

# TerraFLO Dual Activated Circ-Subs

Designed to withstand the rigors of today’s demanding applications, the TerraFLO™ Dual Activated Circ-Sub has been thoroughly tested to ensure reliable actuation when needed. The circ-sub can be used to isolate and allow pumping of fluids to the annulus that might typically damage any equipment run below the circ-sub. When actuated, the overall flow area is increased, allowing for higher flow rates (for a given pressure) to be achieved, improving annular velocity and overall hole-cleaning capabilities.

In addition to drop-ball functionality, the TerraFLO circ-sub can also be activated at a predetermined pressure via a burst-disc if the BHA has become plugged off and loses the ability to circulate.



### MHA Rupture Disc Assembly (8mm)

Part Number	Rupture Pressure
PO-49418	3,000 psi
PO-49399	4,000 psi
PO-49400	15,000 psi
PO-49401	6,000 psi
PO-49402	7,500 psi
PO-49586	8,000 psi
PO-49587	8,500 psi
PO-49588	9,000 psi
PO-49602	10,000 psi

Part no.	Tool OD	Tool ID	Connection	Length	Pressure rating	Service	Ball size	Redress kit
C416-006-08	1 1/16"	.312"	1" AMMT	8.3"	10 KPSI	Standard	3/8"	C416-006-08/KS
C416-010-08	1 1/16"	.312"	1" AMMT	8.3"	10 KPSI	Sour	3/8"	C416-006-08/KS
C416-009-09	2 1/8"	.450"	1 1/2" AMMT	8.5"	10 KPSI	Standard	1/2"	C416-009-09/KS
C416-003-09	2 1/8"	.450"	1 1/2" AMMT	8.5"	10 KPSI	Sour	1/2"	C416-009-09/KS
C416-008-23	2 7/8"	.563"	2 3/8" PAC	9.2"	10 KPSI	Standard	5/8"	C416-008-23/KS
C416-011-23	2 7/8"	.563"	2 3/8" PAC	9.2"	10 KPSI	Sour	5/8"	C416-008-23/KS
C416-007-42	3 1/8"	.625"	2 3/8" REG	9.6"	10 KPSI	Standard	1 1/16"	C416-007-42/KS
C416-012-42	3 1/8"	.625"	2 3/8" REG	9.6"	10 KPSI	Sour	1 1/16"	C416-007-42/KS