

## Housings:

### TRANSMITTER HOUSINGS

- Engraved batch number to trace material, heat treat, and manufacturing date; engraved part number for identification
- Bolt-On housings incorporate the Super Nozzle designed to minimize clogging
- Thread-milled bolt holes give a better quality thread and allow more threads to engage
- Epoxied slots minimize the transmitter's exposure to mud and debris
- Heat-treated, chrome-nickel-moly alloy steel for maximum strength and durability – the same high strength, fatigue-resistant steel used in landing gears and propeller shafts
- Removable, replaceable tail-piece increases life of housing, while standard API threads adapt to various rigs

#### SIDE-LOAD, BOLT-ON



#### SIDE-LOAD, BOLT-ON One-Piece Housing



#### SIDE-LOAD, THREAD-ON



Capacity	Diameter	Rear Thread	Bolt Pattern	Bolt-On Housing Part #	Replacement Lid Part #	Housing Lid Bolts Part #
<b>Bolt-On Using Digttrak for Vermeer® Drills</b>						
< 6,000 lb.	2"	1.21-6 Box	3-bolt, 10mm	1720-HM-09	1720-HM-09-CP	SHCS3/8X3/4
6,000 to 10,000 lb.	2.5"	FS200	5-bolt, 3/8"	3625-HT3-06	3625-HT3-CP	SHCS1/2X3/4-N
6,000 to 10,000 lb.	2.5"	2" IF Box	6-bolt, 1/2"	3625-HT3-13	3625-HT3-CP	SHCS1/2X3/4-N
10,000 to 20,000 lb.	2.75"	2" IF Box	6-bolt, 1/2"	3627-HT3-13	3627-HT3-CP	SHCS1/2X3/4-N
20,000 to 24,000 lb.	3"	2.125" LP Pin	6-bolt, 1/2"	2630-HT3-13-L43	2630-HT3-13-CP	*SHCS1/2X3/8-N & *SHCS1/8X5/8-N
20,000 to 40,000 lb.	3.25"	2.375" Reg Box	6-bolt, 1/2"	3632-HT3-13	3632-HT3-13-CP	SHCS1/2X3/4-N
<b>Bolt-On Using Subsite Beacons for Ditch Witch® Drills</b>						
< 6,000 lb.	2"	1.21-6 Box	3-bolt, 10mm	1920-HD-09	1920-HD-09-CP	SHCS3/8X3/4
6,000 to 20,000 lb.	2.5"	2" IF Box	5-bolt, 12mm	3927-HD3-14	3927-HD3-CP	SHCS12mmx20mm-N
20,000 to 30,000 lb.	3.25"	2.375" Reg Box	6-bolt, 16mm	3932-HD3-15	3932-HD3-CP	SHCS16mmx25mm-N
20,000 to 40,000 lb.	3.5"	2.375" Reg Box	6-bolt, 16mm	3935-HD3-15	3935-HD3-CP	SHCS16mmx25mm-N
<b>Super Nozzel Replacements</b>		<b>Hole Size</b>	<b>Part #</b>	<b>Hole Size</b>	<b>Part #</b>	<b>Hole Size</b>
		.125" hole	1600-1712	.156" hole	1600-1715	

\*Housing 2630-HT3-13-L43 uses both SHCS1/2X3/8-N & SHCS1/8X5/8-N bolts.

Capacity	Diameter	Rear Thread	Bit Thread	Thread-On Housing Part #	Replacement Lid Part #	Housing Lid Bolts Part #
<b>Thread-On Using Digttrak for Vermeer® Drills</b>						
6,000 to 10,000 lb.	2.5"	2" IF Box	2" IF Box	3625-HT3	3625-HT3-CP	SHCS1/2X3/4-N
10,000 to 20,000 lb.	2.75"	2" IF Box	2" IF Box	3627-HT3	3627-HT3-CP	SHCS1/2X3/4-N
20,000 to 40,000 lb.	3.25"	2.375" Reg Box	2.375" Reg Box	3632-HT3	3632-HT3-CP	SHCS1/2X3/8-N
40,000 to 80,000 lb.	4.25"	2.875" IF Box	2.875" IF Box	3742-HT3	3742-HU3-CP	SHCS1/8X5/8-N
<b>Thread-On Using Subsite Beacons for Ditch Witch® Drills</b>						
6,000 to 20,000 lb.	2.5"	2" IF Box	2" IF Box	3927-HD3	3927-HD3-CP	SHCS12mmx20mm-N
20,000 to 30,000 lb.	3.25"	2.375" Reg Box	2.375" Reg Box	3932-HD3	3932-HD3-CP	SHCS16mmx25mm-N
20,000 to 40,000 lb.	3.5"	2.375" Reg Box	2.375" Reg Box	3935-HD3	3935-HD3-CP	SHCS16mmx25mm-N
40,000 to 80,000 lb.	4.25"	2.875" IF Box	2.875" Reg Box	3942-HD3	3742-HU3-CP	SHCS1/2X3/4-N

## END-LOAD, HIGH-FLOW TRANSMITTER HOUSINGS



- Heat-treated, chrome-nickel-moly alloy steel for maximum strength and durability – the same high strength, fatigue-resistant steel used in landing gears and propeller shafts
- Multiple fluid passages allow for maximum flow without pressure restrictions
- End-load design for maximum torsional, compressive, and bending strength
- Simple, interchangeable internal mechanism allows the same housing to be used with most locating systems
- Accommodates Digitrak 2-cell, 4-cell, and cable transmitters (Eclipse systems and newer); Subsite 86B, 86BV2 beacons
- For rigs from 20,000 to 160,000+ lbs. thrust
- Stainless steel springs support and cushion the transmitter allowing it to be used with air hammers, as well as mud motors
- Can be used with Mud Motors, Eagle Claw bits, Iron Fist bits and Bolt-On Bit Bodies

## BOLT-ON BIT BODIES

For Thread-On Bit Style Housings

- Allows blades to be used with Thread-On and High-Flow style housings
- All configurations incorporate the Super Nozzle designed to minimize clogging



High-Flow Housings used with all locating systems				
Capacity	Diameter	Rear Thread	Front Thread	Part #
< 40,000 lb.	3.5"	2.375" IF Box	2.375" Reg Box	ELH-350
40,000 to 80,000 lb.	4.25"	2.875" IF Box	2.875" Reg Box	ELH-425
80,000 to 140,000 lb.	4.875"	3.5" IF Box	3.5" Reg Box	ELH-487
140,000 to 300,000 lb.	6.375"	4.5" IF Box	4.5" Reg Box	ELH-638

Locator Kits for High-Flow Housings		
Locator Type	ELH-350, 425, 487 Part #	ELH-638 Part #
Digitrak, 15"	ELH-DIGI-KIT	ELH638-DIGI-KIT
Digitrak, 19"	ELH-DIGIXL-KIT	ELH638-DIGIXL-K
Digitrak, 15" Green	ELH-DIGI-KIT-G	ELH638-DIGI-K-G
Digitrak, 19" Green	ELH-DIGIXL-KIT-G	ELH638-DIGIXL-K-G
Digitrak, Cable 15"	ELH-DIGIWIRE-KIT	ELH638-DIGWIR-K
Subsite, 86B	ELH-86B-KIT	ELH638-86B-KIT
Subsite, 86BV2	ELH-BV2-KIT	ELH638-BV2-KIT

Thread →	2" IF Pin	2½" Reg Pin	2⅞" Reg Pin	3½" Reg Pin
Bolt Size ↓	Part #	Part #	Part #	Part #
<b>Bolt-On Bit Body for Vermeer® Drills</b>				
½"	1725-13*	1632-13*		
⅝"			1742-23	
¾"				3748-33
<b>Bolt-On Bit Body for Ditch Witch® Drills</b>				
12mm	1927-14*	1932-14*		
16mm		1932-15*		
20mm			1942-25*	

Melfred Borzall offers a variety of replacement bolts for your blades and housings. Other bolt patterns and threads can be special ordered. Call for a complete selection.

\*Equipped with internal check valve to minimize clogging.