Additional tap sizes, materials, and coatings are available on Grainger.com.

Interrupted-Thread Pipe and Conduit Thread Taps

WIDIA GTD · GT GREENFIELD THREADING · CLEVELAND · CLE-LINE.

NPT, 3 Flute
33ZL63

- Right-hand thread direction

Taps have an interrupted thread pattern in which every other tooth has been removed from the cutting edge. They offer more space for chip evacuation than taps with a standard thread pattern, which allows large chips to be cleared from the taps during threading tasks.

Thread Size	Thread Length	Overall Length	Tap Chamfer	Brand	Item No.
NPT, 3 Flutes					
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZL63**
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZL64**
1/4"-18	1 3/64 in	2 7/16 in	Modified Bottom, Semi-Bottoming	OSG	**33ZL65**
NPT, 4 Flutes					
3/4"-14	1 3/8 in	3 1/8 in	Plug	Widia GTD	**4CPL9**
NPT, 5 Flutes					
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCE2**
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCD8**
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZM31**
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**4CYH8**
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCD7**
1/8"-27	3/4 in	2 1/8 in	Plug	Widia GTD	**4CPK9**
1/8"-27	3/4 in	2 1/8 in	Plug	Widia GTD	**4CPK8**
1/8"-27	3/4 in	2 1/8 in	Plug	Widia GTD	**53MJ24**
1/8"-27	3/4 in	2 1/8 in	Semi-Bottoming	Greenfield Threading	**15K047**
1/8"-27	3/4 in	2 1/8 in	Semi-Bottoming	Cleveland	**435W79**
1/4"-18	1 1/16 in	2 27/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCD9**
1/4"-18	1 1/16 in	2 27/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCD4**
1/4"-18	1 1/16 in	2 27/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCE1**
1/4"-18	1 1/16 in	2 7/16 in	Plug	Widia GTD	**4CPL3**
1/4"-18	1 1/16 in	2 7/16 in	Semi-Bottoming	Greenfield Threading	**15K048**
1/4"-18	1 1/16 in	2 7/16 in	Semi-Bottoming	Cleveland	**435W80**
1/4"-18	1 1/16 in	2 7/16 in	Semi-Bottoming	Cle-Line	**50AP65**
3/8"-18	1 3/64 in	2 35/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZL66**
3/8"-18	1 1/16 in	2 35/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCC4**
3/8"-18	1 1/16 in	2 35/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCD1**
3/8"-18	1 13/16 in	2 9/16 in	Plug	Widia GTD	**53MJ21**
3/8"-18	1 1/16 in	2 9/16 in	Semi-Bottoming	Greenfield Threading	**15K049**
3/8"-18	1 1/16 in	2 9/16 in	Semi-Bottoming	Cleveland	**435W81**
3/8"-18	1 3/8 in	3 1/8 in	Plug	Widia GTD	**4CPL5**
1/2"-14	1 23/64 in	3 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCC5**
1/2"-14	1 23/64 in	3 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCC7**
1/2"-14	1 23/64 in	3 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCC6**
1/2"-14	1 23/64 in	3 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZL67**
1/2"-14	1 21/32 in	3 1/8 in	Plug	Widia GTD	**4CPL7**
1/2"-14	1 21/32 in	3 1/8 in	Plug	Widia GTD	**53MJ20**
1/2"-14	1 3/8 in	3 1/8 in	Semi-Bottoming	Greenfield Threading	**15K050**
1/2"-14	1 3/8 in	3 1/8 in	Semi-Bottoming	Cleveland	**435W82**
3/4"-14	1 23/64 in	3 1/4 in	Modified Bottom, Semi-Bottoming	OSG	**2WCD2**
3/4"-14	1 23/64 in	3 1/4 in	Modified Bottom, Semi-Bottoming	OSG	**4CYJ1**
3/4"-14	1 23/64 in	3 1/4 in	Modified Bottom, Semi-Bottoming	OSG	**2WCC8**
3/4"-14	1 23/64 in	3 1/4 in	Modified Bottom, Semi-Bottoming	OSG	**33ZL68**
3/4"-14	1 3/8 in	3 1/4 in	Plug	Widia GTD	**53MJ19**
3/4"-14	1 3/8 in	3 1/4 in	Semi-Bottoming	Greenfield Threading	**15K051**
3/4"-14	1 3/8 in	3 1/4 in	Semi-Bottoming	Cleveland	**435W83**
3/4"-14	1 3/8 in	3 5/8 in	Semi-Bottoming	Cle-Line	**50AP69**
1"-11 1/2	1 3/4 in	3 3/4 in	Modified Bottom, Semi-Bottoming	OSG	**33ZM32**
1"-11 1/2	1 3/4 in	3 3/4 in	Modified Bottom, Semi-Bottoming	OSG	**2WCD3**
1"-11 1/2	1 3/4 in	3 3/4 in	Modified Bottom, Semi-Bottoming	OSG	**2WCD5**
1" -11 1/2	1 3/4 in	3 3/4 in	Plug	Widia GTD	**4CPN2**
1"-11 1/2	1 3/4 in	3 3/4 in	Semi-Bottoming	Greenfield Threading	**15K052**
1"-11 1/2	1 3/4 in	3 3/4 in	Semi-Bottoming	Cleveland	**435W84**
1 1/4"-11 1/2	1 3/4 in	4 in	Modified Bottom, Semi-Bottoming	OSG	**4CYJ2**
1 1/4"-11 1/2	1 3/4 in	4 in	Plug	Widia GTD	**4CPN4**
1 1/4"-11 1/2	1 3/4 in	4 in	Semi-Bottoming	Cle-Line	**50AP63**
NPT, 7 Flutes					
1 1/2"-11 1/2	1 3/4 in	4 1/4 in	Modified Bottom, Semi-Bottoming	OSG	**4CYJ4**
1 1/2"-11 1/2	3 in	4 1/4 in	Plug	Widia GTD	**4CPN5**
2"-11 1/2	1 3/4 in	4 1/2 in	Modified Bottom, Semi-Bottoming	OSG	**4CYJ6**
NPTF, 3 Flutes					
1/4"-18	1 3/64 in	2 7/16 in	Modified Bottom, Semi-Bottoming	OSG	**33ZL72**
NPTF, 4 Flutes					
3/8"-18	1 3/8 in	3 1/8 in	Plug	Widia GTD	**4CPL6**
1/2"-14	1 3/8 in	3 1/8 in	Plug	Widia GTD	**4CPL8**
NPTF, 5 Flutes					
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZM36**
1/8"-27	3/4 in	2 7/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZM37**
1/8"-27	3/4 in	2 1/8 in	Plug	Widia GTD	**4CPL2**
1/8"-27	3/4 in	2 1/8 in	Plug	Widia GTD	**4CPL1**
1/8"-27	3/4 in	2 1/8 in	Semi-Bottoming	Greenfield Threading	**407D28**
1/8"-27	3/4 in	2 1/8 in	Semi-Bottoming	Greenfield Threading	**15K054**
1/4"-18	1 1/16 in	2 7/16 in	Plug	Widia GTD	**4CPL4**
1/4"-18	1 1/16 in	2 7/16 in	Semi-Bottoming	Greenfield Threading	**407D29**
1/4"-18	1 1/16 in	2 7/16 in	Semi-Bottoming	Greenfield Threading	**15K055**
3/8"-18	1 3/64 in	2 35/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZL73**
3/8"-18	1 1/16 in	2 35/64 in	Modified Bottom, Semi-Bottoming	OSG	**2WCC9**
3/8"-18	1 1/16 in	2 35/64 in	Modified Bottom, Semi-Bottoming	OSG	**33ZM24**
3/8"-18	1 1/16 in	2 9/16 in	Semi-Bottoming	Greenfield Threading	**407D30**
3/8"-18	1 1/16 in	2 9/16 in	Semi-Bottoming	Greenfield Threading	**15K056**
1/2"-14	1 3/8 in	3 1/8 in	Semi-Bottoming	Greenfield Threading	**407D31**
3/4"-14	1 3/8 in	3 1/4 in	Plug	Widia GTD	**4CPN1**
3/4"-14	1 3/8 in	3 1/4 in	Semi-Bottoming	Cleveland	**435W90**
3/4"-14	1 3/8 in	3 1/4 in	Semi-Bottoming	Greenfield Threading	**407D32**
1" -11 1/2	1 3/4 in	3 3/4 in	Plug	Widia GTD	**4CPN3**

Short-Projection Pipe and Conduit Thread Taps

NPT, 5 Flute
33ZM72

- Right-hand flute direction
- High-speed steel material

Taps have fewer tapered threads at their tip than standard pipe and conduit taps. They don't have to enter deep into the workpiece to produce full threads and are suitable for tapping shallow holes.

Thread Size	Thread Length	Overall Length	Item No.
NPT, 4 Flutes			
Bright Finish			
1/8"-27	3/4 in	2 7/64 in	**33ZM48**
1/4"-18	1 3/64 in	2 27/64 in	**33ZM54**
3/8"-18	1 3/64 in	2 35/64 in	**33PD20**
1/2"-14	1 23/64 in	3 7/64 in	**33PD21**
Steam Oxide Finish			
1/8"-27	3/4 in	2 7/64 in	**33ZM49**
1/4"-18	1 3/64 in	2 27/64 in	**33ZM58**
1/4"-18	1 3/64 in	2 27/64 in	**33ZM55**
3/8"-18	1 3/64 in	2 35/64 in	**33ZM60**
1/2"-14	1 23/64 in	3 7/64 in	**33ZM65**
TiCN Finish			
1/8"-27	3/4 in	2 7/64 in	**33ZM50**
1/4"-18	1 3/64 in	2 27/64 in	**33ZM56**
3/8"-18	1 3/64 in	2 35/64 in	**33ZM61**
1/2"-14	1 23/64 in	3 7/64 in	**33ZM66**
NPT, 5 Flutes			
Bright Finish			
3/4"-14	1 23/64 in	3 1/4 in	**33ZM70**
1"-11 1/2	1 3/4 in	3 3/4 in	**33ZM76**
Steam Oxide Finish			
3/4"-14	1 23/64 in	3 1/4 in	**33ZM71**
1"-11 1/2	1 3/4 in	3 3/4 in	**33ZM77**
TiCN Finish			
3/4"-14	1 23/64 in	3 1/4 in	**33ZM72**
1"-11 1/2	1 3/4 in	3 3/4 in	**33ZM78**

Thread Size	Thread Length	Overall Length	Item No.
NPTF, 4 Flutes			
Bright Finish			
1/8"-27	3/4 in	2 7/64 in	**33ZM51**
1/8"-27	3/4 in	2 7/64 in	**33ZM82**
1/8"-27	3/4 in	2 7/64 in	**33ZM87**
1/4"-18	1 1/16 in	2 27/64 in	**33ZM83**
1/4"-18	1 1/16 in	2 27/64 in	**33ZM88**
1/4"-18	1 3/64 in	2 27/64 in	**33ZM57**
3/8"-18	1 1/16 in	2 35/64 in	**33ZM84**
3/8"-18	1 3/64 in	2 35/64 in	**33ZM62**
3/8"-18	1 1/16 in	2 35/64 in	**33ZM89**
1/2"-14	1 23/64 in	3 7/64 in	**33ZM90**
1/2"-14	1 23/64 in	3 7/64 in	**33ZM67**
1/2"-14	1 23/64 in	3 7/64 in	**33ZM85**
Steam Oxide Finish			
1/8"-27	3/4 in	2 7/64 in	**33ZM52**
3/8"-18	1 3/64 in	2 35/64 in	**33ZM63**
1/2"-14	1 23/64 in	3 7/64 in	**33ZM68**
TiCN Finish			
1/8"-27	3/4 in	2 7/64 in	**33ZM53**
1/4"-18	1 3/64 in	2 27/64 in	**33ZM59**
3/8"-18	1 3/64 in	2 35/64 in	**33ZM64**
1/2"-14	1 23/64 in	3 7/64 in	**33ZM69**
NPTF, 5 Flutes			
Bright Finish			
3/4"-14	1 23/64 in	3 1/4 in	**33ZM73**
3/4"-14	1 23/64 in	3 1/4 in	**33ZM86**
1"-11 1/2	1 3/4 in	3 3/4 in	**33ZM79**
Steam Oxide Finish			
3/4"-14	1 23/64 in	3 1/4 in	**33ZM74**
1"-11 1/2	1 3/4 in	3 3/4 in	**33ZM80**
TiCN Finish			
3/4"-14	1 23/64 in	3 1/4 in	**33ZM75**
1"-11 1/2	1 3/4 in	3 3/4 in	**33ZM81**