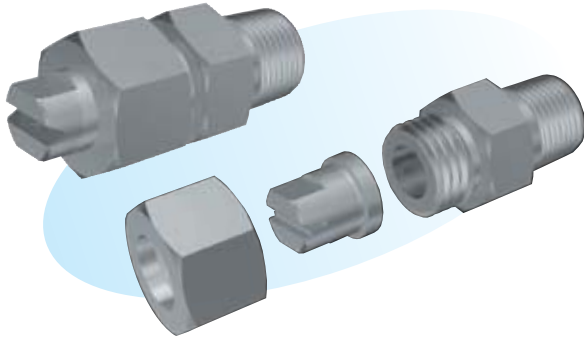


Flat Spray Nozzle Separate type



Features

- Interchangeable spray tips.
- KSAM type is easy to align by welding nozzle adapters to a header.

Applications

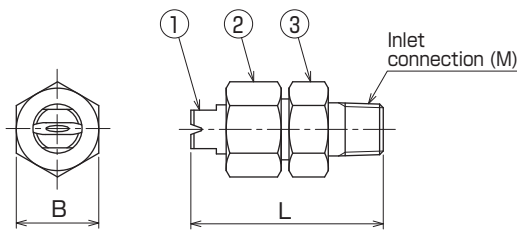
- Washing/rinsing of filters, machines, tanks, etc.
- Dispersion/irrigation of liquid, oil, etc.
- Cooling/quenching of steel plates, rolling mill, etc.

Materials

- Thread type : 303 Stainless steel, Brass
 - Welding type : Nozzle tip : 303 Stainless steel, Brass
Adapter : 304 Stainless steel
- Other materials available upon request.

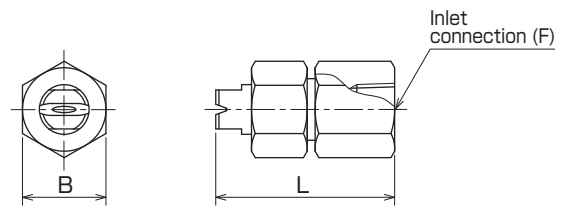
Shapes and dimensions

● KSA, Male connection type



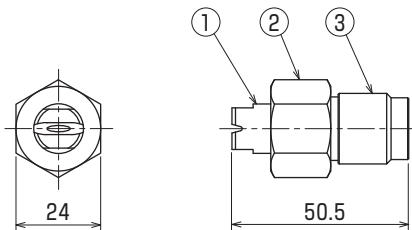
| Model | Dimension [mm] | | Connecting thread | Weight [g] |
|---------|----------------|----|-------------------|------------|
| | B | L | | |
| 1/4 KSA | 21 | 49 | R1/4 | 70 |
| 3/8 KSA | 21 | 49 | R3/8 | 70 |
| 1/2 KSA | 26 | 66 | R1/2 | 140 |
| 3/4 KSA | 35 | 86 | R3/4 | 320 |

● KSA, Female connection type



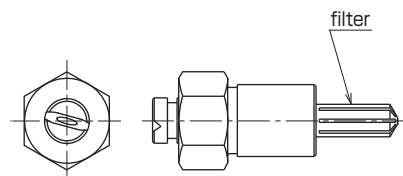
| No. | Part name | Model | Dimension [mm] | | Connecting thread | Weight [g] |
|-----|------------|---------|----------------|----|-------------------|------------|
| | | | B | L | | |
| 1 | Nozzle tip | 1/4 KSA | 21 | 45 | Rc 1/4 | 75 |
| 2 | Cap | 3/8 KSA | 21 | 45 | Rc 3/8 | 65 |
| 3 | Adapter | 1/2 KSA | 26 | 56 | Rc 1/2 | 160 |
| | | 3/4 KSA | 35 | 70 | Rc 3/4 | 360 |

● KSAM, Welding type



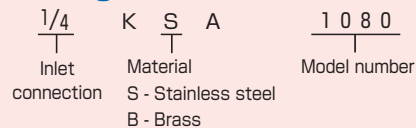
| Model | Weight [g] |
|-------|------------|
| KSAM | 100 |

● KSAM, Welding type with filter



* NPT thread is also available.

● Model and Model Number representing



● Standard type model number list

● Model availability

| Inlet connection | Model | | Model number | Minimum orifice diameter [mm] | Flow rate [L/min] at following pressure [MPa] | | | | | | | | Spray angle at following pressure [MPa] | | | | | |
|------------------|--------------------|----------------------|--------------|-------------------------------|---|------|------|------|------|------|------|------|---|-----|-----|-----|-----|-----|
| | Thread type KSA | Welding type KSAM | | | 0.05 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.0 | 1.5 | 0.1 | 0.2 | 0.3 | 0.5 | 1.0 | 1.5 |
| | | | | | | | | | | | | | | | | | | |
| 1/4 3/8 | ● | ● | 00615 | 0.7 | 0.24 | 0.35 | 0.49 | 0.60 | 0.77 | 0.92 | 1.10 | 1.34 | 5° | 11° | 15° | 17° | 19° | 19° |
| | ● | ● | 00625 | 0.7 | 0.24 | 0.35 | 0.49 | 0.60 | 0.77 | 0.92 | 1.10 | 1.34 | 13° | 21° | 25° | 28° | 30° | 30° |
| | ● | ● | 00640 | 0.6 | 0.24 | 0.35 | 0.49 | 0.60 | 0.77 | 0.92 | 1.10 | 1.34 | 26° | 35° | 40° | 44° | 46° | 46° |
| | ● | ● | 00650 | 0.5 | 0.24 | 0.35 | 0.49 | 0.60 | 0.77 | 0.92 | 1.10 | 1.34 | 35° | 45° | 50° | 54° | 57° | 57° |
| | ● | ● | 00665 | 0.5 | 0.24 | 0.35 | 0.49 | 0.60 | 0.77 | 0.92 | 1.10 | 1.34 | 48° | 59° | 65° | 70° | 73° | 73° |
| | ● | ● | 00680 | 0.4 | 0.24 | 0.35 | 0.49 | 0.60 | 0.77 | 0.92 | 1.10 | 1.34 | 62° | 73° | 80° | 85° | 88° | 88° |
| | ● | ● | 00815 | 0.8 | 0.33 | 0.46 | 0.65 | 0.80 | 1.03 | 1.22 | 1.46 | 1.79 | 7° | 12° | 15° | 17° | 19° | 19° |
| | ● | ● | 00825 | 0.8 | 0.33 | 0.46 | 0.65 | 0.80 | 1.03 | 1.22 | 1.46 | 1.79 | 14° | 21° | 25° | 28° | 30° | 30° |
| | ● | ● | 00840 | 0.7 | 0.33 | 0.46 | 0.65 | 0.80 | 1.03 | 1.22 | 1.46 | 1.79 | 27° | 35° | 40° | 44° | 46° | 46° |
| | ● | ● | 00850 | 0.6 | 0.33 | 0.46 | 0.65 | 0.80 | 1.03 | 1.22 | 1.46 | 1.79 | 36° | 45° | 50° | 54° | 57° | 57° |
| | ● | ● | 00865 | 0.5 | 0.33 | 0.46 | 0.65 | 0.80 | 1.03 | 1.22 | 1.46 | 1.79 | 49° | 59° | 65° | 70° | 73° | 73° |
| | ● | ● | 00880 | 0.5 | 0.33 | 0.46 | 0.65 | 0.80 | 1.03 | 1.22 | 1.46 | 1.79 | 64° | 74° | 80° | 85° | 88° | 88° |
| | ● | ● | 0115 | 0.9 | 0.41 | 0.58 | 0.82 | 1.00 | 1.29 | 1.53 | 1.83 | 2.2 | 7° | 12° | 15° | 17° | 19° | 19° |
| | ● | ● | 0125 | 0.9 | 0.41 | 0.58 | 0.82 | 1.00 | 1.29 | 1.53 | 1.83 | 2.2 | 14° | 21° | 25° | 28° | 30° | 30° |
| | ● | ● | 0140 | 0.8 | 0.41 | 0.58 | 0.82 | 1.00 | 1.29 | 1.53 | 1.83 | 2.2 | 27° | 36° | 40° | 44° | 46° | 46° |
| | ● | ● | 0150 | 0.7 | 0.41 | 0.58 | 0.82 | 1.00 | 1.29 | 1.53 | 1.83 | 2.2 | 36° | 45° | 50° | 54° | 57° | 57° |
| | ● | ● | 0165 | 0.7 | 0.41 | 0.58 | 0.82 | 1.00 | 1.29 | 1.53 | 1.83 | 2.2 | 49° | 59° | 65° | 70° | 73° | 73° |
| | ● | ● | 0180 | 0.6 | 0.41 | 0.58 | 0.82 | 1.00 | 1.29 | 1.53 | 1.83 | 2.2 | 64° | 74° | 80° | 85° | 88° | 88° |
| | ● | ● | 01515 | 1.1 | 0.61 | 0.87 | 1.22 | 1.50 | 1.94 | 2.3 | 2.7 | 3.4 | 9° | 13° | 15° | 17° | 19° | 19° |
| | ● | ● | 01525 | 1.0 | 0.61 | 0.87 | 1.22 | 1.50 | 1.94 | 2.3 | 2.7 | 3.4 | 14° | 21° | 25° | 28° | 30° | 30° |
| | ● | ● | 01540 | 0.9 | 0.61 | 0.87 | 1.22 | 1.50 | 1.94 | 2.3 | 2.7 | 3.4 | 28° | 36° | 40° | 44° | 46° | 46° |
| | ● | ● | 01550 | 0.8 | 0.61 | 0.87 | 1.22 | 1.50 | 1.94 | 2.3 | 2.7 | 3.4 | 36° | 45° | 50° | 54° | 57° | 57° |
| | ● | ● | 01565 | 0.7 | 0.61 | 0.87 | 1.22 | 1.50 | 1.94 | 2.3 | 2.7 | 3.4 | 50° | 59° | 65° | 70° | 73° | 73° |
| | ● | ● | 01580 | 0.6 | 0.61 | 0.87 | 1.22 | 1.50 | 1.94 | 2.3 | 2.7 | 3.4 | 65° | 74° | 80° | 85° | 88° | 88° |
| | ● | ● | 0215 | 1.3 | 0.82 | 1.15 | 1.63 | 2.0 | 2.6 | 3.1 | 3.7 | 4.5 | 9° | 13° | 15° | 17° | 19° | 19° |
| | ● | ● | 0225 | 1.2 | 0.82 | 1.15 | 1.63 | 2.0 | 2.6 | 3.1 | 3.7 | 4.5 | 14° | 21° | 25° | 28° | 30° | 30° |
| | ● | ● | 0240 | 1.1 | 0.82 | 1.15 | 1.63 | 2.0 | 2.6 | 3.1 | 3.7 | 4.5 | 28° | 36° | 40° | 44° | 46° | 46° |
| | ● | ● | 0250 | 1.0 | 0.82 | 1.15 | 1.63 | 2.0 | 2.6 | 3.1 | 3.7 | 4.5 | 38° | 46° | 50° | 54° | 57° | 57° |
| | ● | ● | 0265 | 0.9 | 0.82 | 1.15 | 1.63 | 2.0 | 2.6 | 3.1 | 3.7 | 4.5 | 50° | 60° | 65° | 70° | 73° | 73° |
| | ● | ● | 0280 | 0.8 | 0.82 | 1.15 | 1.63 | 2.0 | 2.6 | 3.1 | 3.7 | 4.5 | 65° | 74° | 80° | 85° | 88° | 88° |
| | ● | ● | 0315 | 1.6 | 1.22 | 1.73 | 2.4 | 3.0 | 3.9 | 4.6 | 5.5 | 6.7 | 10° | 13° | 15° | 17° | 19° | 19° |
| | ● | ● | 0325 | 1.5 | 1.22 | 1.73 | 2.4 | 3.0 | 3.9 | 4.6 | 5.5 | 6.7 | 16° | 22° | 25° | 28° | 30° | 30° |
| | ● | ● | 0340 | 1.4 | 1.22 | 1.73 | 2.4 | 3.0 | 3.9 | 4.6 | 5.5 | 6.7 | 30° | 37° | 40° | 44° | 46° | 46° |
| | ● | ● | 0350 | 1.3 | 1.22 | 1.73 | 2.4 | 3.0 | 3.9 | 4.6 | 5.5 | 6.7 | 38° | 45° | 50° | 54° | 57° | 57° |
| | ● | ● | 0365 | 1.2 | 1.22 | 1.73 | 2.4 | 3.0 | 3.9 | 4.6 | 5.5 | 6.7 | 50° | 59° | 65° | 70° | 73° | 73° |
| | ● | ● | 0380 | 1.0 | 1.22 | 1.73 | 2.4 | 3.0 | 3.9 | 4.6 | 5.5 | 6.7 | 65° | 74° | 80° | 85° | 88° | 88° |
| | ● | ● | 0415 | 1.8 | 1.63 | 2.3 | 3.3 | 4.0 | 5.2 | 6.1 | 7.3 | 8.9 | 10° | 13° | 15° | 17° | 19° | 19° |
| | ● | ● | 0425 | 1.7 | 1.63 | 2.3 | 3.3 | 4.0 | 5.2 | 6.1 | 7.3 | 8.9 | 17° | 22° | 25° | 28° | 30° | 30° |
| | ● | ● | 0440 | 1.6 | 1.63 | 2.3 | 3.3 | 4.0 | 5.2 | 6.1 | 7.3 | 8.9 | 31° | 37° | 40° | 44° | 45° | 45° |
| | ● | ● | 0450 | 1.5 | 1.63 | 2.3 | 3.3 | 4.0 | 5.2 | 6.1 | 7.3 | 8.9 | 40° | 46° | 50° | 54° | 57° | 57° |
| | ● | ● | 0465 | 1.3 | 1.63 | 2.3 | 3.3 | 4.0 | 5.2 | 6.1 | 7.3 | 8.9 | 53° | 60° | 65° | 70° | 73° | 73° |
| | ● | ● | 0480 | 1.2 | 1.63 | 2.3 | 3.3 | 4.0 | 5.2 | 6.1 | 7.3 | 8.9 | 67° | 75° | 80° | 85° | 88° | 88° |
| | ● | ● | 0515 | 2.0 | 2.0 | 2.9 | 4.1 | 5.0 | 6.5 | 7.6 | 9.1 | 11.2 | 10° | 13° | 15° | 17° | 19° | 19° |
| | ● | ● | 0525 | 1.9 | 2.0 | 2.9 | 4.1 | 5.0 | 6.5 | 7.6 | 9.1 | 11.2 | 17° | 22° | 25° | 28° | 30° | 30° |
| | ● | ● | 0540 | 1.8 | 2.0 | 2.9 | 4.1 | 5.0 | 6.5 | 7.6 | 9.1 | 11.2 | 31° | 37° | 40° | 44° | 45° | 45° |
| | ● | ● | 0550 | 1.7 | 2.0 | 2.9 | 4.1 | 5.0 | 6.5 | 7.6 | 9.1 | 11.2 | 40° | 46° | 50° | 54° | 57° | 57° |
| | ● | ● | 0565 | 1.5 | 2.0 | 2.9 | 4.1 | 5.0 | 6.5 | 7.6 | 9.1 | 11.2 | 53° | 60° | 65° | 70° | 73° | 73° |
| | ● | ● | 0580 | 1.4 | 2.0 | 2.9 | 4.1 | 5.0 | 6.5 | 7.6 | 9.1 | 11.2 | 67° | 75° | 80° | 85° | 88° | 88° |
| ● | ● | 0615 | 2.2 | 2.4 | 3.5 | 4.9 | 6.0 | 7.7 | 9.2 | 11.0 | 13.4 | 10° | 13° | 15° | 17° | 19° | 19° | |
| ● | ● | 0625 | 2.1 | 2.4 | 3.5 | 4.9 | 6.0 | 7.7 | 9.2 | 11.0 | 13.4 | 17° | 22° | 25° | 28° | 30° | 30° | |
| ● | ● | 0640 | 2.0 | 2.4 | 3.5 | 4.9 | 6.0 | 7.7 | 9.2 | 11.0 | 13.4 | 31° | 37° | 40° | 44° | 46° | 46° | |
| ● | ● | 0650 | 1.9 | 2.4 | 3.5 | 4.9 | 6.0 | 7.7 | 9.2 | 11.0 | 13.4 | 40° | 46° | 50° | 54° | 57° | 57° | |
| ● | ● | 0665 | 1.7 | 2.4 | 3.5 | 4.9 | 6.0 | 7.7 | 9.2 | 11.0 | 13.4 | 53° | 60° | 65° | 70° | 73° | 73° | |
| ● | ● | 0680 | 1.5 | 2.4 | 3.5 | 4.9 | 6.0 | 7.7 | 9.2 | 11.0 | 13.4 | 67° | 75° | 80° | 85° | 88° | 88° | |
| ● | ● | 0815 | 2.6 | 3.3 | 4.6 | 6.5 | 8.0 | 10.3 | 12.2 | 14.6 | 17.9 | 10° | 13° | 15° | 17° | 19° | 19° | |
| ● | ● | 0825 | 2.5 | 3.3 | 4.6 | 6.5 | 8.0 | 10.3 | 12.2 | 14.6 | 17.9 | 17° | 22° | 25° | 28° | 30° | 30° | |
| ● | ● | 0840 | 2.3 | 3.3 | 4.6 | 6.5 | 8.0 | 10.3 | 12.2 | 14.6 | 17.9 | 31° | 37° | 40° | 43° | 45° | 45° | |
| ● | ● | 0850 | 2.2 | 3.3 | 4.6 | 6.5 | 8.0 | 10.3 | 12.2 | 14.6 | 17.9 | 40° | 46° | 50° | 54° | 56° | 56° | |
| ● | ● | 0865 | 2.0 | 3.3 | 4.6 | 6.5 | 8.0 | 10.3 | 12.2 | 14.6 | 17.9 | 53° | 60° | 65° | 70° | 72° | 72° | |
| ● | ● | 0880 | 1.8 | 3.3 | 4.6 | 6.5 | 8.0 | 10.3 | 12.2 | 14.6 | 17.9 | 67° | 75° | 80° | 85° | 87° | 87° | |

● Standard type model number list

●: Model availability

| Inlet connection | Model | | Model number | Minimum orifice diameter [mm] | Flow rate [L/min] at following pressure [MPa] | | | | | | | | Spray angle at following pressure [MPa] | | | | | |
|------------------|-------------|--------------|--------------|-------------------------------|---|------|------|------|------|------|------|------|---|-----|-----|-----|-----|-----|
| | Thread type | Welding type | | | 0.05 | 0.1 | 0.2 | 0.3 | 0.5 | 0.7 | 1.0 | 1.5 | 0.1 | 0.2 | 0.3 | 0.5 | 1.0 | 1.5 |
| | | | | | KSA | KSAM | | | | | | | | | | | | |
| 1/4 3/8 | ● | ● | 1015 | 3.1 | 4.1 | 5.8 | 8.2 | 10.0 | 12.9 | 15.3 | 18.3 | 22.4 | 10° | 13° | 15° | 17° | 19° | 19° |
| | ● | ● | 1025 | 2.9 | 4.1 | 5.8 | 8.2 | 10.0 | 12.9 | 15.3 | 18.3 | 22.4 | 17° | 22° | 25° | 28° | 30° | 30° |
| | ● | ● | 1040 | 2.7 | 4.1 | 5.8 | 8.2 | 10.0 | 12.9 | 15.3 | 18.3 | 22.4 | 31° | 37° | 40° | 43° | 45° | 45° |
| | ● | ● | 1050 | 2.5 | 4.1 | 5.8 | 8.2 | 10.0 | 12.9 | 15.3 | 18.3 | 22.4 | 40° | 46° | 50° | 54° | 56° | 56° |
| | ● | ● | 1065 | 2.3 | 4.1 | 5.8 | 8.2 | 10.0 | 12.9 | 15.3 | 18.3 | 22.4 | 54° | 61° | 65° | 69° | 71° | 71° |
| | ● | ● | 1080 | 2.0 | 4.1 | 5.8 | 8.2 | 10.0 | 12.9 | 15.3 | 18.3 | 22.4 | 68° | 76° | 80° | 84° | 86° | 86° |
| | ● | ● | 1515 | 3.8 | 6.1 | 8.7 | 12.2 | 15.0 | 19.4 | 22.9 | 27.4 | 33.5 | 10° | 13° | 15° | 17° | 19° | 19° |
| | ● | ● | 1525 | 3.6 | 6.1 | 8.7 | 12.2 | 15.0 | 19.4 | 22.9 | 27.4 | 33.5 | 17° | 22° | 25° | 28° | 30° | 30° |
| | ● | ● | 1540 | 3.4 | 6.1 | 8.7 | 12.2 | 15.0 | 19.4 | 22.9 | 27.4 | 33.5 | 31° | 37° | 40° | 43° | 45° | 45° |
| | ● | ● | 1550 | 3.2 | 6.1 | 8.7 | 12.2 | 15.0 | 19.4 | 22.9 | 27.4 | 33.5 | 40° | 46° | 50° | 54° | 56° | 56° |
| | ● | ● | 1565 | 2.9 | 6.1 | 8.7 | 12.2 | 15.0 | 19.4 | 22.9 | 27.4 | 33.5 | 54° | 61° | 65° | 69° | 71° | 71° |
| | ● | ● | 1580 | 2.6 | 6.1 | 8.7 | 12.2 | 15.0 | 19.4 | 22.9 | 27.4 | 33.5 | 68° | 76° | 80° | 84° | 86° | 86° |
| | ● | ● | 2015 | 4.3 | 8.2 | 11.5 | 16.3 | 20.0 | 25.8 | 30.6 | 36.5 | 44.7 | 10° | 13° | 15° | 17° | 19° | 19° |
| | ● | ● | 2025 | 4.1 | 8.2 | 11.5 | 16.3 | 20.0 | 25.8 | 30.6 | 36.5 | 44.7 | 17° | 22° | 25° | 28° | 30° | 30° |
| | ● | ● | 2040 | 3.9 | 8.2 | 11.5 | 16.3 | 20.0 | 25.8 | 30.6 | 36.5 | 44.7 | 31° | 37° | 40° | 43° | 45° | 45° |
| | ● | ● | 2050 | 3.7 | 8.2 | 11.5 | 16.3 | 20.0 | 25.8 | 30.6 | 36.5 | 44.7 | 40° | 46° | 50° | 54° | 56° | 56° |
| | ● | ● | 2065 | 3.4 | 8.2 | 11.5 | 16.3 | 20.0 | 25.8 | 30.6 | 36.5 | 44.7 | 54° | 61° | 65° | 69° | 71° | 71° |
| | ● | ● | 2080 | 3.1 | 8.2 | 11.5 | 16.3 | 20.0 | 25.8 | 30.6 | 36.5 | 44.7 | 68° | 76° | 80° | 84° | 86° | 86° |
| | ● | | 2515 | 4.7 | 10.2 | 14.4 | 20.4 | 25.0 | 32.3 | 38.2 | 45.6 | 55.9 | 10° | 13° | 15° | 17° | 19° | 19° |
| | ● | | 2525 | 4.5 | 10.2 | 14.4 | 20.4 | 25.0 | 32.3 | 38.2 | 45.6 | 55.9 | 17° | 22° | 25° | 28° | 30° | 30° |
| | ● | | 2540 | 4.3 | 10.2 | 14.4 | 20.4 | 25.0 | 32.3 | 38.2 | 45.6 | 55.9 | 31° | 37° | 40° | 43° | 45° | 45° |
| | ● | | 2550 | 4.1 | 10.2 | 14.4 | 20.4 | 25.0 | 32.3 | 38.2 | 45.6 | 55.9 | 40° | 46° | 50° | 54° | 56° | 56° |
| | ● | | 2565 | 3.8 | 10.2 | 14.4 | 20.4 | 25.0 | 32.3 | 38.2 | 45.6 | 55.9 | 54° | 61° | 65° | 69° | 71° | 71° |
| | ● | | 2580 | 3.6 | 10.2 | 14.4 | 20.4 | 25.0 | 32.3 | 38.2 | 45.6 | 55.9 | 68° | 76° | 80° | 84° | 86° | 86° |
| | ● | | 3015 | 5.0 | 12.2 | 17.3 | 24.5 | 30.0 | 38.7 | 45.8 | 54.8 | 67.1 | 10° | 13° | 15° | 17° | 19° | 19° |
| | ● | | 3025 | 4.8 | 12.2 | 17.3 | 24.5 | 30.0 | 38.7 | 45.8 | 54.8 | 67.1 | 17° | 22° | 25° | 28° | 30° | 30° |
| | ● | | 3040 | 4.6 | 12.2 | 17.3 | 24.5 | 30.0 | 38.7 | 45.8 | 54.8 | 67.1 | 31° | 37° | 40° | 43° | 45° | 45° |
| | ● | | 3050 | 4.4 | 12.2 | 17.3 | 24.5 | 30.0 | 38.7 | 45.8 | 54.8 | 67.1 | 40° | 46° | 50° | 54° | 56° | 56° |
| | ● | | 3065 | 4.2 | 12.2 | 17.3 | 24.5 | 30.0 | 38.7 | 45.8 | 54.8 | 67.1 | 54° | 61° | 65° | 69° | 71° | 71° |
| | ● | | 3080 | 3.9 | 12.2 | 17.3 | 24.5 | 30.0 | 38.7 | 45.8 | 54.8 | 67.1 | 68° | 76° | 80° | 84° | 86° | 86° |
| 1/2 3/4 | ● | | 4050 | 5.2 | 16.3 | 23.1 | 32.7 | 40.0 | 51.6 | 61.1 | 73.0 | 89.4 | 41° | 46° | 50° | 54° | 56° | 56° |
| | ● | | 4065 | 4.9 | 16.3 | 23.1 | 32.7 | 40.0 | 51.6 | 61.1 | 73.0 | 89.4 | 55° | 61° | 65° | 69° | 71° | 71° |
| | ● | | 4080 | 4.6 | 16.3 | 23.1 | 32.7 | 40.0 | 51.6 | 61.1 | 73.0 | 89.4 | 69° | 76° | 80° | 84° | 86° | 86° |
| | ● | | 5050 | 5.6 | 20.4 | 28.9 | 40.8 | 50.0 | 64.5 | 76.4 | 91.3 | 112 | 41° | 46° | 50° | 53° | 55° | 55° |
| | ● | | 5065 | 5.3 | 20.4 | 28.9 | 40.8 | 50.0 | 64.5 | 76.4 | 91.3 | 112 | 55° | 61° | 65° | 68° | 70° | 70° |
| | ● | | 5080 | 5.0 | 20.4 | 28.9 | 40.8 | 50.0 | 64.5 | 76.4 | 91.3 | 112 | 69° | 76° | 80° | 83° | 85° | 85° |
| | ● | | 6050 | 6.2 | 24.5 | 34.6 | 49.0 | 60.0 | 77.5 | 91.7 | 110 | 134 | 41° | 46° | 50° | 53° | 55° | 55° |
| | ● | | 6065 | 5.9 | 24.5 | 34.6 | 49.0 | 60.0 | 77.5 | 91.7 | 110 | 134 | 55° | 61° | 65° | 68° | 70° | 70° |
| | ● | | 6080 | 5.5 | 24.5 | 34.6 | 49.0 | 60.0 | 77.5 | 91.7 | 110 | 134 | 70° | 76° | 80° | 83° | 85° | 85° |
| | ● | | 7550 | 7.0 | 30.6 | 43.3 | 61.2 | 75.0 | 96.8 | 115 | 137 | 168 | 41° | 46° | 50° | 53° | 55° | 55° |
| | ● | | 7565 | 6.7 | 30.6 | 43.3 | 61.2 | 75.0 | 96.8 | 115 | 137 | 168 | 55° | 61° | 65° | 68° | 70° | 70° |
| | ● | | 7580 | 6.4 | 30.6 | 43.3 | 61.2 | 75.0 | 96.8 | 115 | 137 | 168 | 70° | 76° | 80° | 83° | 85° | 85° |