

# PipePillo® User Guide

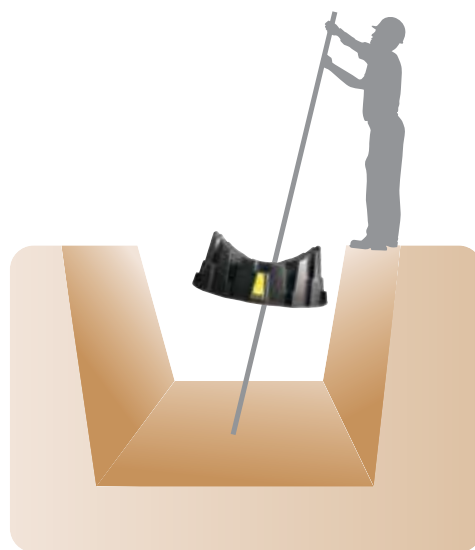
**PipeSak®**

Pipeline Products  
and Services

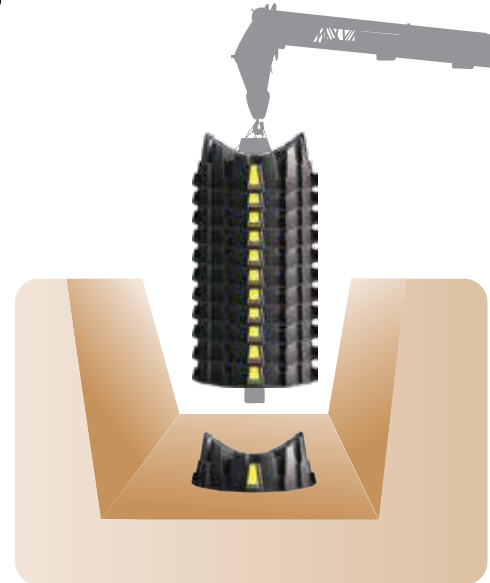
## Installation Methods



**Method 1**  
Toss & Straighten



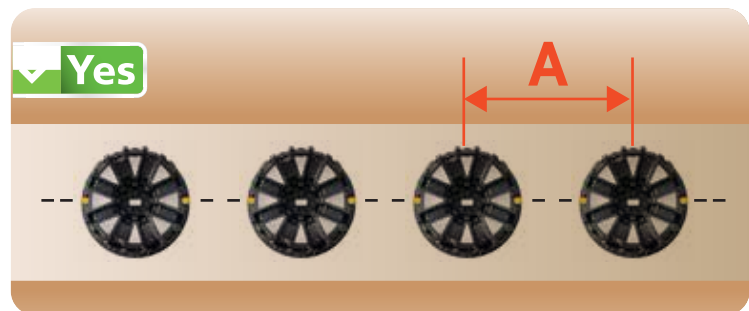
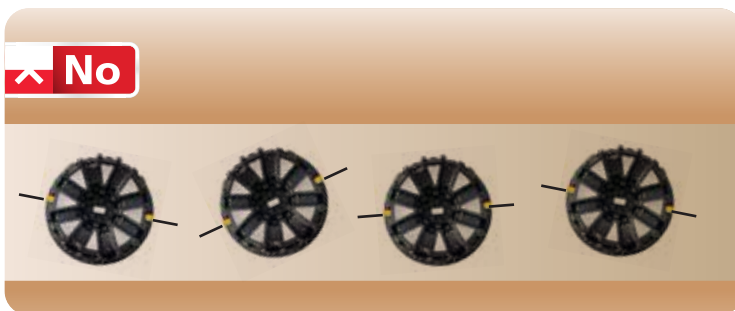
**Method 2**  
Slide down



**Method 3**  
PilloPicker®

## Spacing between PipePillos

Spacing design (A) as supplied by PipeSak are to be considered **maximum** spacing.  
Please contact PipeSak for sufficient spacing requirements.



**Center PipePillos in trench ( $\pm 20$  degrees)**

Closer spacings should be considered where additional loading is anticipated.

(See reverse page)

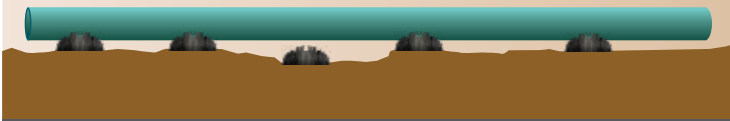
**Call PipeSak engineers at 1-866-PIPESAK (747-3725) with questions.**



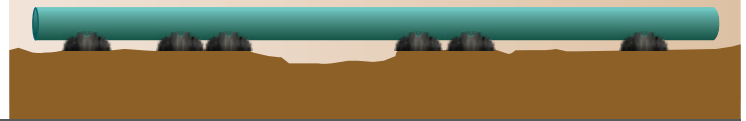
# Spread out the loads and stresses



**No**



**Yes**



Uneven trench – Poorly dug trench

**No**



**Yes**



Base of hills

**No**



**Yes**



Transitions from solid rock to soil

**No**



**Yes**



Top of over-bends and bottom of sags



## To tie PipePillos to the Pipe

For uneven trenches, PipePillos can be easily tied to the pipe before lowering-in. Loop a rope through the top attachment holes/handles and loosely tie to allow PipePillo to self-center as it lowers into the trench.

**No**



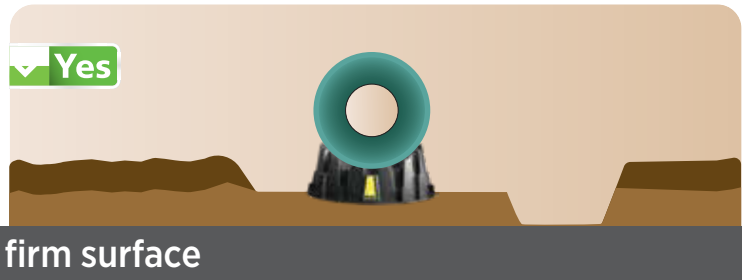
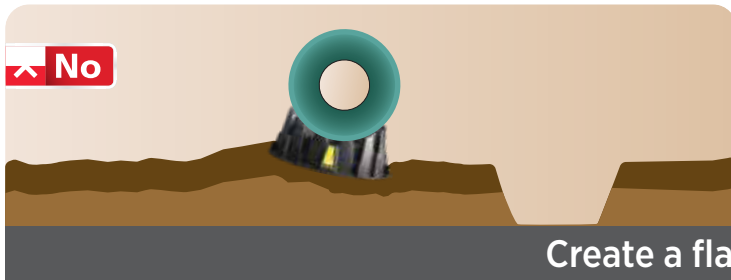
**Yes**



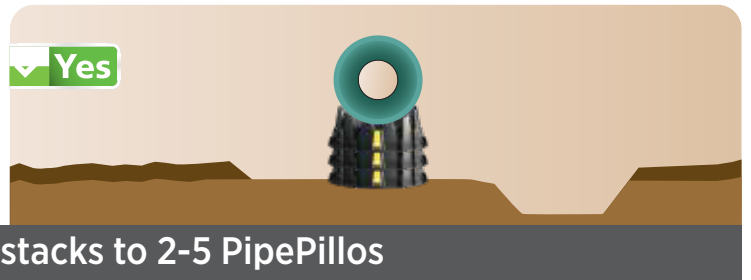
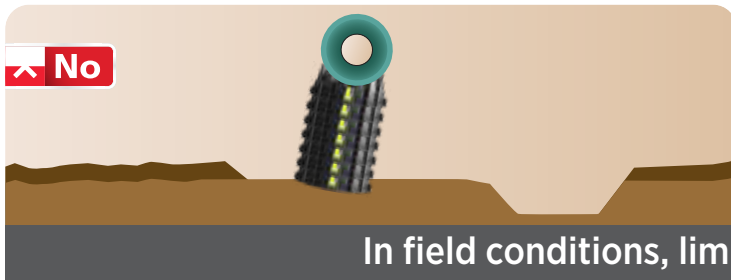
Short, uneven trench bottoms



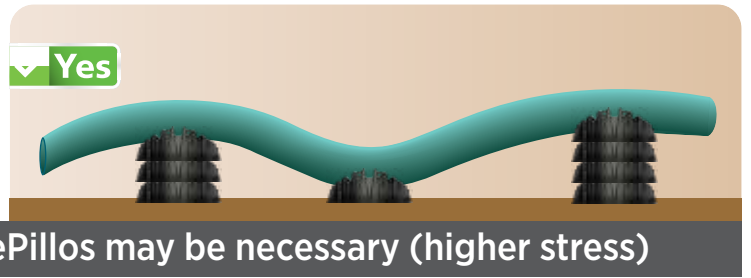
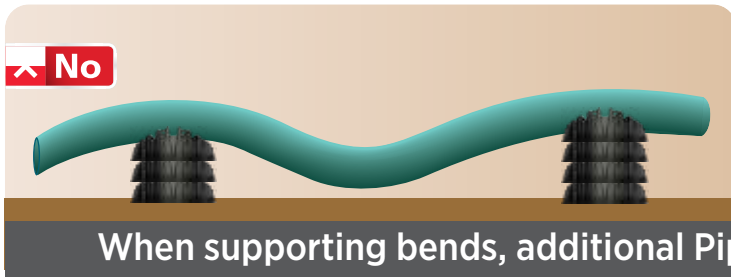
# PipePillo® Guidelines For Stringing



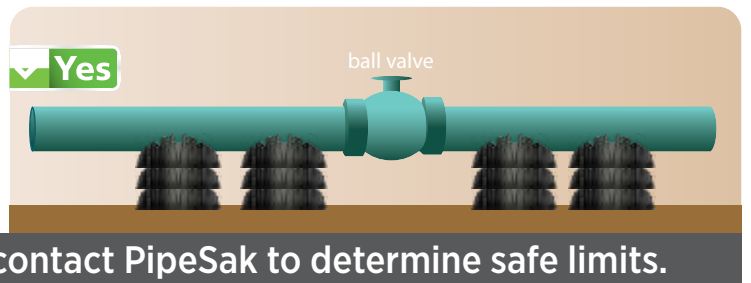
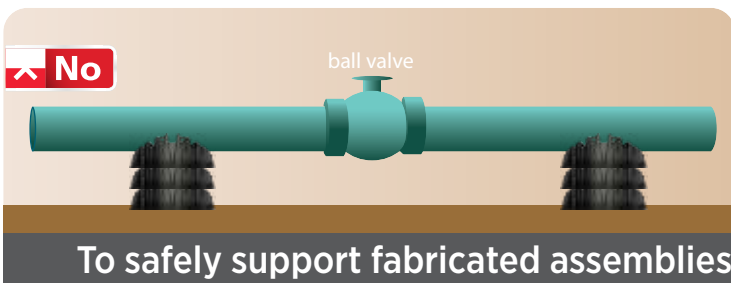
Create a flat, firm surface



In field conditions, limit stacks to 2-5 PipePillos



When supporting bends, additional PipePillos may be necessary (higher stress)



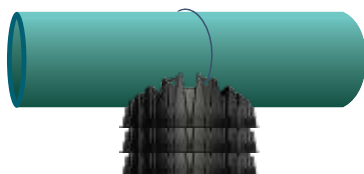
To safely support fabricated assemblies, contact PipeSak to determine safe limits.

Cover PipePillos from UV exposure when not in use.

## Spacing between PipePillos

Spacing design (A) as supplied by PipeSak are to be considered **maximum** spacing.

Please contact PipeSak for sufficient spacing requirements.



### To achieve additional stability:

1. Use larger PipePillos for increased load bearing where possible
2. Connect or tie each PipePillo in a stack together
3. Tie top PipePillo in a stack to the pipe being supported



PipeSak® Pipeline Protection

## Technical Notes

# PIPEPILLO® SPACING GUIDELINES

For 20" to 48" (508mm to 1219.2mm) O.D. Pipelines

### IN-TRENCH PIPEPILLO®

Spacing calculations use the weight of the pipe and hydrostatic test water.  
Good engineering judgment based on site-specific conditions must be exercised.

W.T. \ O.D.	20" (508mm)	24" (609.6mm)	30" (762mm)	36" (914.4mm)	42" (1066.8mm)	48" (1219.2mm)
<b>SINGLE PIPEPILLO®</b>						
<b>0.125" (3.18mm)</b>	33.1' (10.0m)	29.4' (8.9m)	30.4' (9.2m)	26.9' (8.2m)	20.9' (6.3m)	20.2' (6.1m)
<b>0.250" (6.35mm)</b>	28.9' (8.8m)	26.2' (7.9m)	27.6' (8.4m)	24.7' (7.5m)	19.4' (5.9m)	18.9' (5.7m)
<b>0.375" (9.53mm)</b>	25.7' (7.8m)	23.6' (7.1m)	25.3' (7.7m)	22.9' (6.9m)	18.2' (5.5m)	17.8' (5.4m)
<b>0.500" (12.7mm)</b>	23.2' (7.0m)	21.6' (6.5m)	23.4' (7.1m)	21.4' (6.5m)	17.1' (5.2m)	16.9' (5.1m)
<b>0.625" (15.88mm)</b>	21.2' (6.4m)	19.8' (6.0m)	21.7' (6.6m)	20.0' (6.1m)	16.1' (4.9m)	16.0' (4.8m)
<b>0.750" (19.05mm)</b>	19.5' (5.9m)	18.4' (5.6m)	20.3' (6.1m)	18.9' (5.7m)	15.3' (4.6m)	15.2' (4.6m)
<b>0.875" (22.23mm)</b>	18.0' (5.4m)	17.1' (5.2m)	19.1' (5.8m)	17.8' (5.4m)	14.5' (4.4m)	14.5' (4.4m)
<b>1.000" (25.4mm)</b>	16.8' (5.1m)	16.0' (4.8m)	18.0' (5.4m)	16.9' (5.1m)	13.8' (4.2m)	13.9' (4.2m)
<b>1.250" (31.75mm)</b>	14.9' (4.5m)	14.3' (4.3m)	16.2' (4.9m)	15.3' (4.6m)	12.6' (3.8m)	12.7' (3.8m)
<b>1.500" (38.10mm)</b>	13.3' (4.0m)	12.9' (3.9m)	14.7' (4.4m)	14.0' (4.2m)	11.6' (3.5m)	11.8' (3.6m)

O.D. = Outer Diameter W.T. = Wall Thickness

Call PipeSak® for additional wall thicknesses.

### OUT-OF-TRENCH PIPEPILLO®

Spacing calculations use the weight of the pipe by itself (i.e. no hydrostatic test water).  
Good engineering judgment based on site-specific conditions must be exercised.

W.T. \ O.D.	20" (508mm)	24" (609.6mm)	30" (762mm)	36" (914.4mm)	42" (1066.8mm)	48" (1219.2mm)
<b>SINGLE PIPEPILLO®</b>						
<b>0.125" (3.18mm)</b>	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)
<b>0.250" (6.35mm)</b>	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)
<b>0.375" (9.53mm)</b>	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)
<b>0.500" (12.70mm)</b>	31.7' (9.6m)	32.9' (10.0m)	40.0' (12.1m)	40.0' (12.1m)	38.3' (11.6m)	40.0' (12.1m)
<b>0.625" (15.88mm)</b>	25.5' (7.7m)	26.4' (8.0m)	33.1' (10.0m)	34.4' (10.4m)	30.8' (9.3m)	33.6' (10.2m)
<b>0.750" (19.05mm)</b>	21.4' (6.5m)	22.1' (6.7m)	27.7' (8.4m)	28.8' (8.7m)	25.7' (7.8m)	28.1' (8.5m)
<b>0.875" (22.23mm)</b>	18.4' (5.6m)	19.1' (5.8m)	23.9' (7.2m)	24.7' (7.5m)	22.1' (6.7m)	24.1' (7.3m)
<b>1.000" (25.40mm)</b>	16.2' (4.9m)	16.8' (5.1m)	21.0' (6.4m)	21.7' (6.6m)	19.4' (5.9m)	21.1' (6.4m)
<b>1.250" (31.75mm)</b>	13.1' (3.9m)	13.5' (4.1m)	16.9' (5.1m)	17.5' (5.3m)	15.6' (4.7m)	17.0' (5.1m)
<b>1.500" (38.10mm)</b>	11.1' (3.3m)	11.4' (3.4m)	14.2' (4.3m)	14.7' (4.4m)	13.1' (3.9m)	14.2' (4.3m)
<b>STACKED PIPEPILLO®</b>						
<b>0.125" (3.18mm)</b>	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)
<b>0.250" (6.35mm)</b>	37.9' (11.5m)	39.4' (12.0m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)	40.0' (12.1m)
<b>0.375" (9.53mm)</b>	25.4' (7.7m)	26.4' (8.0m)	29.5' (8.9m)	30.6' (9.3m)	33.0' (10.0m)	36.0' (10.9m)
<b>0.500" (12.70mm)</b>	19.2' (5.8m)	19.9' (6.0m)	22.2' (6.7m)	23.1' (7.0m)	24.8' (7.5m)	27.1' (8.2m)
<b>0.625" (15.88mm)</b>	15.4' (4.6m)	16.0' (4.8m)	17.8' (5.4m)	18.5' (5.6m)	19.9' (6.0m)	21.7' (6.6m)
<b>0.750" (19.05mm)</b>	12.9' (3.9m)	13.4' (4.0m)	14.9' (4.5m)	15.5' (4.7m)	16.6' (5.0m)	18.1' (5.5m)
<b>0.875" (22.23mm)</b>	11.2' (3.4m)	11.5' (3.5m)	12.8' (3.9m)	13.3' (4.0m)	14.3' (4.3m)	15.6' (4.7m)
<b>1.000" (25.40mm)</b>	9.8' (2.9m)	10.1' (3.0m)	11.3' (3.4m)	11.7' (3.5m)	12.5' (3.8m)	13.7' (4.1m)
<b>1.250" (31.75mm)</b>	7.9' (2.4m)	8.2' (2.5m)	9.1' (2.7m)	9.4' (2.8m)	10.1' (3.0m)	11.0' (3.3m)
<b>1.500" (38.10mm)</b>	6.7' (2.0m)	6.9' (2.1m)	7.6' (2.3m)	7.9' (2.4m)	8.4' (2.5m)	9.2' (2.8m)

O.D. = Outer Diameter W.T. = Wall Thickness

Call PipeSak® for additional wall thicknesses.

This information is provided for your reference only, and PipeSak® Inc. doesn't offer any guarantees or warranties, express or implied. Our pipeline supports are not designed to meet any specific requirements or specifications unless we've agreed to it in writing. By using this information, you agree to hold us harmless from any claims arising from its use beyond its intended purpose.