



Quick Couplings
Stainless Steel Investment Casting

Before you install a stainless steel quick coupling be sure it says "KI."





Kingdom

PRECISION CASTING CO., LTD.

Features of KI Quick Couplings

- Quick connection.
- Interchange completely between Adapter and Coupler.
- Pressure-proof. Hydraulic pressure test 300 psi (21kgf/cm²) for up to 4" and 200 psi (14kgf/cm²) for 5" and up.

1. Chain Hole

2. Adapter Groove

3. Cam

8. Warning

4. Cam Lever & Cam Lever Pin

5. Hose Shank

6. Surface

7. Clip

1. Chain Hole

Transportation of kinds of fluids including liquids and gases. Application in petroleum, chemical, food industries and marine transport.

2. Adapter Groove

Machined by precision equipment to guarantee the accurate tolerance. Connection or disconnection simply by one action only, no need to twist or strain the fittings.

3. Cam

Shock-proof, heat-proof, pressure-tight and interchangeable.

4. Cam Lever & Cam Lever Pin

Non-adhesive, rustless, serviceability and safety. Solid connection with packing makes the fluids flow well and avoid leakage.

5. Hose Shank

Hose shank with sufficient length makes it easy to insert in hose without any special tool.

6. Surface

Adequate wall thickness, no weak place. Corrosion resistance increases greatly after heat treatment.

7. Clip

The Chip design is the safe way of eliminating the possibility of an accidental line disconnection.

8. Warning

Hitting the levers by hammer or other tool during fabrication is prohibited. Such action may easily break the levers.

Specifications

MIL-AA-59326 (MIL-C-27487)

Materials

Body: Stainless Steel (AISI 304/316)

Packing: Buna-N (NBR) (or Teflon, Viton on request)

Threads

ANSI B1.20.1 (NPT)

DIN 2999/259

BSP

BS 21 (PT)

Hydraulic Pressure Test

1/2" ~ 4" 300 psi (21kgf/cm²)

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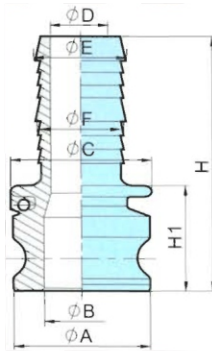
Tel: 886-7-7713121

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QUICK COUPLINGS

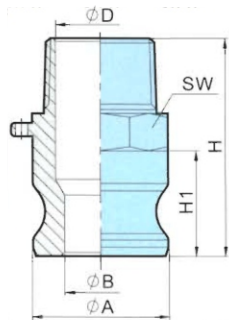
Unit:mm

KQ-E E - Adapter hose shank



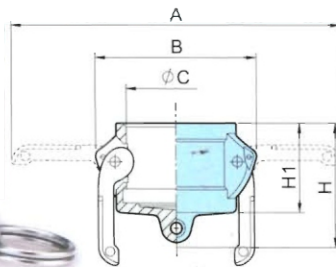
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1/2"	15	-	-	-	-	-	-	-	-
3/4"	20	32.0	21.2	33.0	13.6	20.7	19.4	37.0	87.0
1"	25	36.7	23.8	39.0	20.0	27.0	25.8	44.0	104.0
1-1/4"	32	45.5	28.6	48.0	25.8	33.9	32.9	51.0	115.0
1-1/2"	40	53.4	36.0	56.0	31.3	40.5	38.6	52.0	118.0
2"	50	63.0	45.5	66.0	43.8	52.0	51.0	56.0	132.0
2-1/2"	65	75.7	55.7	80.0	55.7	66.8	-	64.0	156.0
3"	80	91.5	73.2	101.0	68.0	79.0	-	66.0	169.0
4"	100	119.5	91.0	130.0	92.0	104.8	-	68.0	180.0

KQ-F F - Adapter male thread



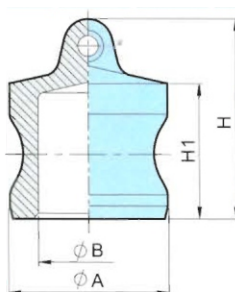
inch	NW	ϕA	ϕB	ϕD	H1	H	SW
1/2"	15	32.0	21.2	15.0	28.0	56.0	33.0
3/4"	20	32.0	21.2	21.2	28.0	56.0	33.0
1"	25	36.7	23.8	23.8	33.5	69.0	41.0
1-1/4"	32	45.5	28.6	33.0	40.0	77.0	48.0
1-1/2"	40	53.4	36.0	39.6	42.5	80.0	56.0
2"	50	63.0	45.5	50.0	47.5	89.0	65.0
2-1/2"	65	75.7	56.4	56.4	50.0	98.0	82.5
3"	80	91.5	73.2	77.5	51.0	101.0	95.8
4"	100	119.5	100.0	100.0	53.0	114.0	124.0

KQ-DC DC - Dustcap

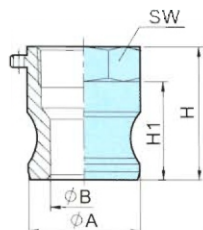


inch	NW	A	B	ϕC	H1	H
1/2"	15	-	-	-	-	-
3/4"	20	115.0	57.0	32.4	30.0	40.0
1"	25	137.0	65.6	37.3	39.0	53.0
1-1/4"	32	183.0	77.0	46.0	46.0	61.0
1-1/2"	40	191.0	85.0	54.0	48.0	64.0
2"	50	201.0	96.0	63.7	53.0	68.0
2-1/2"	65	213.0	110.4	76.5	58.0	82.0
3"	80	267.0	133.0	92.2	58.0	83.0
4"	100	296.0	166.0	120.2	63.0	93.0

KQ-DP DP - Dustplug



inch	NW	ϕA	ϕB	H1	H
1/2"	15	-	-	-	-
3/4"	20	32.0	21.2	25.0	35.0
1"	25	36.7	23.8	30.5	44.5
1-1/4"	32	45.5	28.6	37.7	52.7
1-1/2"	40	53.4	36.0	38.7	53.7
2"	50	63.0	45.5	42.8	57.8
2-1/2"	65	75.7	56.4	46.0	71.0
3"	80	91.5	73.2	46.0	72.0
4"	100	119.5	100.0	50.0	76.0

KQ-A A - Adapter female thread

Unit:mm

inch	NW	ϕA	ϕB	H1	H	SW
1/2"	15	32.0	21.2	28.0	38.0	33.0
3/4"	20	32.0	21.2	28.0	38.0	33.0
1"	25	36.7	23.8	33.5	46.5	41.0
1-1/4"	32	45.5	28.6	40.0	55.0	48.0
1-1/2"	40	53.4	36.0	42.5	58.5	56.0
2"	50	63.0	45.5	47.5	62.3	67.5
2-1/2"	65	75.7	56.4	50.0	68.0	83.0
3"	80	91.5	73.5	51.0	70.0	96.5
4"	100	119.5	100.0	53.0	76.0	124.0

KQ-B B - Coupler male thread

Unit:mm

inch	NW	A	B	ϕC	ϕD	H1	H
1/2"	15	115.0	57.0	15.0	32.4	30.0	48.0
3/4"	20	115.0	57.0	21.2	32.4	30.0	48.0
1"	25	137.0	65.6	25.0	37.3	39.0	61.0
1-1/4"	32	183.0	77.0	28.0	46.0	46.0	68.0
1-1/2"	40	191.0	85.0	39.0	54.0	48.0	70.5
2"	50	201.0	96.0	50.0	63.7	53.0	78.7
2-1/2"	65	213.0	110.4	58.0	76.5	58.0	86.0
3"	80	267.0	133.0	73.2	92.2	58.0	89.0
4"	100	296.0	166.0	97.0	120.2	63.0	97.0

KQ-C C - Coupler hose shank

Unit:mm

inch	NW	A	B	ϕC	ϕD	ϕE	ϕF	H1	H
1/2"	15	-	-	-	-	-	-	-	-
3/4"	20	115.0	57.0	13.6	32.4	20.7	19.4	30.0	80.0
1"	25	137.0	65.6	20.0	37.3	27.0	25.8	39.0	99.0
1-1/4"	32	183.0	77.0	25.8	46.0	33.9	32.9	46.0	110.0
1-1/2"	40	191.0	85.0	31.3	54.0	40.5	38.6	48.0	114.0
2"	50	201.0	96.0	43.8	63.7	52.0	51.0	53.0	129.0
2-1/2"	65	213.0	110.4	55.7	76.5	66.8	-	58.0	151.0
3"	80	267.0	133.0	68.0	92.2	79.0	-	58.0	160.0
4"	100	296.0	166.0	92.0	120.2	104.8	-	63.0	176.0

KQ-D D - Coupler female thread

Unit:mm

inch	NW	A	B	ϕC	ϕD	H1	H
1/2"	15	115.0	57.0	17.0	32.4	30.0	46.0
3/4"	20	115.0	57.0	20.0	32.4	30.0	50.0
1"	25	137.0	65.6	26.0	37.3	39.0	60.0
1-1/4"	32	183.0	77.0	34.5	46.0	46.0	66.0
1-1/2"	40	191.0	85.0	40.0	54.0	48.0	70.5
2"	50	201.0	96.0	50.0	63.7	53.0	76.0
2-1/2"	65	213.0	110.4	61.0	76.5	58.0	82.0
3"	80	267.0	133.0	75.0	92.2	58.0	86.0
4"	100	296.0	166.0	100.0	120.2	63.0	92.0