | hi-vi II   |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|            | <i>M%</i>  |            | <i>M%</i>  |            | <i>M%</i>  |            | <i>M%</i>  |            |
|            | <i>10</i>  | <i>100</i> | <i>10</i>  | <i>100</i> | <i>10</i>  | <i>100</i> | <i>10</i>  | <i>100</i> |
|            | Min.       | Max.       | Min.       | Max.       | Min.       | Max.       | Min.       | Max.       |
| SP-12      | 374.9      | 3749200    | 4000.0     | 40000000.0 | 8000.0     | 80000000   | 32000      | 320000000  |
| <i>rpm</i> | <i>100</i> | <i>0.1</i> | <i>100</i> | <i>0.1</i> | <i>100</i> | <i>0.1</i> | <i>100</i> | <i>0.1</i> |



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