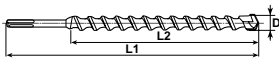


SDS-MAX W2 TURBOHEAD XPRO TURBOKEIL X-SHAPE | 270



DRIVE



EXECUTION



- Made of tempered steel, shot-peened and hardened
- 4 cutter TUBOHEAD Xpro with full carbide head up to 20 mm (15 mm only available with 2 cutting edges)
- 4 cutter with 1 main and 2 strengthened side cutters
- Specially designed head geometry for better center drilling, faster drilling progress, precise drilling hole

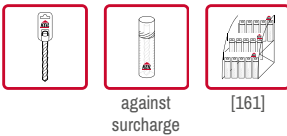
FOR USE IN



APPLICATION

- Fits directly into SDS-max and HILTI TE-Y locking

PACKAGING



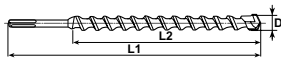
against surcharge

Comments

- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.
- For a working length of 800 mm and more, pre-drilling must be carried out to a depth of at least 400 mm with a short drill bit of the same diameter.
- Other dimensions on request

D	D	L2	L1	2	4	EAN	12345
Ø mm	Ø "	mm	mm			4016707...	
8,0	5/16	200	340	4	1	914775	270 080 341
10,0	3/8	200	340	4	1	914782	270 100 341
12,0	15/32	200	340	4	1	914799	270 120 341
12,0	15/32	400	540	4	1	914805	270 120 541
12,0	15/32	550	690	4	1	914812	270 120 691
14,0	9/16	200	340	4	1	914829	270 140 341
14,0	9/16	400	540	4	1	914836	270 140 541
15,0	19/32	200	340	2	1	360282	270 150 340
15,0	19/32	400	540	2	1	360459	270 150 540
16,0	5/8	200	340	4	1	914843	270 160 341
16,0	5/8	400	540	4	1	914850	270 160 541
16,0	5/8	800	940	4	1	914867	270 160 941
18,0	11/16	200	340	4	1	914874	270 180 341
18,0	11/16	400	540	4	1	914881	270 180 541
18,0	11/16	800	940	4	1	914898	270 180 941
20,0	3/4	200	320	4	1	914904	270 200 321
20,0	3/4	400	520	4	1	914911	270 200 521
20,0	3/4	800	920	4	1	914928	270 200 921
20,0	3/4	1.200	1.320	4	1	914935	270 201 321
22,0	7/8	200	320	4	1	360114	270 220 320
22,0	7/8	400	520	4	1	360121	270 220 520
22,0	7/8	800	920	4	1	360398	270 220 920
22,0	7/8	1.200	1.320	4	1	360756	270 221 320
24,0	15/16	200	320	4	1	360138	270 240 320
24,0	15/16	400	520	4	1	360367	270 240 520
25,0	1	200	320	4	1	360145	270 250 320
25,0	1	400	520	4	1	360152	270 250 520
25,0	1	800	920	4	1	360169	270 250 920
25,0	1	1.200	1.320	4	1	360428	270 251 320
28,0	1 1/8	250	370	4	1	360176	270 280 370
28,0	1 1/8	450	570	4	1	360183	270 280 570
28,0	1 1/8	550	670	4	1	360848	270 280 670
30,0	1 3/16	250	370	4	1	360190	270 300 370
30,0	1 3/16	450	570	4	1	360206	270 300 570
32,0	1 1/4	250	370	4	1	360213	270 320 370
32,0	1 1/4	450	570	4	1	360220	270 320 570
32,0	1 1/4	800	920	4	1	360237	270 320 920
32,0	1 1/4	1.200	1.320	4	1	360435	270 321 320
35,0	1 3/8	250	370	4	1	360244	270 350 370
35,0	1 3/8	450	570	4	1	360251	270 350 570
35,0	1 3/8	550	670	4	1	360855	270 350 670
38,0	1 1/2	250	370	4	1	360268	270 380 370
38,0	1 1/2	450	570	4	1	360275	270 380 570
40,0	1 9/16	250	370	4	1	360862	270 400 370
40,0	1 9/16	450	570	4	1	360299	270 400 570
40,0	1 9/16	800	920	4	1	360404	270 400 920

SDS-MAX W2 TURBOHEAD XPRO TURBOKEIL X-SHAPE | 270



DRIVE



D ø mm	D ø "	L2 mm	L1 mm	2 4		EAN 4016707...	
40,0	1 9/16	1200	1.320	4	1	360442	270 401 320
45,0	1 3/4	450	570	4	1	360763	270 450 570
45,0	1 3/4	800	920	4	1	360770	270 450 920
50,0	2	450	570	4	1	360794	270 500 570

EXECUTION



- Made of tempered steel, shot-peened and hardened
- TURBOKEIL carbide plate with centring tip
- 2-cutting edge system with W2 flute up to 15mm
- 4-cutting edge system with W2 flute from 16mm
- Specially designed head geometry for better center drilling, faster drilling progress, precise drilling hole

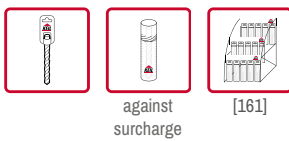
FOR USE IN



APPLICATION

- Fits directly into SDS-max and HILTI TE-Y locking

PACKAGING



Comments

- For a working length of 400 mm and more, pre-drilling must be carried out to a depth of at least 150 mm with a drill bit of the same diameter.
- For a working length of 800 mm and more, pre-drilling must be carried out to a depth of at least 400 mm with a short drill bit of the same diameter.
- Other dimensions on request

SDS-MAX W2 TURBOKEIL X-FORM

- The symmetrical X-shape tip construction of the 4-cutting edges with one main cutter and two auxiliary cutters provides for accurate and correct guidance of the drill bit.
 - The geometry with 4-cutting edges protects the bit against damage when impacting on armouring iron.
 - The design of the head construction significantly decreases friction in the hole so that the tool life is considerably extended.
 - Short flute entries and large volume borehole cut channels in the double spiral provide for fast spoil removal.
- A few advantages of the 4-cutting edges**
- Maximum transfer of energy
 - Guided centrally
 - Optimum vibration behaviour
 - Reduced friction
 - Stability against torsional loads
 - Precise hole
 - Optimum spoil removal due to large grooves and double helix
 - Protection of operator and machine
 - Reduced noise emissions
 - Noticeably longer life



VIBRATION PROTECTION

Low vibration load of the „hand-arm-system“ by means of highly reduced vibration (see page 11). According to the European guideline EU-Vibrationsrichtlinie 2002/44/EG for vibration protection.



SDS-MAX W2

TURBOHEAD XPRO AND TURBOKEIL X-FORM



OPTIMIZED DESIGN

FASTER

- Up to 20% faster drilling progress due to perfect head shape and large entry grooves for better admission of drill dust

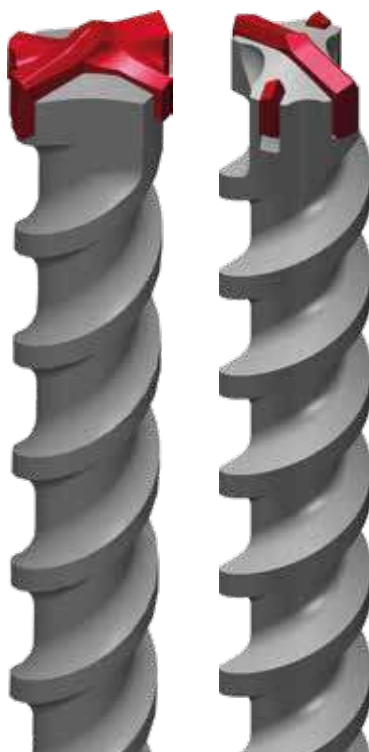


STRONGER

- Equipped with full carbide head for strongest performance already from 8 mm
- From 22 mm with strengthened side cutters for more stability and longer tool life
- Symmetric X-head-shape with TURBOKEIL centring tip and more efficiency when hitting reinforced steel

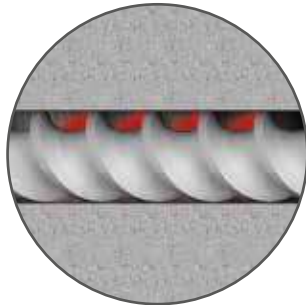
PRODUCT INFORMATION

- The symmetric form of the full carbide head TURBOHEAD Xpro (up to 20 mm diameter) and also the TURBOKEIL X-Form (from 22 mm diameter) provide accurate and correct guidance of the drill bit.
- The geometry with 4-cutting edges protects the bit against damage when impacting on armouring iron.
- The design of the head construction significantly decreases friction in the hole so that the tool life is considerably extended.
- Short flute entries and large volume borehole cut channels in the double spiral provide for fast spoil removal.



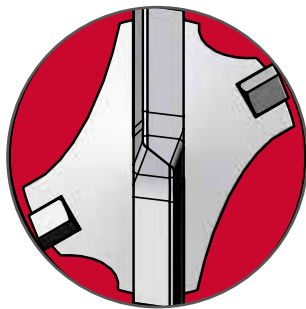
SDS-MAX W2

TURBOHEAD XPRO UND TURBOKEIL X-FORM



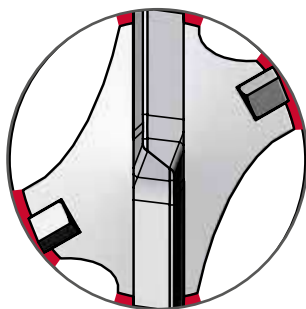
APPROVED DOUBLE FLUTE W2

- The fine tuned and flat angle of twist with its optimum combination of axial run-out and radial run-out takes care for a self-maintained flow of drill dust.
- These drill bits have the approved asymmetric W-flute in double execution.
- The drill dust is taken from the paddle-shaped notch and is optimally transported.
- The chip transporting notches leave a clean drill hole.



LARGE ENTRY GROOVES

- Approx. 40 % more space for drilling dust due to ellipsis shape of the milled grooves. This becomes a noticeable advantage especially with deep drill holes and soft concrete or stone.
- The X-shape provides a better admission of the drill dust.



SYMMETRIC X-HEAD-SHAPE

- Reduced perimeter surface.
- Considerably less friction.
- Fast transport of drill dust and optimum pilot drilling.
- Fast drilling process and less wear.
- Develops low temperature with less power input.



LOW VIBRATION IN DRILLING

- Optimised vibrational characteristics.
- Maximum drill- and transportation power.
- Resistant against extreme torsion force.
- Reduced noise level while drilling.
- Less strain for user and machine.