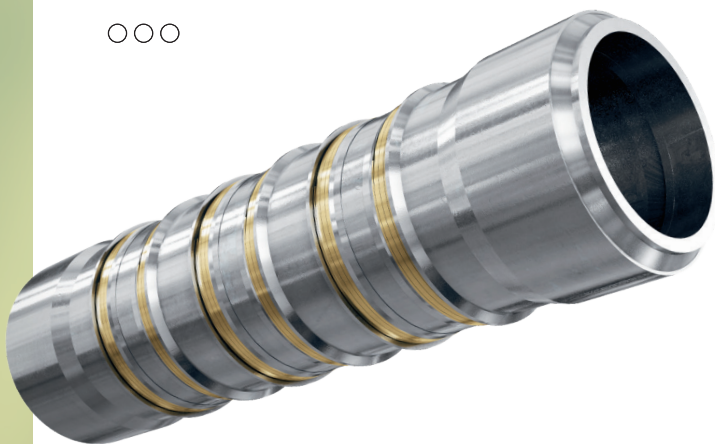


WELLTEC® **LIGHT PACKER (WLP)** FOR ZONAL ISOLATION

The WLP (Welltec® Lite Packer) is our tiered offering to the zonal isolation and well construction & integrity markets, developed specifically for less hazardous environments & lower tertiary markets, that has historically incorporated legacy swellable technology as a means for isolation.

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Welltec®

The WLP provides a number of the benefits of our flagship WAB® (Welltec® Annular Barrier), but incorporates design & construction efficiencies that facilitates a CAPEX effective technology for marginal applications.

The WLP is more compact in sleeve length, therefore reducing overall sealing length and utilizes an optimised standard sleeve material, whilst providing consistency in open hole / cased hole seal design from the flagship WAB® (Welltec® Annular Barrier)

The WLP is a high grade, robust alternate to swellable technology for zonal isolation & cement assurance.

Applications

- Effective zonal isolation and compartmentalization in cased and open hole

Features

- Rugged, All welded, Metallic Construction
- Expansion assurance in multi-WLP applications
- High Expansion Capability
- Constant, Δp over full expansion range
- No premature expansion

Benefits

- Workable during deployment enabling liner to TD
- Slim OD allows for high rate circulation during deployment
- Rapid Set nature of WLP reduces time to production
- High Rate Circulation capability
- Full Bore – as per Casing / Tubing



WCS PRODUCT SPECIFICATIONS

Welltec® WLP	General information
Product name	Welltec® Light Packer (WLP)
Product structure	Single piece, machined sleeve – fully welded to base pipe
Seal length	0,4m
Base casing	Compatibility with all standard casing material / weight / threads
Standard material*	316
Standard elastomers & seals***	HNBR

*Alternative metallurgy available on request.

Welltec® WLP	378WLP	414WLP	614WLP	812WLP	1214WLP
Expansion range in (mm)	3.75 > 4.20" (95.25 > 106.7mm)	4.06 > 4.87" (103.1 > 123.7mm)	6.25 > 7.20" (158.8 > 182.9mm)	8.50 > 10.00" (215.9 > 254mm)	12.25 > 15.00" (311.15 > 381.0mm)
Minimum running OD in (mm)	3.50" (88.9mm)	3.90" (99.1mm)	5.90" (149.7mm)	8.20" (208.3mm)	11.62" (295.2mm)
ISO14310 standard **	V6	V6	V6	V3	V6
Maximum internal pressure psi (bar)	6,000psi (414bar)	6000psi (414bar)	5,000psi (345bar)	8000psi (552bar)	4,500psi
Constant element ΔP across expansion range	1,500psi (103bar)	2,000psi (138bar)	1,500psi (103bar)	1,500psi (103bar)	3,000psi
Maximum element length ft (m)	1.3ft (0.4m)	1.3ft (0.4m)	1.3ft (0.4m)	1.3ft (0.4m)	1.3ft (0.4m)
Maximum temperature °C (°F) ***	160°C (320°F)	160°C (320°F)	160°C (320°F)	160°C (320°F)	160°C (320°F)
Base-pipe range (up to)	2-7/8"	2-7/8"	4.5"	7"	9-5/8"
ID in (mm)	Full Bore (as per base-pipe)				

** Upgraded ISO 14310 Leak Rate Criteria available upon request

*** Maximum Temperature is based on HNBR seals & elements

