

# Stainless Pipes

HPI Co., Ltd.

| Material  | Size   | Bend Angle            | Length  | Thk   | Radius | Straight Length       | P/N           |
|-----------|--------|-----------------------|---------|-------|--------|-----------------------|---------------|
| Stainless | Φ38    | 30°,60°,90°,120°,145° | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS038-ST   |
|           | Φ 42.7 | 30°,60°,90°,120°,145° | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS042-ST   |
|           | Φ 45   | 30°,60°,90°,120°,145° | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS045-ST   |
|           | Φ 50   | 30°                   |         | 1.5mm | 63.5mm | 197mm                 | HPSUS050-030K |
|           |        | 60°                   |         | 1.5mm | 63.5mm | 196mm                 | HPSUS050-060K |
|           |        | 90°                   |         | 1.5mm | 63.5mm | 199mm                 | HPSUS050-090K |
|           |        | 120°                  |         | 1.5mm | 63.5mm | 182mm                 | HPSUS-050-120 |
|           |        | 145°                  | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS050-ST   |
|           | Φ 54   | 30°,60°,90°,120°,145° | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS054-ST   |
|           | Φ 60   | 30°                   |         | 1.5mm | 90mm   | 205mm                 | HPSUS060-030K |
|           |        | 60°                   |         | 1.5mm | 90mm   | 224mm                 | HPSUS060-060K |
|           |        | 90°                   |         | 1.5mm | 90mm   | 210mm                 | HPSUS060-090  |
|           |        | 120°                  |         | 1.5mm | 90mm   | 210mm                 | HPSUS060-120  |
|           |        | 145°                  | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS060-ST   |
|           | Φ 65   | 30°,60°,90°,120°,145° | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS060-ST   |
|           | Φ 70   | 30°                   |         | 1.5mm | 105mm  | 200mm                 | HPSUS070-030K |
|           |        | 60°                   |         | 1.5mm | 105mm  | 224mm                 | HPSUS070-060K |
|           |        | 90°                   |         | 1.5mm | 105mm  | 190mm                 | HPSUS070-090K |
|           |        | 120°                  |         | 1.5mm | 105mm  | 190mm                 | HPSUS070-120  |
|           |        | 145°                  | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS070-ST   |
|           | Φ 76.3 | 30°                   |         | 1.5mm | 127mm  | 196mm                 | HPSUS76-030K  |
|           |        | 60°                   |         | 1.5mm | 127mm  | 205mm                 | HPSUS76-060K  |
|           |        | 90°                   |         | 1.5mm | 127mm  | 198mm                 | HPSUS76-090K  |
|           |        | 120°                  |         | 1.5mm | 127mm  | 180/225mm             | HPSUS76-120   |
|           |        | 145°                  | N/A     |       |        |                       |               |
|           |        | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS76-ST    |
|           | Φ 80   | 30°                   |         | 1.5mm | 150mm  | Approx. OAL<br>600 mm | HPSUS080-030  |

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|----------|-------|-----------------------|---------|-------|--------|-----------------------|--------------|
|          | Φ 80  | 60°                   |         | 1.5mm | 150mm  | Approx. OAL<br>600 mm | HPSUS080-060 |
|          |       | 90°                   |         | 1.5mm | 150mm  |                       | HPSUS080-090 |
|          |       | 120°                  |         | 1.5mm | 150mm  |                       | HPSUS080-120 |
|          |       | 145°                  | N/A     |       |        |                       |              |
|          |       | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS080-ST  |
|          | Φ 90  | 30°,60°,90°,120°,145° | N/A     |       |        |                       |              |
|          |       | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS090-ST  |
|          | Φ 100 | 30°,60°,90°,120°,145° | N/A     |       |        |                       |              |
|          |       | Straight Pipe         | 1,000mm | 1.5mm |        |                       | HPSUS100-ST  |
|          | Φ 127 | 30°,60°,90°,120°,145° | N/A     |       |        |                       |              |
|          |       | Straight Pipe         | N/A     |       |        |                       |              |



Steel Pipes

HPI Co., Ltd.

| Material | Size   | Bend Angle            | Length  | Thk   | Radius | Approx. OAL | P/N         |
|----------|--------|-----------------------|---------|-------|--------|-------------|-------------|
| Steel    | Φ38    | 30°,60°,90°,120,°145° | N/A     |       |        |             |             |
|          |        | Straight Pipe         |         |       |        |             |             |
|          | Φ 42.7 | 30°,60°,90°,120,°145° |         |       |        |             |             |
|          |        | Straight Pipe         |         |       |        |             |             |
|          | Φ 45   | 30°,60°,90°,120,°145° |         |       |        |             |             |
|          |        | Straight Pipe         |         |       |        |             |             |
|          | Φ 50   | 30°                   |         | 1.6mm | 100mm  | 400mm       | HPSS050-030 |
|          |        | 60°                   |         | 1.6mm | 100mm  | 400mm       | HPSS050-060 |
|          |        | 90°                   |         | 1.6mm | 100mm  | 400mm       | HPSS050-090 |
|          |        | 120°                  |         | 1.6mm | 100mm  | 500mm       | HPSS050-120 |
|          |        | 145°                  | N/A     |       |        |             |             |
|          |        | Straight Pipe         | 1,000mm | 1.6mm |        |             | HPSS050-ST  |
|          | Φ 54   | 30°,60°,90°,120,°145° | N/A     |       |        |             |             |
|          |        | Straight Pipe         |         |       |        |             |             |
|          | Φ 60   | 30°                   |         | 1.6mm | 100mm  | 400mm       | HPSS060-030 |
|          |        | 60°                   |         | 1.6mm | 100mm  | 400mm       | HPSS060-060 |
|          |        | 90°                   |         | 1.6mm | 100mm  | 400mm       | HPSS060-090 |
|          |        | 120°                  |         | 1.6mm | 100mm  | 500mm       | HPSS060-120 |
|          |        | 145°                  | N/A     |       |        |             |             |
|          |        | Straight Pipe         | 1,000mm | 1.6mm |        |             | HPSS060-ST  |
|          | Φ 65   | 30°,60°,90°,120,°145° | N/A     |       |        |             |             |
|          |        | Straight Pipe         |         |       |        |             |             |
|          | Φ 70   | 30°                   | N/A     |       |        |             |             |
|          |        | 60°                   |         |       |        |             |             |
|          |        | 90°                   |         |       |        |             |             |
|          |        | 120°                  |         |       |        |             |             |
|          |        | 145°                  |         |       |        |             |             |
|          |        | Straight Pipe         |         |       |        |             |             |
|          | Φ 76.3 | 30°                   |         | 1.6mm | 150mm  | 500mm       | HPSS076-030 |
|          |        | 60°                   |         | 1.6mm | 150mm  | 500mm       | HPSS076-060 |
|          |        | 90°                   |         | 1.6mm | 150mm  | 500mm       | HPSS076-090 |
|          |        | 120°                  |         | 1.6mm | 150mm  | 500mm       | HPSS076-120 |

Steel Pipes

| Material | Size  | Bend Angle            | Length  | Thk   | Radius | Approx. OAL | P/N         |
|----------|-------|-----------------------|---------|-------|--------|-------------|-------------|
|          |       | 145°                  | N/A     |       |        |             |             |
|          |       | Straight Pipe         | 1,000mm | 1.6mm |        |             | HPSS076-ST  |
|          | Φ 80  | 30°                   |         | 1.6mm | 150mm  | 500mm       | HPSS080-030 |
|          |       | 60°                   |         | 1.6mm | 150mm  | 500mm       | HPSS080-060 |
|          |       | 90°                   |         | 1.6mm | 150mm  | 500mm       | HPSS080-090 |
|          |       | 120°                  |         | 1.6mm | 150mm  | 600mm       | HPSS080-120 |
|          |       | 145°                  | N/A     |       |        |             |             |
|          |       | Straight Pipe         | 1,000mm | 1.6mm |        |             | HPSS080-ST  |
|          | Φ 90  | 30°,60°,90°,120,°145° | N/A     |       |        |             |             |
|          |       | Straight Pipe         |         |       |        |             |             |
|          | Φ 100 | 30°,60°,90°,120,°145° | N/A     |       |        |             |             |
|          |       | Straight Pipe         |         |       |        |             |             |
|          | Φ 127 | 30°,60°,90°,120,°145° | N/A     |       |        |             |             |
|          |       | Straight Pipe         |         |       |        |             |             |



Aluminum Pipes

HPI Co., Ltd.

| Material | Size   | Bend Angle            | Length  | Thk | Radius | Straight Length | P/N         |
|----------|--------|-----------------------|---------|-----|--------|-----------------|-------------|
| Alum     | Φ38    | 30°,60°,90°,120,°145° | N/A     |     |        |                 |             |
|          |        | Straight Pipe         |         |     |        |                 |             |
|          | Φ 42.7 | 30°,60°,90°,120,°145° | N/A     |     |        |                 |             |
|          |        | Straight Pipe         |         |     |        |                 |             |
|          | Φ 45   | 30°,60°,90°,120,°145° | N/A     |     |        |                 |             |
|          |        | Straight Pipe         |         |     |        |                 |             |
|          | Φ 50   | 30°                   |         | 2mm | 63.5mm | 188mm           | HPAL050-030 |
|          |        | 60°                   |         | 2mm | 63.5mm | 186mm           | HPAL050-060 |
|          |        | 90°                   |         | 2mm | 63.5mm | 190mm           | HPAL050-090 |
|          |        | 120°                  |         | 2mm | 63.5mm | 203mm           | HPAL050-120 |
|          |        | 145°                  | N/A     |     |        |                 |             |
|          |        | Straight Pipe         | 1,000mm | 2mm |        |                 | HPAL050-ST  |
|          | Φ 54   | 30°,60°,90°,120,°145° | N/A     |     |        |                 |             |
|          |        | Straight Pipe         |         |     |        |                 |             |
|          | Φ 60   | 30°                   |         | 2mm | 84mm   | 183mm           | HPAL060-030 |
|          |        | 60°                   |         | 2mm | 84mm   | 176mm           | HPAL060-060 |
|          |        | 90°                   |         | 2mm | 84mm   | 174mm           | HPAL060-090 |
|          |        | 120°                  |         | 2mm | 84mm   | 182mm           | HPAL060-120 |
|          |        | 145°                  | N/A     |     |        |                 |             |
|          |        | Straight Pipe         | 1,000mm | 2mm |        |                 | HPAL060-ST  |
|          | Φ 65   | 30°,60°,90°,120,°145° | N/A     |     |        |                 |             |
|          |        | Straight Pipe         |         |     |        |                 |             |
|          | Φ 70   | 30°                   |         | 2mm | 104mm  | 197mm           | HPAL070-030 |
|          |        | 60°                   |         | 2mm | 104mm  | 195mm           | HPAL070-060 |
|          |        | 90°                   |         | 2mm | 104mm  | 193mm           | HPAL070-090 |
|          |        | 120°                  |         | 2mm | 104mm  | 191mm           | HPAL070-120 |
|          |        | 145°                  | N/A     |     |        |                 |             |
|          |        | Straight Pipe         | 1,000mm | 2mm |        |                 | HPAL070-ST  |
|          | Φ 76.3 | 30°                   | N/A     |     |        |                 |             |
|          |        | 60°                   |         |     |        |                 |             |
|          |        | 90°                   |         |     |        |                 |             |
|          |        | 120°                  |         |     |        |                 |             |
|          |        | 145°                  |         |     |        |                 |             |

# Aluminum Pipes

| Material | Size  | Bend Angle            | Length  | Thk | Radius | Straight Length | P/N         |
|----------|-------|-----------------------|---------|-----|--------|-----------------|-------------|
|          |       | Straight Pipe         |         |     |        |                 |             |
|          | Φ 80  | 30°                   |         | 2mm | 104mm  | 198mm           | HPAL080-030 |
|          |       | 60°                   |         | 2mm | 104mm  | 195mm           | HPAL080-060 |
|          |       | 90°                   |         | 2mm | 104mm  | 193mm           | HPAL080-090 |
|          |       | 120°                  |         | 2mm | 104mm  | 191mm           | HPAL080-120 |
|          |       | 145°                  | N/A     |     |        |                 |             |
|          |       | Straight Pipe         | 1,000mm | 2mm |        |                 | HPAL080-ST  |
|          | Φ 90  | 30°                   |         | 2mm | 120mm  | 178mm           | HPAL090-030 |
|          |       | 60°                   |         | 2mm | 120mm  | 187mm           | HPAL090-060 |
|          |       | 90°                   |         | 2mm | 120mm  | 186mm           | HPAL090-090 |
|          |       | 120°                  | N/A     |     |        |                 |             |
|          |       | 145°                  |         |     |        |                 |             |
|          |       | Straight Pipe         | 1,000mm | 2mm |        |                 | HPAL090-ST  |
|          | Φ 100 | 30°                   |         | 2mm | 116mm  | 184mm           | HPAL100-030 |
|          |       | 60°                   |         | 2mm | 116mm  | 189mm           | HPAL100-060 |
|          |       | 90°                   |         | 2mm | 116mm  | 184mm           | HPAL100-090 |
|          |       | 120°,145°             | N/A     |     |        |                 |             |
|          |       | Straight Pipe         | 1,000mm | 2mm |        |                 | HPAL100-ST  |
|          | Φ 127 | 30°,60°,90°,120,°145° | N/A     |     |        |                 |             |
|          |       | Straight Pipe         | 1,000mm | 2mm |        |                 | HPAL127-ST  |

