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OVERVIEW

In order to get the best results from your applications, it is good to understand what options you have within Collection 3. Please note that Collection 3 is not intended to interface with other Collections.

COLLECTION 3 BASICS





Collection 3 is the largest KENT Systems Coupling system featuring a barb and thread range of 1/4'' thru 1/2''. In addition the couplings offer:

- Double O-Ring
- Hard Stop
- Compact Design





Ideal applications for Collection 3 include:

- Fuel managment systems
- Ink dispensing
- Lab chemicals
- Hydroponics

- Air lines
- Water lines
- Computer cooling
- Many other applications

TUBE BARBS	SIZES
	For 1/4" ID Tubing
	For 3/8" ID Tubing
	For 1/2" ID Tubing

THREAD OPTIONS	SIZES
	1/4" Male NPT
NEW TWO	3/8" Male NPT
	1/2" Male NPT

VALVE OPTIONS	ТҮРЕ
	Open-Flow
	Triggering Open-Flow
	Internal Shut-Off

BODY OPTIONS	IMAGE	
Female Open-Flow Triggering Open-Flow Shut-Off		
Rotating Female Shut-Off	LNEW	
Male Open-Flow Triggering Open-Flow Shut-Off		
Locking Male	Kery Control of the C	
THREADED RODY OPTIONS IMAGE		

THREADED BODY OPTIONS	IMAGE
Female With Male NPT ■ Open-Flow ■ Triggering Open-Flow ■ Shut-Off	Trend Trend
Male With Male NPT ■ Open-Flow ■ Triggering Open-Flow ■ Shut-Off	

OTHER CONFIGURATIONS	IMAGE
BulkheadTriggering Open-FlowShut-Off	
Plugs and caps	
Shut-Off Fitment	



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Overview Specifications

TEST	SPECIFICATION	
Pressure Rating	-10 PSI thru 125 PSI	
Temperature Rating	-50°F thru 150°F	
Connection Cycles Body	10,000 connections	
	(before product should be replaced)	
Connection Cycles O-ring	10,000 disconnections	
(Lubricated Buna-N)	(before o-ring should be replaced)	

Specifications for products with Nylon, Acetal, Stainless Steel, Buna-N, materials

Flow Rates Female Couplings

BARB SIZE OPEN-FLOW FEMALE		ALE SHUT-OFF FEMALE	
1/4"	4.5 GPM	4 GPM	
3/8"	5+ GPM	5.25 GPM	
1/2"	5+ GPM	5.5 GPM	

Tested with water, 60°F, 10PSI. Individual results may vary

Flow Rates Male Couplings

BARB SIZE	OPEN-FLOW MALE	SHUT-OFF MALE
1/4"	4.5	4.3
3/8"	4.5	5+
1/2″	5+	5+

Tested with water, 60°F, 10PSI . Individual results may vary

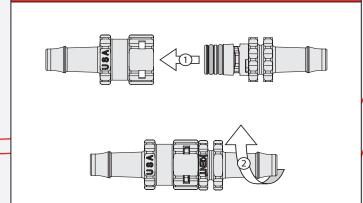
Tubing Sizes

TUBE ID	BARB OD	BORE ID	TUBE ID RANGE
1/4" (8 mm)	.425"	.250"	.250"375"
3/8" (9.525 mm)	.129″	.450"	.360"390"
1/2" (12.7 mm)	.600"	.300"	.480"520"

Note: Tubing can vary greatly in size and tolerance.

Tube clamps should not be necessary if using quality tubing at reasonable pressures.

SIMPLE TWIST TURN DESIGN



Single Barb Design

- No parting line helps prevent leak paths
- Does not require tube clamps

Hard Over-Turn Stop

Reduces risk of overturning and accidental disconnection

Double O-ring

- O-ring redundancy
- Easy to replace
- Easier connection

Single Piece Female Body

- Keeps product price low
- Great for disposable applications

MORE INFORMATION



KentSystems.com/Quick_Couplings_C3_QR.php

Discover more about KENT Systems Quick Couplings online.

Simply scan this QR Code to be directed to the Quick Coupling section of our

Data charges may apply. See your cell phone provider for details.