

SPIRALFLUSH®



HORIZONTAL RING BIT SYSTEMS

HORIZONTAL RING BIT SYSTEMS are made for horizontal drilling of utility lines. High casing friction calls for heavy duty ring bit system. Drilling under roads and railways requires advanced air control. Due to strong design the ring bit system can be used several times.



Main **applications** for horizontal systems are:

1. Horizontal drilling of utility lines
 - Road and railway underpasses
 - Replacing of concrete culverts
2. HDD surface casings
3. All break through drilling

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HORIZONTAL SYSTEM DESIGN FEATURES

Extra strong performance steel casing shoe

Extra large impact shoulders for multi use

Slot for guide sleeve to prevent air escape and keep drilling direction

Ring bit protects the pilot gauge buttons



System is available from 219 to 1524 mm casings and for all major shank designs.

System product code	Casing OD		Max wall		Ring bit ID		Ring bit OD		Pilot bit OD	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
HZ219-12.7-150	219,1	8 5/8"	12,7	1/2"	150	5 29/32"	237	9 21/64"	191	7 33/64"
HZ273-12.7-190	273	10 3/4"	12,7	1/2"	190	7 31/64"	285	11 7/32"	245	9 41/64"
HZ323-12.7-240	323,9	12 3/4"	12,7	1/2"	240	9 29/64"	337	13 17/64"	294	11 37/64"
HZ406-12.7-320	406,4	16"	12,7	1/2"	300	11 13/16"	426	16 49/64"	376	14 51/64"
HZ508-12.7-417	508	20"	12,7	1/2"	400	15 3/4"	528	20 25/32"	477	18 25/32"
HZ610-16-500	609,6	24"	16	5/8"	495	19 31/64"	630	24 51/64"	572	22 33/64"
HZ711-16-600	711,2	28"	16	5/8"	600	23 5/8"	731	28 25/32"	675	26 37/64"
HZ813-12.7-675	812,8	32"	16	5/8"	675	26 37/64"	833	32 51/64"	774	30 15/32"
HZ914-16-775	914,4	36"	16	5/8"	775	30 33/64"	934	36 49/64"	874	34 13/32"
HZ1016-16-913	1016	40"	16	5/8"	913	35 15/16"	1036	40 25/32"	974	38 11/32"
HZ1219-16-1050	1219,2	48"	16	5/8"	1050	41 11/32"	1239	48 25/32"	1176	46 19/64"
HZ1321-16-1150	1320,8	52"	16	5/8"	1150	45 9/32"	1341	52 51/64"	1273	50 1/8"
HZ1422-20-1250	1422,4	56"	20	25/32"	1250	49 7/32"	1442	56 49/64"	1366	53 25/32"
HZ1524-20-1340	1524	60"	20	25/32"	1340	52 3/4"	1544	60 25/32"	1466	57 23/32"

