

# STEEL BUTT-WELDING PIPE FITTINGS

KS | JIS

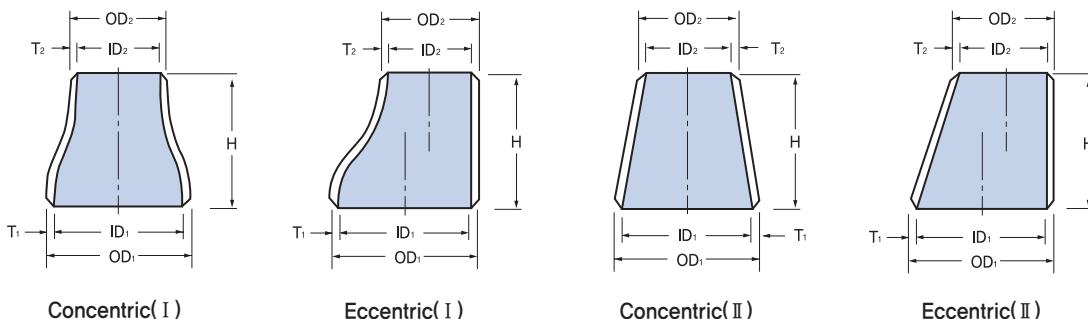
## • Reducer

Sch40, Sch80, Sch120, Sch 160

KS B 1541/43, JIS B 2312/13

Unit : mm

| Nominal<br>Pipe Size | Outside<br>Diameter |                 | Wall Thickness T |                |                |                |                |                |                |                | End to<br>End<br>H |
|----------------------|---------------------|-----------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
|                      |                     |                 | Sch 40           |                | Sch 80         |                | Sch 120        |                | Sch 160        |                |                    |
|                      | OD <sub>1</sub>     | OD <sub>2</sub> | T <sub>1</sub>   | T <sub>2</sub> | T <sub>1</sub> | T <sub>2</sub> | T <sub>1</sub> | T <sub>2</sub> | T <sub>1</sub> | T <sub>2</sub> |                    |
| 125×100              | 139.8               | 114.3           | 6.6              | 6.0            | 9.5            | 8.6            | 12.7           | 11.1           | 15.9           | 13.5           | 127.0              |
| 125× 90              | 139.8               | 101.6           | 6.6              | 5.7            | 9.5            | 8.1            | -              | -              | 15.9           | 12.7           | 127.0              |
| 125× 80              | 139.8               | 89.1            | 6.6              | 5.5            | 9.5            | 7.6            | -              | -              | 15.9           | 11.1           | 127.0              |
| 125× 65              | 139.8               | 76.3            | 6.6              | 5.2            | 9.5            | 7.0            | -              | -              | 15.9           | 9.5            | 127.0              |
| 125× 50              | 139.8               | 60.5            | 6.6              | 3.9            | 9.5            | 5.5            | -              | -              | 15.9           | 8.7            | 127.0              |
| 150×125              | 165.2               | 139.8           | 7.1              | 6.6            | 11.1           | 9.5            | 14.3           | 12.7           | 18.2           | 15.9           | 139.7              |
| 150×100              | 165.2               | 114.3           | 7.1              | 6.0            | 11.1           | 8.6            | 14.3           | 11.1           | 18.2           | 13.5           | 139.7              |
| 150× 90              | 165.2               | 101.6           | 7.1              | 5.7            | 11.1           | 8.1            | -              | -              | 18.2           | 12.7           | 139.7              |
| 150× 80              | 165.2               | 89.1            | 7.1              | 5.5            | 11.1           | 7.6            | -              | -              | 18.2           | 11.1           | 139.7              |
| 150× 65              | 165.2               | 76.3            | 7.1              | 5.2            | 11.1           | 7.0            | -              | -              | 18.2           | 9.5            | 139.7              |
| 200×150              | 216.3               | 165.2           | 8.2              | 7.1            | 12.7           | 11.0           | 18.2           | 14.3           | 23.0           | 18.2           | 152.4              |
| 200×125              | 216.3               | 139.8           | 8.2              | 6.6            | 12.7           | 9.5            | 18.2           | 12.7           | 23.0           | 15.9           | 152.4              |
| 200×100              | 216.3               | 114.3           | 8.2              | 6.0            | 12.7           | 8.6            | 18.2           | 11.1           | 23.0           | 13.5           | 152.4              |
| 200× 90              | 216.3               | 101.6           | 8.2              | 5.7            | 12.7           | 8.1            | -              | -              | 23.0           | 12.7           | 152.4              |
| 250×200              | 267.4               | 216.3           | 9.3              | 8.2            | 15.1           | 12.7           | 21.4           | 18.2           | 28.6           | 23.0           | 177.8              |
| 250×150              | 267.4               | 165.2           | 9.3              | 7.1            | 15.1           | 11.0           | 21.4           | 14.3           | 28.6           | 18.2           | 177.8              |
| 250×125              | 267.4               | 139.8           | 9.3              | 6.6            | 15.1           | 9.5            | 21.4           | 12.7           | 28.6           | 15.9           | 177.8              |
| 250×100              | 267.4               | 114.3           | 9.3              | 6.0            | 15.1           | 8.6            | -              | -              | 28.6           | 13.5           | 177.8              |
| 300×250              | 318.5               | 267.4           | 10.3             | 9.3            | 17.4           | 15.1           | 25.4           | 21.4           | 33.3           | 28.6           | 203.2              |
| 300×200              | 318.5               | 216.3           | 10.3             | 8.2            | 17.4           | 12.7           | 25.4           | 18.2           | 33.3           | 23.0           | 203.2              |
| 300×150              | 318.5               | 165.2           | 10.3             | 7.1            | 17.4           | 11.0           | 25.4           | 14.3           | 33.3           | 18.2           | 203.2              |
| 300×125              | 318.5               | 139.8           | 10.3             | 6.6            | 17.4           | 9.5            | 25.4           | 12.7           | 33.3           | 15.9           | 203.3              |
| 350×300              | 355.6               | 318.5           | 11.1             | 10.3           | 19.0           | 17.4           | 27.8           | 25.4           | 35.7           | 33.3           | 330.2              |
| 350×250              | 355.6               | 267.4           | 11.1             | 9.3            | 19.0           | 15.1           | 27.8           | 21.4           | 35.7           | 28.6           | 330.2              |
| 350×200              | 355.6               | 216.3           | 11.1             | 8.2            | 19.0           | 12.7           | 27.8           | 18.2           | 35.7           | 23.0           | 330.2              |
| 350×150              | 355.6               | 165.2           | 11.1             | 7.1            | 19.0           | 11.0           | 27.8           | 14.3           | 35.7           | 18.2           | 330.2              |
| 400×350              | 406.4               | 355.6           | 12.7             | 11.1           | 21.4           | 19.0           | 30.9           | 27.8           | 40.5           | 35.7           | 355.6              |
| 400×300              | 406.4               | 318.5           | 12.7             | 10.3           | 21.4           | 17.4           | 30.9           | 25.4           | 40.5           | 33.3           | 355.6              |
| 400×250              | 406.4               | 267.4           | 12.7             | 9.3            | 21.4           | 15.1           | 30.9           | 21.4           | 40.5           | 28.6           | 355.6              |
| 400×200              | 406.4               | 216.3           | 12.7             | 8.2            | 21.4           | 12.7           | 30.9           | 18.2           | 40.5           | 23.0           | 355.6              |
| 450×400              | 457.2               | 406.4           | 14.3             | 12.7           | 23.8           | 21.4           | 34.9           | 30.9           | 45.2           | 40.5           | 381.0              |
| 450×350              | 457.2               | 355.6           | 14.3             | 11.1           | 23.8           | 19.0           | 34.9           | 27.8           | 45.2           | 35.7           | 381.0              |
| 450×300              | 457.2               | 318.5           | 14.3             | 10.3           | 23.8           | 17.4           | 34.9           | 25.4           | 45.2           | 33.3           | 381.0              |
| 450×250              | 457.2               | 267.4           | 14.3             | 9.3            | 23.8           | 15.1           | 34.9           | 21.4           | 45.2           | 28.6           | 381.0              |
| 500×450              | 508.0               | 457.2           | 15.1             | 14.3           | 26.2           | 23.8           | 38.1           | 34.9           | 50.0           | 54.2           | 508.0              |
| 500×400              | 508.0               | 406.4           | 15.1             | 12.7           | 26.2           | 21.4           | 38.1           | 30.9           | 50.0           | 40.5           | 508.0              |
| 500×350              | 508.0               | 355.6           | 15.1             | 11.1           | 26.2           | 19.0           | 38.1           | 27.8           | 50.0           | 35.7           | 508.0              |
| 500×300              | 508.0               | 318.5           | 15.1             | 10.3           | 26.2           | 17.4           | 38.1           | 25.4           | 50.0           | 33.3           | 508.0              |



KS B 1541/43, JIS B 2312/13

Unit : mm

| Nominal Pipe Size | Outside Diameter |       | Wall Thickness T |      |        |      |         |    |         |    | End to End H |
|-------------------|------------------|-------|------------------|------|--------|------|---------|----|---------|----|--------------|
|                   | OD1              | OD2   | Sch 40           |      | Sch 80 |      | Sch 120 |    | Sch 160 |    |              |
|                   |                  |       | T1               | T2   | T1     | T2   | T1      | T2 | T1      | T2 |              |
| 550×500           | 558.8            | 508.0 | 15.1             | 15.1 | 28.6   | 26.2 | -       | -  | -       | -  | 508.0        |
| 550×450           | 558.8            | 457.2 | 15.1             | 14.3 | 28.6   | 23.8 | -       | -  | -       | -  | 508.0        |
| 550×400           | 558.8            | 406.4 | 15.1             | 12.7 | 28.6   | 21.4 | -       | -  | -       | -  | 508.0        |
| 550×350           | 558.8            | 355.6 | 15.1             | 11.1 | 28.6   | 19.0 | -       | -  | -       | -  | 508.0        |
| 600×550           | 609.6            | 558.8 | 17.4             | 15.1 | 31.0   | 28.6 | -       | -  | -       | -  | 508.0        |
| 600×500           | 609.6            | 508.0 | 17.4             | 15.1 | 31.0   | 26.2 | -       | -  | -       | -  | 508.0        |
| 600×450           | 609.6            | 457.2 | 17.4             | 14.3 | 31.0   | 23.8 | -       | -  | -       | -  | 508.0        |
| 600×400           | 609.6            | 406.4 | 17.4             | 12.7 | 31.0   | 21.4 | -       | -  | -       | -  | 508.0        |
| 650×600           | 660.4            | 609.6 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 650×550           | 660.4            | 558.8 | 17.4             | 15.1 | -      | -    | -       | -  | -       | -  | 609.6        |
| 650×500           | 660.4            | 508.0 | 17.4             | 15.1 | -      | -    | -       | -  | -       | -  | 609.6        |
| 650×450           | 660.4            | 457.2 | 17.4             | 14.3 | -      | -    | -       | -  | -       | -  | 609.6        |
| 700×650           | 711.2            | 660.4 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 700×600           | 711.2            | 609.6 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 700×550           | 711.2            | 558.8 | 17.4             | 15.1 | -      | -    | -       | -  | -       | -  | 609.6        |
| 700×500           | 711.2            | 508.0 | 17.4             | 15.1 | -      | -    | -       | -  | -       | -  | 609.6        |
| 750×700           | 762.0            | 711.2 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 750×650           | 762.0            | 660.4 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 750×600           | 762.0            | 609.6 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 750×550           | 762.0            | 558.8 | 17.4             | 15.1 | -      | -    | -       | -  | -       | -  | 609.6        |
| 800×750           | 812.8            | 760.0 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 800×700           | 812.8            | 711.2 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 800×650           | 812.8            | 660.4 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 800×600           | 812.8            | 609.6 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 850×800           | 863.6            | 812.8 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 850×750           | 863.6            | 762.0 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 850×700           | 863.6            | 711.2 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 850×650           | 863.6            | 660.4 | 17.4             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 900×850           | 914.4            | 863.6 | 19.0             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 900×800           | 914.4            | 812.8 | 19.0             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 900×750           | 914.4            | 762.0 | 19.0             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |
| 900×700           | 914.4            | 711.2 | 19.0             | 17.4 | -      | -    | -       | -  | -       | -  | 609.6        |