

Mobile Drill Intl

HELPING YOU BUILD OUR WORLD SINCE 1947

THREADED CASING & SHOES

DCDMA W-Design Flush Joint Casing and Accessories – Available in two distinct styles: **single use** type with non-heat treated tool joints or **multi-use** type with heat treated tool joints.

Flush joint casing is part of any effective strategy for sealing off overburden, weathered surface formations and large boulders when hollow stem augers are not an option. Casing permits drilling fluids to circulate and return cuttings to the surface. All sizes are specified by DCDMA Standards to allow nesting or telescoping and interchangeability between brands.

When ordering simply match your desired inside diameter with your required lengths & specify **single use** or **multi-use** to fit your down-hole application.



Flush Joint Steel Casing



HWT x Wireline Casing Advancer & 3-7/8" x Tungsten Carbide Bit (shown above). These lock into the HWT Outer Drive Housing (short piece of casing) at the bottom of your casing string, allowing you to convert your casing into a tool string and simultaneously advance and case the formation.



The Wireline Casing Advancer locks into the Outer Driver Housing (short piece of casing) & sets/ retrieves the Advancer with the same Overshot assembly that you use for your wireline core barrel – when sampling intermittently or installing a well, packer or monitoring device.



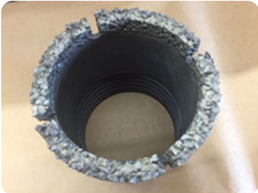
The Driver Housing (short piece of lead casing) can be equipped with a wide variety of Casing Shoes, depending on the formation. Pictured above is an HWT x Devil's Nightmare (Popcorn or Chunky Carbide) type. The Shoe cuts a slightly larger hole than the casing outside diameter, allowing the casing to follow this lead section smoothly down the bore hole.



The Outer Driver Housing easily threads onto the first piece of (5-foot or 10-foot long) flush joint casing, with the same threads, allowing you to simultaneously advance the hole & case off the formation.



With Advancer locked into your Outer Driver Housing (short piece of casing) – the bore hole is closed off to the outside formation (Devil's Nightmare Casing Shoe & Tri-Cone Bit shown) and assures that you can cut through both overburden & hard rock, while simultaneously advancing your casing and sealing off the (cased) bore hole from the surrounding lithology.

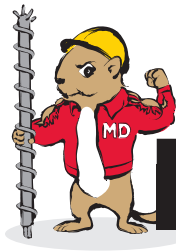


Looking up from the bottom of the bore hole, once the Advancer is removed from the casing, a clean (open) hole is exposed for soil sampling, rock coring, well placement or monitoring equipment installation (HWT x Devils Nightmare Casing Shoe shown).

DCDMA Casing Type	Outside Diameter	Inside Diameter	Threads Per Inch	Assembly Length
AW	2-1/4-inch (57mm)	1-29/32-inch (48.4mm)	4-TPI	2-Foot (610mm)
AW	2-1/4-inch (57mm)	1-29/32-inch (48.4mm)	4-TPI	3-Foot (914.4mm)
AW	2-1/4-inch (57mm)	1-29/32-inch (48.4mm)	4-TPI	5-Foot (1.5m)
AW	2-1/4-inch (57mm)	1-29/32-inch (48.4mm)	4-TPI	10-Foot (3m)
BW	2-7/8-inch (73mm)	2-3/8-inch (60.3mm)	4-TPI	2-Foot (610mm)
BW	2-7/8-inch (73mm)	2-3/8-inch (60.3mm)	4-TPI	3-Foot (914.4mm)
BW	2-7/8-inch (73mm)	2-3/8-inch (60.3mm)	4-TPI	5-Foot (1.5m)
BW	2-7/8-inch (73mm)	2-3/8-inch (60.3mm)	4-TPI	10-Foot (3m)
NW	3-1/2-inch (89mm)	3-inch (76.2mm)	4-TPI	2-Foot (610mm)
NW	3-1/2-inch (89mm)	3-inch (76.2mm)	4-TPI	3-Foot (914.4mm)
NW	3-1/2-inch (89mm)	3-inch (76.2mm)	4-TPI	5-Foot (1.5m)
NW	3-1/2-inch (89mm)	3-inch (76.2mm)	4-TPI	10-Foot (3m)
HW	4-1/2-inch (114.3mm)	4-inch (101.6mm)	4-TPI	2-Foot (610mm)
HW	4-1/2-inch (114.3mm)	4-inch (101.6mm)	4-TPI	3-Foot (914.4mm)
HW	4-1/2-inch (114.3mm)	4-inch (101.6mm)	4-TPI	5-Foot (1.5m)
HW	4-1/2-inch (114.3mm)	4-inch (101.6mm)	4-TPI	10-Foot (3m)
PW	5-1/2-inch (139.7mm)	5-inch (127mm)	3-TPI	2-Foot (610mm)
PW	5-1/2-inch (139.7mm)	5-inch (127mm)	3-TPI	3-Foot (914.4mm)
PW	5-1/2-inch (139.7mm)	5-inch (127mm)	3-TPI	5-Foot (1.5m)
PW	5-1/2-inch (139.7mm)	5-inch (127mm)	3-TPI	10-Foot (3m)
SW	6-5/8-inch (168mm)	6-inch (152.4mm)	3-TPI	2-Foot (610mm)
SW	6-5/8-inch (168mm)	6-inch (152.4mm)	3-TPI	3-Foot (914.4mm)
SW	6-5/8-inch (168mm)	6-inch (152.4mm)	3-TPI	5-Foot (1.5m)
SW	6-5/8-inch (168mm)	6-inch (152.4mm)	3-TPI	10-Foot (3m)

DCDMA Casing Type	Wireline Type Casing Advancer
BW	Yes
NW	Yes

DCDMA Casing Type	Casing Shoe Cutting Surface	Threads Per Inch
AW	Standard Heat Treated	4-TPI
AW	Diamond Impregnated	4-TPI
AW	Chunky-Carbide "Devils Nightmare"	4-TPI
BW	Standard Heat Treated	4-TPI
BW	Diamond Impregnated	4-TPI
BW	Chunky-Carbide "Devils Nightmare"	4-TPI
NW	Standard Heat Treated	4-TPI
NW	Diamond Impregnated	4-TPI
NW	Chunky-Carbide "Devils Nightmare"	4-TPI
HW	Standard Heat Treated	4-TPI
HW	Diamond Impregnated	4-TPI
HW	Chunky-Carbide "Devils Nightmare"	4-TPI
PW	Standard Heat Treated	3-TPI
PW	Diamond Impregnated	3-TPI
PW	Chunky-Carbide "Devils Nightmare"	3-TPI
SW	Standard Heat Treated	3-TPI
SW	Diamond Impregnated	3-TPI
SW	Chunky-Carbide "Devils Nightmare"	3-TPI



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T-Series Flush Joint Casing & Accessories

Available in one style – **multi-use** type with heat treated tool joints.

This tapered, coarse threaded, flush joint casing has tremendous advantages over W-Design because it works vertically & really pays for itself at an angle.

It too is a very effective strategy for sealing off overburdened, weathered surface formations & large boulders when hollow stem augers are not an option.

Casing permits drilling fluids to circulate & return cuttings to the surface.

When ordering simply match your desired inside diameter with your required length to fit your down-hole application.



HWT x Wireline Casing Advancer & 3-7/8" x Tungsten Carbide Bit (shown above). These lock into the HWT Outer Drive Housing (short piece of casing) at the bottom of your casing string, allowing you to convert your casing into a tool string and simultaneously advance and case the formation.



The Outer Driver Housing easily threads onto the first piece of (5-foot or 10-foot long) flush joint casing, with the same threads, allowing you to simultaneously advance the hole & case off the formation.



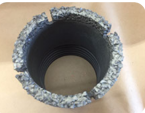
The Driver Housing (short piece of lead casing) can be equipped with a wide variety of Casing Shoes, depending on the formation. Pictured above is an HWT x Devil's Nightmare (Popcorn or Chunky Carbide) type. The Shoe cuts a slightly larger hole than the casing outside diameter, allowing the casing to follow this lead section smoothly down the bore hole.



With Advancer locked into your Outer Driver Housing (short piece of casing) – the bore hole is closed off to the outside formation (Devil's Nightmare Casing Shoe & Tri-Cone Bit shown) and assures that you can cut through both overburden & hard rock, while simultaneously advancing your casing and sealing off the (cased) bore hole from the surrounding lithology.



The Wireline Casing Advancer locks into the Outer Driver Housing (short piece of casing) & sets/ retrieves the Advancer with the same Overshot assembly that you use for your wireline core barrel – when sampling intermittently or installing a well, packer or monitoring device.



Looking up from the bottom of the bore hole, once the Advancer is removed from the casing, a clean (open) hole is exposed for soil sampling, rock coring, well placement or monitoring equipment installation (HWT x Devils Nightmare Casing Shoe shown).

DCDMA Casing Type	Outside Diameter	Inside Diameter	Threads Per Inch	Assembly Length
HWT	4-1/2-inch (114.3mm)	4-inch (101.6mm)	2-1/2-TPI	2-Foot (610mm)
HWT	4-1/2-inch (114.3mm)	4-inch (101.6mm)	2-1/2-TPI	5-Foot (1.5m)
HWT	4-1/2-inch (114.3mm)	4-inch (101.6mm)	2-1/2-TPI	10-Foot (3m)
PWT	5-1/2-inch (139.7mm)	5-inch (127mm)	2-1/2-TPI	2-Foot (610mm)
PWT	5-1/2-inch (139.7mm)	5-inch (127mm)	2-1/2-TPI	5-Foot (1.5m)
PWT	5-1/2-inch (139.7mm)	5-inch (127mm)	2-1/2-TPI	10-Foot (3m)

T-Series Casing Type	Wireline Type Casing Advancer
HWT	Yes
PWT	Yes

DCDMA Casing Type	Casing Shoe Cutting Surface	Threads Per Inch
HWT	Standard Heat Treated	2-1/2-TPI
HWT	Diamond Impregnated	2-1/2-TPI
HWT	Chunky-Carbide "Devils Nightmare"	2-1/2-TPI
PWT	Standard Heat Treated	2-1/2-TPI
PWT	Diamond Impregnated	2-1/2-TPI
PWT	Chunky-Carbide "Devils Nightmare"	2-1/2-TPI