CEMENT RETAINER Ø PLUG BRIDGE

COMPLETION OIL TOOLS

WIRELINE SET DRILLABLE BRIDGE PLUG

□ CT-WBP CT95501

MECHANICAL SET BRIDGE PLUG

□ CT-MBP CT95506

MECHANICAL SET CEMENT RETAINER

□ CT-MCR | CT95706

WIRE LINE SET CEMENT RETAINER

□ CT-WCR CT95502

DESCRIPTION:

These are field-proven modular designed high performance drillable bridge plugs, commonly used for zonal isolation during stimulation or cementing jobs, or for temporary and permanent abandonments.

This can easily be converted to a Cement Retainer. A modified version of this Bridge Plug is available for use primarily in gas well applications.

Simple design allows the upper portion of the body and the bridging plug to be drilled out, generating pressure equalization across the tool before drilling out the upper slips.

Cement retainer ideal for most remedial cementing applications. It is designed to function as a drillable squeeze packer which after cementing acts as a plug trapping to squeeze pressure on the cement below the retainer and isolating the newly cemented area from the hydrostatic pressures above the cement retainer.

Changing the upper slip enable the bridge plug to be set mechanically or on a wire line setting tool assembly. It is easily converted to a cement retainer.

- Choices in setting such as wire line, mechanical or hydraulic.
- High Performance 10,000 psi and 400° F.
- High Performance 10,000 psi and 100 ...

 Superior running characteristic i.e. enormous annulus clearance for 50. faster & safer run-in.
- With simple kit Cement Retainer easily converted to bridge plug.
- Body Lock Ring: Traps setting force in element to maintain pack-off during pressure reversals.
- The rotationally locked, cast-iron components enable a fast & easy drill out to save rig time.







TECHNICAL SPECIFICATIONS FOR TUBING SIZE (CT-WBP):

	Casing Spe	cification		Bridge Plug Specification					
Casing	Casing /Tubing		Preferred Casing ID Range		Max	. OD (ln.)	Diff. Presure Ratinsgs		
OD (ln.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Product Size	Max. OD (in.)	Top End Connection	(PSI)		
2 3/8	4.0-5.8	4.70	0.074	D4	4.75		0000		
	11.0-11.65	1.78	2.074	P1	1.75		6000		
2 7/8	7.9-10.7	2.091	2.323	P2	1.968				
	6.4-6.5	2.34	2.525	D2	2.22				
2.4/2	15.68-16.81	2.34	2.020	P3	2.22				
3 1/2	10.2-13.3	2,000	2.000	D4	11/16 OD, 16 TPI				
4	22.8	2.602	2.988	P4	2.562	National RH Thread	10000		
3 1/2	5.75-10.2						10000		
4	14.8-19.0	2.867	3.258	P5	2.75				
4 1/2	26.5								
4	5.6-14	2.24	3.732	P6	2.44				
4 1/2	17.7-24.6	3.34	3.732	P6	3.14				



TUBING SIZE BRIDGE PLUG

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



BRIDGE PLUG & CEMENT RETAINER

Completion oil tools

TECHNICAL SPECIFICATIONS FOR TUBING SIZE (CT-WCR):

Casing	/Tubing	Preferred Casing ID) Range		Cem	ent Retainer		Diff.	
OD (In.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Product Size	Max. OD (in.)	Top End Connection	Seal ID (In)	Presure Ratinsgs (PSI)	
2 3/8	4.0-5.8	1.78	2.074	P1	1.75		0.715	6000	
	11.0-11.65	1.70	2.074	ГІ	1.75		0.715	0000	
2 7/8	7.9-10.7	2.091	2.323	P2	1.968				
	6.4-6.5	2.34	2 525	2.525 P3	2.22				
3 1/2	15.68-16.81	2.34	2.020	F3	2.22				
3 1/2	10.2-13.3	2.602	2.988	P4	P4 2.562	2 562	11/16 OD, 16 TPI National		
4	22.8	2.002	2.900		2.562	RH Thread	0.040	40000	
3 1/2	5.75-10.2						0.813	10000	
4	14.8-19.0	2.867	3.258	P5	2.75				
4 1/2	26.5								
4	5.6-14	2.24	3.732	P6	2 14				
4 1/2	17.7-24.6	3.34	3.732	PO	3.14				

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



TECHNICAL SPECIFICATIONS (CT-WBP/ CT-MBP):

	Casing Spe	cification			В	ridge Plug Sp	ecification																	
Casing	g /Tubing		d Casing ID	Product	Max.	OD (In.)	Diff. Presure Ratinsgs	API Validation																
OD (In.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Size	Max. OD (in.)	Top End Connection	(PSI)	Grade																
4 1/2	9.5-15.1	3.826	4.09	X1	3.593																			
5	11.5-20.8	4.154	4.56	Y1	3.937	2", 6 TPI																		
5 1/2	26.0-32.3	4.134	4.50	11	3.937	Special																		
31/2	13-23	4.67	5.044	X2	4.312	Buttress Straight &																		
5 3/4	27.09	4.8	305	, A2	4.312	Left Hand																		
6	18-26	5.14	5.552	Y2	4.937	Box Thread																		
7	49.5	5.14	3.332	12	4.337																			
6 5/8	17-32	5.595	6.135	Х3	5.41		10000																	
7	32-44	3.333	0.133	λJ	3.41																			
,	17-38	5.92	6.538	Y3	5.687																			
7 5/8	45.3	3.32	0.550	13	3.007																			
, 5,6	20-39	6.625	7.125	X4	6.312																			
7 3/4	46.1	0.023	7.123	Α1	0.312																			
8 5/8	24-49	7.511	8.097	X5	7.125																			
8 3/4	49.7	7.311	0.037	, , s	7.123			V3-R																
9 5/8	29.3-58.4							15 11																
9 3/4	59.2	8.435	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	9.063	X6 8.125 2 7/8, 6 TPI	8000	
9 7/8	62.8					Special																		
10 3/4	60.7-81	9.25	9.66	Y6	9	Buttress Straight &	5000																	
20 37 1	32.75-60.7	9.66	10.192	X7	9.437	Left Hand Box Thread	3000																	
11 3/4	60.0-83.0	10.192	10.772	Y7	9.937	Box Illread	4000																	
11 3,4	42-60	10.772	11.15	X8	10.437		4000																	
13 3/8	85-102	11.633	12.159	Y8	11.562]																		
15 5,0	48-80.7						3000																	
13 1/2	81.4	12.175	12.715	Х9	12																			
13 5/8	88.2]																		
16	109.0-146.0	14	14.75	X11	13.915																			
10	55.0-84.0	14.7	15.4	Y11	14.585		2000																	
18 5/8	76-96.5	17.648	17.86	X18	17.25]	2000																	
20	94-133	18.73	19.124	Y20	18.375																			

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



TECHNICAL SPECIFICATIONS (CT-WCR/ CT-MCR):

	Casing Spe	cification			Cem	ent Retainer	Specification						
Casing	; /Tubing		Casing ID	Product	C	Cement Retain	ier	Diff. Presure					
OD (In.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Size	Max. OD (in.)	Top End Connection	Seal ID (In)	Ratinsgs (PSI)					
4 1/2	9.5-15.1	3.826	4.09	X1	3.593								
5	11.5-20.8	4.154	4.56	Y1	3.937	2", 6 TPI							
5 1/2	26.0-32.3	4.134	4.50	11	3.937	Special							
5 1/2	13-23	4.67	5.044	X2	4.312	Buttress Straight &	1.345						
5 3/4	27.09	4.8	305	^2	4.512	Left Hand							
6	18-26	5.14	5.552	Y2	4.937	Box Thread							
7	49.5	5.14	5.552	12	4.957								
6 5/8	17-32	5.595	6.135	Х3	5.41			10000					
7	32-44	5.555	0.133	Λ3	5.41								
,	17-38	F 0.2	C F 20	Y3	5.687								
7 5 /0	45.3	5.92	6.538	15	5.087								
7 5/8	20-39	6.625	7.125	X4	6.312								
7 3/4	46.1	0.025	7.125	Λ4	0.512								
8 5/8	24-49	7 5 1 1	8.097	X5	7.125								
8 3/4	49.7	7.511	6.097	Λ3	7.125								
9 5/8	29.3-58.4												
9 3/4	59.2	8.435	9.063	X6	8.125	2 7/8, 6 TPI		8000					
9 7/8	62.8					Special							
10.2/4	60.7-81	9.25	9.66	Y6	9	Buttress Straight &	2.000	E000					
10 3/4	32.75-60.7	9.66	10.192	X7	9.437	Left Hand		5000					
11 3/4	60.0-83.0	10.192	10.772	Y7	9.937	Box Thread		4000					
11 3/4	42-60	10.772	11.15	X8	10.437			4000					
12 2/0	85-102	11.633	12.159	Y8	11.562								
13 3/8	48-80.7							3000					
13 1/2	81.4	12.175	12.715	Х9	12			3000					
13 5/8	88.2												
10	109.0-146.0	14	14.75	X11	13.915	1							
16	55.0-84.0	14.7	15.4	Y11	14.585			2000					
18 5/8	76-96.5	17.648	17.86	X18	17.25			2000					
20	94-133	18.73	19.124	Y20	18.375								

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



TOP SET WIRELINE DRILLABLE BRIDGE PLUG

□ CT-WTBP | CT95515

DESCRIPTION:

This Wire line Adapter Kit is used to set bridge plug and cement retainers (CT-WBP or CT-WCR) by coupling them with wire line pressure setting assembly while set thru wire line and with hydraulic setting tool while by drill pipe or tubing string in the well bore.

FEATURES:

The Model CT-WBP-AK Wire line Adapter Kit is used to couple a wire line pressure setting assembly or hydraulic setting tool to the CT-WBP or CT-WCR.



CT95515



BRIDGE PLUG & CEMENT RETAINER

Completion oil tools

TECHNICAL SPECIFICATIONS (CT-WTBP):

	Casing Spe	cification		Bridge Plug Specification					
Casing	Casing /Tubing		Preferred Casing ID Range		Max	. OD (ln.)	Diff. Presure Ratinsgs		
OD (ln.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Product Size	Max. OD (in.)	Top End Connection	(PSI)		
2 3/8	4.0-5.8	1.78	2.074	P1	1.75		6000		
	11.0-11.65	1.70	2.074	PI	1.75		6000		
2 7/8	7.9-10.7	2.091	2.323	P2	1.968				
	6.4-6.5	2.34	2.525	P3	2.22				
3 1/2	15.68-16.81	2.34	2.020	Po	2.22				
3 1/2	10.2-13.3	2 602	0.000	P4	2 562	11/16 OD, 16 TPI National RH			
4	22.8	2.602	2.988	P4	2.562	Thread	10000		
3 1/2	5.75-10.2						10000		
4	14.8-19.0	2.867	3.258	P5	2.75				
4 1/2	26.5			_					
4	5.6-14	3.34	3.732	P6	3.14				
4 1/2	17.7-24.6	3.34	3.132	P0	3.14				

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



WIRELINE ADAPTER KIT

□ CT-WAK | CT95606

DESCRIPTION:

This Wire line Adapter Kit is used to set bridge plug and cement retainers (CT-WBP or CT-WCR) by coupling them with wire line pressure setting assembly while set thru wire line and with hydraulic setting tool while by drill pipe or tubing string in the well bore.

FEATURES:

The Model CT-WBP-AK Wire line Adapter Kit is used to couple a wire line pressure setting assembly or hydraulic setting tool to the CT-WBP or CT-WCR.





TECHNICAL SPECIFICATIONS (CT-WAK):

	sing/ pecification		/CR fication	V	/ire Line Ac	dapter Kit						
OD (in.)	PPF Range	Poduct Size	Max OD (in.)	Poduct Size	Setting Sleeve OD (in.)	Model "E-4" Pressure Setting Assembly						
2 3/8	4.0-5.8	P1	1.75	P1	1.75							
	11.0- 11.65	-	1.75	FI	1.75							
2 7/8	7.9- 10.7	P2	1.968	P2	1.968							
	6.4-6.5	Do	2.22	Do	2.22							
2.4/2	15.68-16.81	P3	2.22	P3	2.22	5						
3 1/2	10.2-13.3	D4	0.500									
4	22.8	P4	2.562	D4 D5	0.75							
3 1/2	5.75-10.2			P4-P5	2.75							
4	14.8-19.0	P5	2.75									
4 1/2	26.5											
4	5.6-14	D.O.	0.44	P5-P6	3.000	10						
4 1/2	17.7-24.6	P6	3.14			10						
4 1/2	9.5 – 15.1	X1	3.593	X1	3.5							
5	11.5 - 20.8	Y1	3.937	V4 V0	0.040							
5 1/2	13 - 23	X2	4.312	Y1-X2	3.812							
	14 - 26		4.007	\/O	4.007							
6	10.5 - 12	Y2	4.937	Y2	4.937							
6 5/8	17-32		- 44									
_	32 - 44	X3	5.41	X3-Y3	X3-Y3	X3-Y3	X3-Y3	X3-Y3	X3-Y3	X3-Y3	5.375	
7	17-38	Y3	5.687									
7 5/8	20 - 39	X4	6.312	X4	6.312							
8 5/8	24 - 49	X5	7.125	X5	7							
9 5/8	29.3 – 58.4	X6	8.125	X6	8	00						
40.0/4	60.7 - 81	Y6	9	Y6	8.875	20						
10 3/4	32.75 - 60.7	X7	9.437	X7	9.437							
	60.0 - 83.0	Y7	9.937	Y7	9.93							
11 3/4	42 - 60	X8	10.437	X8	10.437							
10.0/2	85 - 102	Y8	11.562	Y8	11.5							
13 3/8	13 3/8 48 – 80.7		12	X9	11.75							
40	109.0 - 146.0		13.915	X11	13.9							
16	55.0 - 84.0	Y11	14.585	Y11	14.125							
18 5/8	76-96.5	X18	17.25	X18	17.125							
20	94-133	Y20	18.375	Y20	17.375							

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



SNAP LATCH STINGER SUB

□ CT-SSB | CT95616

DESCRIPTION:

The COT Model CT-SSB Stinger Sub is used with COT Model Wire line Set Cement Retainers. It features a snap-in, snap-out-type latch that provides a surface indication of the stinger being landed in the cement retainer (giving assurance that the sleeve valve is open) or the stinger sub being removed from the cement retainer (and the sleeve valve closed).

A model CT-CU Control Unit is made up above the Stinger Sub and provides a centering device for entering the retainer bore.





TECHNICAL SPECIFICATIONS (CT-SSB):

	asing/ pecification	CR Spec	ification	Sn	ap Latch Stinge	er Sub
OD (in.)	PPF Range	Product Size	Max OD (in.)	Poduct Size	Max. OD (in.)	*Top End Connection
2 3/8	4.0-5.8	P1	1.75			
	11.0- 11.65	' '	1.70	P1-P2	1.75	
2 7/8	7.9- 10.7	P2	1.968			
	6.4-6.5	P3	2.22			
3 1/2	15.68-16.81	1 0	2,22	1		
3 1/2	10.2-13.3	P4	2.562			1.050, 10RD
4	22.8	1 4	2.502			EU BOX UP
3 1/2	5.75-10.2			P2-P6	2.22	
4	14.8-19.0	P5	2.75			
4 1/2	26.5					
4	5.6-14	DC	2.44			
4 1/2	17.7-24.6	P6	3.14			
4 1/2	9.5 – 15.1	X1	3,593			
5	11.5 - 20.8	Y1	3.937			2 3/8, 4.7
5 1/2	13 - 23	X2	4.312	X1-Y2	3.062	PPF EU Box
0	14 - 26	\/O	4.007			Up
6	10.5 - 12	Y2	4.937			
6 5/8	17-32	140	5 44			
7	32 - 44	X3	5.41			
7	17-38	Y3	5.687			
7 5/8	20 - 39	X4	6.312			
8 5/8	24 - 49	X5	7.125			
9 5/8	29.3 – 58.4	X6	8.125			
40.0/4	60.7 - 81	Y6	9			
10 3/4	32.75 - 60.7	X7	9.437	V2 V20	2.000	2 7/8, 6.5
44.0/4	60.0 - 83.0	Y7	9.937	X3-Y20	3.668	PPF EU Box Up
11 3/4	42 - 60	X8	10.437			
40.0/0	85 - 102	Y8	11.562			
13 3/8	48 – 80.7	X9	12			
40	109.0 - 146.0	X11	13.915			
16	55.0 - 84.0	Y11	14.585			
18 5/8	76-96.5	X18	17.25			
20	94-133	Y20	18.375			

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



CONTROL UNIT

□ CT-CU | CT95701

DESCRIPTION:

The Model CT-CU Control Unit is made up above the stinger sub and provides a centring device for entering the retainer bore.

TECHNICAL SPECIFICATIONS (CT-CU):

	sing/ pecification	CR Spec	ification		CONTI	ROL UNIT	
OD (in.)	PPF Range	Product Size	Max OD (in.)	Poduct Size	Max. OD (in.)	Min. ID (in.)	End Connection
4 1/2	9.5 – 15.1	X1	3.593	41	5.25		2 3/8, 4.7 PPF EU Box Up x
5	11.5 - 20.8	Y1	3.937		0.20		Pin Down
5 1/2	13 - 23	X2	4.312			0.875	
	14 - 26)/O	4.007	45	6.188		
6	10.5 - 12	Y2	4.937				
6 5/8	17-32	V2	5.41				2 7/8, 6.5 PPF
7	32 - 44	X3	5,41	47 7.688		EU Box Up x	
7	17-38	Y3	5.687			\	Pin Down
7 5/8	20 - 39	X4	6.312	49A			
8 5/8	24 - 49	X5	7.125	49B	8.313		
9 5/8	29.3 – 58.4	X6	8.125	51	10		
10 3/4	60.7 - 81	Y6	9	53			
10 3/4	32.75 - 60.7	X7	9.437	33	13.109	1.312	
11 3/4	60.0 - 83.0	Y7	9.937	55	13.109	1.312	
11 3/4	42 - 60	X8	10.437	55			
13 3/8	85 - 102	Y8	11.562	E-7	14 605		3 1/2, 9.3 PPF
13 3/6	48 – 80.7	X9	12	57	14.625		EU Box Up x Pin Down
16	109.0 - 146.0	X11	13.915	59A	17.266		
10	55.0 - 84.0	Y11	14.585	59B	17.766		
18 5/8	76-96.5	X18	17.25	61	20		
20	94-133	Y20	18.375	63	21.25		



- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



3RIDGE PLUG & CEMENT RETAINER

Completion oil tools

SNAP LATCH SETTING TOOL

□ CT-SLST | CT95703

DESCRIPTION:

The Snap Latch Setting Tool is a mechanical setting tool used to set the Bridge Plugs and Cement Retainers.

It possess a built-in snap-latch feature which allows the setting tool to be latched to the product with set-down weight and released with up strain and rotation after setting the product. This essentially allows the setting tool to function as a snap latch stinger sub which provides an upward stop as the tubing is raised. At this stop the valve is closed but the stinger sub seal is still in the bore of the retainer. At this position in the running string internal pressure test could be carried out.

- ✓ Allows single run for squeeze work
- ✓ Locked to cement retainer or bridge plug to avoid premature setting or loss
- ✓ Top slips partially covered to protect from accidental damage
- ✓ Modular design
- ✓ Can set other manufacture cement retainers or bridge plugs





TECHNICAL SPECIFICATIONS (CT-SLST):

	sing/ pecification		g / Cement l pecification	Retainer		Snap La	tch Setting Too	ı
OD (in.)	PPF Range	Product Size	Seal Bore (In)	Max OD (in.)	Poduct Size	Setting Sleeve OD (in.)	Max. OD (in.)	Min. ID (in.)
4 1/2	9.5 – 15.1	X1		3.593	X1 - Y1	3.593	5 1/4	
5	11.5 - 20.8	Y1		3.937	XI II	0.000	0 174	
5 1/2	13 - 23	X2	1.345	4.312	X2	4.312	6 3/16	0.875
6	14 - 26 10.5 - 12	Y2		4.937	Y2	4.937	6 13/16	
6 5/8	17-32	Х3		5.41	X3			
7	32 - 44					5.375	7 11/16	
7 5/8	17-38 20 - 39	Y3 X4		5.687 6.312	Y3 X4	6.312	8 5/16	
8 5/8	24 - 49	X5		7.125	X5	7.125	9 9/16	
9 5/8	29.3 – 58.4	X6		8.125	X6	8.125	10	
	60.7 - 81	Y6		9	Y6	8.875		
10 3/4	32.75 - 60.7	X7	2.000	9.437	X7	9.437	13 7/64	1.312
11 3/4	60.0 - 83.0	Y7		9.937	Y7	9.93		
11 0/4	42 - 60	X8		10.437	X8	10.437		
13 3/8	85 - 102	Y8		11.562	Y8	11.562	14 5/8	
	48 – 80.7	X9		12	X9	12		
16	109.0 - 146.0	X11		13.915	X11	13.9	17 17/64	
	55.0 - 84.0	Y11		14.585	Y11	14.57	17 49/64	
18 5/8	76-96.5	X18		17.25	X18	17.25	20	
20	94-133	Y20		18.375	Y20	18.373	21 1/4	

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



BRIDGE PLUG & CEMENT RETAINER

Completion oil tools

WIRELINE SET RETRIEVABLE BRIDGE PLUG

- □ CT-WRBP | CT95503
- □ CT-WRBP-2 CT95512

DESCRIPTION:

This is a wire line set, retrievable plug capable of holding differential pressure from above or below. The plug may be set on conventional wire line or hydraulic packer-setting tools. The short design is easy to retrieve on tubing, coil tubing or sand line, using the appropriate retrieval tool.

When the retrieving tool engages the top of the bridge plug, the equalizing valve opens before the bridge plug is released, preventing the bridge plug from moving with differential pressure.

- ✓ Wire line, hydraulic or coiled tubing set.
- ✓ Caged bi-directional carbide/carburized slips for long life and durability.
- ✓ Also available in barrel Slip design.
- ✓ Straight pull and Rotational safety release mechanism.
- ✓ Optional sand line or coiled tubing retrieval.
- ✓ Compact design for tight doglegs, short lubricators.
- ✓ Simple, rig-friendly operation.







TECHNICAL SPECIFICATIONS (CT-WRBP & CT-WRBP-2):

	Casing Spe	ecification		Bridge Plug Specification				
OD (ln.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Max. OD (in.)	Top End Connection	Differential Pressure Ratings (psi)	API Validation Grade	
3 1/2	7.7-9.2	2.992	3.068	2.867	1.900, 2.9 PPF EU Pin Down			
4 1/2	12.6-15.1	3.826	3.958	3.58				
4 1/2	9.5-13.5	3.92	4.09	3.771	2 7/8, 6.5 PPF	7 2 7/8, 6.5 PPF	PPF	
5	15-18	4.276	4.408	4.125	EU Pin Down			
3	11.5-15	4.408	4.56	4.25		7,500		
	20-23	4.67	4.778	4.5		·	V0-R /	
5 1/2	15.5-20	4.778	4.95	4.641	3 1/2, 9.3 PPF EU Pin Down		V3-R	
	13-15.5	4.95	5.038	4.781				
	32-35	6.004	6.094	5.812				
7	26-29	6.184	6.276	5.968	4 1/2, 12.75			
	23-26	6.276	6.366	6.078	PPF EU Pin			
9 5/8	47-53.5	8.535	8.681	8.218	Down	5,000		
3 3/0	40-47	8.681	8.835	8.437		0,000		

- □ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



WIRELINE ADAPTER KIT

□ CT-WRBP-AK CT95605

DESCRIPTION:

The Model CT-WRBP-AK Wire line Adapter Kit is used to couple an electric line or hydraulic setting, tool assembly to the CT-WBP or CT-WCR.

TECHNICAL SPECIFICATIONS (CT-WRBP-AK):

	Casing Sp	ecification		Adapter Kit
OD (In.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Setting Sleeve OD (in.)
4 1/2	12.6-15.1	3.826	3.958	3.58
4 1/2	9.5-13.5	3.92	4.09	3.30
5	15-18	4.276	4.408	4.125
5	11.5-15	15 4.408 4		4.125
	20-23	4.67	4.778	
5 1/2	15.5-20	4.778	4.95	
	13-15.5	4.95	5.044	4.5
	32-35	6.004	6.094	4.5
7	26-29	6.184	6.276	
	23-26	6.276	6.456	
9 5/8	47-53.5	8.535	8.681	7.815
9 3/0	40-47	8.681	8.835	7.015



- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



RETRIEVING TOOL WITH WASHOVER SHOE

□ CT-WRBP-RT | CT95601

DESCRIPTION:

This RTV tool is used to retrieve wire line set retrievable bridge plug by running sufficient weight above the jars to prevent premature tool release when unloading pressure from below. If high differential pressure from below is expected, retrieval should not be attempted on wire line or sand line.

An Emergency Release is also provided for use when retrieving the tool on sand line or wire line in the event the tool will not release in the normal manner. Continued upward jarring will shear 50,000 lb Shear sub and allow retrieval of the tool string and retrieving head.



	Casing Spe		Retrie	ving Tool		
OD (ln.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Max. OD (in.)	Top End Connection	
4 1/2	12.6-15.1	3.826	3.958	3.58		
4 1/2	9.5-13.5	3.92	4.09	3.67	2 3/8, 4.7 PPF	
5	15-18	4.276	4.408	4 125	EU Box Up	
5	11.5-15	4.408	4.56	4.125		
	20-23	4.67	4.778			
5 1/2	15.5-20	4.778	4.95	4.5		
	13-15.5	4.95	5.044			
	32-35	6.004	6.094		2 7/8, 6.5 PPF	
7	26-29	6.184	6.276	5.51	EU Box Up	
	23-26	6.276	6.456			
0.5/9	47-53.5	8.535	8.681	0.2		
9 5/8	40-47	8.681	8.835	8.2		



- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
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MECHANCIAL SET RETRIEVABLE BRIDGE PLUG

□ CT-MRBP CT95504

DESCRIPTION:

The Mechanical Set RTV Bridge Plug is a high-pressure mechanical bridge plug used for multiple zone and selective single- zone treating and testing operations such as acidizing, fracturing, cementing, and testing. The retrievable bridge plug is designed with a large internal by-pass to reduce swabbing when running and retrieving. The by-pass closes during the setting of the plug and opens prior to releasing the upper slips to equalize pressure when un-setting. The by-pass is located directly below the upper slips to help debris wash when the by-pass is open. The Retrievable Bridge Plug has the added feature of being able to set and pack off the element in tension, making it ideal for setting shallow to test well head equipment and also deep, high pressure wells.

- ✓ The one-quarter right turn to set the plug and one-quarter right turn to release it provide reliable operation, especially in applications with limited rotational movement
- ✓ The large, internal bypass equalizes pressure before releasing the upper slips for safe plug retrieval.
- ✓ Wellhead testing, Treating and testing multiple, selected zones
- ✓ Deep, high-pressure testing, Fracturing, Temporary zonal isolation.





TECHNICAL SPECIFICATIONS (CT-MRBP):

Casing Specification				Bridge Plug Specification				
OD (In.)	PPF Range	Min. ID (in.)	Max. ID (in.)	Max. OD (in.)	End Connection	Differential Pressure Ratings (psi)	API Validation Grade	
4 1/2	9.5-13.5	3.920	4.090	3.750		7,500	V3-R	
5	11.5-15	4.408	4.560	4.125	1.900, 2.75			
	18-20.8	4.156	4.276	4.000	PPF NU Pin			
5.1/0	14-20	4.778	5.012	4.625	Down			
5 1/2	20-23	4.670	4.778	4.500				
6 5/8	24-32	5.675	5.921	5.500				
7	20-26	6.276	6.456	6.000				
,	26-32	6.094	6.276	5.875	2 7/8, 6.4 PPF NU Pin			
7 5/8	24-29.7	6.875	7.025	6.672	Down	5,000		
	33.7-39	6.625	6.765	6.453				
8 5/8	28-40	7.725	8.017	7.531				
9 5/8	32.0-43.5	8.755	9.001	8.500				
9 3/0	40-53.5	8.535	8.835	8.250	3 1/2, 9.3 PPF EU Pin			
10 3/4	32.75-51	9.850	10.192	9.625	Down	4,000		
	51-65.7	9.560	9.850	9.312				
11 3/4	42-71	10.586	11.084	10.375	4 1/2, 12.75	3,000		
13 3/8	48-54.5	12.615	12.715	12.375	PPF EU Pin			
	54.5-72	12.347	12.615	12.000	Down			

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.



RETRIEVING TOOL FOR MECHANICAL SET BRIDGE PLUG

□ CT-MRBP-RT CT95602

DESCRIPTION:

COT[®] CT-MRBP-RT retrieving tool for mechanical set retrievable bridge plug runs and retrieves the CT-MRBP mechanical set retrievable bridge plug.

A one-quarter left turn of the tool releases the plug. The field-proven tool design minimizes the risk of its breaking away from the plug during retrieval. The running Jpins can exit the tool only after the spring force is overcome.

- ✓ The simple four-part tool automatically attaches to the plug during weight setdown and requires only a one-quarter turn for release, making the tool easy to run and redress.
- ✓ The spring-loaded design minimizes tool separation from the plug, reducing the possibility that the plug breaks away during running and retrieval.
- ✓ The one-quarter left turn for plug release provides reliable setting in applications with limited rotational movement.
- The plug locks in place on the J-track with the heavy-duty spring and positive loading, preventing premature plug release and miss runs and saving time.
- ✓ The strong compression spring keeps the plug J-pins securely locked in the tool jay until enough weight collapses the spring, enabling Tool removal.





TECHNICAL SPECIFICATIONS (CT-MRBP-RT):

Casing Specification	Tool Specification			
Casing Size OD (in.)	Max. OD (in.)	Top End Connection		
4	3.125			
4 1/2	3.75	2 3/8, 4.7 PPF		
5	4	EU Box Up		
5 1/2	4.5			
6 5/8	5.438			
7	5.875	2 7/8, 6.5 PPF		
7 5/8	6.25	EU Box Up		
8 5/8	7.5			
9 5/8	8			
10 3/4	9.312	3 1/2, 9.3 PPF EU Box Up		
11 3/4	10.37	4 1/2 IE Boy Us		
13 3/8	12	4 1/2 IF Box Up		

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
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COT HYDRO MECHANICAL BRIDGE PLUG

□ CT-HMBP CT95513

DESCRIPTION:

COT[®] Hydro-Mechanical Bridge Plug is a drillable bridge plug, which utilizes a built-in hydraulic chamber to begin the setting process.

- ✓ Hydraulic actuated mechanical set.
- ✓ Slim line design.
- ✓ Full tubing ID after releasing, if rotationally released.
- ✓ Tubing released by right hand rotation (primary) or shear
- ✓ Fast and easy PDC drillable.
- ✓ The setting mechanism and control are contained in the bridge plug eliminating the need for a complex mechanical setting tool.
- ✓ Eliminates the expense of wire line setting tool and equipment.
- ✓ Full tubing bore is available for unobstructed passage of fluids and wire line run perforating and logging equipment after the plug is set and tubing released.
- ✓ Can be run and set in tandem with retrievable production packers or squeeze packers.







TECHNICAL SPECIFICATIONS (CT-HMBP):

Casing Specification				Hydro Mechanical Bridge Plug Specification				
Casing /Tubing		Preferred Casing ID Range		Max. OD	Top End	Ball Dia.	Diff. Presure	API
OD (In.)	PPF Range	Min. ID (in.)	Max. ID (in.)	(in.)	Connection	(in.)	Ratinsgs (PSI)	Validation Grade
4 1/2	9.5-15.1	3.826	4.09	3.593	2-3/8, 4.7 PPF EU Pin Thread	1 1/16	- 10,000	V3-R
5	11.5-20.8	4.154	4.56	3.937				
5 1/2	13.0- 23.0	4.67	5.044	4.312				
6 5/8	17.0-32.0	5.675	6.135	5.41		1 1/4		
7	17.0-38.0	5.92	6.538	5.687	2-7/8, 6.5 PPF EU Pin Thread			
7 5/8	20.0-39.0	6.625	7.125	6.312				
9 5/8	29.3-58.4	8.435	9.063	8.125]		8000	
13 3/8	48.0-80.7	12.215	12.715	12			3000	

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
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HYDRAULIC SETTING TOOL

□ CT-HST | CT95807

DESCRIPTION:

This Hydraulic Setting Tools of Completion Oil Tools is used to set Seal Bore Packer and bridge Plug. The packer is run with wireline adapter kit attached to setting tool on the drill pipe or tubing to setting depth. A ball is dropped to the ball seat in the setting tool. Sufficient tubing pressure is then applied to set and pack off the packer. The pressure or combined pressure and tubing tension, parts the release stud in the adapter kit and frees the setting assembly from the packer to retrieve.

It is manufactured to withstand high tensile loads and may be run with high temperature seals rated at 400° F.

FEATURES & BENEFITS:

- ✓ It avoids the premature setting by means of a shear screw in the cross link sleeve.
- ✓ Hydraulic setting tool is useful for setting packer in deviated wells or wells where it
 is difficult to set a wireline set packer.

- ☐ Additional size/weight, end connection, pressure rating, etc. are also available on request.
- ☐ Technical data presented above are based upon experimental data & theortical engineering calculations. These values will change within accepted engineering tolerances due to variations in material properties, dimensional tolerances and actual operating conditions.

