

DESCRIPTION

The Automatic Gun Release is run when it is desirable to drop the gun upon firing. This tool is designed to fit onto the top sub of the gun. A short section of detonating cord runs through the center of the tool below the percussion detonator. Several Owen Firing Heads can be threaded into the top of this tool for detonation of the gun system. The gun can be activated by either:

- Mechanical Impact Firing Head
- Safety Impact Firing Head, Low Pressure
- Safety Impact Firing Head, High Pressure
- Pressure Activated Firing Head

FEATURES AND BENEFITS

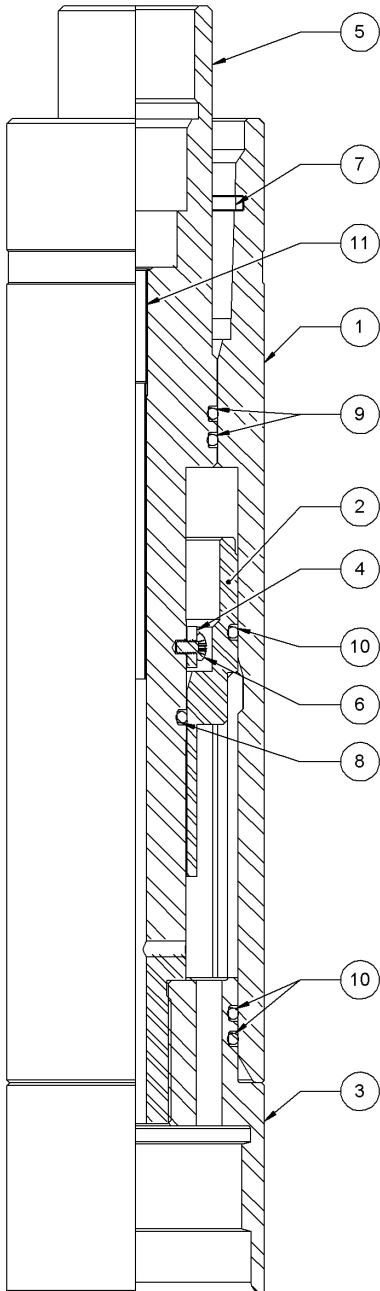
- allows for immediate release of guns
- leaves tubing fully open
- eliminates the need to run wireline to release guns
- designed for both underbalance or highly overbalanced release operations
- must be run in conjunction with ported sub

SPECIFICATIONS

	TC-050-2375-000		TC-050-2875-000	
O.D.	3.13 in	79 mm	3.69 in	94 mm
I.D. After Release	2.00 in	51 mm	2.50 in	64 mm
Top Thread Connection	2-3/8 in EUE		2-7/8 in EUE	
Make-Up Length	14.13 in	359 mm	14.31 in	363 mm
Maximum Temperature ¹	250°F	121°C	250°F	121°C
Maximum Hydrostatic	20,000 psi	137.9 MPa	20,000 psi	137.9 MPa
Maximum Differential	10,000 psi	68.9 MPa	10,000 psi	68.9 MPa
Tensile	75,000 lbf	33 360 daN	95,000 lbf	42 260 daN
Minimum Weight to Release	125 lbs	57 kg	150 lbs	68 kg

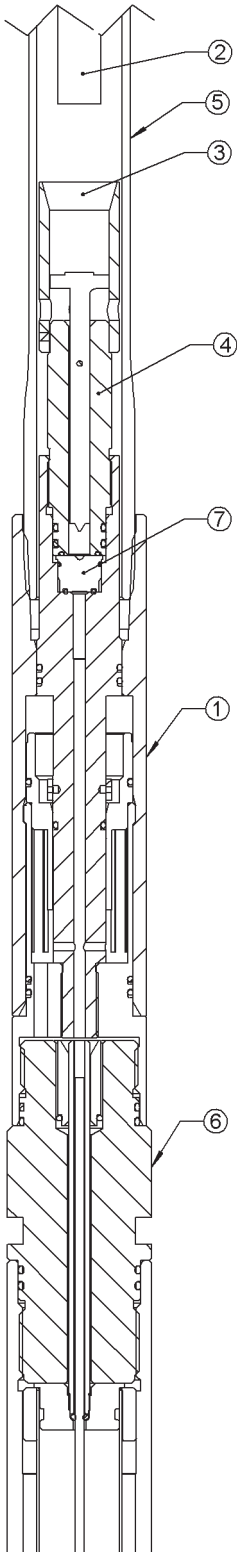
¹The maximum temperature can be increased to 450°F (230°C) by substituting the 90 durometer Nitrile O-Rings with 90 durometer Viton o-rings. Refer to the Time vs Temperature Chart for Explosives to confirm any explosives requirements.

Note: Do not use the tubular collar No-Go, TC-170-2375-000 or the TC-170-2875-000 when using this Automatic Gun Release. Use the Impact No-Go, TC-010-0022-110 (2-3/8 tubular) or TC-010-0029-110 (2-7/8 tubular) which attaches directly to a drop bar firing impact body and falls away with the guns when released, leaving no restriction in the tubular.



ITEM	PART NUMBER	QTY.	DESCRIPTION
-	TC-050-2375-000	-	Auto-Gun Release, 2-3/8" EUE
1	TC-050-0000-000	1	Upper Housing
2	TC-050-0001-000	1	Locking Collar
3	TC-050-0002-000	1	Collet Finger Sub
4	TC-050-0004-000	1	Shear Ring
5	TC-050-0003-000	1	Center Stem
6	PF-030-016C-025B	2	Brass Screw
7	MI-305-2375-000	1	API Seal Ring
8	OOO-N569-214	1	O-Ring, N-90
9	OOO-N569-224	2	O-Ring, N-90
10	OOO-N569-228	3	O-Ring, N-90
11	TC-050-0005-000	1	Booster Support Tube
-	MAN-TC-050	-	Operating Manual

ITEM	PART NUMBER	QTY.	DESCRIPTION
-	TC-050-2875-000	-	Auto-Gun Release, 2-7/8" EUE
1	TC-050-0006-000	1	Upper Housing
2	TC-050-0007-000	1	Locking Collar
3	TC-050-0008-000	1	Collet Finger Sub
4	TC-050-0004-000	1	Shear Ring
5	TC-050-0009-000	1	Center Stem
6	PF-030-016C-025B	2	Brass Screw
7	MI-305-2875-000	1	API Seal Ring
8	OOO-N569-214	1	O-Ring, N-90
9	OOO-N569-228	2	O-Ring, N-90
10	OOO-N569-232	3	O-Ring, N-90
11	TC-050-0005-000	1	Booster Support Tube
-	MAN-TC-050	-	Operating Manual



ITEM	PART NO.	DESCRIPTION
1	TC-050-2375-000	Automatic Gun Release 2-3/8 **
	TC-050-2875-000	Automatic Gun Release 2-7/8 **
2	TC-136-1250-006	Drop Bar Assy. 6' (Sectional)
	TC-136-1250-010	Drop Bar Assy. 10' (Sectional)
	TC-138-1250-008	Drop Bar 8' (Solid)
	TC-138-1250-010	Drop Bar 10' (Solid)
3	TC-010-0022-110	Impact No-Go for 2-3/8 (1.39" I.D.)
	TC-010-0029-110	Impact No-Go for 2-7/8 (1.39" I.D.)
	TC-010-0030-110	Impact No-Go for 3-1/2 (1.39" I.D.)
4	TC-010-1500-000	Mechanical Impact Firing Head
	TC-012-1500-000	Mechanical Safety Impact Firing Head, LP
	TC-012-1500-200	Mechanical Safety Impact Firing Head, HP
	TC-020-1688-000	Pressure Activated Firing Head, LP *
	TC-040-1688-000	Pressure Activated Time Delay Firing Head, LP *
5	CC-101-2347-002	Pup Joint 2-3/8 EUE (2' length)
	CC-101-2865-002	Pup Joint 2-7/8 EUE (2' length)
	CC-101-3593-002	Pup Joint 3-1/2 EUE (2' length)
6	--	Owen Top Gun Sub
7	Reference	Percussion Detonator

* No Drop Bar needed with Pressure Activated Firing Heads.

** Recommend running a Fill/Flow Sub when using an Automatic Gun Release System.