

TITAN Rap-O-Round Manhole

Titan Series Manhole Shield is the first of its kind to offer on the job benefits, such as shelving to give you a staging area for pipe dope and laser targets. The shelving also gives you a place to support scaffolding for building structures in the trench.



TITAN MANHOLE				
	5" WALL			
Size	WT	A/B/C	Sprd HT	
4X8-ST	3,021	99/58/44	11"	
4X10-ST	3,390	99/58/44	11"	
4X12-ST	3,759	69/39/30	11"	
4X14-ST	4,128	50/29/22	11"	
6X8-ST	3,752	99/58/44	36"	
6X10-ST	4,196	99/58/44	36"	
6X12-ST	4,681	69/39/30	36"	
6X14-ST	5,146	50/29/22	36"	
8X8-K	4,345	99/58/44	54"	
8X10-K	4,993	99/58/44	54"	
8X12-K	5,492	69/39/30	54"	
8X14-K	6,053	50/29/22	54"	

TITAN Stone Box

Titan Stone Boxes are designed to set up a rhythm for pipe installation, helping you to always have bedding material staged by the excavation site for quick and uniform installation. The by-product of better production is safety, eliminating delays and no excess pressure on the trench walls. By utilizing a Titan Stone Box, your bedding material is always ready.



SIZE	Models	Bottom DIMS	Top DIMS	Total HT.	Total OAL.
4.5 CYD	Std & HD	48"X57"	58"X100"	65"	124"
6 CYD	Std & HD	49"X72"	69"X126"	75"	157"
7.5 CYD	Std & HD	61"X79"	70"X130"	76"	167"
9 CYD	Std & HD	62"X88"	71"X142"	83"	177"
12 CYD	Std & HD	77"X112"	89"X161"	87"	206"

Local Representative or Local Dealer					
--------------------------------------	--	--	--	--	--

TITAN SERIES STEEL TRENCH SHIELDS

Mainline Sewer & Water Installation and Specialty Trench Box Applications

TITAN UTILITY									
	3" WALL			5" WALL			6" WALL		
Size	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C	Sprd HT
4X4-K	613	54/31/23	22"	1,191	62/35/26	11"	2,085	98/54/41	11"
4X6-K	813	54/31/23	22"	1,423	62/35/26	11"	2,370	98/54/41	11"
4X8-K	1,013	49/27/21	22"	1,655	62/35/26	11"	2,655	98/54/41	11"
6X8-K	1,598	54/31/23	38"	2,195	62/35/26	38"	3,106	98/54/41	39"
6X10-K	1,896	36/21/16	38"	2,550	62/35/26	38"	3,548	98/54/41	39"
6X12-K	2,535	30/18/14	38"	2,993	50/29/22	38"	3,990	98/54/41	39"
6X14-K	3,094	22/13/11	38"	3,363	38/22/17	38"	4,432	81/46/35	39"
8X10-K	2,580	37/22/17	38"	3,372	53/31/24	60"	4,714	72/41/32	61"
8X12-K	3,422	31/18/14	38"	4,033	45/26/20	60"	5,304	64/36/27	61"
8X14-K	3,950	24/14/12	38"	4,452	37/22/17	60"	5,894	52/30/23	61"

CUSTOM SIZES AVAILABLE IN ALL MODELS CALL FACTORY OR LOCAL KUNDEL DEALER

TITAN Lite						
	5" WALL			6" WALL		
Size	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C	Sprd HT
4X16-ST	2,831	30/17/13	11"			
4X20-ST	3,591	26/15/12	11"			
4X24-ST	4,362	19/11/9	11"			
6X16-K	3,942	36/20/15	38"	5,572	57/32/25	38"
6X20-K	5,195	24/14/11	38"	6,965	36/21/16	38"
6X24-K	5,997	18/11/9	38"	7,831	25/15/12	38"
8X16-K	4,961	38/21/16	49"	6,542	58/34/26	49"
8X20-K	6,197	25/15/12	49"	7,894	38/22/18	49"
8X24-K	7,358	18/11/9	49"	9,308	27/16/13	49"

TITAN PLUS								
	5" WALL			6" WALL			8" WALL	
Size	WT.	Soil Depth A/B/C	Sprd HT	WT.	Soil Depth A/B/C	Sprd HT	WT.	Soil Depth A/B/C
4X16-ST	2,831	30/17/13	11"	4,818	69/39/29	9"	5,310	80/45/34
4X20-ST	3,591	26/15/12	11"	5,635	49/28/21	9"	6,490	64/36/28
4X24-ST	4,362	19/11/9	11"	6,490	34/19/15	9"	7,465	44/25/19
6X16-K	4,539	36/21/16	38"	6,451	75/43/32	34"	7,232	80/45/34
6X20-K	5,795	31/18/14	38"	7,589	55/32/24	34"	8,799	72/41/31
6X24-K	7,184	22/13/10	38"	8,754	38/22/17	34"	9,994	50/29/22
8X16-K	6,120	48/28/22	60"	8,187	73/42/31	58"	9,080	80/45/34
8X20-K	7,597	38/21/16	60"	10,275	55/32/24	58"	11,056	71/41/31
8X24-K	8,890	22/14/11	60"	11,276	38/22/17	58"	12,670	49/29/22

TITAN Two								
	5" WALL			6" WALL			8" WALL	
Size	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C
6X16-K	4,860	54/31/24	38"	6,104	70/40/31	34"	7,306	99/60/46
6X20-K	5,755	35/20/16	38"	7,020	53/30/24	34"	8,570	67/38/30
6X24-K	10,530	26/14/11	38"	8,179	37/21/17	34"	9,883	46/26/21
8X16-K	6,595	48/28/22	60"	8,036	86/49/38	58"	9,198	99/61/47
8X20-K	7,714	36/21/17	60"	9,500	54/31/25	58"	10,842	68/39/31
8X24-K	8,688	25/15/12	60"	12,650	40/23/18	58"	13,250	52/30/24

TIATAN Hybrid PLUS								
	5" WALL			6" WALL			8" WALL	
Size	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C
6X16-K	4,544	54/31/24	38"	5,707	70/40/31	34"	6,831	99/60/46
6X20-K	5,381	35/20/16	38"	6,564	53/30/24	34"	8,013	67/38/30
6X24-K	7,800	26/14/11	38"	7,647	37/21/17	34"	9,241	46/26/21
8X16-K	6,078	48/28/22	60"	7,514	86/49/38	58"	8,600	99/61/47
8X20-K	7,764	36/21/17	60"	9,917	54/31/25	58"	10,137	68/39/31
8X24-K	8,123	25/15/12	60"	11,689	40/23/18	58"	12,708	52/30/24

TITAN BRUTE								
	5" WALL			6" WALL			8" WALL	
Size	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C	Sprd HT	WT	Soil Depth A/B/C
4X16-K	4,450	55/31/24	9"	5,326	80/45/34	9"	6,330	99/56/42
4X20-K	5,344	41/23/18	9"	6,252	58/33/25	9"	7,653	75/42/32
4X24-K	6,243	28/16/13	9"	7,197	40/23/17	9"	8,819	52/29/22
6X16-K	6,437	59/34/26	34"	7,146	80/45/34	34"	7,893	99/56/42
6X20-K	7,660	46/27/21	34"	8,444	61/35/27	34"	9,293	79/45/34
6X24-K	8,887	32/19/15	34"	9,712	42/24/19	34"	10,721	54/31/24
8X16-K	7,757	61/36/27	58"	8,956	80/45/34	58"	9,951	99/56/42
8X20-K	9,930	46/27/21	58"	10,629	65/37/28	58"	11,773	84/48/36
8X24-K	11,476	32/19/15	58"	12,230	45/26/20	58"	13,579	58/33/26



1510 Ridge Rd.
Vienna, OH 44473
Facility Approx: 78,200



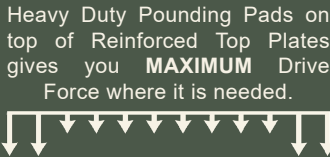
KUNDEL Construction 1950's

EQUIPMENT BUILT FROM EXPERIENCE



KUNDEL.COM
1.877.586.3353





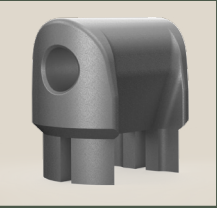
INTERNAL INLINE STACKING SYSTEM

Kundel Titan Series Shields all come with standard internal reinforced solid round bar **Stacking Pins**. Easily connect to shields together from inside the safety of the trench shield.



FORGED STEEL SPREADER SOCKETS

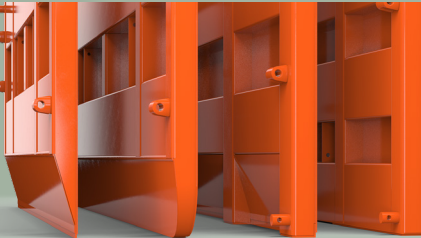
Kundel trench shields are the only shields with **FORGED Steel** spreader sockets. NO more spreader pin hole tear outs or crushed sockets.



ACCESSORIES & ATTACHMENTS

- Adjustable Spreaders** - Shown on Titan Lite
- Drop-ON** - Panel that hangs off spreaders
- Flex Panel** - Shown on Titan Manhole
- Dog House Cut Out** - Shown on Titan Utility
- Risers** - Shown on Titan Hybrid
- Super-MODE** - Shown on Titan Plus & Brute
- Lift Pockets** - Shown on Titan Plus & Brute

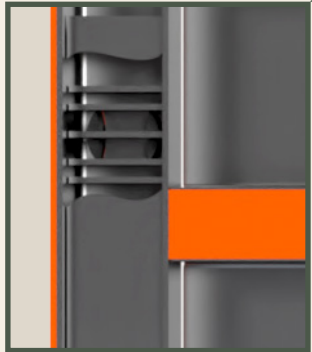
Knife Edges
Standard • Skid • Knife Stacker • Stacker



REINFORCED POUNDING MEMBERS



REINFORCED SPREADER SOCKETS & ENDTUBES



CUT AWAY TO SHOW SOCKET

ENGINEERED FOR DURABILITY & JOB PERFORMANCE

Titan Shields' unprecedented engineering utilizes the strength of formed steel to allow for both continuous vertical and horizontal framework. This unique design produces a trench shield that gives you the **STRENGTH, DURABILITY, LIGHTNESS**, and **DEPTH** you need to get the job done quick and safe.

VIEW FROM BACK WITH THE OUTSIDE REMOVED



BUILT TO BE DRIVEN DOWN IN THE TOUGHEST OF CONDITIONS

The Titan Shields' knife edge is a standout in the industry with an 18" high reinforced taper. The Trench Shield's reinforced vertical members transfer the energy from the pounding pads directly to the knife edge. The 18" taper also reduces the potential of the backfill pinching and pulling the pipe apart as the shield is dragged forward.

***IMPORTANT - NO Wood fill.**

Products shown with accessories sold separately

Products shown with accessories sold separately

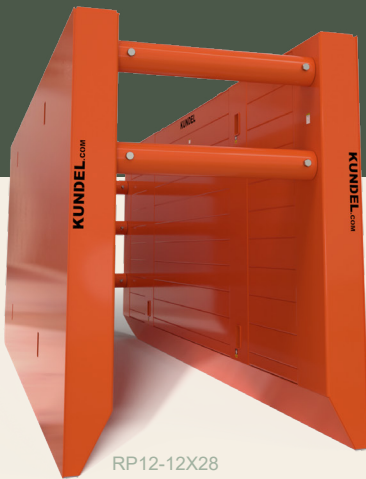


T5U-8X12 -CUT OUT

TITAN UTILITY are versatile, capable of handling a variety of applications, including manholes, spot repairs, and mainline work.

MODEL #	T3U	T5U	T6U
Excavator Wt.	12K - 38K	21K - 64K	18K - 47K
Depth Range	12' to 20'	12' to 24'	17' to 30'

FEATURES:
18" High Tapered • Reinforced Knife Edge
Solid Steel Sockets • 3/4" Pounding Pads
Solid Stacking Lug Bar • 3/8" x 3" Cutting Bar



RP12-12X28

TITAN Two The unique characteristics of this design includes smooth inside wall and excellent depth-to-weight ratings.

MODEL #	RP5	RP6	RP8
Excavator Wt.	21K - 76K	34K - 94K	45K - 120K
Depth Range	11' to 24'	17' to 38'	21' to 47'

FEATURES:
18" High Tapered • Reinforced Knife Edge
Solid Steel Sockets • 3/4" Pounding Pads
Solid Stacking Lug Bar • 1/2" x 3" Cutting Bar

TITAN Lite - Innovative engineering enables the use of thicker steel on the perimeter where it is needed most, with the best machine-to-box weight ratio.

MODEL #	T5L	T6L
Excavator Wt.	21K - 64K	21K - 64K
Depth Range	8' to 16'	13' to 25'

FEATURES:
18" High Tapered • Reinforced Knife Edge
Solid Steel Sockets • 3/4" Pounding Pads
Solid Stacking Lug Bar • 3/8" x 3" Cutting Bar



T5L-8X16 - ADJUSTABLE SPREADERS

TITAN Hybrid - Hybrid of two of our most popular series, Titan Lite and the Titan Two. By incorporating features from both series we have built a lightweight trench shield that is capable of reaching greater depths.

MODEL #	HP5	HP6	HP8
Excavator Wt.	21K - 76K	34K - 94K	45K - 120K
Depth Range	11' to 24'	17' to 38'	21' to 47'

FEATURES:
18" High Tapered • Reinforced Knife Edge
Solid Steel Sockets • 3/4" Pounding Pads
Solid Stacking Lug Bar • 1/2" x 3" Cutting Bar



HP6-10X24 - RISER



TP5-8X16 - SUPER MODE

TITAN PLUS - These shields rely on real-world engineering and thick, reinforced formed steel for unwavering toughness in the trench.

MODEL #	TP5	TP6	TP8
Excavator Wt.	21K - 76K	34K - 94K	45K - 120K
Depth Range	12' to 20'	16' to 30'	20' to 34'

FEATURES:
18" High Tapered • Reinforced Knife Edge
Solid Steel Sockets • 3/4" Pounding Pads
Solid Stacking Lug Bar • 1/2" x 3" Cutting Bar



TB6-8X24 - SUPER MODE

TITAN BRUTE - Robust, durable design. The name means what it says: Built tough for keeping the job moving in the roughest conditions. It's a BRUTE.

MODEL #	TB5	TB6	TB8
Excavator Wt.	32K - 110K	38K - 115K	44K - 131K
Depth Range	13' to 26'	17' to 34'	22' to 42'

FEATURES:
18" High Tapered • Reinforced Knife Edge
Solid Steel Sockets • 3/4" Pounding Pads
Solid Stacking Lug Bar • 1/2" x 3" Cutting Bar