

## Tubing Conveyed Perforating Tools Selection Chart

Part No.	Description	Redress Kit	Application	
2317704	Mechanical Firing Head DW	2317706	Allows gun systems to be initiated by release of a drop bar into the tubing. The firing pin that is hit by the drop bar forces the firing pin into the percussion initiator which initiates the gun system below the firing head	
2317705				
2317776		On Request		
2317777				
2317758	Hydraulic Firing Head DW	2317763	Allows gun systems to be initiated by applied pressure to the tubing. The pressure applied causes a tensile shear stud to be sheared thus releasing the firing pin into the percussion initiator which initiates the gun system below the firing head. Can be used as a redundant firing method	
2317760				
2317780		On Request		
2317781				
2317696	Fill/Flow Sub Ported DW	2317698	Ported version allows the tubing string to automatically fill up with well fluids and creates a debris barrier through a installed glass disc for mechanically initiated firing heads. On top of the glass disc any debris is withheld that could cause the mechanical firing head to malfunction. The released drop bar to initiate the mechanical firing head shatters the glass disc after which the drop bar can regain momentum in the tubing section (recommended minimum 30 ft/ 9 mtrs) filled with clean fluid below the Fill/Flow Sub, before reaching the firing head. After initiation the Fill/flow sub allows hydrocarbons to be produced from the well. also available as a Non Ported version	
2317782				2317699
2317697	2317792			
2317783		2317793		
2317790	Mechanical Gun Release Shift up DW			2317792
2317791	Mechanical Gun Release Shift up DW	2317793		
2317681	Shifting tool Mech. Gun Release DW	On Request	Is used to shift the latch in the mechanical tubing release for the gun system to be released in the well bore.	
2317682	Shifting tool Mech. Gun Release DW			
2317784	Pressure Release Sub DW	2317786	Is used to allow creating a pressure/fluid path between tubing /workstring and annulus/wellbore in a "closed" system. Bottom hole assembly packers can be pressure tested after which using a drop bar or wireline tools a hollow pin in the assembly is broken to open communication /equalization path to the well bore.	
2317785	Pressure Release Sub DW	2317787		

Part No.	Description		Redress Kit	Application
2317692	Differential Sub Ported DW	2 3/8" EUE Thread	2317694	Is used to achieve an underbalance between the well bore and the tubing/workstring by a dome shaped ceramic disc. Once the tool in the tubing/workstring is lowered into the well bore a differential pressure is created between well bore and tubing/workstring when a drop bar is released into the tubing/workstring the ceramic dome is shattered and the differential pressure create an underbalance condition. After ceramic dome is shattered the tool allows hydrocarbons to be produced from the well. also available as a Non Ported version
2317690	Differential Sub Non Ported DW	2 3/8" EUE Thread		
2317693	Differential Sub Ported DW	2 7/8" EUE Thread	2317695	
2317691	Differential Sub Non Ported DW	2 7/8" EUE Thread		
2317788	R.A. Marker Sub DW	2 3/8" EUE Thread Without RA Source	On Request	Allows for accurately positioning of gun systems at the zone of interest using a through tubing GR/CCL tool. Usually positioned between TCP bottom hole assembly and production tubing. The Radioactive source is not included in this assembly.
2317789	R.A. Marker Sub DW	2 7/8" EUE Thread Without RA Source		
2317684	Drop Bar DW	1.830mm - 6,0ft Brass Indent		Standard drop bar Is used to be released into the tubing/workstring to initiate mechanical activated firing heads. Maximum well deviation 40°.
2317688	Roller Drop Bar DW	1524mm - 5,0 ft Standard for use in 2 3/8" Tbg W/ Mech. Fir. Head DYNAWELL		Roller drop bar Is used to be released into the tubing/workstring to initiate mechanical activated firing heads. Maximum well deviation 40°- 60°. The wheels give the drop means to be less susceptible to friction when passing the tubing/workstring. Can be optionally equiped with Brass indent plug to give means to prove that drop has reached the firing head in case of unconclusive initiation indication at surface
2317686		1524mm - 5,0 ft Brass Indent for use in 2 3/8" Tbg W/ Mech. Fir. Head DYNAWELL		
2317687		1524mm - 5,0 ft Standard for use in 2 7/8" Tbg W/ Mech. Fir. Head DYNAWELL		
2317689		1524mm - 5,0 ft Brass Indent for use in 2 7/8" Tbg W/ Mech. Fir. Head DYNAWELL		

***For detailed information refer to specific technical data sheet. Should other TCP tools be required other than in this catalogue, please do not hesitate to contact us at your earliest convenience.***