

SPIRALFLUSH®



DRILL THROUGH SYSTEMS

DRILL TROUGH RING BIT SYSTEMS combines conventional rock bit and casing advance system. Overburden can be drilled with ring bit set. By unlocking pilot bit from the ring bit rock socket can be drilled without changing the tools.



Main **applications** for drill trough ring bit systems are:

1. Anchoring applications
2. End bearing piles with rock socket

DRILL THROUGH SYSTEM DESIGN FEATURES



System is available from 114 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
DTI114-10-92-80	114.3	4.5"	10	0.394"	80	2.992"	130	5.118"	92	3.504"
DTI127-10-105-87	127	5"	10	0.394"	87	3.425"	145	5.709"	105	4.134"
DTI140-10-114-100	139.7	5.5"	10	0.394"	100	3.937"	160	6.299"	114	4.488"
DTI152-10-126-112	152.4	6"	10	0.394"	112	4.409"	172	6.772"	126	4.961"
DTI159-10-133-118	158.8	6.25"	10	0.394"	118	4.646"	179	7.047"	133	5.236
DTI168-12.7-140-125	168.3	6.625"	12.7	0.5"	125	4.921"	189	7.441"	140	5.512"
DTI178-12.7-150-135	177.8	7"	12.7	0.5"	135	5.315"	199	7.835"	150	5.906"
DTI194-12.7-163-147	193.7	7.625"	12.7	0.5"	147	5.787"	221	8.001"	163	6.417"
DTI219-12.7-171-188	219.1	8.625"	12.7	0.5"	171	6.732"	243	9.567"	188	7.402"
DTI244-12.7-214-194	244.5	9.625"	12.7	0.5"	194	7.638"	269	10.591"	214	8.425"
DTI254-12.7-224-204	254	10"	12.7	0.5"	204	8.032"	279	10.984"	224	9.606"
DTI273-12.7-243-222	273	10.742"	12.7	0.5"	222	8.740"	299	11.772"	243	9.567"
DTI301-12.7-272-250	301.6	11.875"	12.7	0.5"	250	9.843"	330	12.992"	272	10.709"
DTI323-12.7-294-272	323.9	12.742"	12.7	0.5"	272	10.709"	352	13.858"	294	11.575"
DTI339-14.2-308-286	339.7	13.375"	14.2	0.559"	286	11.260"	368	14.488"	308	12.126"
DTI355-14.2-324-300	355.6	14"	14.2	0.559"	300	11.811"	384	15.118"	324	12.756
DTI406-16-370-346	406.4	16"	16	0.630"	346	13.622"	438	17.244"	370	14.567"
DTI457-16-420-393	457.2	18"	16	0.630"	393	15.472"	489	19.252"	420	16.535"
DTI508-16-470-442	508	20"	16	0.630"	442	17.402"	540	21.260"	470	18.504"
DTI559-16-521-490	558.8	22"	16	0.630"	490	19.291"	593	23.347"	521	20.512"
DTI610-16-558-540	609.6	24"	16	0.630"	540	21.260"	644	25.354"	558	21.969"
DTI660-20-605-580	660.4	26"	20	0.787"	580	22.835"	700	27.559"	605	23.819"
DTI711-20-656-625	711.2	28"	20	0.787"	625	24.606"	753	29.646"	656	25.827"
DTI762-20-707-672	762	30"	20	0.787"	672	26.457"	804	31.654"	707	27.835"
DTI813-20-758-720	812.8	32"	20	0.787"	720	28.347"	855	33.661"	758	29.843"
DTI863-20-808-770	863.6	34"	20	0.787"	770	30.315"	905	35.630"	808	31.811"
DTI914-20-859-818	914.4	36"	20	0.787"	818	32.205"	958	37.717"	859	33.819"
DTI1016-20-960-916*	1016	40"	20	0.787"	916	36.063"	1060	41.732"	960	37.795"
DTI1066-20-1010-952*	1066.8	42"	20	0.787"	952	37.480"	1112	43.780"	1010	39.764"
DTI1220-22-1161-1101 *	1219.2	48"	22	0.866"	1101	43.346"	1268	49.921"	1161	45.709"
DTI1321-25-1260-1205*	1320.8	52"	25	1"	1205	47.441"	1378	54.252"	1260	49.606"
DTI1422-25-1360-1305*	1422.4	56"	25	1"	1305	51.378"	1478	58.189"	1360	53.543"
DTI1524-25-1405-1466 *	1524	60"	25	1"	1405	55.315"	1578	62.126"	1466	57.717"

*Large diameter system can be engineered based on the specific customer requirements