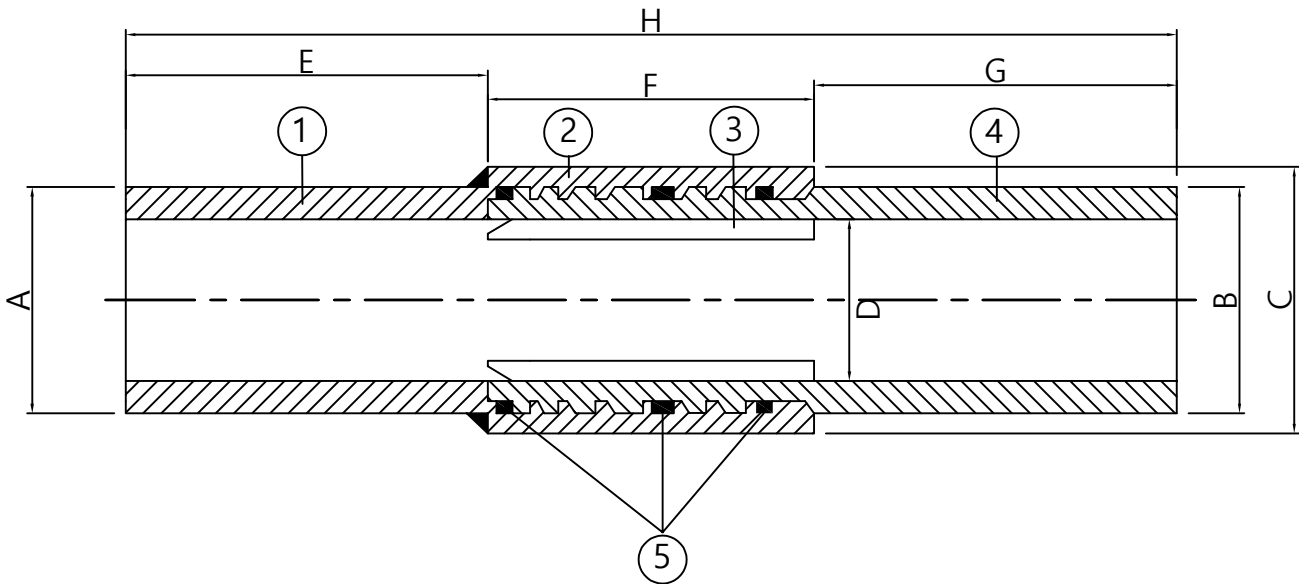


| 구분        | ALL                 |                    |               |              | Short-Type  |             |             |              | Long-Type    |             |              |               | Pe Long-Type |             |             |               |
|-----------|---------------------|--------------------|---------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|--------------|---------------|--------------|-------------|-------------|---------------|
|           | A                   | B                  | C             | D            | E           | F           | G           | H            | E            | F           | G            | H             | E            | F           | G           | H             |
| 40 X 32   | 42.7 $\phi \pm 0.5$ | 40 $\phi \pm 0.4$  | 48.6 $\pm 3$  | 32 $\pm 2$   | 290 $\pm 5$ | 50 $\pm 1$  | 260 $\pm 5$ | 600 $\pm 10$ | 995 $\pm 5$  | 50 $\pm 1$  | 255 $\pm 5$  | 1300 $\pm 10$ | 290 $\pm 5$  | 50 $\pm 1$  | 960 $\pm 5$ | 1300 $\pm 10$ |
| 50 X 40   | 48.6 $\phi \pm 0.5$ | 50 $\phi \pm 0.4$  | 57 $\pm 3$    | 40.2 $\pm 2$ | 290 $\pm 5$ | 50 $\pm 1$  | 260 $\pm 5$ | 600 $\pm 10$ | 995 $\pm 5$  | 50 $\pm 1$  | 255 $\pm 5$  | 1300 $\pm 10$ | 290 $\pm 5$  | 50 $\pm 1$  | 960 $\pm 5$ | 1300 $\pm 10$ |
| 63 X 32   | 42.7 $\phi \pm 0.5$ | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   | 290 $\pm 5$ | 65 $\pm 1$  | 245 $\pm 5$ | 600 $\pm 10$ | 995 $\pm 5$  | 65 $\pm 1$  | 240 $\pm 5$  | 1300 $\pm 10$ | 290 $\pm 5$  | 65 $\pm 1$  | 945 $\pm 5$ | 1300 $\pm 10$ |
| 63 X 40   | 48.6 $\phi \pm 0.5$ | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   | 290 $\pm 5$ | 65 $\pm 1$  | 245 $\pm 5$ | 600 $\pm 10$ | 995 $\pm 5$  | 65 $\pm 1$  | 240 $\pm 5$  | 1300 $\pm 10$ | 290 $\pm 5$  | 65 $\pm 1$  | 945 $\pm 5$ | 1300 $\pm 10$ |
| 63 X 50   | 60.5 $\phi \pm 1$   | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   | 290 $\pm 5$ | 65 $\pm 1$  | 245 $\pm 5$ | 600 $\pm 10$ | 995 $\pm 5$  | 65 $\pm 1$  | 240 $\pm 5$  | 1300 $\pm 10$ | 290 $\pm 5$  | 65 $\pm 1$  | 945 $\pm 5$ | 1300 $\pm 10$ |
| 90 X 65   | 76.3 $\phi \pm 1$   | 90 $\phi \pm 0.6$  | 101.6 $\pm 3$ | 72.5 $\pm 2$ | 290 $\pm 5$ | 80 $\pm 1$  | 230 $\pm 5$ | 600 $\pm 10$ | 995 $\pm 5$  | 80 $\pm 1$  | 225 $\pm 5$  | 1300 $\pm 10$ | 290 $\pm 5$  | 80 $\pm 1$  | 930 $\pm 5$ | 1300 $\pm 10$ |
| 90 X 80   | 89.1 $\phi \pm 1$   | 90 $\phi \pm 0.6$  | 101.6 $\pm 3$ | 72.5 $\pm 2$ | 290 $\pm 5$ | 80 $\pm 1$  | 230 $\pm 5$ | 600 $\pm 10$ | 995 $\pm 5$  | 80 $\pm 1$  | 225 $\pm 5$  | 1300 $\pm 10$ | 290 $\pm 5$  | 80 $\pm 1$  | 930 $\pm 5$ | 1300 $\pm 10$ |
| 110 X 100 | 114.3 $\phi \pm 1$  | 110 $\phi \pm 0.7$ | 123.5 $\pm 3$ | 89 $\pm 2$   | 290 $\pm 5$ | 90 $\pm 1$  | 220 $\pm 5$ | 600 $\pm 10$ | 995 $\pm 5$  | 90 $\pm 1$  | 215 $\pm 5$  | 1300 $\pm 10$ | 290 $\pm 5$  | 90 $\pm 1$  | 920 $\pm 5$ | 1300 $\pm 10$ |
| 160 X 150 | 165.2 $\phi \pm 1$  | 160 $\phi \pm 1.0$ | 178 $\pm 3$   | 130 $\pm 2$  | 360 $\pm 5$ | 100 $\pm 1$ | 340 $\pm 5$ | 800 $\pm 10$ | 935 $\pm 5$  | 100 $\pm 1$ | 325 $\pm 5$  | 1360 $\pm 10$ | 360 $\pm 5$  | 100 $\pm 1$ | 840 $\pm 5$ | 1300 $\pm 10$ |
| 225 X 200 | 216.3 $\phi \pm 1$  | 225 $\phi \pm 1.4$ | 243 $\pm 3$   | 182 $\pm 2$  | 345 $\pm 5$ | 130 $\pm 1$ | 375 $\pm 5$ | 850 $\pm 10$ | 995 $\pm 5$  | 130 $\pm 1$ | 375 $\pm 5$  | 1500 $\pm 10$ | 345 $\pm 5$  | 130 $\pm 1$ | 875 $\pm 5$ | 1350 $\pm 10$ |
| 280 X 250 | 267.4 $\phi \pm 1$  | 280 $\phi \pm 1.7$ | 305 $\pm 3$   | 225 $\pm 2$  | 345 $\pm 5$ | 150 $\pm 1$ | 355 $\pm 5$ | 850 $\pm 10$ | 995 $\pm 5$  | 150 $\pm 1$ | 355 $\pm 5$  | 1500 $\pm 10$ | 345 $\pm 5$  | 150 $\pm 1$ | 855 $\pm 5$ | 1350 $\pm 10$ |
| 315 X 300 | 318.5 $\phi \pm 1$  | 315 $\phi \pm 1.9$ | 345 $\pm 3$   | 256 $\pm 2$  | 340 $\pm 5$ | 180 $\pm 1$ | 330 $\pm 5$ | 850 $\pm 10$ | 995 $\pm 5$  | 180 $\pm 1$ | 325 $\pm 5$  | 1500 $\pm 10$ | 340 $\pm 5$  | 180 $\pm 1$ | 830 $\pm 5$ | 1350 $\pm 10$ |
| 355 X 350 | 355.6 $\phi \pm 1$  | 355 $\phi \pm 2.2$ | 390 $\pm 3$   | 290 $\pm 2$  | 375 $\pm 5$ | 200 $\pm 1$ | 395 $\pm 5$ | 970 $\pm 10$ |              |             |              |               |              |             |             |               |
| 400 X 400 | 406.4 $\phi \pm 1$  | 400 $\phi \pm 2.4$ | 440 $\pm 3$   | 327 $\pm 2$  | 380 $\pm 5$ | 220 $\pm 1$ | 395 $\pm 5$ | 995 $\pm 10$ |              |             |              |               |              |             |             |               |
| 63 X 50   | 60.5 $\phi \pm 1$   | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   |             |             |             |              | 1495 $\pm 5$ | 65 $\pm 1$  | 940 $\pm 5$  | 2500 $\pm 10$ |              |             |             |               |
| 63 X 50   | 60.5 $\phi \pm 1$   | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   |             |             |             |              | 1795 $\pm 5$ | 65 $\pm 1$  | 940 $\pm 5$  | 2800 $\pm 10$ |              |             |             |               |
| 63 X 32   | 42.7 $\phi \pm 0.5$ | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   |             |             |             |              | 1595 $\pm 5$ | 65 $\pm 1$  | 940 $\pm 5$  | 2600 $\pm 10$ |              |             |             |               |
| 63 X 50   | 60.5 $\phi \pm 1$   | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   |             |             |             |              | 1395 $\pm 5$ | 65 $\pm 1$  | 940 $\pm 5$  | 2400 $\pm 10$ |              |             |             |               |
| 63 X 50   | 60.5 $\phi \pm 1$   | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   |             |             |             |              | 1595 $\pm 5$ | 65 $\pm 1$  | 940 $\pm 5$  | 2600 $\pm 10$ |              |             |             |               |
| 63 X 50   | 60.5 $\phi \pm 1$   | 63 $\phi \pm 0.4$  | 70 $\pm 3$    | 51 $\pm 2$   |             |             |             |              | 1495 $\pm 5$ | 65 $\pm 1$  | 1240 $\pm 5$ | 2800 $\pm 10$ |              |             |             |               |
| 63 X 50   |                     |                    |               |              |             |             |             |              | 795 $\pm 5$  | 65 $\pm 1$  | 440 $\pm 5$  | 1300 $\pm 10$ |              |             |             |               |
| 63 X 50   |                     |                    |               |              |             |             |             |              | 1795 $\pm 5$ | 65 $\pm 1$  | 540 $\pm 5$  | 2400 $\pm 10$ |              |             |             |               |



| NO | DESCRIPTION  | M'TL      | Q'TY | REMARKS                  |
|----|--------------|-----------|------|--------------------------|
| 1  | HEAD PIPE    | KS D 3631 | 1    |                          |
| 2  | PIPE HOUSING | KS D 3562 | 1    | KS D 3562 / A106         |
| 3  | 내경 GUIDE     | KS D 3631 | 1    | KS D 3631/KS D 3562/A106 |
| 4  | PE PIPE      | KS M 3514 | 1    |                          |
| 5  | O-RING       | NBR       | 3    |                          |

|        |            |                    |          |          |          |          |
|--------|------------|--------------------|----------|----------|----------|----------|
| 3      |            |                    |          |          |          |          |
| 2      | 2023.10.17 | TRANSITION FITTING | M.C.CHO  | S.S.SONG |          | K.L.CHO  |
| 1      | 2021.07.12 | TRANSITION FITTING | M.C.CHO  | S.S.SONG |          | K.L.CHO  |
| REV NO | DATE       | DESCRIPTION        | PREPARED | CHECKED  | REVIEWED | APPROVED |

이형질 이음관 치수 도면

|          |           |            |  |                |            |
|----------|-----------|------------|--|----------------|------------|
| STYLE    |           |            |  |                |            |
| SIZE     | ALL       |            |  | CLASS          | 0.4 MPA    |
|          | SIGNATURE | DATE       |  | HYDRAULIC TEST |            |
| APPROVED | K.L.CHO   | 2023.10.17 |  | AIR TEST       |            |
| REVIEWED |           |            |  | SCALE          | N / S      |
| CHECKED  | S.S.SONG  | 2023.10.17 |  | DATE           | 2023.10.17 |
| PREPARED | M.C.CHO   | 2023.10.17 |  | D.W.G NO       | D23-10-17  |



WONIL ENGINEERING