

Datasheet Well Key® 218 Friction Grip

The Well Key® Friction Grip increases operational efficiency in completions and interventions as it has been designed to allow the shifting and manipulation of multiple sleeves within a single run. As the key operates by creating a high friction lock which can universally adapt to multiple profiles and does not require a specific single key profile, it can therefore be used to shift several different sleeves in one run. Its active hydraulic control and high expansion ratio ensure full integrity of downhole jewellery whilst the ability to have complete control from surface also reduces operational risk by ensuring the tool is only activated once on target depth.

Applications	Features	Benefits
<ul style="list-style-type: none"> Shifting sleeves without a distinct latching profile 	<ul style="list-style-type: none"> Allows transfer of high, controllable force 	<ul style="list-style-type: none"> Force applied directly to target
	<ul style="list-style-type: none"> Passive fail-safe system 	<ul style="list-style-type: none"> Fewer runs
	<ul style="list-style-type: none"> Rugged design allows for multiple repeated actuations 	<ul style="list-style-type: none"> No jarring required
	<ul style="list-style-type: none"> Bi-directional in same run 	<ul style="list-style-type: none"> Large range of ID's accessible
	<ul style="list-style-type: none"> High expansion ratio 	<ul style="list-style-type: none"> Accurate depth control
	<ul style="list-style-type: none"> Ability to control position via surface read-out 	<ul style="list-style-type: none"> Reduced risk of damage to well hardware
	<ul style="list-style-type: none"> Wide range of sizes 	<ul style="list-style-type: none"> Operates on any e-line via DC
	<ul style="list-style-type: none"> Universal adapter (latch profile not required) 	<ul style="list-style-type: none">

Specifications*	Imperial	Metric
<ul style="list-style-type: none"> Length 	<ul style="list-style-type: none"> 7.68 ft 	<ul style="list-style-type: none"> 2.34 m
<ul style="list-style-type: none"> Running OD nominal 	<ul style="list-style-type: none"> 2 1/8" 	<ul style="list-style-type: none"> 54 mm
<ul style="list-style-type: none"> Weight in air 	<ul style="list-style-type: none"> 60 lbs 	<ul style="list-style-type: none"> 27 Kg
<ul style="list-style-type: none"> Completion ID 	<ul style="list-style-type: none"> 2.4 – 4.1" 	<ul style="list-style-type: none"> 60 mm – 105 mm
<ul style="list-style-type: none"> Maximum well pressure 	<ul style="list-style-type: none"> 20,000 psi 	<ul style="list-style-type: none"> 1,400 bar
<ul style="list-style-type: none"> Maximum well temperature 	<ul style="list-style-type: none"> 302 F 	<ul style="list-style-type: none"> 150 °C
<ul style="list-style-type: none"> Tensile strength 	<ul style="list-style-type: none"> 30,000 lbs 	<ul style="list-style-type: none"> 13,600 Kg
<ul style="list-style-type: none"> Compressive strength 	<ul style="list-style-type: none"> 30,000 lbs 	<ul style="list-style-type: none"> 13,600 Kg

* Dependent upon configuration

