Hydraulic Disconnect

The Wellpro Group Hydraulic Disconnect is an extremely robust torque through drop ball disconnect. The disconnect can handle straight pull, impact, jarring and torque loads without affecting the release mechanism.

The disconnect facility provides a means of disconnecting by simply dropping a ball from surface and applying pressure. After disconnection a standard internal GS profile allows for subsequent retrieval.

The circulating sub is ball activated and, when utilised, introduces a flow path from the tool ID to the annulus thus allowing for higher circulation rates. If, for any reason, circulation through the tool string is lost, a rupture disc option is also included as standard. This can be set and ruptured at a predetermined pressure.

Specifications and features

- This tool is designed to operate below jars or impact hammers and during milling operations
- Impact, shock loading, torque and straight pull tolerant design
- Adjustable shear pin rating on disconnect
- Ball activated disconnect facility with surface pressure indication of successful activation
- Rupture disk facility
- Variable ball seat sizes
- Standard internal GS profile

Tool Size (in)	1.688	2.125	2.875	3.125
End Connection	1" AMMT	1 - 1/2" AMMT	2 - 3/8" PAC	2 - 3/8" PAC
Tensile Strength (lbs)	33,860	62,000	120,300	120,300
Torsional Yield (ft/lbs)	570	1300	3100	3100
Ball Seat ID (in)	0.344	0.469	0.560	0.655
Length (ft)	1.44	1.60	1.86	1.86
Drop Ball Size (in)	0.375	0.500	0.625	0.688
Fish Neck Size	1-1/2" GS	2" GS	3" GS	3" GS
Working Pressure (psi)	10,000	10,000	10,000	10,000

The equipment specifications and information advised in this document are for information only and may be liable to change without notice. Additional tool sizes and connection variations are available upon request.

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