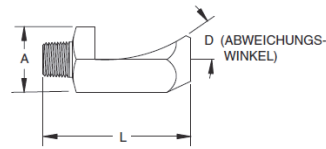


# Gewindedüsen – Flachstrahldüsen Serie FP



## SPRÜHMERKMALE:

Ein flacher, dünner und fächerförmiger Sprühstrahl mit scharf definierten Rändern.  
Dieser Sprühstrahl deckt den erfassten Bereich mit hoher Aufprallkraft ab. Der Sprühstrahl wird im Winkel D von der Sprühdüsen-Mittelachse abgelenkt.

## AUSFÜHRUNG:

Die aufgeführten Düsentypen sind einteilig aus Stangenmaterial gefertigt. Standardmaterialien sind Messing und Edelstahl (303 und 316).

| Sprühwinkel @3 bar                  | Modell                              | Gewinde                            | Öffnungs-Durchmesser (mm) | Winkel D @ 3 bar | Abmessungen (mm) |          | Durchfluss (l/min) bei verschiedenen Drücken (bar) |         |       |         |       |       |       |       | Sprühwinkel @ bar |       |       |     |
|-------------------------------------|-------------------------------------|------------------------------------|---------------------------|------------------|------------------|----------|--|---------|-------|---------|-------|-------|-------|-------|-------------------|-------|-------|-----|
|                                     |                                     |                                    |                           |                  | A                | L        | 1 bar  | 1.5 bar | 2 bar | 2.5 bar | 3 bar | 4 bar | 5 bar | 6 bar | 1 bar             | 3 bar | 5 bar |     |
| 50°                                 | <sup>1</sup> / <sub>8</sub> FP5001  | 1/8                                | 0.61                      | 40°              | 17 Hex           | 21.1     | 0.23   | 0.28    | 0.32  | 0.36    | 0.39  | 0.46  | 0.51  | 0.56  | 30°               | 50°   | 58°   |     |
|                                     | <sup>1</sup> / <sub>4</sub> FP50025 | 1/4                                | 0.97                      | 41°              | 17 Hex           | 27.3     | 0.57   | 0.7     | 0.81  | 0.9     | 0.99  | 1.14  | 1.27  | 1.4   | 29°               | 50°   | 57°   |     |
|                                     | <sup>1</sup> / <sub>4</sub> FP5005  | 1/4                                | 1.35                      | 41°              | 17 Hex           | 28.3     | 1.14   | 1.4     | 1.61  | 1.8     | 1.97  | 2.28  | 2.55  | 2.79  | 30°               | 50°   | 59°   |     |
|                                     | <sup>1</sup> / <sub>4</sub> FP5010  | 1/4                                | 1.91                      | 52°              | 17 Hex           | 31.8     | 2.28   | 2.79    | 3.2   | 3.6     | 3.9   | 4.6   | 5.1   | 5.6   | 32°               | 50°   | 59°   |     |
|                                     | <sup>1</sup> / <sub>4</sub> FP5025  | 1/4                                | 3                         | 40°              | 17 Hex           | 33.3     | 5.7  | 7       | 8.1   | 9       | 9.9   | 11.4  | 12.7  | 14    | 41°               | 50°   | 58°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP5025  | 3/8                                | 3                         | 40°              | 17 Hex           | 34.9     | 5.7  | 7       | 8.1   | 9       | 9.9   | 11.4  | 12.7  | 14    | 41°               | 50°   | 58°   |     |
|                                     | <sup>1</sup> / <sub>4</sub> FP5040  | 1/4                                | 3.78                      | 45°              | 22 Hex           | 47.7     | 9.1  | 11.2    | 12.9  | 14.4    | 15.8  | 18.2  | 20.4  | 22.3  | 42°               | 50°   | 59°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP5040  | 3/8                                | 3.78                      | 44°              | 22 Hex           | 48.4     | 9.1  | 11.2    | 12.9  | 14.4    | 15.8  | 18.2  | 20.4  | 22.3  | 40°               | 50°   | 59°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP5060  | 3/8                                | 4.65                      | 40°              | 22 Hex           | 55.5     | 13.7   | 16.7    | 19.3  | 21.6    | 23.7  | 27.3  | 30.6  | 33    | 41°               | 50°   | 52°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP50100 | 3/8                                | 5.99                      | 38°              | 31.8 Hex         | 69.9     | 22.8   | 27.9    | 32    | 36      | 39    | 46    | 51    | 56    | 44°               | 50°   | 54°   |     |
| 40°                                 | <sup>3</sup> / <sub>8</sub> FP50125 | 3/8                                | 6.76                      | 34°              | 31.8 Hex         | 65.3     | 28.5   | 35      | 40    | 45      | 49    | 57    | 64    | 70    | 39°               | 50°   | 57°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP50160 | 3/8                                | 7.57                      | 37°              | 31.8 Hex         | 67.8     | 36   | 45      | 52    | 58      | 63    | 73    | 82    | 89    | 46°               | 50°   | 55°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP50200 | 3/8                                | 8.33                      | 33°              | 34.9 Hex         | 73       | 46   | 56      | 64    | 72      | 79    | 91    | 102   | 112   | 47°               | 50°   | 55°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP4040  | 3/8                                | 3.78                      | 34°              | 22 Hex           | 53.1     | 9.1  | 11.2    | 12.9  | 14.4    | 15.8  | 18.2  | 20.4  | 22.3  | 29°               | 40°   | 48°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP4050  | 3/8                                | 4.24                      | 32°              | 31.8 Hex         | 56.9     | 11.4   | 14      | 16.1  | 18      | 19.7  | 22.8  | 25.5  | 27.9  | 30°               | 40°   | 47°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP4060  | 3/8                                | 4.65                      | 31°              | 28.6 Hex         | 72.2     | 13.7   | 16.7    | 19.3  | 21.6    | 23.7  | 27.3  | 30.6  | 33    | 31°               | 40°   | 50°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP4070  | 3/8                                | 5                         | 28°              | 31.8 Hex         | 71.9     | 16   | 19.5    | 22.6  | 25.2    | 27.6  | 32    | 36    | 39    | 33°               | 40°   | 50°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP4080  | 3/8                                | 5.36                      | 28°              | 31.8 Hex         | 71.9     | 18.2   | 22.3    | 25.8  | 28.8    | 32    | 36    | 41    | 45    | 33°               | 40°   | 48°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP4090  | 3/8                                | 5.79                      | 28°              | 31.8 Hex         | 71.9     | 20.5   | 25.1    | 29    | 32      | 36    | 41    | 46    | 50    | 34°               | 40°   | 46°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP40100 | 3/8                                | 5.99                      | 31°              | 31.8 Hex         | 74.6     | 22.8   | 27.9    | 32    | 36      | 39    | 46    | 51    | 56    | 34°               | 40°   | 46°   |     |
| 35°                                 | <sup>1</sup> / <sub>8</sub> FP3504  | 1/8                                | 1.19                      | 36°              | 11 Hex           | 49.2     | 0.91   | 1.12    | 1.29  | 1.44    | 1.58  | 1.82  | 2.04  | 2.23  | 20°               | 35°   | 41°   |     |
|                                     | <sup>1</sup> / <sub>4</sub> FP3510  | 1/4                                | 1.91                      | 37°              | 17 Hex           | 36.5     | 2.28   | 2.79    | 3.2   | 3.6     | 3.9   | 4.6   | 5.1   | 5.6   | 18°               | 35°   | 38°   |     |
|                                     | <sup>1</sup> / <sub>4</sub> FP3520  | 1/4                                | 2.67                      | 30°              | 17 Hex           | 39.4     | 4.6  | 5.6     | 6.4   | 7.2     | 7.9   | 9.1   | 10.2  | 11.2  | 25°               | 35°   | 42°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP3520  | 3/8                                | 2.67                      | 32°              | 17 Hex           | 40.2     | 4.6  | 5.6     | 6.4   | 7.2     | 7.9   | 9.1   | 10.2  | 11.2  | 25°               | 35°   | 41°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP3525  | 3/8                                | 2.97                      | 29°              | 17 Hex           | 50.8     | 5.7  | 7       | 8.1   | 9       | 9.9   | 11.4  | 12.7  | 14    | 24°               | 35°   | 41°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP3530  | 3/8                                | 3.25                      | 28°              | 22 Hex           | 54.2     | 6.8  | 8.4     | 9.7   | 10.8    | 11.8  | 13.7  | 15.3  | 16.7  | 25°               | 35°   | 42°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP3540  | 3/8                                | 3.78                      | 31°              | 22 Hex           | 60.4     | 9.1  | 11.2    | 12.9  | 14.4    | 15.8  | 18.2  | 20.4  | 22.3  | 29°               | 35°   | 42°   |     |
|                                     | <sup>3</sup> / <sub>8</sub> FP3550  | 3/8                                | 4.24                      | 26°              | 25.4 Hex         | 63.5     | 11.4   | 14      | 16.1  | 18      | 19.7  | 22.8  | 25.5  | 27.9  | 30°               | 35°   | 40°   |     |
|                                     | <sup>1</sup> / <sub>2</sub> FP3560  | 1/2                                | 4.65                      | 29°              | 27 Hex           | 73       | 13.7   | 16.7    | 19.3  | 21.6    | 23.7  | 27.3  | 30.6  | 33    | 27°               | 35°   | 40°   |     |
|                                     | <sup>1</sup> / <sub>2</sub> FP3580  | 1/2                                | 5.36                      | 22°              | 31.8 Hex         | 79.9     | 18.2   | 22.3    | 25.8  | 28.8    | 31.6  | 36.5  | 40.8  | 44.7  | 25°               | 35°   | 38°   |     |
| 25°                                 | <sup>1</sup> / <sub>2</sub> FP35100 | 1/2                                | 5.61                      | 24°              | 31.8 Hex         | 88.9     | 22.8   | 27.9    | 32    | 36      | 39    | 46    | 51    | 56    | 25°               | 35°   | 40°   |     |
|                                     | <sup>3</sup> / <sub>4</sub> FP35160 | 3/4                                | 7.49                      | 22°              | 31.8 Hex         | 117      | 36   | 45      | 52    | 58      | 63    | 73    | 82    | 89    | 26°               | 35°   | 39°   |     |
|                                     | <sup>3</sup> / <sub>4</sub> FP35200 | 3/4                                | 8.46                      | 24°              | 31.8 Hex         | 110      | 46   | 56      | 64    | 72      | 79    | 91    | 102   | 112   | 31°               | 35°   | 42°   |     |
|                                     | <sup>1</sup> / <sub>4</sub> FP2540  | 1/4                                | 3.78                      | 24°              | 22 Hex           | 68.2     | 9.1  | 11.2    | 12.9  | 14.4    | 15.8  | 18.2  | 20.4  | 22.3  | 22°               | 25°   | 27°   |     |
|                                     | 15°                                 | <sup>1</sup> / <sub>4</sub> FP1510 | 1/4                       | 1.91             | 22°              | 17 Hex   | 49   | 2.28    | 2.79  | 3.2     | 3.6   | 3.9   | 4.6   | 5.1   | 5.6               | --    | 15°   | 21° |
|                                     |                                     | <sup>1</sup> / <sub>4</sub> FP1520 | 1/4                       | 2.67             | 16°              | 17 Hex   | 57.2   | 4.6     | 5.6   | 6.4     | 7.2   | 7.9   | 9.1   | 10.2  | 11.2              | --    | 15°   | 18° |
|                                     |                                     | <sup>3</sup> / <sub>8</sub> FP1530 | 3/8                       | 3.28             | 20°              | 22 Hex   | 73.4   | 6.8     | 8.4   | 9.7     | 10.8  | 11.8  | 13.7  | 15.3  | 16.7              | 8°    | 15°   | 24° |
|                                     |                                     | <sup>3</sup> / <sub>8</sub> FP1540 | 3/8                       | 3.78             | 13°              | 22 Hex   | 95.3   | 9.1     | 11.2  | 12.9    | 14.4  | 15.8  | 18.2  | 20.4  | 22.3              | 8°    | 15°   | 20° |
|                                     |                                     | <sup>3</sup> / <sub>8</sub> FP1550 | 3/8                       | 4.24             | 14°              | 22 Hex   | 92.1   | 11.4    | 14    | 16.1    | 18    | 19.7  | 22.8  | 25.5  | 27.9              | 8°    | 15°   | 22° |
|                                     |                                     | <sup>1</sup> / <sub>2</sub> FP1560 | 1/2                       | 4.65             | 14°              | 25.4 Hex | 112  | 13.7    | 16.7  | 19.3    | 21.6  | 23.7  | 27.3  | 30.6  | 33                | 11°   | 15°   | 18° |
| <sup>1</sup> / <sub>2</sub> FP1580  |                                     | 1/2                                | 5.54                      | 14°              | 28.6 Hex         | 130      | 18.2   | 22.3    | 25.8  | 28.8    | 32    | 36    | 41    | 45    | 11°               | 15°   | 18°   |     |
| <sup>1</sup> / <sub>2</sub> FP15100 |                                     | 1/2                                | 5.99                      | 15°              | 28.6 Hex         | 138      | 22.8   | 27.9    | 32    | 36      | 39    | 46    | 51    | 56    | 11°               | 15°   | 17°   |     |
| <sup>3</sup> / <sub>4</sub> FP15200 |                                     | 3/4                                | 8.46                      | 15°              | 38.1 Hex         | 190      | 46   | 56      | 64    | 72      | 79    | 91    | 102   | 112   | 11°               | 15°   | 17°   |     |
| <sup>3</sup> / <sub>4</sub> FP15300 |                                     | 3/4                                | 10.36                     | 15°              | 44.5 Hex         | 191      | 68   | 84      | 97    | 108     | 118   | 137   | 153   | 167   | 12°               | 15°   | 18°   |     |