

# UNIQUE MACHINE

## *Cementralizer™* Specialty Centralization



Helical bladed premium couplings for flush joint and coupled casings & liners.

Tested and proven in the oilfields of Alaska

## *Applications and Successes*

### **Extended reach programs**

The *Cementralizer*<sup>™</sup> will help you withstand the challenges presented by new oil reserves pushing technology for greater drill depths and production strings. The *Cementralizer*<sup>™</sup> has been designed with the goal of achieving a 100% compliance to the original thread performance, enhance rotation and reciprocation capabilities within the well, centralization of the string, reduced running friction, provide a limited reaming capability and increase cementing success. Our success in obtaining these objectives will result in your success with extended reach programs.

### **Coil tubing drilling success**

With the small hole conditions and the lack or limited ability of coil tubing units to apply rotational and limited compression forces to liners, getting to total depth has been a difficult problem. Our answer to overcome these problems has been the *Cementralizer*<sup>™</sup>. Continued use in Alaska has shown consistent friction reduction gains and sound cementing operations.

### **Workover sidetrack challenges**

Getting past a milled window or achieving total depth with slip on centralization techniques often causes typical centralizers to slip and present stacking problems. Our integrated coupling and centralizer design reduces the chance of running problems through the ability to tolerate extreme axial and radial dynamic loads.

### **Ability to run in reduced clearance conditions**

With new technologies to reduce hole size while achieving greater total depths, casing and liners simply must go to bottom easily and without damage. Using the *Cementralizer*<sup>™</sup> to lower running friction is often the most economical answer to achieve the extra distance required. The use of flush joint pipe with the *Cementralizer*<sup>™</sup> creates the largest flow area and stand-off values available on the market.

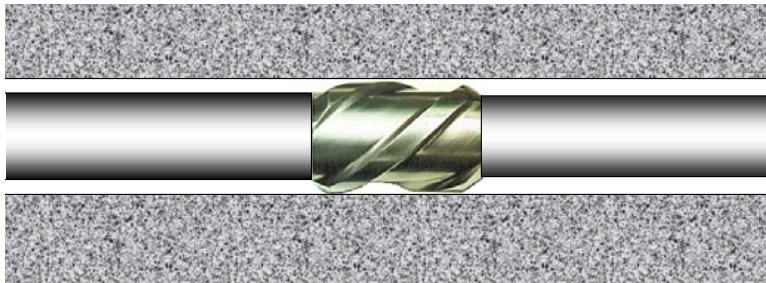
### **Flush joint strength enhancement**

The design combination of nominal body size manufactured at the extremes of pipe tolerances and helical blades extending the full length of the part has produced a coupling of extreme durability. Testing under compressive load conditions has shown failures result at the regular flush joint connection before the *Cementralizer*<sup>™</sup> connection.

### **Cost reduction and assurances in one unit**

Having our *Cementralizer*<sup>™</sup> bucked on at any quality manufacturing facility assures cost savings by combining durability and centralization in one package. Running times are greatly decreased when compared to slip on type centralizer installation on the rig floor.

## *Cementralizer™* Flush Joint Pipe Applications



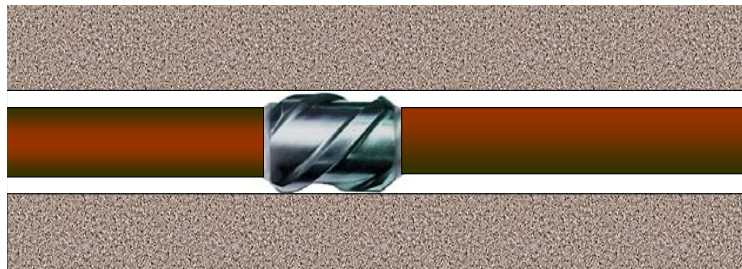
### *Worlds First Flush Joint Cement Coupling*

#### Advantages

- Maximum flow area
- Economical and lowers field costs
- Improves running of casing & liner
- Reduces differential sticking
- Lowers running friction
- 360 degree standoff
- No decrease in connection strength
- Excellent mud and scale removal
- Helical blades improve cementing operations
- No slippage
- Most premium connections available
- Run with conventional elevators
- Tong adapters for all sizes
- Stabbing guides for all sizes
- Box by pin also available
- Quick deliveries
- Proven performance in the harsh conditions of Alaska

**Come on up to our way down!**  
Use the *Cementralizer™* in your next well.

*Cementralizer™*  
**Threaded and Coupled Applications**



*The Industries Strongest Most Universal Cement  
Coupling*

**Advantages**

- Value added by all in one design
- Reduced rig time
- No set screws, no slippage
- Reduced running friction
- Facilitates rotating and reciprocating
- Ease of getting to bottom greatly increased
- Special clearance body available for improved flow
- Helical blades improve cementing operations
- Additional coupling strength
- Available in most premium threads

Use the *Cementralizer™* when you just can't take the chance.

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All tubing, casing up to 10 3/4” and API grades currently available

Tong adapters for all sizes

Most premium threads

Special body sizes no problem

Most flush joint threads

International shipments



Reference of common flush joint sizes

Pipe Size	Hole Size	Blade Diameter	Length Overall	Number Of Blades	Blade Width
2.375	3.00	2.70	4.75	3	.500
2.375	3.75	3.50	4.75	3	.500
2.875	3.75	3.50	5.25	3	.625
2.875	4.50	4.25	5.25	3	.625
3.500	4.50	4.25	6.25	3	.625
3.500	4.75	4.50	6.25	3	.625
4.500	6.25	6.00	8.00	4	.625
5.000	6.25	6.00	8.00	4	.625
5.500	6.75	6.37	8.00	4	.687
5.500	6.75	6.50	8.00	4	.687
7.000	8.50	8.25	9.5	6	.625
7.625	9 5/8 47# Casing	8.38	10.00	6	.687
9.625	11 3/4 65# Casing	10.37	10.625	6	.687



Rig make and break tong adapter is simple to use and assures true radial torque to the connection . The adapter is designed to fit power and manual tongs to automatically lock onto helical blades for by-rotational torque applications and to prevent damage to the connection or rig tongs.

For production buck up machines, a simple and economical buck-up adapter is available with shipment of the *Cementralizer*<sup>™</sup>. The effort of buck-on is nearly as easy as a standard coupling with no damage by aggressive tong dies to the product. Furnished in standard coupling diameters for ease of setup.



2-7/8 13Chrome *Cementralizer*<sup>™</sup> tubing ready for shipment.

The protectors are slightly larger than the blade diameters to assure safe shipment to your rig site.

Special stabbing guides are available for the *Cementralizer*<sup>™</sup> product line.  
Correct costly stabbing damage to connections before they happen.

Now even flush joint pipe stabs easily, just set guide on the  
*Cementralizer*<sup>™</sup> and land the pipe.





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