

Product Information Bulletin

This document outlines the RYCO JSEAL™ hose coupling attributes, including the differences between the new RYCO JSEAL™ coupling design versus the current equivalent RYCO JIC hose coupling.

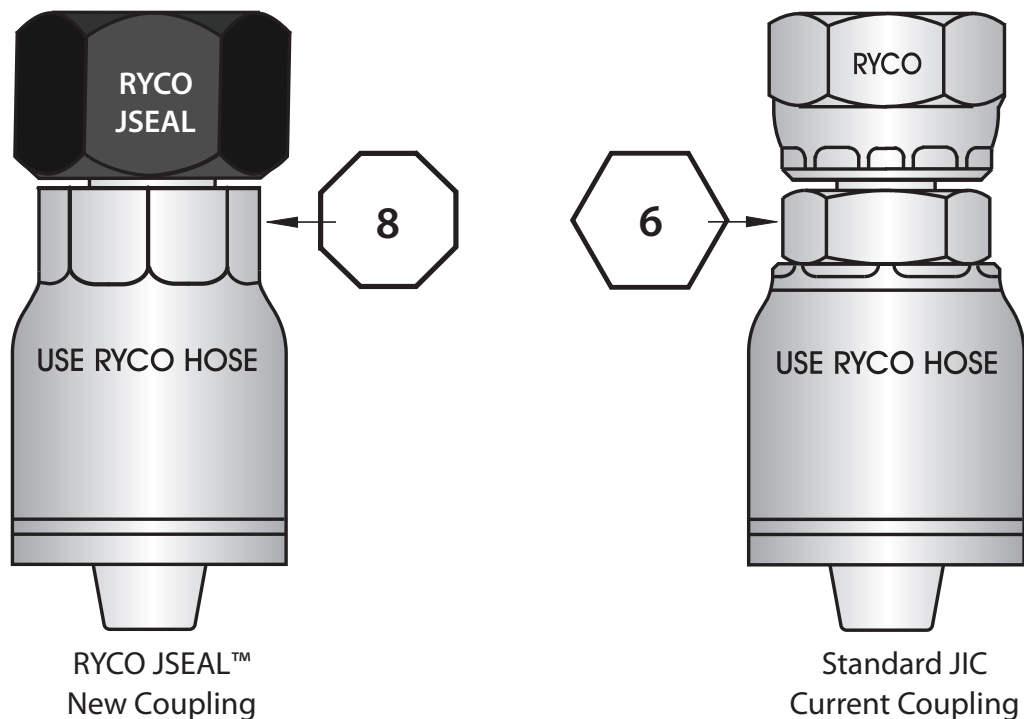
JSEAL™ Fit

- JSEAL™ is fully interchangeable and backwards compatible with standard JIC connections.

JSEAL™ Form

- The JSEAL™ form varies from the standard JIC coupling as depicted in the infographic below.

- BLACK NUT
- SOLID NUT
- CONVEX FEMALE DESIGN
- COLD FORMED COMPONENTRY
- INCREASED TORQUE



JSEAL™ Function

- JSEAL™ offers increased performance over standard JIC connections when installed at JSEAL™ Recommended Torque Settings as published in the current version of the RYCO JSEAL™ 4-page brochure, and the RYCO JSEAL™ microsite.
- JSEAL™ also works at standard JIC rated pressures and respective JIC torque settings as published in the current version of the RYCO Product Technical Manual - Hydraulics.

JSEAL™ Interchangeability

- JSEAL™ is fully compatible with JIC Male terminations, and is backwards compatible.
- No change to hose assembly fabrication procedures, including crimp dimensions.

JSEAL™ Installation

- RYCO recommend that JSEAL™ be installed in accordance with the JSEAL™ Assembly Procedure Product Information Bulletin.

JSEAL™ Assembly Torque

- The correct torque instructions and specifications must be followed to obtain a proper seal when a hose assembly is connected to a mating adaptor or another assembly.
- RYCO JSEAL™ will work at the published rated working pressures of standard JIC connections when assembled using the torque values for the standard JIC connections as listed in the current version of the RYCO Product Technical Manual - Hydraulics. There is no need for a change of tooling or assembly procedures when JSEAL™ is assembled and used at standard JIC connection pressure ratings and the respective torque settings as listed in Table 1 below.

CONNECTION SIZE			RYCO JSEAL™ SPECIFICATIONS		STANDARD JIC	
THREAD SIZE	TUBE SIZE	DASH SIZE	MAXIMUM WORKING PRESSURE	RECOMMENDED TORQUE SETTINGS	MAXIMUM WORKING PRESSURE	RECOMMENDED TORQUE SETTINGS
inch	inch		bar	Nm	bar	Nm
7/16	1/4	-07	700	23	690	15 - 16
9/16	3/8	-09	700	39	550	24 - 28
3/4	1/2	-12	630	77	690	49 - 53
7/8	5/8	-14	630	142	550	77 - 85
1.1/16	3/4	-17	560	198	480	107 - 119
1.3/16	7/8	-19	490	235	380	127 - 140
1.5/16	1	-21	420	263	320	147 - 154
1.5/8	1.1/4	-26	420	309	215	172 - 181
1.7/8	1.1/2	-30	350	386	215	215-226
2.1/2	2	-40	280	597	110	332-350

Table 1: RYCO JSEAL™ and Standard JIC Connection Torque Settings and Maximum Working Pressures

The RYCO JSEAL™ information package can be viewed at www.RYCO.com.au/JSEAL.

Should you wish to discuss the benefits of RYCO JSEAL™ please contact RYCO Product Management or your local RYCO representative.

AUSTRALIA +61 1300 111 247
CHINA (DALIAN) +86 411 8886 0006

NEW ZEALAND +64 800 842 872
CHINA (SHANGHAI) +86 512 3306 6181
SOUTH AFRICA +27 10 4100 500

USA & CANADA +1 866 821 7926
MALAYSIA +60 4 415 2500
EUROPE +43 676 723 95 37



www.RYCO.com.au