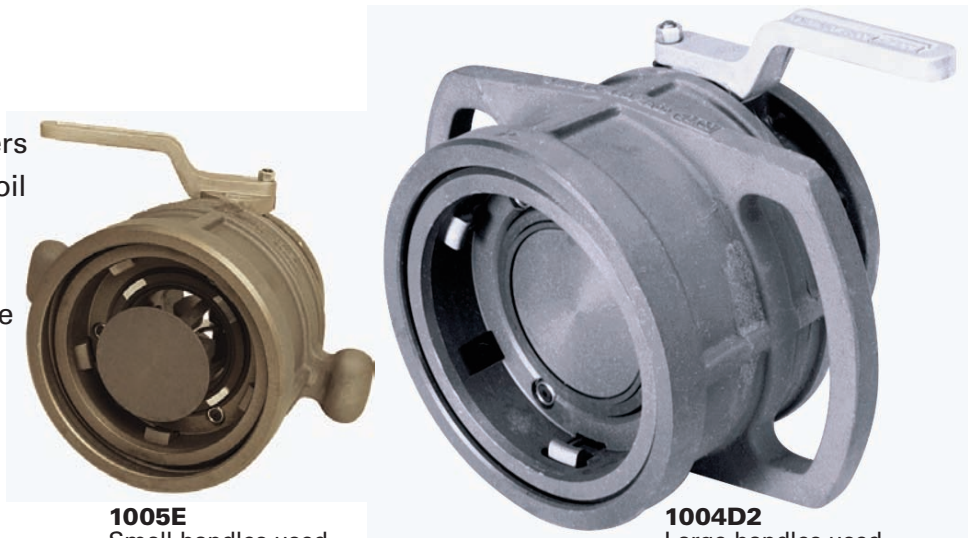


1004D2/1005E API Bottom Loading Coupler

The 1004D2 is the standard in “drip-less” bottom loading couplers and a proven performer at major oil terminals worldwide. The 1004D2 mates with all 4” bottom loading adaptors and is built in accordance with API RP-1004 requirements to significantly reduce liquid loss at disconnect.



1005E
 Small handles used throughout Europe

1004D2
 Large handles used throughout the Americas

BENEFITS

5 Cam Design

Design insures easy alignment, tight connection and resists side forces during loading.

Fully Interlocked

The 1004D2 cannot be opened unless it is properly connected to an API adaptor nor can it be disconnected when the poppet is open.

Redundant Sealing

Simple and reliable, consisting of dual heavy-duty cross-section O-rings.

Smoother, Easier Operation

Built-in roller bearing handle and PTFE impregnated poppet and cylinder provide for smoother, easier movement.

Easy and inexpensive to maintain!

SELECTION GUIDE

1004D2

04

02

1004D2 = Large handles, U.S. version
1005E = Small handle, European version

04 = size (4" only)

02= Seal

01 - Buna-N

02 - Fluorocarbon GFLT

04 - EPDM

DESIGN PARAMETERS:		MATERIALS:	
*Max Allowable Working Pressure:	75 psi (g), 5 bar (g)	Body, Sleeve, Poppet	Aluminum (A356-T6)
Max Flow Rate:	600 GPM, 135 M3/H	Cam Arms, Interlock, Drive Link	Stainless Steel (ASTM A351 CF8M)
Max Temperature:	See seal options (page 3)	Cylinder	Aluminum (6061-T6)
Weight:	18.5 lbs (8.39 kg)	Shaft	Stainless Steel (17-4 PH)
Pressure Drop (At Max Flow Rate)	2-5 psi (g), .24 bar (g)	Seals	See Seal Options

*Unit tested to 300 psi (21 bar) in the closed position to withstand excessive thermal expansion. Reference API Standard RP-1004 for additional information.