



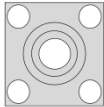
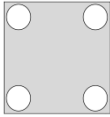
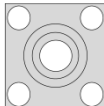
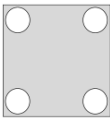
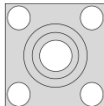
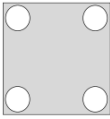
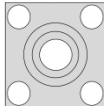
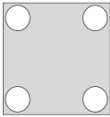


SQUARE FLANGES
JIS B2291/JIS F7806



ReliableFluid

SYSTEMS

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Square Flanges

Specifications:

JIS B2291 - Socket Welding Pipe Flanges to be used for Pressures of 210 kg/cm²

JIS F7806 – Socket Welding Pipe Flanges to be used for Pressures of 280 kg/cm² and 350 kg/cm²

Material Specifications:

(SF440A) Hydraulic Steel

(SS316) Stainless Steel

Size Range:

(SF440A) Hydraulic Steel : 1/4" – 6"NB

(SS316) Stainless Steel : 3/8" – 3"NB

Working Pressure:

SHAB/SSAB - 210kg/cm²

KAB - 280kg/cm², 350kg/cm²

Flange Series:

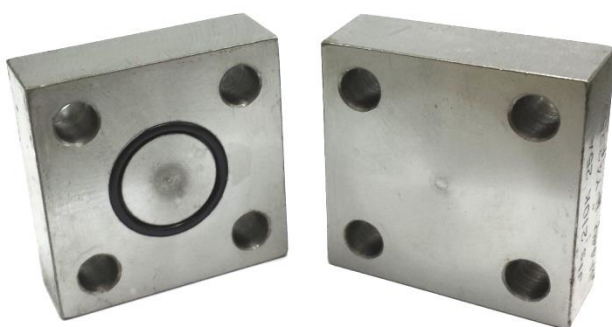
(SHAB) SHAB Square Flange using Hexagon Hex Bolts (Larger Flange Body)

(SSAB) SSAB Square Flange using Socket Cap Screws (Smaller Flange Body)

(KAB) KAB Square Flange using Hexagon Hex Bolts

Flange Screws:

Metric screws according to DIN 912-8.8 (Standard)



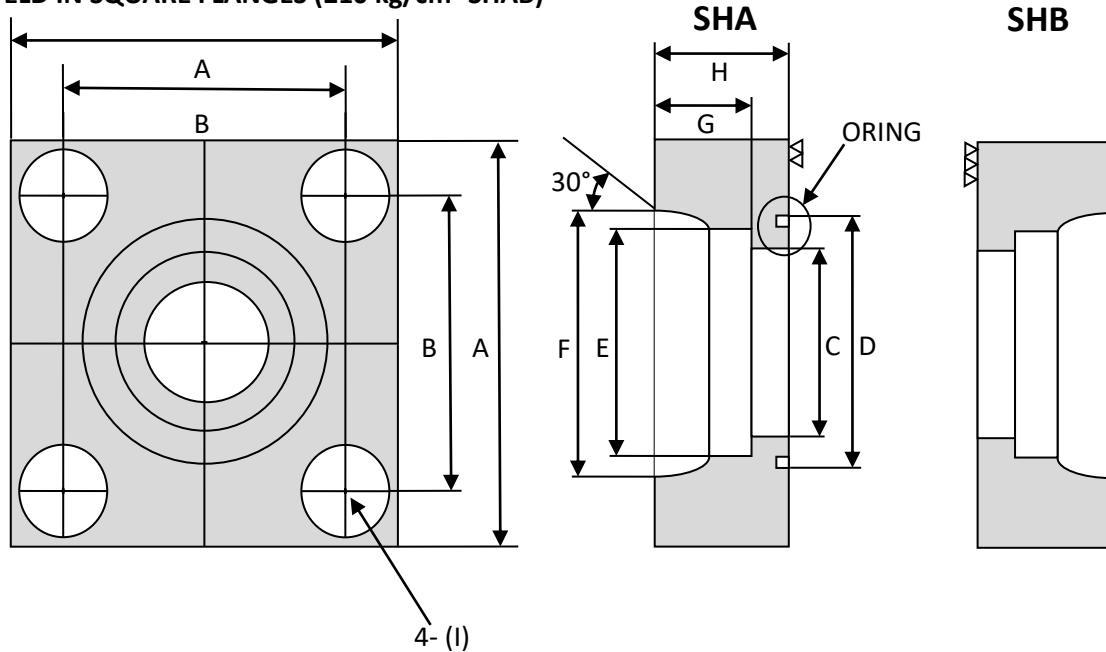
Oring and Flat Square Blind Flanges



SHAB

SSAB

WELD IN SQUARE FLANGES (210 kg/cm² SHAB)



SHAB (210 KG/CM²)

| SIZE | ORING | PART NUMBER | DIMENSIONS | | | | | | | | | BOLT LENGTH (MINIMUM) | WEIGHT |
|------|-------|-----------------|------------|-----|-------|-----|-------|-----|----|----|----|-----------------------|-----------|
| | | | A | B | C | D | E | F | G | H | I | | |
| 8 | G25 | FL-SQ-H-SHAB-04 | 63 | 40 | 8 | 30 | 14.3 | 24 | 11 | 22 | 11 | M10 x 55 | 1.30 KGS |
| 10 | G25 | FL-SQ-H-SHAB-06 | 63 | 40 | 11.5 | 30 | 17.8 | 28 | 11 | 22 | 11 | M10 x 55 | 1.30 KGS |
| 15 | G25 | FL-SQ-H-SHAB-08 | 63 | 40 | 16 | 30 | 22.2 | 32 | 11 | 22 | 11 | M10 x 55 | 1.40 KGS |
| 20 | G30 | FL-SQ-H-SHAB-12 | 68 | 45 | 20 | 35 | 27.7 | 38 | 12 | 22 | 11 | M10 x 55 | 1.50 KGS |
| 25 | G35 | FL-SQ-H-SHAB-16 | 80 | 53 | 25 | 40 | 34.5 | 45 | 14 | 28 | 13 | M12 x 70 | 2.60 KGS |
| 32 | G40 | FL-SQ-H-SHAB-20 | 90 | 63 | 31.5 | 45 | 43.2 | 56 | 16 | 28 | 13 | M12 x 70 | 3.15 KGS |
| 40 | G50 | FL-SQ-H-SHAB-24 | 100 | 70 | 37.5 | 55 | 49.1 | 63 | 18 | 36 | 18 | M16 x 90 | 5.10 KGS |
| 50 | G60 | FL-SQ-H-SHAB-32 | 112 | 80 | 47.5 | 65 | 61.1 | 75 | 20 | 36 | 18 | M16 x 90 | 5.90 KGS |
| 65 | G75 | FL-SQ-H-SHAB-40 | 140 | 100 | 60 | 80 | 77.1 | 95 | 22 | 45 | 22 | M20 x 110 | 11.40 KGS |
| 80 | G85 | FL-SQ-H-SHAB-48 | 155 | 112 | 71 | 90 | 90 | 108 | 25 | 45 | 24 | M22 x 120 | 14.10 KGS |
| 100 | G105 | FL-SQ-H-SHAB-64 | 190 | 140 | 87.3 | 110 | 115.4 | 135 | 28 | 60 | 27 | M24 x 140 | 25.50 KGS |
| 125 | G130 | FL-SQ-H-SHAB-80 | 230 | 168 | 120.8 | 135 | 141.2 | 164 | 30 | 65 | 32 | M30 x 170 | 41.00 KGS |
| 150 | G155 | FL-SQ-H-SHAB-96 | 270 | 195 | 128.8 | 165 | 166.9 | 193 | 35 | 80 | 39 | M36 x 190 | 68.50 KGS |

Designation for Order:

Double Flanges, SHAB
(Flat side & Oring side)

| | |
|--------|------------------|
| SF440A | FL-SQ-H...SHAB.. |
| SS316 | FL-SQ-S...SHAB.. |

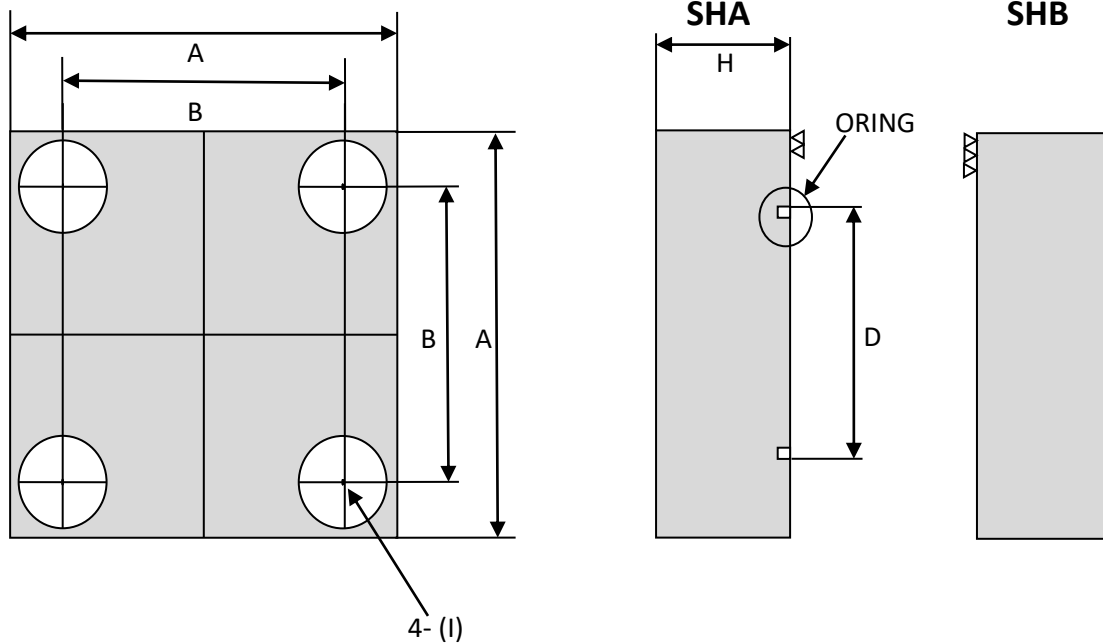
Counter-Flanges, SHA
(Oring side)

| | |
|--------|-----------------|
| SF440A | FL-SQ-H...SHA.. |
| SS316 | FL-SQ-S...SHA.. |

Flanges, SHB
(Flat side)

| | |
|--------|-----------------|
| SF440A | FL-SQ-H...SHB.. |
| SS316 | FL-SQ-S...SHB.. |

BLIND SQUARE FLANGES (210 kg/cm² SHA/SHB)



SHA/SHB (210 KG/CM²)

| SIZE | ORING | PART NUMBER (ORING SIDE) | PART NUMBER (FLAT SIDE) | DIMENSIONS | | | | | | |
|------|-------|-----------------------------|----------------------------|------------|-----|-----|----|----|-----------------------------|-----------|
| | | | | A | B | D | H | I | BOLT LENGTH (MINIMUM) | WEIGHT |
| 8 | G25 | FL-SQ-H-SHA-BL-04 | FL-SQ-H-SHB-BL-04 | 63 | 40 | 30 | 22 | 11 | M10 x 55 | 1.30 KGS |
| 10 | G25 | FL-SQ-H-SHA-BL-06 | FL-SQ-H-SHB-BL-06 | 63 | 40 | 30 | 22 | 11 | M10 x 55 | 1.30 KGS |
| 15 | G25 | FL-SQ-H-SHA-BL-08 | FL-SQ-H-SHB-BL-08 | 63 | 40 | 30 | 22 | 11 | M10 x 55 | 1.40 KGS |
| 20 | G30 | FL-SQ-H-SHA-BL-12 | FL-SQ-H-SHB-BL-12 | 68 | 45 | 35 | 22 | 11 | M10 x 55 | 1.50 KGS |
| 25 | G35 | FL-SQ-H-SHA-BL-16 | FL-SQ-H-SHB-BL-16 | 80 | 53 | 40 | 28 | 13 | M12 x 70 | 2.60 KGS |
| 32 | G40 | FL-SQ-H-SHA-BL-20 | FL-SQ-H-SHB-BL-20 | 90 | 63 | 45 | 28 | 13 | M12 x 70 | 3.15 KGS |
| 40 | G50 | FL-SQ-H-SHA-BL-24 | FL-SQ-H-SHB-BL-24 | 100 | 70 | 55 | 36 | 18 | M16 x 90 | 5.10 KGS |
| 50 | G60 | FL-SQ-H-SHA-BL-32 | FL-SQ-H-SHB-BL-32 | 112 | 80 | 65 | 36 | 18 | M16 x 90 | 5.90 KGS |
| 65 | G75 | FL-SQ-H-SHA-BL-40 | FL-SQ-H-SHB-BL-40 | 140 | 100 | 80 | 45 | 22 | M20 x 110 | 11.40 KGS |
| 80 | G85 | FL-SQ-H-SHA-BL-48 | FL-SQ-H-SHB-BL-48 | 155 | 112 | 90 | 45 | 24 | M22 x 120 | 14.10 KGS |
| 100 | G105 | FL-SQ-H-SHA-BL-64 | FL-SQ-H-SHB-BL-64 | 190 | 140 | 110 | 60 | 27 | M24 x 140 | 25.50 KGS |
| 125 | G130 | FL-SQ-H-SHA-BL-80 | FL-SQ-H-SHB-BL-80 | 230 | 168 | 135 | 65 | 32 | M30 x 170 | 41.00 KGS |
| 150 | G155 | FL-SQ-H-SHA-BL-96 | FL-SQ-H-SHB-BL-96 | 270 | 195 | 165 | 80 | 39 | M36 x 190 | 68.50 KGS |

Designation for Order:

Counter-Flanges, SHA

(Oring side)

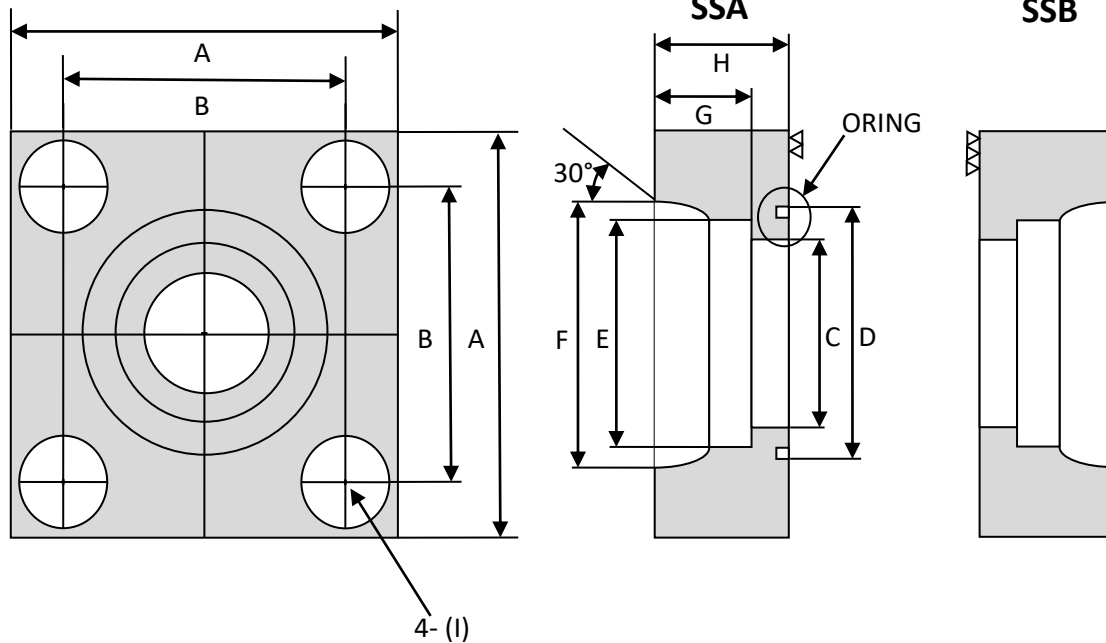
| | |
|--------|--------------------|
| SF440A | FL-SQ-H...SHA-BL.. |
| SS316 | FL-SQ-S...SHA-BL.. |

Flanges, SHB

(Flat side)

| | |
|--------|--------------------|
| SF440A | FL-SQ-H...SHB-BL.. |
| SS316 | FL-SQ-S...SHB-BL.. |

WELD IN SQUARE FLANGES (210 kg/cm² SSAB)



SSAB (210 KG/CM²)

| SIZE | ORING | PART NUMBER | DIMENSIONS | | | | | | | | | BOLT LENGTH (MINIMUM) | WEIGHT |
|------|-------|-----------------|------------|-----|------|----|------|-----|----|----|----|-----------------------|----------|
| | | | A | B | C | D | E | F | G | H | I | | |
| 10 | G25 | FL-SQ-H-SSAB-06 | 54 | 36 | 11.5 | 30 | 17.8 | 28 | 11 | 22 | 11 | M10 x 40 | 1.00 KGS |
| 15 | G25 | FL-SQ-H-SSAB-08 | 54 | 36 | 16 | 30 | 22.2 | 32 | 11 | 22 | 11 | M10 x 40 | 1.00 KGS |
| 20 | G30 | FL-SQ-H-SSAB-12 | 58 | 40 | 20 | 35 | 27.7 | 38 | 12 | 22 | 11 | M10 x 40 | 1.20 KGS |
| 25 | G35 | FL-SQ-H-SSAB-16 | 68 | 48 | 25 | 40 | 34.5 | 45 | 14 | 28 | 13 | M12 x 50 | 1.60 KGS |
| 32 | G40 | FL-SQ-H-SSAB-20 | 76 | 56 | 31.5 | 45 | 43.2 | 56 | 16 | 28 | 13 | M12 x 50 | 2.00 KGS |
| 40 | G50 | FL-SQ-H-SSAB-24 | 92 | 65 | 37.5 | 55 | 49.1 | 63 | 18 | 36 | 18 | M16 x 65 | 3.80 KGS |
| 50 | G60 | FL-SQ-H-SSAB-32 | 100 | 73 | 47.5 | 65 | 61.1 | 75 | 20 | 36 | 18 | M16 x 65 | 4.00 KGS |
| 65 | G75 | FL-SQ-H-SSAB-40 | 128 | 92 | 60 | 80 | 77.1 | 95 | 22 | 45 | 22 | M20 x 85 | 8.20 KGS |
| 80 | G85 | FL-SQ-H-SSAB-48 | 140 | 103 | 71 | 90 | 90.0 | 108 | 25 | 45 | 24 | M22 x 85 | 9.40 KGS |

Designation for Order:

Double Flanges, SSAB
(Flat side & Oring side)

| | |
|--------|------------------|
| SF440A | FL-SQ-H...SSAB.. |
| SS316 | FL-SQ-S...SSAB.. |

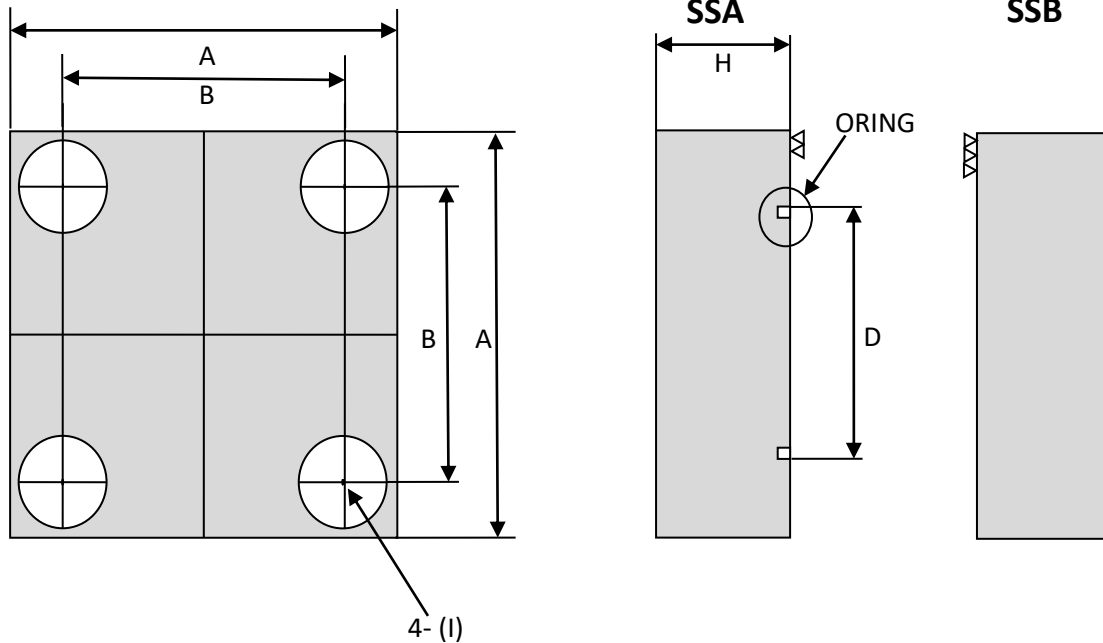
Counter-Flanges, SSA
(Oring side)

| | |
|--------|-----------------|
| SF440A | FL-SQ-H...SSA.. |
| SS316 | FL-SQ-S...SSA.. |

Flanges, SSB
(Flat side)

| | |
|--------|-----------------|
| SF440A | FL-SQ-H...SSB.. |
| SS316 | FL-SQ-S...SSB.. |

BLIND SQUARE FLANGES (210 kg/cm² SSA/SSB)



SSAB (210 KG/CM²)

| SIZE | ORING | PART NUMBER (ORING SIDE) | PART NUMBER (FLAT SIDE) | DIMENSIONS | | | | | | BOLT LENGTH (MINIMUM) | WEIGHT |
|------|-------|-----------------------------|----------------------------|------------|-----|----|----|----|----------|-----------------------------|--------|
| | | | | A | B | D | H | I | | | |
| 10 | G25 | FL-SQ-H-SSA-BL-06 | FL-SQ-H-SSB-BL-06 | 54 | 36 | 30 | 22 | 11 | M10 x 40 | 1.00 KGS | |
| 15 | G25 | FL-SQ-H-SSA-BL-08 | FL-SQ-H-SSB-BL-08 | 54 | 36 | 30 | 22 | 11 | M10 x 40 | 1.00 KGS | |
| 20 | G30 | FL-SQ-H-SSA-BL-12 | FL-SQ-H-SSB-BL-12 | 58 | 40 | 35 | 22 | 11 | M10 x 40 | 1.20 KGS | |
| 25 | G35 | FL-SQ-H-SSA-BL-16 | FL-SQ-H-SSB-BL-16 | 68 | 48 | 40 | 28 | 13 | M12 x 50 | 1.60 KGS | |
| 32 | G40 | FL-SQ-H-SSA-BL-20 | FL-SQ-H-SSB-BL-20 | 76 | 56 | 45 | 28 | 13 | M12 x 50 | 2.00 KGS | |
| 40 | G50 | FL-SQ-H-SSA-BL-24 | FL-SQ-H-SSB-BL-24 | 92 | 65 | 55 | 36 | 18 | M16 x 65 | 3.80 KGS | |
| 50 | G60 | FL-SQ-H-SSA-BL-32 | FL-SQ-H-SSB-BL-32 | 100 | 73 | 65 | 36 | 18 | M16 x 65 | 4.00 KGS | |
| 65 | G75 | FL-SQ-H-SSA-BL-40 | FL-SQ-H-SSB-BL-40 | 128 | 92 | 80 | 45 | 22 | M20 x 85 | 8.20 KGS | |
| 80 | G85 | FL-SQ-H-SSA-BL-48 | FL-SQ-H-SSB-BL-48 | 140 | 103 | 90 | 45 | 24 | M22 x 85 | 9.40 KGS | |

Designation for Order:

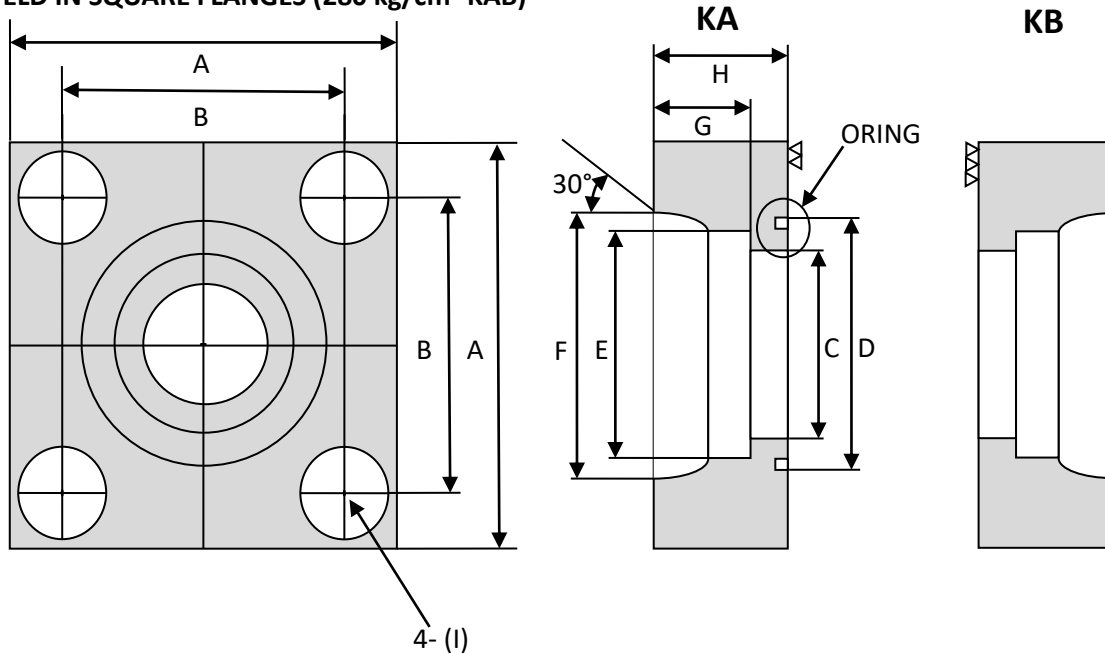
Counter-Flanges, SSA
(Oring side)

| | |
|--------|--------------------|
| SF440A | FL-SQ-H...SSA-BL.. |
| SS316 | FL-SQ-S...SSA-BL.. |

Flanges, SSB
(Flat side)

| | |
|--------|--------------------|
| SF440A | FL-SQ-H...SSB-BL.. |
| SS316 | FL-SQ-S...SSB-BL.. |

WELD IN SQUARE FLANGES (280 kg/cm² KAB)



KAB (280 KG/CM²)

| SIZE | ORING | PART NUMBER | DIMENSIONS | | | | | | | | | BOLT LENGTH (MINIMUM) | WEIGHT |
|------|-------|--------------------|------------|-----|------|----|------|-----|----|----|------|-----------------------|-----------|
| | | | A | B | C | D | E | F | G | H | I | | |
| 15 | P20 | FL-SQ-H-KAB-280-08 | 66 | 43 | 12.3 | 24 | 22.2 | 34 | 12 | 22 | 11 | M10 x 55 | 1.26 KGS |
| 20 | G25 | FL-SQ-H-KAB-280-12 | 72 | 48 | 16.2 | 30 | 27.7 | 40 | 12 | 25 | 11 | M10 x 70 | 1.70 KGS |
| 25 | G30 | FL-SQ-H-KAB-280-16 | 85 | 58 | 21.2 | 35 | 34.5 | 48 | 14 | 35 | 13.5 | M12 x 90 | 3.28 KGS |
| 32 | G40 | FL-SQ-H-KAB-280-20 | 98 | 68 | 29.9 | 45 | 43.2 | 60 | 18 | 35 | 17.5 | M16 x 90 | 4.06 KGS |
| 40 | G45 | FL-SQ-H-KAB-280-24 | 105 | 74 | 34.4 | 50 | 49.1 | 66 | 20 | 40 | 17.5 | M16 x 100 | 5.32 KGS |
| 50 | G55 | FL-SQ-H-KAB-280-32 | 130 | 90 | 43.1 | 60 | 61.1 | 79 | 20 | 50 | 22 | M20 x 120 | 10.28 KGS |
| 65 | G70 | FL-SQ-H-KAB-280-40 | 150 | 108 | 57.3 | 75 | 77.1 | 100 | 25 | 60 | 24 | M22 x 140 | 15.90 KGS |
| 80 | G80 | FL-SQ-H-KAB-280-48 | 170 | 120 | 66.9 | 85 | 90 | 114 | 25 | 65 | 26 | M24 x 160 | 22.00 KGS |

Designation for Order:

Double Flanges, KAB
(Flat side & Oring side)

| | |
|--------|-----------------|
| SF440A | FL-SQ-H...KAB.. |
| SS316 | FL-SQ-S...KAB.. |

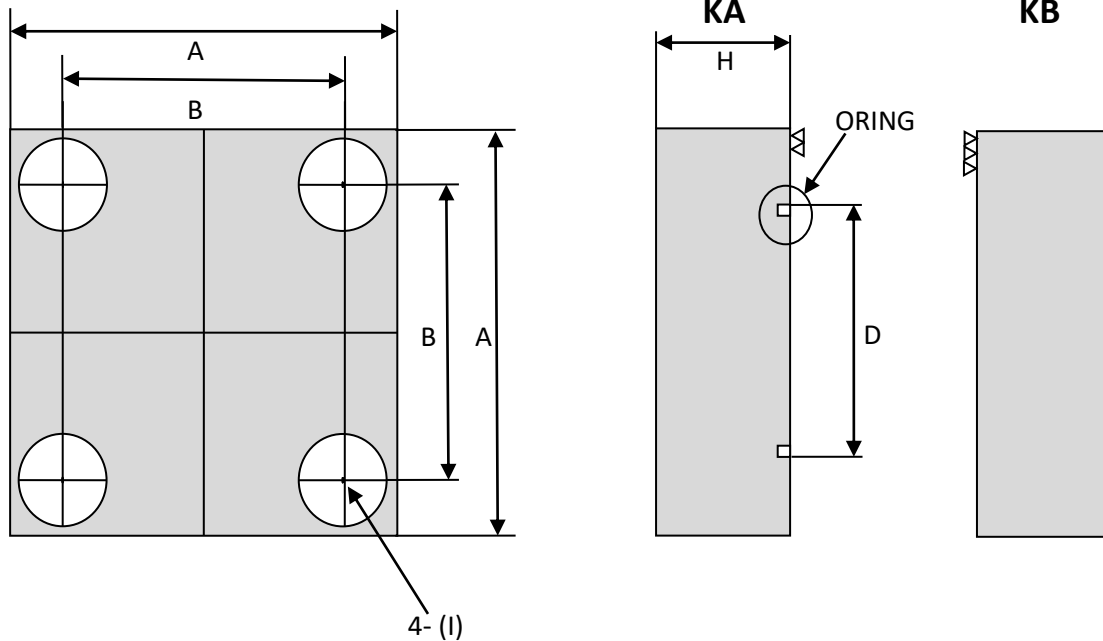
Counter-Flanges, KA
(Oring side)

| | |
|--------|----------------|
| SF440A | FL-SQ-H...KA.. |
| SS316 | FL-SQ-S...KA.. |

Flanges, KB
(Flat side)

| | |
|--------|----------------|
| SF440A | FL-SQ-H...KB.. |
| SS316 | FL-SQ-S...KB.. |

BLIND SQUARE FLANGES (280 kg/cm² KA/KB)



KA/KB (280 KG/CM²)

| SIZE | ORING | PART NUMBER (ORING SIDE) | PART NUMBER (FLAT SIDE) | DIMENSIONS | | | | | | |
|------|-------|-----------------------------|----------------------------|------------|-----|----|----|------|-----------------------------|-----------|
| | | | | A | B | D | H | I | BOLT LENGTH (MINIMUM) | WEIGHT |
| 15 | P20 | FL-SQ-H-KA-BL-280-08 | FL-SQ-H-KB-BL-280-08 | 66 | 43 | 24 | 22 | 11 | M10 x 55 | 1.26 KGS |
| 20 | G25 | FL-SQ-H-KA-BL-280-12 | FL-SQ-H-KB-BL-280-12 | 72 | 48 | 30 | 25 | 11 | M10 x 70 | 1.70 KGS |
| 25 | G30 | FL-SQ-H-KA-BL-280-16 | FL-SQ-H-KB-BL-280-16 | 85 | 58 | 35 | 35 | 13.5 | M12 x 90 | 3.28 KGS |
| 32 | G40 | FL-SQ-H-KA-BL-280-20 | FL-SQ-H-KB-BL-280-20 | 98 | 68 | 45 | 35 | 17.5 | M16 x 90 | 4.06 KGS |
| 40 | G45 | FL-SQ-H-KA-BL-280-24 | FL-SQ-H-KB-BL-280-24 | 105 | 74 | 50 | 40 | 17.5 | M16 x 100 | 5.32 KGS |
| 50 | G55 | FL-SQ-H-KA-BL-280-32 | FL-SQ-H-KB-BL-280-32 | 130 | 90 | 60 | 50 | 22 | M20 x 120 | 10.28 KGS |
| 65 | G70 | FL-SQ-H-KA-BL-280-40 | FL-SQ-H-KB-BL-280-40 | 150 | 108 | 75 | 60 | 24 | M22 x 140 | 15.90 KGS |
| 80 | G80 | FL-SQ-H-KA-BL-280-48 | FL-SQ-H-KB-BL-280-48 | 170 | 120 | 85 | 65 | 26 | M24 x 160 | 22.00 KGS |

Designation for Order:

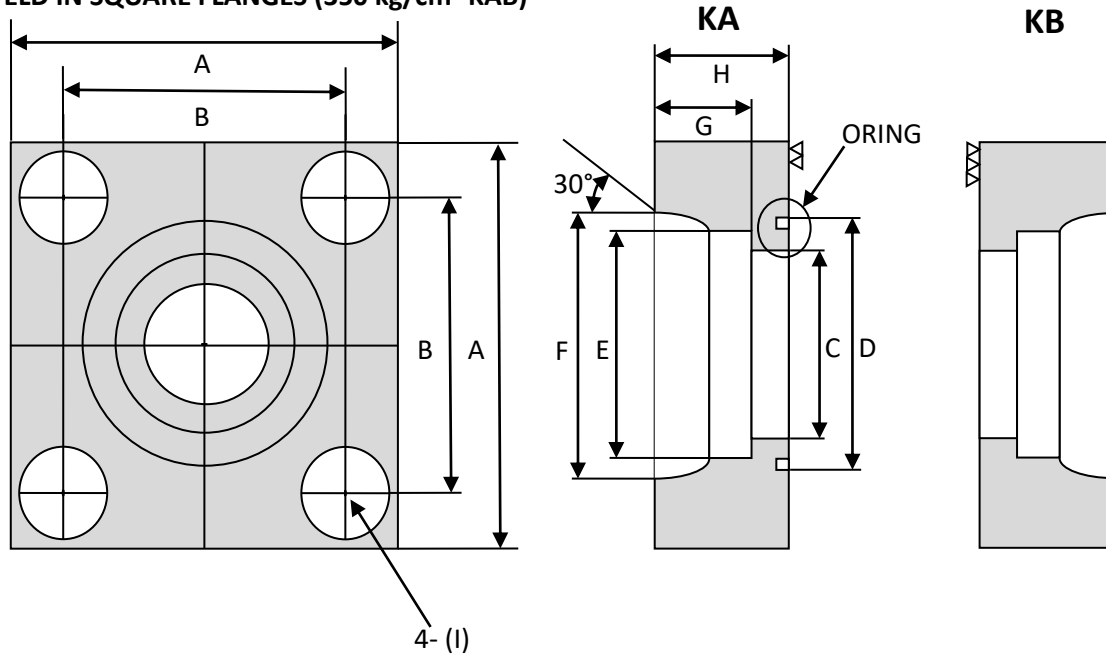
Counter-Flanges, KA
(Oring side)

| | |
|--------|-------------------|
| SF440A | FL-SQ-H...KA-BL.. |
| SS316 | FL-SQ-S...KA-BL.. |

Flanges, KB
(Flat side)

| | |
|--------|-------------------|
| SF440A | FL-SQ-H...KB-BL.. |
| SS316 | FL-SQ-S...KB-BL.. |

WELD IN SQUARE FLANGES (350 kg/cm² KAB)



KAB (350 KG/CM²)

| SIZE | ORING | PART NUMBER | DIMENSIONS | | | | | | | | | BOLT LENGTH (MINIMUM) | WEIGHT |
|------|-------|--------------------|------------|-----|------|----|------|------|----|----|------|-----------------------|-----------|
| | | | A | B | C | D | E | F | G | H | I | | |
| 15 | P20 | FL-SQ-H-KAB-350-08 | 68 | 45 | 12.3 | 24 | 22.2 | 37.5 | 12 | 28 | 11 | M10 x 70 | 1.76 KGS |
| 20 | G25 | FL-SQ-H-KAB-350-12 | 82 | 55 | 16.2 | 30 | 27.7 | 43.5 | 12 | 30 | 13.5 | M12 x 80 | 2.68 KGS |
| 25 | G30 | FL-SQ-H-KAB-350-16 | 95 | 65 | 21.2 | 35 | 34.5 | 53 | 14 | 35 | 17.5 | M16 x 90 | 4.04 KGS |
| 32 | G35 | FL-SQ-H-KAB-350-20 | 100 | 70 | 23.3 | 40 | 43.2 | 63 | 18 | 35 | 17.5 | M16 x 90 | 4.32 KGS |
| 40 | G40 | FL-SQ-H-KAB-350-24 | 105 | 75 | 28.2 | 45 | 49.1 | 70 | 20 | 42 | 17.5 | M16 x 100 | 5.68 KGS |
| 50 | G50 | FL-SQ-H-KAB-350-32 | 132 | 92 | 38.3 | 55 | 61.1 | 84 | 25 | 50 | 22 | M20 x 120 | 10.60 KGS |
| 65 | G60 | FL-SQ-H-KAB-350-40 | 160 | 112 | 48.3 | 65 | 77.1 | 105 | 30 | 60 | 26 | M24 x 160 | 19.84 KGS |
| 80 | G70 | FL-SQ-H-KAB-350-48 | 190 | 130 | 58.7 | 75 | 90 | 120 | 30 | 68 | 33 | M30 x 170 | 29.60 KGS |

Designation for Order:

Double Flanges, KAB
(Flat side & Oring side)

| | |
|--------|-----------------|
| SF440A | FL-SQ-H...KAB.. |
| SS316 | FL-SQ-S...KAB.. |

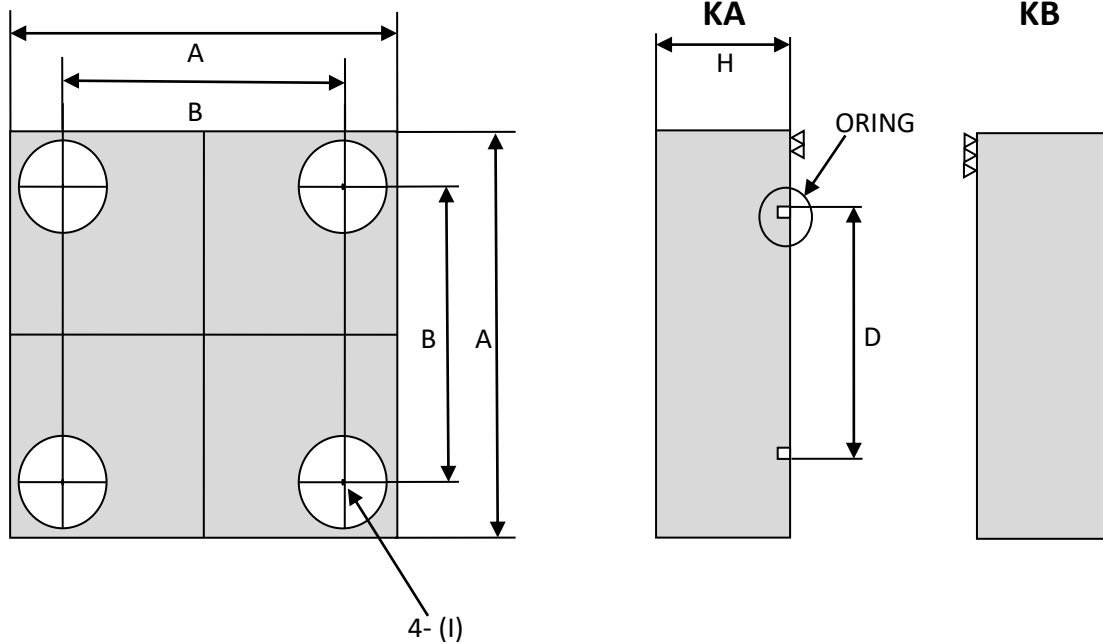
Counter-Flanges, KA
(Oring side)

| | |
|--------|----------------|
| SF440A | FL-SQ-H...KA.. |
| SS316 | FL-SQ-S...KA.. |

Flanges, KB
(Flat side)

| | |
|--------|----------------|
| SF440A | FL-SQ-H...KB.. |
| SS316 | FL-SQ-S...KB.. |

BLIND SQUARE FLANGES (350 kg/cm² KA/KB)



KA/KB (350 KG/CM²)

| SIZE | ORING | PART NUMBER (ORING SIDE) | PART NUMBER (FLAT SIDE) | DIMENSIONS | | | | | | |
|------|-------|-----------------------------|----------------------------|------------|-----|----|----|------|-----------------------------|-----------|
| | | | | A | B | D | H | I | BOLT LENGTH (MINIMUM) | WEIGHT |
| 15 | P20 | FL-SQ-H-KA-BL-350-08 | FL-SQ-H-KB-BL-350-08 | 68 | 45 | 24 | 28 | 11 | M10 x 70 | 1.76 KGS |
| 20 | G25 | FL-SQ-H-KA-BL-350-12 | FL-SQ-H-KB-BL-350-12 | 82 | 55 | 30 | 30 | 13.5 | M12 x 80 | 2.68 KGS |
| 25 | G30 | FL-SQ-H-KA-BL-350-16 | FL-SQ-H-KB-BL-350-16 | 95 | 65 | 35 | 35 | 17.5 | M16 x 90 | 4.04 KGS |
| 32 | G35 | FL-SQ-H-KA-BL-350-20 | FL-SQ-H-KB-BL-350-20 | 100 | 70 | 40 | 35 | 17.5 | M16 x 90 | 4.32 KGS |
| 40 | G40 | FL-SQ-H-KA-BL-350-24 | FL-SQ-H-KB-BL-350-24 | 105 | 75 | 45 | 42 | 17.5 | M16 x 100 | 5.68 KGS |
| 50 | G50 | FL-SQ-H-KA-BL-350-32 | FL-SQ-H-KB-BL-350-32 | 132 | 92 | 55 | 50 | 22 | M20 x 120 | 10.60 KGS |
| 65 | G60 | FL-SQ-H-KA-BL-350-40 | FL-SQ-H-KB-BL-350-40 | 160 | 112 | 65 | 60 | 26 | M24 x 160 | 19.84 KGS |
| 80 | G70 | FL-SQ-H-KA-BL-350-48 | FL-SQ-H-KB-BL-350-48 | 190 | 130 | 75 | 68 | 33 | M30 x 170 | 29.60 KGS |

Designation for Order:

Counter-Flanges, KA
(Oring side)

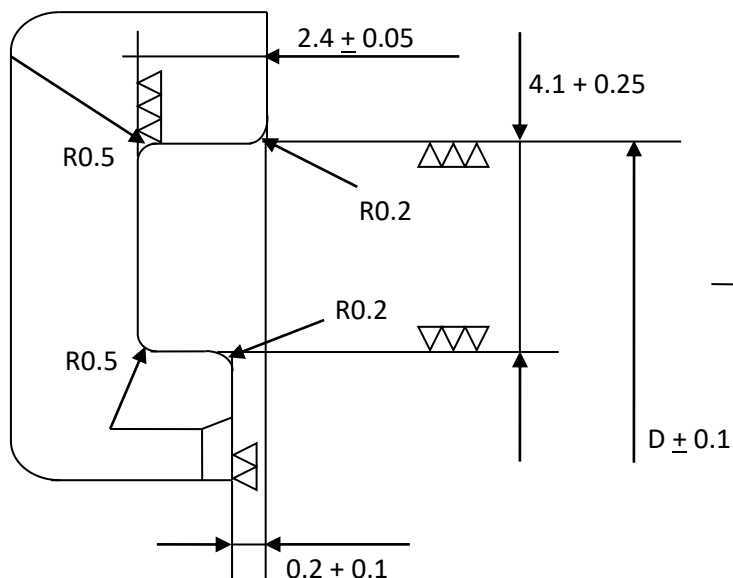
| | |
|--------|-------------------|
| SF440A | FL-SQ-H...KA-BL.. |
| SS316 | FL-SQ-S...KA-BL.. |

Flanges, KB
(Flat side)

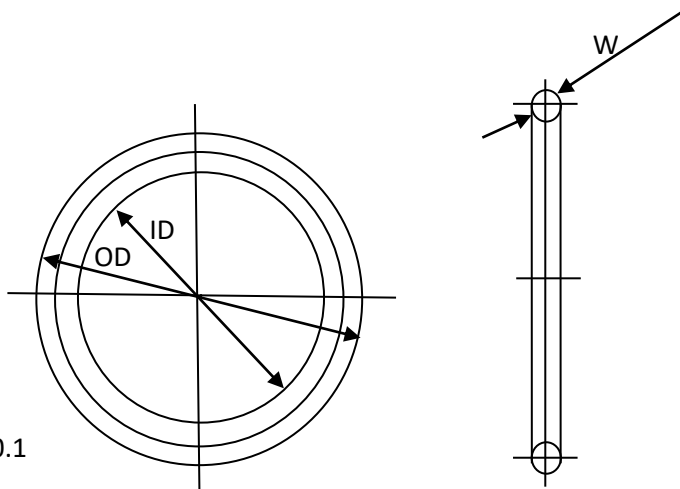
| | |
|--------|-------------------|
| SF440A | FL-SQ-H...KB-BL.. |
| SS316 | FL-SQ-S...KB-BL.. |

ORING GROOVE & ORING DIMENSION FOR 210 KG/CM² SQUARE FLANGES

ORING GROOVE



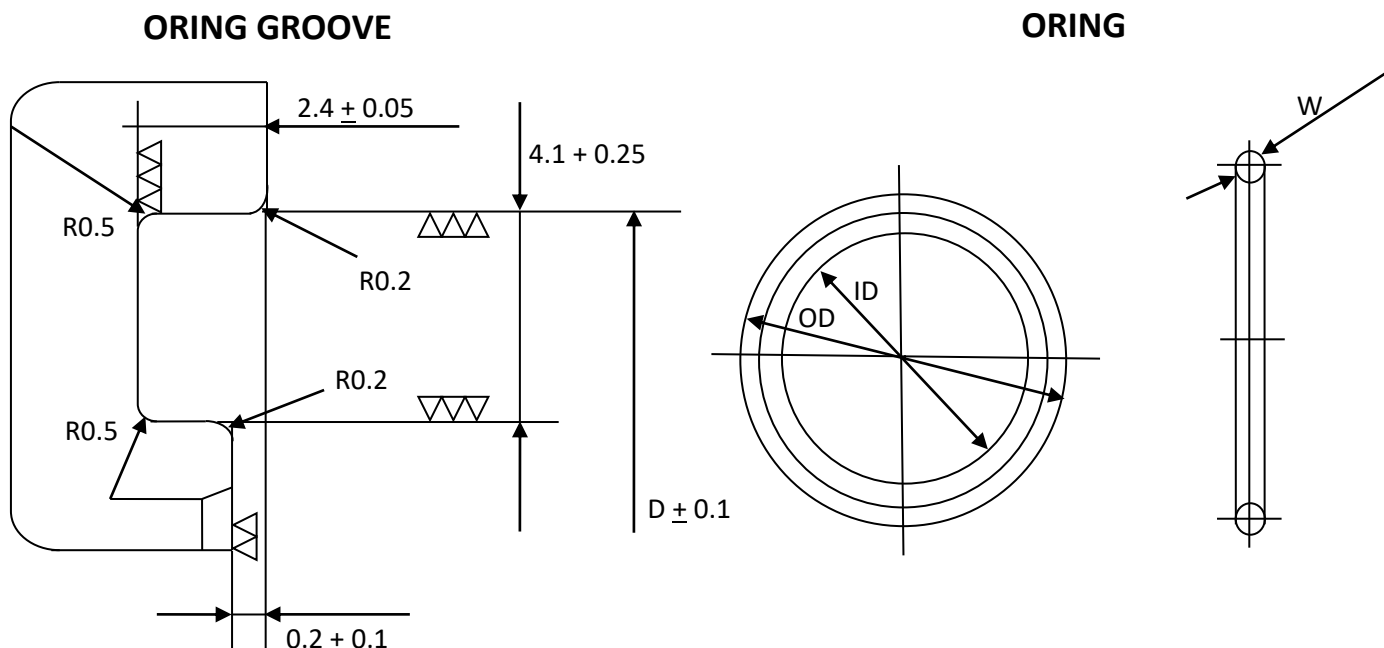
ORING



SHAB & SSAB (210 KG/CM²) ORING DIMENSION

| SIZE | INCH | PART NUMBER | DIMENSIONS | | |
|------|--------|-------------|------------|--------|-----|
| | | | OD | ID | W |
| 8 | 1/4" | G25 | 30.60 | 24.40 | 3.1 |
| 10 | 3/8" | G25 | 30.60 | 24.40 | 3.1 |
| 15 | 1/2" | G25 | 30.60 | 24.40 | 3.1 |
| 20 | 3/4" | G30 | 35.60 | 29.40 | 3.1 |
| 25 | 1" | G35 | 40.60 | 34.40 | 3.1 |
| 32 | 1 1/4" | G40 | 45.60 | 39.40 | 3.1 |
| 40 | 1 1/2" | G50 | 55.60 | 49.40 | 3.1 |
| 50 | 2" | G60 | 65.60 | 59.40 | 3.1 |
| 65 | 2 1/2" | G75 | 80.60 | 74.40 | 3.1 |
| 80 | 3" | G85 | 90.60 | 84.40 | 3.1 |
| 100 | 4" | G105 | 110.60 | 104.40 | 3.1 |
| 125 | 5" | G130 | 135.60 | 129.40 | 3.1 |
| 150 | 6" | G155 | 165.70 | 154.30 | 5.7 |

ORING GROOVE & ORING DIMENSION FOR 280 KG/CM², 350 KG/CM² SQUARE FLANGES



KAB (280 KG/CM²) ORING DIMENSION

| SIZE | INCH | PART NUMBER | DIMENSIONS | | |
|------|--------|-------------|------------|-------|------|
| | | | OD | ID | W |
| 15 | 1/2" | P20 | 24.60 | 19.80 | 2.40 |
| 20 | 3/4" | G25 | 30.60 | 24.40 | 3.10 |
| 25 | 1" | G30 | 35.60 | 29.40 | 3.10 |
| 32 | 1 1/4" | G40 | 45.60 | 39.40 | 3.10 |
| 40 | 1 1/2" | G45 | 50.60 | 44.40 | 3.10 |
| 50 | 2" | G55 | 60.60 | 54.40 | 3.10 |
| 65 | 2 1/2" | G70 | 75.60 | 69.40 | 3.10 |
| 80 | 3" | G80 | 85.60 | 79.40 | 3.10 |

KAB (350 KG/CM²) ORING DIMENSION

| SIZE | INCH | PART NUMBER | DIMENSIONS | | |
|------|--------|-------------|------------|-------|------|
| | | | OD | ID | W |
| 15 | 1/2" | P20 | 24.60 | 19.80 | 2.40 |
| 20 | 3/4" | G25 | 30.60 | 24.40 | 3.10 |
| 25 | 1" | G30 | 35.60 | 29.40 | 3.10 |
| 32 | 1 1/4" | G35 | 40.60 | 34.40 | 3.10 |
| 40 | 1 1/2" | G40 | 45.60 | 39.40 | 3.10 |
| 50 | 2" | G50 | 55.60 | 49.40 | 3.10 |
| 65 | 2 1/2" | G60 | 65.60 | 59.40 | 3.10 |
| 80 | 3" | G70 | 75.60 | 69.40 | 3.10 |

Component Selection

The selection of component for any application or system design must be considered to ensure safe performance. Component function, material compatibility, component pressure and temperature rating, proper installation, operation and maintenance remain the sole responsibility of the system designer and the user. Reliable Fluid Systems accepts no liability for any improper selection, installation, operation or maintenance.

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