

DTH SF (STEEL FIST)

Steel Fist system for down the hole hammer

Robit® Steel Fist product family is designed for specific piling operations, sizes from 273 mm up to 1220 mm. New economic way for traditional piling work, but also capable for installing water-proof Pipe-Pile-Walls. No ring bit is needed when piling with DTH SF. Usage in homogenous soil conditions with small boulders. Robit® Steel Fist Casing Systems are available for all the common Down The Hole hammers and can be used for all applications where the casing is left in the ground, but have been especially designed for:

- Piling
- Piling (Pipe-Pile-Walls)

DTH SF

Drilling parameters example

Product	DTH SF 323,9/12,7
Rock / Ground conditions	Homogenous soil with small boulders
Application	Piling and Pipe-Pile-Wall
DTH hammer size	8" - 10"
Rotation speed	15 - 25 RPM
Torque	7000 - 10000 Nm
	24 - 33 m ³ /min Max:17 kg/cm ²
Compressor output	848 - 1165 CFM 250 psi
Compressor pressure	10 - 14 bar

NOTE Parameters may vary depending on ground / rock conditions, application and machinery.

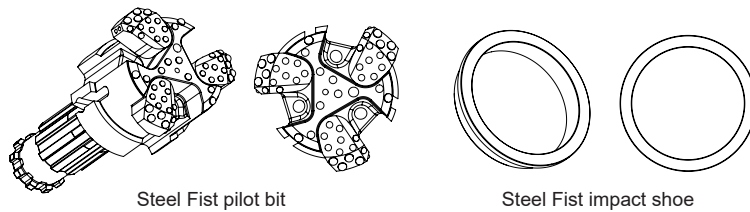


DTH SF

Order code

Order code	Pipe				Pilot bit			Wings	Hammer	Weight		
	[mm]	[in]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[pcs]	[kg]	[kg]	
DTH SF 273/12,7	273,0	10 ¾	12,7	0.500	287	11.299	245	9.646	3	8"	86.1	4.2
DTH SF 323,9/12,7	323,9	12 ¾	12,7	0.500	338	13.307	294,5	11.594	3	8"	117.5	5.1
DTH SF XL2 323,9/12,7	323,9	12 ¾	12,7	0.500	374	14.724	294,5	11.594	3	8"	127.9	5.1
DTH SF 406,4/12,7	406,4	16	12,7	0.500	420	16.535	376	14.803	3	10-12"	215.9	6.4
DTH SF XL2 406,4/12,7	406,4	16	12,7	0.500	460	18.110	376	14.803	3	10-12"	227.9	6.4
DTH SF 508/16	508	20	16	0.630	522	20.551	472	18.583	3	12"	353.0	8.6
DTH SF XL2 508/16	508	20	16	0.630	562	22.126	472	18.583	3	12"	365.0	8.6
DTH SF 609,6/16	609,6	24	16	0.630	624	24.567	571	22.480	3	18"	806.4	11.4
DTH SF XL2 609,6/16	609,6	24	16	0.630	664	26.142	571	22.480	3	18"	820.1	11.4
DTH SF 711/16	711	28	16	0.630	725	28.543	671	26.417	3	18"	1090.0	15.8
DTH SF XL2 711/16	711	28	16	0.630	765	30.118	671	26.417	3	18"	1095.0	15.8
DTH SF 813/23	813	32	23	0.906	826	32.520	758	29.843	3	18"	1455.8	19.6
DTH SF XL2 813/23	813	32	23	0.906	867	34.134	758	29.843	3	18"	1471.5	19.6
DTH SF 914/20	914	36	20	0.787	927	36.496	864	34.016	4	24-30"	1750.0	25.4
DTH SF XL2 914/20	914	36	20	0.787	968	38.110	864	34.016	4	24-30"	1770.0	25.4
DTH SF 1016/16	1016	40	16	0.630	1030	40.551	973	38.307	5	24-33"	2049.4	26.0
DTH SF XL2 1016/16	1016	40	16	0.630	1070	42.126	973	38.307	5	24-33"	2080.0	26.0
DTH SF 1220/20	1220	48	20	0.787	1234	48.583	1135	44.685	6	30-33"	2970.0	35.0
DTH SF XL2 1220/20	1220	48	20	0.787	1274	50.157	1135	44.685	6	30-33"	3000.0	35.0

When ordering, information about casing diameters (OD and ID) is necessary.



Steel Fist pilot bit

Steel Fist impact shoe