

Flora full range elevator-spider (FRES)

Get safer, quicker, simpler, tubular handling operations

Applications

- Offshore/deepwater drilling and completion rigs
- Premium casing, completions, and landing strings
- Chrome/CRA pipe
- Drill pipe
- Heavy strings
- Tapered strings

Features and Benefits

- Decrease tubular run times
 - Largest slip setback on the market with passthrough clearance supports handling assemblies up to 7.9 in OD over pipe body OD without any reconfiguration
 - Multi-sized inserts run tapered strings without needing to changeout or manually reconfigure handling tools
- Supports extra high load capacity up to 1,500-ton
- Lowers carbon footprint with a universally applicable tool for all pipe sizes
- Refits and maintain slips between runs by easily swapping slip segments out with a tugger in 20 minutes
- Integrates plug-and-play into driller's chair control for BX-capable rigs
 - Saves time by not rigging up service loop
 - Allows Driller to control the block and handling tools, similar to tripping drill pipe

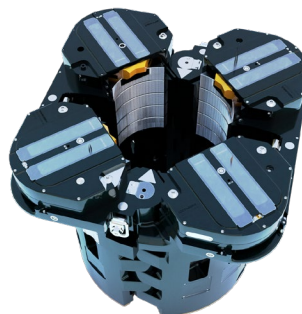
The Flora™ full range elevator-spider (FRES) features the largest slip setback on the market and serves as a universal handling tool for all the strings in your well giving you safer and quicker tubular handling services with simpler logistics.

Flora FRES has the capability of running multi-sized pipe. This eliminates the need to change out tools in an open-hole environment, thus reduces risks associated with dropped objects, heavy lifting, and working near an open-hole.

Technical specifications

Pipe range	4.5 to 23.5 in.
Maximum pass through*	7.9 in.
Max load capacity	1,500 ton
Operating pressure	2,321 to 3,046 psi
Volumetric flow	6 to 10 gpm
Air pressure	87 to 116 psi
Elevator link compatibility	500 to 1,500 ton 15 ft and longer
Rotary table	49.5 in.
Signal type	ABC or BX
Control	Standalone panel / Driller's Chair

*Varies with pipe OD



Flora FRES offers simpler logistics by providing one universal tool for all the strings in your well by being efficiently field-serviceable. Changing out the slips from one size run to the next takes less than 20 minutes and can be done with as little as a tugger.

Safety and handling

Before handling, transporting, or use, review the Owner's Manual for guidance.



Pipe size (in.)	Passthrough over nominal (in.)*
4.5 to 7	7.90
7.625 to 9.625	7.50
9.875 to 14	7.25
16 to 20	7.00
21.5	5.50
22	5.00
23.5	3.50

* i.e. 4.5-in. pipe + 7.9-in. passthrough = 12.4-in.