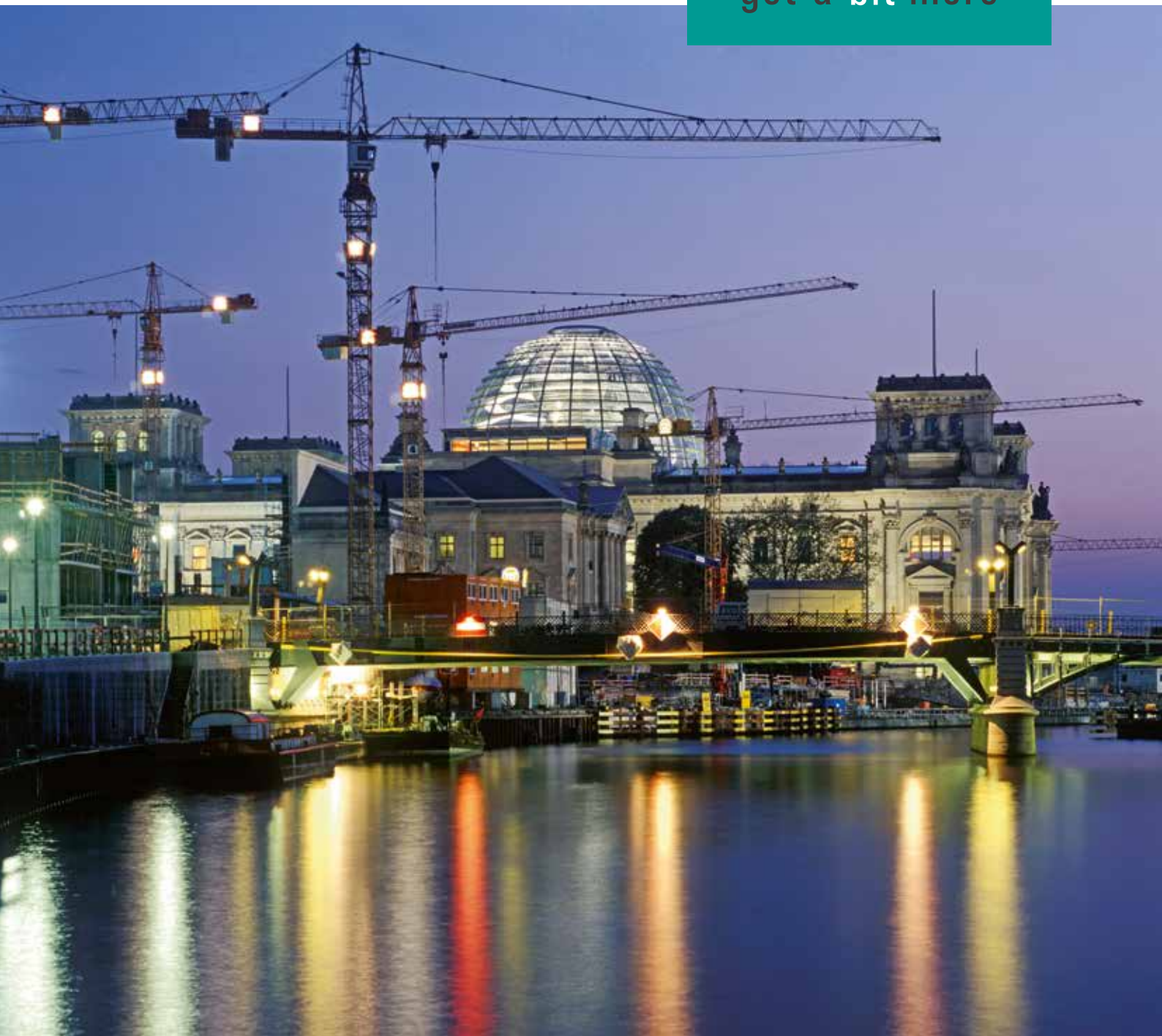


heller
get a bit more



PRODUCT CATALOGUE

Drill bits for professionals

www.hellertools.com



NO MAJOR CONSTRUCTION SITE WITHOUT HELLER DRILL BITS!

Professional solutions for retailers.

Dear customers,

Our new product catalogue offers you a complete overview of drill bits for professionals in a clear-cut format. In addition to the comprehensive Heller product range, we also provide you with details about our leading customer service and many tips and tricks to improve drilling on the building site.

It is our utmost aim to provide our partners in retail and trade with competent drilling solutions in a reliable premium quality. In this process our product development and production expertise is based on more than 150 years experience in producing drill bits that are made in Germany.

We produce using the most cutting-edge, computer-controlled machines and as an SME specialising in drilling, we aim to provide you with a familiar and personal contact.

Benefit from this and boost our mutual success.

Yours sincerely,



Dr. Frank Schubert
Managing Director



Jörg Frommeyer
Managing Director

TABLE OF CONTENTS

Introduction	6
--------------	---

HAMMER DRILL BITS

Technical details Hammer drill bits	8
Bit advisor Hammer drill bits	11
Trijet SDS-plus Hammer drill bits	12
Y-Cutter Ergo SDS-plus Hammer drill bits	14
XForce SDS-plus Hammer drill bits	15
Bionic Pro SDS-plus Hammer drill bits	17
Prefix SDS-plus Hammer drill bits	21
EnDuro SDS-max Hammer drill bit	24
Speed2max SDS-max Hammer drill bits	26
Duster Expert SDS-max/plus Extraction drill bits	28
Duster Pro Anti-dust accessories	29
Super Quick SDS-max Core bits	30
StarBreaker SDS-max Core cutter	31
Overview Ratio System	32
Ratio Rebar Cutter	33
Ratio Quick Core bit	34
Ratio Core cutter	35
Ratio Adapter For hammer drill bits	36
Star Cutter Ratio Auger bit	36
Star Cutter Ratio Extension	36
Ratio Threaded bolt	36
SDS-plus coupling For SDS-max shank	36
Thread grease	36

CHISELS

Overview Chisel range	37
Enduro SDS-plus Chisel	38
SDS-plus Power Chisel	39
SDS-plus Chisel	40
Enduro SDS-max Chisel	41

CONCRETE AND MASONRY DRILL

Technical details Concrete and masonry drill bits	44
Bit advisor Concrete and masonry drill bits/diamond tools	45
ProXtreme Concrete and natural stone drill bits	46
ProConcrete Concrete and masonry drill bits	48
ProStone Masonry drill bits	50
Core bit/drill bit for socket outlets	52
Accessories, sets & cassettes	53

DIAMOND TOOLS

Technical details Diamond tools	54
Diamondwizard Drill bit for socket outlets	55
Diamond Drill bit for socket outlets	56
One for all Diamond cutting discs	58
Extreme Cut Universal	59
Turbo Cut Universal	60
Eco-cut Universal	61
Turbotile Tile and ceramics drill bit	62
Turbotile Tile and ceramics hole saw	63
Cera Expert high speed Stoneware and roofing tile drill bit	64

WOOD DRILL BITS

Technical details Wood drill bits	66
Bit advisor Wood drill bits	67
HSS Turbo Wood drill bit	68
CV Brad point bits	70
Quickbit Flat wood bits	72
Lewis Long Life Auger drill bits	74
Lewis Universal auger drill bits	75
CV Formwork drill bits	77
Forstner High Speed Forstner drill bits	79
Forstner Universal Forstner drill bits	81
Escutcheon drill bits	83
Dowel cutters	84
Wood countersinks	85
Countersink attachments	86
Expansion bits	87

METAL DRILL BITS

Technical details Metal drill bits	88
Bit advisor Metal drill bits	90
HSS-Co DIN 338 RN Cobalt/stainless steel drill bits	91
HSS TIN DIN 338 Steel drill bits	94
HSS-G TURBO DIN 338 RN Metal drill bits	96
HSS-G SUPER DIN 338 RN Steel drill bits	98
HSS-R DIN 338 RN Steel drill bits	101
HSS-G DIN 340 Super steel drill bits extra long	105
HSS Steel drill bits with stepped shaft	107
HSS Blacksmith Steel drill bits	108
HSS DIN 345 Steel drill bits, Morse taper shaft	109
HSS-G SUPER DIN 1869 Steel drill bits extra long	111
HSS-G Super double-end drill bits	112
HSS Taper and deburring countersink 90°	113
HSS Cross-hole countersink 90°	114
HSS Sheet drill bits	115
HSS Step drill bit	116
HSS-Co Stainless steel hole saw	117
HSS Bi-metal hole saw	118
Accessories	120

UNIVERSAL & SPECIAL-PURPOSE

Technical details Universal and special-purpose drill bits	122
Bit advisor Universal and special-purpose drill bits	123
Allround Universal drill bits	124
Allmat Universal drill bits	125
Quickbit Allmat Universal drill bits	127
Allmat Multi-purpose hole saw	128
Quickbit Ceramicmaster Glass and tile drill	130
Cera Expert Stoneware and roofing tile drill bit	131

SCREW DRIVING

Technical details Jigsaw and sabre saw blades	132
Jigsaw blades	134
Sabre saw blades	139
Quality blades/accessories for multitools	144
Universal bits	150
Modules and displays	152
Quality management	153
General terms and conditions of business	155



HELLER DRILL BITS FOR PROFESSIONALS

Heller is a world-renowned specialist for professional drilling. As an expert for the development, production and marketing of drill bits for any application, Heller is the preferred choice of professionals on building sites and throughout the industry. Our priority is to be leaders in technology and quality. We apply the most cutting-edge methods at our research centre

and in production in Dinklage, Germany. Heller's roots go back to 1586 and we are proud of the various world innovations Heller has invented since. Today, we hold numerous patents and operate in more than 80 countries.

THE PRODUCT RANGE

Heller has made absolute top quality a priority. Our customers rely on well-known and reliable products made by Heller. We focus on the demands of professional users and for this reason, we offer a comprehensive range of over 2000 different drill bits for any materials and structures. Our customers have the choice of a highly developed, ample range that covers all important drilling needs.

They include both custom solutions for challenging drilling tasks, for example, in reinforced concrete, granite, or glass, and sophisticated systems for drilling holes up to a depth of three metres. All Heller products have been designed for maximum performance in all conventional drills. Quality, product safety and ergonomics are our general rules for a range of solutions for any drilling application, drill or material.





PRODUCT PROMISES

All Heller products are successful on the market because they resolve users' issues; they are efficient, durable, safe and reliable. Beyond this, all Heller products are also characterised by their and best-in-class price/performance ratio. Heller additionally offers ranges for particularly strict demands, extreme materials and long-term use, even in the most challenging environment. Heller focuses on innovations that are geared towards user demands and have, in many cases, been developed together with users as a result of

new composite materials, critical materials, strong reinforcements in concrete, cutting-edge processes on building sites and changed user demands. For example, our innovative Tri-jet technology which sets new benchmarks in terms of service life and suitability for reinforcements. The new Duster Expert enables fast drilling without dust for particular levels of efficiency and occupational safety – demands that are particularly paramount for today's traders.

QUALITY DOWN TO THE DETAILS - MADE IN GERMANY

Heller uses top-quality materials and manufactures using the latest computer-operated machines with highly motivated employees who often yield more than 30 years of experience, according to the highest quality standards. Certified according to ISO 9001 and ISO 50001 Energy Management, Heller today ranks among the most modern and most efficient drill bit manufacturers in the world. Equipped with a leading quality management team, this means outstanding safety and assurance for retail and trades.



PARTNER TO SPECIALIST RETAILERS

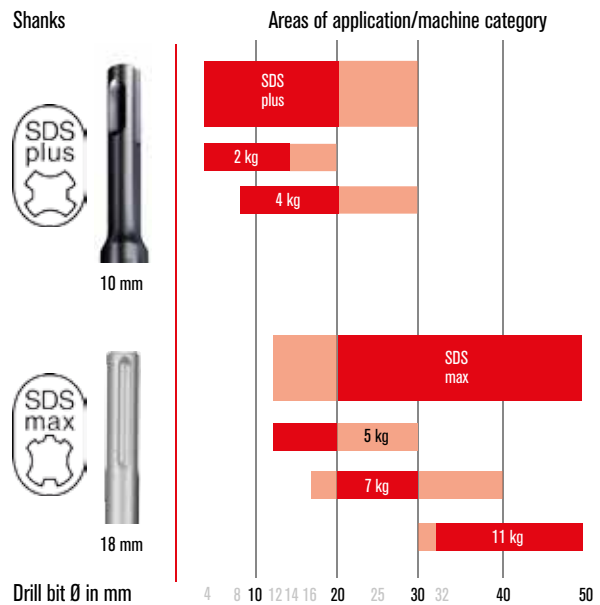
As a reliable partner to retailers, Heller offers much more than just top-grade products: with product presentation systems that boost sales, products that have won the IF Design and Red Dot awards, efficient logistics, training offerings and product advice as well as a service package geared towards demands in retail, Heller is the expert partner for retailers. Our customers repeatedly confirm this in our annual customer surveys. A result that we are proud of.



TECHNICAL DETAILS HAMMER DRILL BITS

SDS SHANK

The SDS quick-release system is the established standard connection for hammer drill bits today. It guarantees best-in-class power transfer from the drilling system while at the same time offering fast, simple and safe clamping of the drill bit in the hammer drill. Depending on the task, there is the most widespread format, SDS-plus with a diameter of approx. 10 mm for hammer drills < 5 kg and SDS-max for hammer drills > 5 kg with a diameter of approx. 18 mm.



QUALITY SEALS

Heller is the specialist for all drilling work on the construction site. For more than 165 years, we have developed and manufactured high-performance drill bits „Made in Germany“. All our hammer drill bits fulfill the highest standards. Inde-

pendently of your individual requirements, our hammer drill bits are always manufactured to the highest quality standards and have various certificates.



Perfect for all power tool brands.



Heller curing technology ensures excellent break safety.



Heller is the first drill bit manufacturer to be awarded with the independently tested hand-arm-vibration certificate according to the EU vibration guideline 2002/44/EC



Heller drill bits are "Made in Germany" under the ISO 9001 quality management certificate ensuring highest quality.



All drill bits by Heller have the independent PGM certificate, assuring safe connection systems.



Engineered and „Made in Germany“

QUALITY FEATURES



Carbide edges

Our innovative, patented Heller carbide metal edges have been optimised for the most challenging applications in concrete and masonry, even for reinforcements in concrete. An aggressive carbide metal profile ensure fast drilling progress. The integrated tip design ensures ideal drilling performance and perfect centring. The precise workmanship of Heller drill bits is evidenced in the precise alignment and soldering of tungsten carbide plates and the low run-out values.



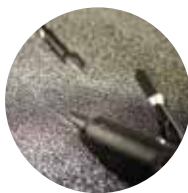
Milling processes

The helix is produced by grinding or milling. The spiral is created from solid material. This guarantees the precision of the spiral progression. The external and internal diameter dimensions of the helical are precisely complied with. The benefits during application include a smoother drilling process and continuous drilling dust removal, thus minimising the deflagration risk.



Helix shapes

Patented helix shapes guarantee optimal removal of drilling dust without risk of deflagration, for example, thanks to alternating narrow and wide backs. Maximum speed with ideal impact energy performance is a result of reduced friction thanks to computer-aided design.



Heller curing technology HST

The special HST curing process ensures an ideal surface texture: Heller hammer drill bits thus only exhibit minimal susceptibility to breakage under the most demanding applications – even including impacting on reinforced concrete. Ideal especially for long bits, the HST curing process at the same time guarantees excellent bending flexibility without the risk of breakage.



Run out check

Each Heller drill bit is subject to a detailed run out test after having completed production. Computer-controlled measuring sensors identify deviations within the micro millimetre range. The advantages for users are more precise holes in terms of diameter and depth as well as lower degrees of vibration during operation.

TIPS AND TRICKS

Check for reinforced concrete

Heller hammer drill bits will also stand up to reinforcements. Despite this, it is still a good idea to check the wall structure with a detector before you start drilling and to drill masonry only wherever possible. Reinforcements are integrated into constructions for reasons of structural strength and shouldn't be cut if this can be avoided. If you cannot avoid this for design reasons, you need to consult a structural engineer before you start.

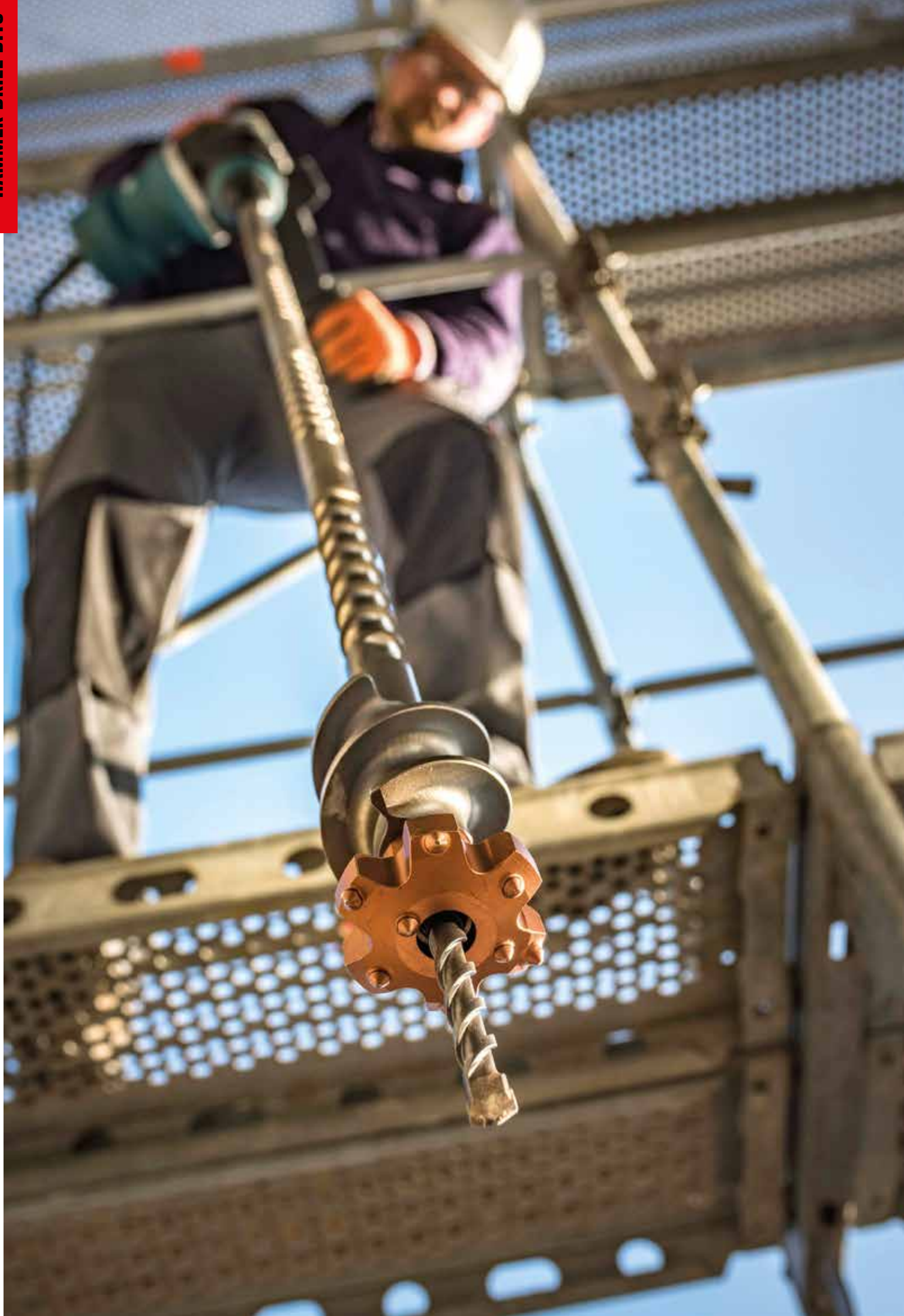
Check for piping and cable routing

When you start drilling, it is a good idea to check the area for piping and cable routing. Cables and pipes normally lead vertically up and down to the socket or fitting. For this reason, it is a not recommended to drill directly above or below

fittings or sockets. For through hole drilling you should always analyse the structure of the opposite side. Use a special detector for this purpose.

Grease the shank & remove residual materials

We recommend greasing the shaft end of the bit before inserting into the chuck. This will extend the service life of your hammer drill. Before fitting a plug, you should always remove material residues from the drill hole to guarantee the best possible safety for the plug.





BIT ADVISOR HAMMER DRILL BITS

Product group	Hammer drill bits								Extraction drill bits		Core drills & cutters		Ratio system			Chisel			
	SDS-plus				SDS-max				SDS-plus	SDS-max	SDS-max		Ratio			SDS-plus		SDS-max	
Shank																			
Product	Trijet	Y Cutter	XForce	Bionic Pro	Prefix	Enduro Trijet	Enduro Y Cutter	Speed2max	Duster Expert	Duster Expert	SuperQuick	StarBreaker	RebarCutter	Ratio Quick Core Drill	Ratio core cutter	Enduro	Power	Enduro	Power
Page	12	14	15	17	21	24	24	26	28	28	30	31	33	34	35	38	39	41	42
Concrete	***	***	***	***	***	***	***	***	***	***	***	***		***	***	***	***	***	***
Reinforced concrete	***	**	**	**		***	***						***		**				
Sand lime brick	***	***	***	***	***	***	***	***	***	***	***	***		***	***	***	***	***	***
Masonry	***	***	***	***	***	***	***	**	***	***	***	**		***	***	***	***	***	***
Brick	***	***	***	***		***	***	**	***	***	***	**		***	**	**	**	**	**
Granite	**	**	**	**		**	**		***	***						***	*	***	*
Natural stone	***	***	***	***		***	***	***	***	***	**	***				***	**	***	**
Marble	**	*	**	**		**	**	*	***	***						***	*	***	*

Quality Stages

- Professional Plus
- Professional
- Classic

Material suitability

- ★★★ Recommended
- ★★ Well suited
- ★ Suitable



2618 TRIJET SDS-plus HAMMER DRILL BITS

Our best SDS-plus multi-cutter with the longest service life in concrete and reinforcement.



- ✓ Premium multi-cutter for concrete and reinforcement
- ✓ Highest service life and extremely resilient to wear
- ✓ Particularly powerful and rugged multi-cutter with patented Trijet tip
- ✓ With recessed carbide tip for extreme resilience in reinforcement steel and powerful drilling progress
- ✓ Lowest costs per hole
- ✓ Highest effectiveness and speed thanks to Trijet tip plus optimised helix design
- ✓ Best possible drill dust transport without risk of inflagration thanks to large-volume, low-vibration Twinmax 3D helix, also in deep holes
- ✓ Lowest vibration thanks to computer-simulated helix reduces the load on the user
- ✓ Particularly easy positioning; avoids spalling even after drilling many holes thanks to double centring tip

More information on our Trijet hammer drill bits is available here:



★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★
Reinforced concrete	Concrete	Sand lime brick	Brick	Marble	Masonry	Natural stone	Granite



Art. 4010159-	mm	mm	mm	mm
26740 3	5	50	110	1
26741 0	5	100	160	1
26742 7	5.5	50	110	1
26743 4	5.5	100	160	1
28465 3	5.5	250	310	1
26744 1	6	50	110	1
26745 8	6	100	160	1
26746 5	6	150	210	1
26747 2	6	200	260	1
28466 0	6	250	310	1
26748 9	6.5	50	110	1
26749 6	6.5	100	160	1
26750 2	6.5	150	210	1
28082 2	6.5	200	260	1
28083 9	6.5	230	290	1
28084 6	6.5	300	360	1
26751 9	7	100	160	1
26752 6	7	150	210	1
26753 3	8	50	110	1
26754 0	8	100	160	1
26755 7	8	150	210	1
26756 4	8	200	260	1
26757 1	8	250	310	1
26758 8	8	400	460	1
26759 5	10	50	110	1
26760 1	10	100	160	1
26761 8	10	150	210	1
26762 5	10	200	260	1
26763 2	10	250	310	1
26764 9	10	400	460	1
26765 6	10	550	600	1
26766 3	12	100	160	1
26767 0	12	150	210	1
26768 7	12	200	260	1
26769 4	12	250	310	1
26770 0	12	400	450	1
26771 7	12	550	600	1
28086 0	13	100	160	1
28087 7	13	200	250	1
28088 4	13	250	300	1
26772 4	14	100	160	1
26773 1	14	150	200	1
26774 8	14	200	250	1
26775 5	14	250	300	1

Art. 4010159-	mm	mm	mm	mm
26776 2	14	400	450	1
26777 9	14	550	600	1
28089 1	15	100	160	1
28090 7	15	200	250	1
28091 4	15	250	300	1
26778 6	16	150	200	1
26779 3	16	200	250	1
26780 9	16	250	300	1
26781 6	16	400	450	1
26782 3	16	550	600	1

SETS



Art. 4010159-	mm	mm
26812 7	Ø 5/6/8	3
27465 4	Ø 6/6/8/8/10	5
26813 4	Ø 5/6/6/8/8/10/12	7
27588 0	Ø 5/5.5/6/7/8/10	7

ECO-BOX



Art. 4010159-	mm	mm	mm	mm
27221 6	5	50	110	10
27222 3	6	50	110	10
27223 0	6	100	160	10
27224 7	8	50	110	10
27225 4	8	100	160	10
27226 1	10	100	160	10
27227 8	12	100	160	10
27228 5	12	150	210	10



2518 Y-CUTTER ERGO SDS-plus HAMMER DRILL BITS

Premium SDS-plus hammer drill for concrete and reinforced concrete.

- ✓ Premium multi-cutter for concrete and reinforcement
- ✓ Highest service life and extremely resilient to wear
- ✓ Particularly powerful and rugged multi-cutter with patented Y-Cutter technology
- ✓ With recessed carbide tip for extreme resilience in reinforcement steel and powerful drilling progress
- ✓ Highest effectiveness and speed in large diameters thanks to Y-Cutter technology plus optimised helix design
- ✓ Best possible drill dust transport without risk of in-flagration thanks to large-volume, low-vibration Twinmax 3D helix, also in deep holes
- ✓ Lowest vibration thanks to computer-simulated helix reduces the load on the user
- ✓ Three-dimensional cutting edge profile makes positioning really easy and avoids spalling even after drilling many holes

Art. 4010159	mm	TWINMAX	TWINMAX	Art.
22522 9	16	200	250	1
22523 6	16	400	450	1
22524 3	18	250	300	1
22525 0	18	400	450	1
22526 7	20	250	300	1
22527 4	20	400	450	1
22528 1	22	400	450	1
22529 8	24	200	250	1
22530 4	24	400	450	1
22531 1	25	400	450	1
22532 8	28	200	250	1
22533 5	28	400	450	1
22534 2	30	400	450	1



★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Reinforced concrete	Concrete	Brick	Masonry	Natural stone	Sand lime brick



1318 XFORCE SDS-plus HAMMER DRILL BITS

Hammer drill bit with 4 cutting edges combines speed and long life.
Also available in a 4 flute design.







- ✓ **Multicutter** for concrete and rebar
- ✓ **Extremely robust head** with 4 edges for long life
- ✓ **Embedded carbide head** for **extreme resistance** on rebar and powerful drilling progress
- ✓ **Exceptionally fast**
- ✓ **Optimised head and flute design** for highly efficient dust removal and minimised blow out effect
- ✓ **Lowest vibration** thanks to computer designed flute for comfortable drilling
- ✓ **Easy positioning** thanks to center head



★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★			
Reinforced concrete	Concrete	Sand lime brick	Masonry	Brick	Marble	Natural stone	Granite			



You will find this product on page 5 of the price list.

1318 XFORCE SDS-plus HAMMER DRILL BITS

Art. 4010159-				
28996 2	5	50	110	1
28997 9	5	100	160	1
29108 8	5.5	50	110	1
29109 5	5.5	100	160	1
28998 6	6	50	110	1
28999 3	6	100	160	1
29000 5	6	150	210	1
29001 2	6	200	260	1
29110 1	6.5	50	110	1
29111 8	6.5	100	160	1
29112 5	6.5	150	210	1
29113 2	6.5	200	260	1
29114 9	7	100	160	1
29115 6	7	150	210	1
29002 9	8	50	110	1
29003 6	8	100	160	1
29004 3	8	150	210	1
29005 0	8	200	260	1
29006 7	8	250	310	1
29007 4	8	400	460	1
29008 1	10	50	110	1
29009 8	10	100	160	1
29010 4	10	150	210	1
29011 1	10	200	260	1
29012 8	10	250	310	1
29013 5	10	400	450	1
29014 2	12	100	160	1
29015 9	12	150	210	1
29016 6	12	200	260	1
29017 3	12	250	310	1
29018 0	12	400	450	1
29019 7	12	550	600	1
29020 3	14	100	160	1
29021 0	14	150	200	1
29022 7	14	200	250	1
29023 4	14	250	300	1
29024 1	14	400	450	1
29025 8	14	550	600	1
29026 5	16	150	200	1
29027 2	16	200	250	1
29028 9	16	250	300	1
29029 6	16	400	450	1
29030 2	16	550	600	1





SETS



Art. 4010159-		
29313 6	Ø 5/6/6/8/10	5
29170 5	Ø 5/6/6/8/8/10/12	7

QUADROPACKS

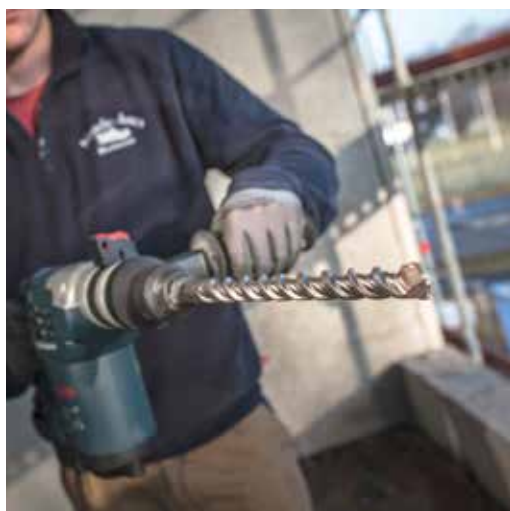


Art. 4010159-				
29217 7	6/7/8/10/12	150	210	5
29215 3	5.5	100	160	11
29165 1	6	100	160	11
29216 0	7	100	160	11
29166 8	8	100	160	11
29167 5	10	100	160	11
29168 2	12	100	160	11



2018 BIONIC PRO SDS-plus HAMMER DRILL BITS

High-speed drill for professional results in concrete and reinforcements.








- ✓ **Dual-cutter** for concrete and reinforcement steel
- ✓ **Extremely robust with long service liles** thanks to the patented drill head
- ✓ **With recessed carbide tip** for extreme resilience in reinforcement steel and powerful drilling progress
- ✓ **Best drilling process** thanks to the optimised carbide cutting edge
- ✓ **Twinmax 3D helix** for highly effective drilling dust transport and minimal dust inflagation even in deep holes
- ✓ **Low vibration** reduces the load on the user
- ✓ **Particularly easy positioning** and avoids spalling even after drilling many holes thanks to double centring tip













More information on our Bionic Pro hammer drill bits is available here:



★★★★	★★★★	★★★★	★★★★	★★★
				
Concrete	Sand lime brick	Brick	Masonry	Reinforced concrete



				
16306 4	4	50	110	1
22016 3	4	100	160	1
15620 2	5	50	110	1
17650 7	5	100	160	1
23642 3	5	150	210	1
28536 0	5	300	360	1
28206 2	5	550	600	1
15965 4	5.5	50	110	1
17298 1	5.5	100	160	1
24158 8	5.5	150	210	1
28537 7	5.5	300	360	1
15622 6	6	50	110	1
15623 3	6	100	160	1
16813 7	6	150	210	1
15658 5	6	200	260	1
27787 7	6	250	310	1
22263 1	6	300	350	1
28484 4	6	400	460	1
28485 1	6	550	600	1
18308 6	6.5	50	110	1
19350 4	6.5	100	160	1
16304 0	6.5	150	210	1
23645 4	6.5	200	260	1
21798 9	6.5	230	290	1
28085 3	6.5	300	360	1
19874 5	7	50	110	1
15625 7	7	100	160	1
21687 6	7	150	210	1
28486 8	7	300	360	1
15966 1	8	50	110	1
15626 4	8	100	160	1
15627 1	8	150	210	1
15659 2	8	200	260	1
16934 9	8	250	310	1
28487 5	8	300	360	1
15661 5	8	400	460	1
21989 1	8	550	600	1
16152 7	9	100	160	1
16561 7	9	150	210	1
28481 3	9	200	260	1
27715 0	9.5	250	310	1
16465 8	10	50	110	1
15628 8	10	100	160	1
15629 5	10	150	210	1

				
15630 1	10	200	260	1
18687 2	10	250	310	1
16489 4	10	300	350	1
15967 8	10	400	460	1
17882 2	10	550	600	1
19882 0	10	950	1000	1
28488 2	10	1350	1400	1
18927 9	11	100	160	1
18202 7	11	200	260	1
23650 8	11	250	310	1
15631 8	12	100	160	1
15632 5	12	150	210	1
15633 2	12	200	260	1
15973 9	12	250	310	1
15969 2	12	400	450	1
15970 8	12	550	600	1
19883 7	12	950	1000	1
23418 4	12	1350	1400	1
18309 3	13	100	150	1
28489 9	13	150	210	1
18310 9	13	200	250	1
17299 8	13	250	300	1
22017 0	13	400	450	1
28490 5	13	550	600	1
15636 3	14	100	160	1
15637 0	14	150	200	1
15638 7	14	200	250	1
16316 3	14	250	300	1
16317 0	14	400	450	1
15971 5	14	550	600	1
19884 4	14	950	1000	1
24163 2	14	1350	1400	1
17394 0	15	100	160	1
15639 4	15	150	200	1
15640 0	15	200	250	1
16661 4	15	400	450	1
15641 7	16	100	160	1
15642 4	16	150	200	1
16930 1	16	200	250	1
18688 9	16	250	300	1
15643 1	16	400	450	1
15972 2	16	550	600	1
15899 2	16	750	800	1
19885 1	16	950	1000	1

Art. 4010159	mm	mm	mm	mm	mm
23419 1	16	1350	1400	1	
17927 0	17	150	200	1	
27795 2	17	250	300	1	
15644 8	18	150	200	1	
17656 9	18	200	250	1	
18689 6	18	250	300	1	
16709 3	18	400	450	1	
15974 6	18	550	600	1	
25888 3	18	750	800	1	
19886 8	18	950	1000	1	
15645 5	19	150	200	1	
15646 2	19	400	450	1	
15647 9	20	150	200	1	
28491 2	20	200	250	1	
18690 2	20	250	300	1	
15648 6	20	400	450	1	
15660 8	20	550	600	1	
19887 5	20	950	1000	1	
15649 3	22	200	250	1	
27798 3	22	250	300	1	
15650 9	22	400	450	1	
23647 8	22	550	600	1	
25890 6	22	750	800	1	
23648 5	22	950	1000	1	
15651 6	24	200	250	1	
17247 9	24	400	450	1	
15652 3	25	200	250	1	
22340 9	25	250	300	1	
15653 0	25	400	450	1	
23649 2	25	950	1000	1	
21935 8	26	200	250	1	
15654 7	26	400	450	1	

SETS



Art. 4010159	mm	mm	mm
*1	17748 1	Ø 5/6/8	3
*2	16490 0	Ø 5/6/8/10	4
*3	16491 7	Ø 5/6/6/8/10	5
*4	16315 6	Ø 5/6/6/8/8/10/12	7
*5	23243 2	Ø 6/6/8/8/10/10/12/12	40

ECO BOX



Art. 4010159	mm	mm	mm	mm
22162 7	4	50	110	10
19440 2	5	50	110	10
19441 9	5	100	160	10
23843 4	5.5	100	160	10
19442 6	6	50	110	10
19455 6	6	50	110	50
19443 3	6	100	160	10
19456 3	6	100	160	50
23345 3	6	150	210	10

2018 **BIONIC PRO SDS-plus** HAMMER DRILL BIT

26008 4	6	150	210	50
23844 1	7	100	160	10
19444 0	8	50	110	10
19445 7	8	100	160	10
19457 0	8	100	160	50
19446 4	8	150	210	10
25169 3	8	150	210	50
19459 4	8	200	260	10
19447 1	10	100	160	10
19458 7	10	100	160	50
19448 8	10	150	210	10
26009 1	10	150	210	50
23346 0	10	200	260	10
19449 5	12	100	160	10
25171 6	12	100	160	50
19450 1	12	150	210	10
26010 7	12	150	210	50
23347 7	12	200	260	10
19451 8	14	100	160	5
19452 5	14	150	200	5
23348 4	14	200	250	5
19453 2	16	150	200	5

**ANSI RANGE /
IMPERIAL SIZES**



28057	5/32"	2"	4 1/4"
28058	5/32"	4"	6 1/4"
22474	3/16"	2"	4 1/4"
22475	3/16"	4"	6 1/4"
22481	1/4"	2"	4 1/4"
22482	1/4"	4"	6 1/4"
22483	1/4"	5 7/8"	8 1/4"
17064	3/8"	4"	6 1/4"
22490	3/8"	9 3/4"	12 1/4"
22494	1/2"	4"	6 1/4"
22495	1/2"	7 7/8"	10 1/4"
22497	1/2"	15 3/4"	17 3/4"
22498	1/2"	21 5/8"	23 5/8"
22505	5/8"	15 3/4"	17 3/4"
22510	3/4"	9 3/4"	11 3/4"
22513	7/8"	9 3/4"	11 3/4"
22515	1"	7 7/8"	9 3/4"
22517	1 1/8"	7 7/8"	9 3/4"



2017 PREFIX SDS-plus HAMMER DRILL BITS

Reliable entry-level hammer drill bit.



- ✓ Dual-cutter for all concrete and stone applications
- ✓ Features proven design and rugged carbide plate
- ✓ Genuinely low entry-level price
- ✓ Effective bore dust removal thanks to aggressive tip and helix design
- ✓ Low vibration reduces the load on the user
- ✓ Easy positioning thanks to centring tip



Masonry











Sand
lime
brick



Concrete



Art. 4010159-				
26837 0	4	50	110	1
25300 0	4	100	160	1
25301 7	5	50	110	1
25302 4	5	100	160	1
25303 1	5.5	50	110	1
25304 8	5.5	100	160	1
25305 5	5.5	150	210	1
25306 2	6	50	110	1
25307 9	6	100	160	1
25308 6	6	150	210	1
26838 7	6	200	260	1
25309 3	6.5	100	160	1
25310 9	6.5	150	210	1
25312 3	7	100	160	1
25313 0	7	150	210	1
25314 7	8	50	110	1
25315 4	8	100	160	1
25316 1	8	150	210	1
25317 8	8	200	260	1
25318 5	9	100	160	1
26839 4	10	50	110	1
25320 8	10	100	160	1
25321 5	10	150	210	1
25322 2	10	200	260	1
25323 9	10	250	310	1
26840 0	10	400	450	1
25324 6	11	250	310	1
25325 3	12	100	160	1
25326 0	12	150	210	1
25327 7	12	200	260	1
25328 4	12	250	310	1
26841 7	12	400	450	1
25329 1	14	100	160	1
25330 7	14	150	210	1
25331 4	14	200	250	1
25332 1	14	250	310	1
26842 4	14	400	450	1
25333 8	16	100	160	1
25334 5	16	150	210	1
25335 2	16	250	300	1
26843 1	16	400	450	1
26844 8	18	200	260	1
26845 5	18	250	300	1
26846 2	18	400	450	1

Art. 4010159-				
26847 9	20	250	300	1
26848 6	20	400	450	1
26849 3	22	400	450	1
26850 9	25	400	450	1





SET



Art. 4010159-		
26594 2	Ø 5/6/6/8/8/10/12	7

QUADROPACKS



Art. 4010159-				
25342 0	5	100	160	25
25343 7	5.5	50	110	25
25344 4	5.5	100	160	25
25345 1	5.5	150	210	25
25346 8	6	50	110	25
25347 5	6	100	160	25
25348 2	6	150	210	25
25351 2	7	50	110	25
25352 9	7	100	160	25
25353 6	7	150	210	25
25355 0	8	100	160	25
25356 7	8	150	210	25
25357 4	8	200	260	25



25359 8	9	150	210	25
25360 4	10	100	160	10
25361 1	10	150	210	10
25362 8	10	200	260	10
25363 5	10	250	310	10
25365 9	12	100	160	10
25366 6	12	150	210	10
25367 3	12	200	260	10
25371 0	14	200	250	10
25374 1	16	150	210	10
25375 8	16	250	300	10
26858 5	18	200	260	10
26862 2	20	400	450	10
26864 6	25	400	450	10





2625/2125 **ENDURO SDS-max** HAMMER DRILL BITS

Our best SDS-max hammer drill. Powerful, fast & durable Take the fight to concrete and reinforcements!













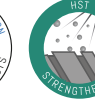


- ✓ With recessed carbide tip for **extreme resilience in reinforcement steel and powerful drilling progress**
- ✓ **Maximum effectiveness and speed** thanks to the stable tips plus optimised helix design
- ✓ **Best possible drill dust transport without risk of inflagation** thanks to large-volume, low-vibration Twinmax 3D helix, also in deep holes
- ✓ **Lowest vibration** thanks to computer-simulated helix reduces the load on the user
- ✓ **Particularly easy positioning and** avoids spalling even after drilling many holes













Trijet: up to 16 mm diameter



Y-Cutter: from 18 mm diameter




★★★★  Concrete	★★★★  Sand lime brick	★★★★  Brick	★★★★  Masonry	★★★★  Natural stone	★★★  Reinforced concrete	★★  Marble					
											

					
2625 Trijet	28178 2	12	200	340	1
	28179 9	12	400	540	1
	28180 5	12	600	740	1
	28181 2	13	200	340	1
	28182 9	13	400	540	1
	28183 6	14	200	340	1
	28184 3	14	400	540	1
	28185 0	14	600	740	1
	28186 7	15	200	340	1
	28187 4	15	400	540	1
	28188 1	16	200	340	1
	28189 8	16	400	540	1
	28190 4	16	600	740	1
	28191 1	16	800	940	1
	28192 8	16	1200	1340	1
	2125 Y-Cutter	22363 8	18	200	340
22364 5		18	400	540	1
28193 5		18	600	740	1
22535 9		18	800	940	1
23111 4		19	200	320	1
23112 1		19	400	520	1
22365 2		20	200	320	1
22366 9		20	400	520	1
28194 2		20	600	720	1
22367 6		20	800	920	1
22368 3		22	200	320	1
22369 0		22	400	520	1
28195 9		22	600	720	1
22370 6		22	800	920	1
23399 6		22	1200	1320	1
22371 3		24	200	320	1
22372 0		24	400	520	1
22373 7		25	200	320	1
22374 4		25	400	520	1
28196 6		25	600	720	1
22375 1		25	800	920	1
22376 8		25	1200	1320	1
23113 8		26	200	320	1
23114 5		26	400	520	1
22377 5	28	200	320	1	
22378 2	28	400	520	1	
22379 9	28	600	720	1	
28197 3	28	800	920	1	

					
2125 Y-Cutter	22380 5	30	200	320	1
	22381 2	30	400	520	1
	28198 0	30	600	720	1
	22382 9	32	200	320	1
	22383 6	32	400	520	1
	28199 7	32	600	720	1
	22384 3	32	800	920	1
	22385 0	32	1200	1320	1
	22386 7	35	200	320	1
	22387 4	35	400	520	1
	22388 1	35	600	720	1
	22389 8	38	200	320	1
	22390 4	38	400	520	1
	28200 0	38	600	720	1
	22391 1	40	200	320	1
	22392 8	40	400	520	1
	28201 7	40	600	720	1
	22393 5	40	800	920	1
	22394 2	40	1200	1320	1
	23343 9	45	400	520	1
23344 6	50	400	520	1	

SETS



			
28205 5		Ø 20 / 22 / 25	3
27908 6		Ø 20 / 28 / 35	3
22470 3		Ø 25 / 30 / 35	3

More information on our Enduro SDS-max hammer drill bits is available here:





2725 **SPEED2MAX SDS-max** HAMMER DRILL BITS

Inexpensive quality drill bits for concrete and stone.



- ✓ **Fast dual-cutter** for all concrete and stone applications
- ✓ **Features proven dual-cutter design and** rugged carbide plate
- ✓ **Genuinely low entry-level price**
- ✓ **High drilling speed** thanks to an optimised tip geometry and wide helix for fast drilling dust removal
- ✓ **Fast drilling dust removal** thanks to wide helix
- ✓ **Low vibration** reduces the load on the user
- ✓ **Easy and precise positioning** thanks to centring tip





27753 2	12	200	340	1
27754 9	12	400	540	1
28234 5	12	600	740	1
28235 2	13	200	340	1
28236 9	13	400	540	1
27755 6	14	200	340	1
27756 3	14	400	540	1
28237 6	15	200	340	1
27757 0	16	200	340	1
27758 7	16	400	540	1
27759 4	18	200	340	1
27760 0	18	400	540	1
27761 7	20	200	320	1
27762 4	20	400	520	1
27763 1	22	200	320	1
27764 8	22	400	520	1
27765 5	24	200	320	1
27766 2	24	400	520	1
27767 9	25	200	320	1
27768 6	25	400	520	1
27769 3	28	200	320	1
27770 9	28	400	520	1
27771 6	30	200	320	1
27772 3	30	400	520	1
27773 0	32	200	320	1
27774 7	32	400	520	1
27776 1	35	400	520	1
27778 5	40	400	520	1



1818/1525 DUSTER EXPERT SDS-max/plus EXTRACTION DRILL BITS

The innovative 2-in-1 drill bit: enhances dust-free drilling.



- ✓ The Duster Expert **combines drilling and dust extraction** in a single step for all concrete work
- ✓ **Removes 98% of drilling dust** where it originates at the drill tip
- ✓ **Rugged design** of the drill and shaft for a long service life
- ✓ **Highest productivity on setting chemical anchors**
- ✓ **Fast thanks to extra large openings at the tip** and reduced drilling resistance as drilling dust is routed internally
- ✓ **Saves annoying cleaning** of the surroundings
- ✓ **Perfect for use** in interior applications



Trijet
(SDS-max < 16 mm)



Y Cutter
(SDS-max 18 - 35 mm)



Bionic
(SDS-plus)



Concrete



Aerated concrete



Sand lime brick



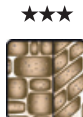
Brick



Aerated concrete



Masonry



Natural stone



Granite



Trijet Y Cutter



Bionic

1818 DUSTER EXPERT SDS-plus



Bionic	28970 2	8	150	270	1
	28971 9	10	150	270	1
	28783 8	12	200	320	1
	28784 5	14	250	370	1
	28786 9	16	250	370	1
	28787 6	18	250	370	1
	28788 3	20	250	370	1
	28789 0	24	250	370	1

3604 DUSTER PRO ANTI-DUST ACCESSORIES

Adapters for dust avoidance.

- ✓ Extraction adapter for connecting to a standard vacuum cleaner
- ✓ Prevents ambient dust in the room
- ✓ Dust is extracted directly at the material surface
- ✓ Autonomously adheres to the wall with vacuum power
- ✓ Suitable for diameters of up to 42 mm

1525 DUSTER EXPERT SDS-max



Trijet	28620 6	14	400	600	1
	28621 3	16	400	600	1
Y-Cutter	28622 0	18	400	600	1
	28623 7	20	400	600	1
	28624 4	22	400	600	1
	28825 5	24	400	600	1
	28625 1	25	400	600	1
	28626 8	28	400	600	1
	28627 5	30	400	600	1
	28628 2	32	400	600	1
28629 9	35	400	600	1	



28619 0

up to Ø 42 mm

1

More information on our Duster Expert extraction drill bits is available here:



1526 ADAPTER



28904 7	SDS-plus	1
28905 4	SDS-max	1



2225 SUPER QUICK SDS-max CORE DRILL

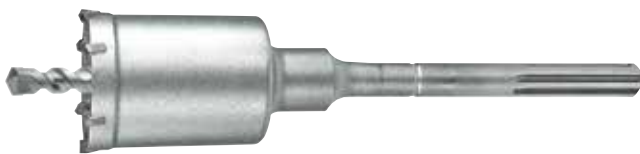
The innovative, high-performance hammer drill bit.

- ✓ **Powerful, fast & durable**
- ✓ **Ideal for placing pipes** through brickwork and concrete
- ✓ **High drill speed** thanks to breaking down the edge of the drilled hole
- ✓ **Extremely rugged design** ensures long service life
- ✓ **Increased drilling dust removal** thanks to patented tooth geometry with changing sequence of flat and pointed teeth
- ✓ **Effective penetration** also in reinforced concrete
- ✓ **Exchangeable pilot bit**

Art. 4010159	mm	mm	mm	mm	Box
24527 2	50	170	290		1
24528 9	50	430	550		1
24766 5	65	430	550		1
24529 6	68	170	290		1
24530 2	68	430	550		1
24531 9	80	170	290		1
24532 6	80	430	550		1
24533 3	90	430	550		1
24534 0	100	430	550		1

2207 CENTRE DRILL

for SuperQuick core drill



Art. 4010159	mm	mm	mm	mm	Box
24542 5	12	77	128		1

★★★★ Concrete
★★★★ Sand lime brick
★★★★ Brick
★★★★ Masonry
★★★★ Natural stone
 HST STRENGTHENING
 HAMMER DRILLING
 SDS max



2425 **STARBREAKER** SDS-max CORE CUTTER

Trouble-free through-hole drilling even in difficult areas.

- ✓ **Fast, reliable & durable**
- ✓ **Highest drilling performance** and long service life thanks to use of high-alloy special steel
- ✓ **Fast progress** even in hard concrete
- ✓ **Precise hole geometry** even in deep holes
- ✓ **Precise positioning** with long, replaceable pilot bit even in difficult corners
- ✓ **Optimal for through-holes in masonry** for pipe routing

Art. 4010159	mm	mm	mm	Box
24520 3	55	390	550	1
24522 7	65	390	550	1
24524 1	80	390	550	1

2209 **PILOT BITS** for StarBreaker core cutter

Art. 4010159	mm	mm	mm	Box
24541 8	18	53	88	1





HELLER RATIO SYSTEM - THE MOST RATIONAL TOOL SYSTEM FOR HAMMER DRILL BITS

Perfect equipment for professional drilling.

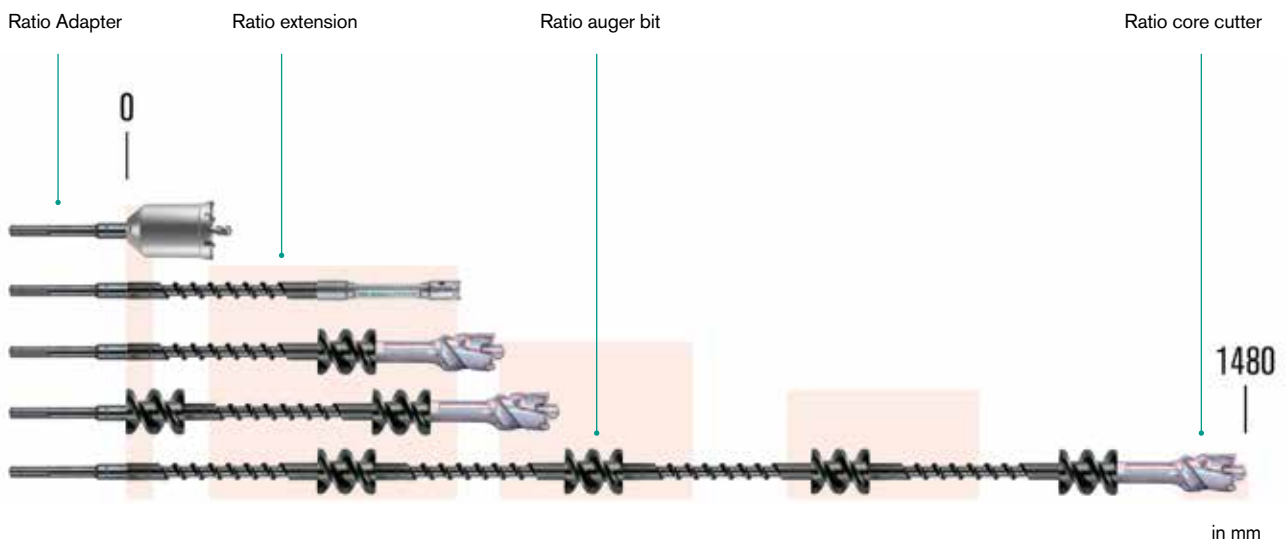
- ✓ Highest drilling performance and long service life thanks to the use of special carbide
- ✓ Rapid progress even in hard concrete
- ✓ Precise positioning even in difficult corners

The Heller Ratio system is a tool system which lets you individually combine the various components: RatioQuick core drills with Ratio rebar cutters, as well as pilot bits, auger bits, extensions and adapters. Depending on the diameter and the desired drilling depth, you can compose the perfect tool thanks to the stable screw connections between the indi-

vidual components. The precision-made Ratio custom thread safely holds the tool together, but is easy to release again after use.

The Ratio system has been used to create tool lengths of up to 1,480 mm – and with excellent results. The hole diameters are between 12 and 150 mm and underline the wide bandwidth of possible applications for the system. Note: Observe details on the drill bit's areas of application.

Particularly efficient and individually combinable with various connection options in the flexible Ratio System.





2310 RATIO REBAR CUTTER

REBAR CUTTERS

An extra-tough response for all reinforcements up to \varnothing 10 mm.

- ✓ **Fast and reliable cutting** through reinforcements of up to \varnothing 10 mm as commonly used on construction sites
- ✓ Individually combinable **with various connection options** thanks to the flexible Ratio system
- ✓ **Extreme durability** thanks to recessed and individually soldered carbide teeth
- ✓ **Optimised impact energy throughput** using the SDS-plus ratio adapter
- ✓ **High drilling speed** and longest service life
- ✓ **Please note:** Cutting of reinforcements is subject to release by a structural engineer



Recessed and individually soldered carbide teeth

Art. 4010159	mm	mm	mm	mm
24600 2	12	190	230	1
24601 9	14	190	230	1
24602 6	16	190	230	1
24603 3	18	190	230	1
24604 0	20	190	230	1
24605 7	25	190	230	1
24606 4	28	190	230	1
24607 1	30	190	230	1

CASE

Art. 4010159	mm	mm
24599 9	14/16/18 x 230 mm	4



★★★

Reinforced concrete














2211 RATIO QUICK CORE DRILL

The better core drill: fast, reliable and clean.




- ✓ With fast and rugged teeth for best-in-class results and efficient drilling dust removal thanks to an alternating sequence of flat and pointed teeth
- ✓ Excellent stability and long service life
- ✓ Extremely quick progress thanks to breaking down of the edge area of the hole
- ✓ Effective penetration also in reinforced concrete
- ✓ Length and diameter of the tool freely combinable in the Ratio system
- ✓ New! The Core Breaker also removes jammed cores quickly and easily






★★★  Concrete	★★★  Sand lime brick	★★★  Brick	★★★  Masonry			
--	---	---	---	---	---	---

Art. 4010159-				
23390 3	40	80	105	1
23391 0	50	80	105	1
23392 7	65	80	105	1
23393 4	68	80	105	1
23394 1	80	80	105	1
23395 8	90	80	105	1
23396 5	100	80	105	1
23397 2	125	80	105	1
23400 9	150	80	105	1

2206 PILOT BITS

Art. 4010159-			
10230 8	12	155	1

2211 KNOCK-OUT TOOL

Art. 4010159-			
28916 0	-	-	1



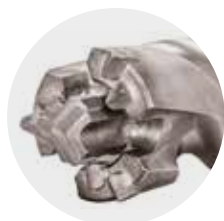
2413 **RATIO** CORE CUTTER

Premium core cutters for professionals.

- ✓ **Highest performance and long service life** thanks to special steel
- ✓ **Fast progress** even in hard concrete
- ✓ **Precise positioning** even in difficult corners
- ✓ In the flexible Ratio system **individually combinable** with a variety of connection options



28918 4	35	75	-	1
28919 1	40	75	-	1
28920 7	45	75	-	1
28921 4	50	75	-	1
28922 1	55	75	-	1
28923 8	60	75	-	1
28924 5	68	75	-	1
28925 2	80	75	-	1



2260 RATIO ADAPTER FOR HAMMER DRILL BITS



15547 2	SDS-plus	108	1
10243 8	SDS-max	185	1

2129 RATIO THREADED BOLT



10232 2	-	-	63	1
---------	---	---	----	---

2412 STAR CUTTER RATIO AUGER BIT



19941 4	32	80	115	35-42	1
19942 1	47	80	115	52	1
19943 8	63	80	115	65-68	1
19944 5	78	80	115	80-160	1

2025 SDS-plus COUPLING FOR SDS-max SHANK



21759 0	-	-	-	1
---------	---	---	---	---

2281 STAR CUTTER RATIO EXTENSION



10231 5	25	280	320	1
---------	----	-----	-----	---

2131 THREAD GREASE



19947 6	-	-	-	1
---------	---	---	---	---

2511/2011

OVERVIEW OF CHISEL RANGE

STRONG AND POWERFUL IN MASONRY AND CONCRETE

- ✓ Always the right chisel for comprehensive demolition work and precision chiselling
- ✓ Long service life thanks to durable tool steel and special hardening processes
- ✓ Stable design suitable for sharpening



Pointed chisel: For routing cables and all chiselling/demolition work as well as through holes.



Flat chisel: For targeted breaking effect as well as all chiselling/demolition work and through-holes.



Spade chisel: For universal removal of large amounts of material.



Ducting chisel: For ducting, chiselling and grooving work.



Grout chisel: For removing and cleaning joints in masonry and grouting.



Grooving chisel: For creating narrow ducts in concrete & masonry.



Toothed chisel: For refurbishing masonry and joints.



Wing chisel: For chiselling, grooving & ducting with depth limit.



Carbide joint chisel: For removing & cleaning joints & masonry and an extra long service life.



Joint chisel: For removing & cleaning joints and masonry.



Tile chisel: For removing tiles.



1218 ENDURO SDS-plus CHISELS

Premium chisels with self-sharpening effect offer the longest service lives for the maximum efficiency in terms of results. Durable and powerful.

- ✓ Next generation chisels. The best choice for anyone wanting the **utmost** quality. Can be delivered as a pointed, flat or spade chisel
- ✓ **Longer service life** thanks to innovative chisel blade design and longer blade length
- ✓ **Reduced profile wear** over the entire service life
- ✓ **Reduces work time** thanks to ideal tip design
- ✓ **Increases comfort** by reducing vibrations
- ✓ **Maximum ruggedness** with wear resistant material quality

Art. 4010159	Icon	Length	Width	Quantity
28542 1	Pointed chisel	14	250	1
28543 8	Flat chisel	20	250	1
28544 5	Spade chisel	44	250	1

SETS

Art. 4010159	Icon	Length	Quantity
28814 9	SDS-plus set Pointed / flat / spade chisel	250	3

Enduro chisel and standard chisel compared:



Before use
Enduro Standard

After 10 hours
Enduro Standard

★★★★ Concrete
★★★★ Sand lime brick
★★★★ Brick
★★★★ Masonry



2011 SDS-plus POWER CHISELS

Power chisels for all popular applications.

- ✓ **The right product** for all chisel work
- ✓ **Particularly hard materials** and an optimised design noticeably increase the power chisel's performance and durability
- ✓ **Improved power transmission** thanks to the shorter chisel length
- ✓ **Ideal chisel effect** without notable loss of impact energy
- ✓ **Long service life** thanks to the use of special steel
- ✓ **Rugged design** - forged from one piece
- ✓ Available in **pointed, flat and spade versions** with SDS-plus



26279 8	Pointed chisel	-	140	1
26280 4	Flat chisel	22	140	1
26281 1	Spade chisel	30	140	1

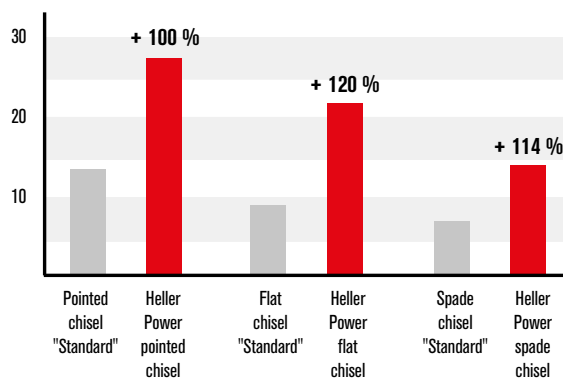
MIXED SET DRILL BITS & CHISELS



26288 0	Bionic (Ø 6/8 x 100/160 mm) Meißel (140 mm)
---------	--



Penetration depth in mm per unit of time



★★★★	★★★★	★★★★	★★	
Concrete	Sand lime brick	Masonry	Brick	



2011 SDS-plus CHISELS

Create through-holes easily, even in difficult areas.



16114 5	Pointed round	11	250	1
19620 8	Pointed square	14	250	1
19621 5	Flat	20	250	1
19622 2	Spade	40	250	1
19623 9	Hollow	22	250	1
22833 6	Tiles	40	250	1
16811 3	Tiles	75	165	1
22835 0	Wings	22	250	1
19624 6	Joints	6	250	1
19771 7	HM joints	32	125	1
19772 4	HM joints	32	200	1

SETS



23368 2	Pointed round	11	250	5
22884 8	Pointed square	14	250	5
22885 5	Flat	20	250	5
22886 2	Spade	40	250	5
23372 9	Hollow	22	250	5
23373 6	Joints	40	250	5
23374 3	Tiles	75	250	5



★★★★



Concrete

★★★★



Sand lime brick

★★★★



Masonry

★★



Brick





1225 ENDURO SDS-max CHISELS

Premium chisel: long-life. Powerful. Self-sharpening.

- ✓ **Longer service life** thanks to innovative chisel blade design and longer blade length
- ✓ **Reduced profile wear** over the entire service life
- ✓ **Reduces work time** thanks to ideal tip design
- ✓ **Increases comfort** by reducing vibrations
- ✓ **Maximum ruggedness** with wear resistant material quality



28545 2	Pointed	18	350	1
28546 9	Flat	25	350	1
28547 6	Spade	50	350	1

SET



28815 6	Set SDS-max	350	3
---------	-------------	-----	---



Enduro chisel and standard chisel compared:



Before use
Enduro Standard

After 10 hours
Enduro Standard





2511 SDS-max CHISELS

For the toughest tasks.



- ✓ The solution for all large-scale chiselling work
- ✓ Forged from one piece: stable and regrindable for many tasks
- ✓ Extremely powerful thanks to improved power transmission
- ✓ Available in many variants - the right chisel for any task



★★★	★★★	★★★	★★	SDS max
Concrete	Sand lime brick	Masonry	Brick	



21000 3	Pointed	-	280	1
21001 0	Pointed	-	400	1
21002 7	Pointed	-	600	1
21003 4	Flat	25	280	1
21004 1	Flat	25	400	1
21005 8	Flat	25	600	1
21006 5	Spade	50	400	1
21007 2	Spade	75	300	1
25889 0	Spade	115	350	1
21009 6	Duct	32	300	1
21008 9	Hollow	26	300	1
21010 2	Toothed	32	300	1
21011 9	Grout	10	300	1
22832 9	Tiles	50	300	1
22834 3	Wings	35	380	1

SETS



23376 7	Pointed	-	280	5
22879 4	Pointed	-	400	5
22880 0	Pointed	-	600	5
23379 0	Flat	25	280	5
22881 7	Flat	25	400	5
22882 4	Flat	25	600	5
22883 1	Spade	50	400	5
23383 5	Spade	75	300	5
23388 0	Tiles	50	300	5



TECHNICAL DETAILS

CONCRETE AND MASONRY DRILL BITS

QUALITY FEATURES

Special **concrete & stone drill bits** are used for drilling in concrete and masonry. It is important to use drill bits from certified manufacturing to ensure correct installation of components. Drilling tolerances may be exceeded if the drill used is not from a monitored production facility. Drills that are too far out of round, or with excessive tolerances in the carbide cutting edge can lead to drill holes that do not give a plug sufficient hold. In extreme cases installed elements will come loose and cause significant damage.

In terms of concrete drill bits, we even recommend using products produced as per the regulations of the Masonry Drill Bit Testing Association (PGM), an independent institute. You can identify these bits by the quality mark or the symbol embossed onto the drill bit.

Speeds

Regardless of the diameter, impact drilling should be carried out at speeds between 2500 – 3000 rpm.



DRILLING PROCEDURE



Impact drilling

Concrete, sand lime brick, natural stone, masonry, brick



Impact-free rotating drilling

Aerated concrete, hard burnt tiles, fibre cement panels, light sand lime brick, wall tiles

TIPS AND TRICKS

Material suitability

Impact drills are designed for processing masonry, stone and also concrete, depending on the type. The soldered-in carbide plate means that concrete drill bits can withstand heavy loads. However, special products are required to cut through reinforcements.

Cleaning the hole

Before fitting a plug, you should always remove material residues from the drill hole to guarantee the best possible hold for the plug.

HELLER QUALITY FOR LONG-TERM OUTSTANDING RESULTS

Heller exclusively uses the best steel and tungsten carbide plates for its concrete and masonry drill bits. At the same time, accurate processing is paramount, for instance as a result of the precise alignment and soldering of carbide plates or a strict concentricity tolerance. Finally, aspects, such as

ergonomics and occupational safety are paramount. In this process, we aim at meeting professional users' demands. After all, all Heller products contribute to faster and more economical working for professionals.

BIT ADVISOR

CONCRETE AND MASONRY DRILL BITS/DIAMOND TOOLS

Product group	Concrete & masonry drill bits				Diamond products						Ceramics & tile drill bits		
	TRI	CYL	CYL	M16	M16	M16	-	CYL	-	-	HEX/ SDS- plus	CYL	M14
Product	ProXtreme concrete drill bit	ProConcrete concrete steel bit	ProStone masonry drill bits	Core drill	DiamondWizard	Diamond drill bit for socket outlets	Extreme Cut One for all	ExtremeCut Universal	TurboCut Universal	EcoCut Universal	TurboTile Tile and ceramics hole saw	Turbo Tile Tile and ceramics drill bits	Cera Expert Highspeed
Page	46	48	50	52	55	55	58	59	60	61	63	62	64
Concrete	★★★	★★	★	★★★	★		★★★	★★★	★★★	★★★			
Reinforced concrete								★	★	★			
Aerated and porous concrete	★★★	★★★	★★★	★★★	★★★	★★★	★★★		★★★	★★★			
Sand lime brick	★★★	★★★	★★★	★★★	★★★	★★	★★★	★★★	★★★	★★★			
Masonry	★★★	★★★	★	★★★	★★	★★★	★★	★★★	★★★	★★★			
Brick	★★★	★★	★★	★★★	★★★	★★★	★★	★★★	★★★	★★★			
Roofing tiles	★★★		★					★★★	★★★	★★★		★★	★★★
Granite	★★	★	★	★				★★			★★★	★★★	★★★
Hard burnt tiles	★	★★			★★★		★★★		★★	★★	★★	★★	★★★
Marble	★★★	★	★	★	★★			★			★★★	★★★	★★
Wall tiles	★★★	★	★★		★★						★★	★★★	★★
Natural stone	★★★	★★	★★	★★★	★★								
Glass											★★	★★	★★★

Quality stages

- Professional Plus
- Professional
- Classic

Material suitability

- ★★★ Recommended
- ★★ Well suited
- ★ Suitable















3750 PROXTREME CONCRETE & NATURAL STONE DRILL BITS

Our best hammer drill for extreme requirements in concrete and natural stone.



- ✓ **Powerful. Durable. Convenient:** The multi-talent for concrete and all natural stone types with superior performance
- ✓ **Longest service life and excellent positioning behaviour**
- ✓ **3-edged "Tri" shank** prevents slipping in the drill chuck
- ✓ **A wide range of applications and perfect centring** thanks to ground carbide plate and high-strength tip soldering
- ✓ **Specially designed for challenging drilling**, e.g., in concrete, granite, marble and vertically perforated bricks
- ✓ **Extremely high speed** thanks to optimal tip geometry and large-volume helix design
- ✓ **Heller curing technology** ensures extreme performance characteristics and break resilience
- ✓ **Can be used for hammer drilling and rotary drilling**



★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★					
											
Aerated & porous concrete	Sand lime brick	Aerated concrete	Marble	Brick	Masonry	Natural stone					



28245 1	4	45	115	1
28247 5	5	50	115	1
28656 5	5	135	200	1
28249 9	6	60	125	1
28250 5	6	110	175	1
28657 2	6	185	250	1
28252 9	7	60	125	1
28253 6	8	80	145	1
28658 9	8	185	250	1
28254 3	9	80	145	1
28255 0	10	80	145	1
28659 6	10	185	250	1
28256 7	12	90	150	1
28257 4	14	90	150	1

PROXTREME CASSETTES



*1	28262 8	Ø 5/6/8	3
*2	28263 5	Ø 5/6/8/10	4
*3	28264 2	Ø 4/5/6/8/10	5



*1



*2



*3













3000 PROCONCRETE CONCRETE/MASONRY DRILL BITS

Quality hammer drill bits for professional drilling solutions.

- ✓ Extremely **robust quality hammer** drill bits with significantly longer service life compared to traditional concrete drill bits
- ✓ **Fast drilling speed** thanks to wide helix
- ✓ **Special Heller curing technology** of the surface guarantees excellent break resilience
- ✓ **Developed for frequent use** in concrete and stone, sand lime brick and masonry
- ✓ **Long service life** thanks to optimised carbide geometry with enlarged point angle
- ✓ **Can be used for hammer drilling and rotary drilling**



★★★★  Concrete	★★★★  Aerated & porous concrete	★★★★  Sand lime brick	★★★★  Brick	★★★★  Masonry	★★★★  Aerated concrete				
---	--	--	--	--	---	---	--	---	---

Art. 4010159-	mm	mm	mm	
10000 7	3	45	85	1
10001 4	4	45	85	1
10003 8	5	50	95	1
10026 7	5	110	150	1
10005 2	6	60	100	1
10027 4	6	110	150	1
10007 6	7	60	100	1
10008 3	8	80	120	1
10028 1	8	135	200	1
18001 6	8	350	400	1
10010 6	9	80	120	1
10011 3	10	80	120	1
10029 8	10	150	200	1
18002 3	10	350	400	1
10013 7	12	90	130	1
10030 4	12	150	200	1
18004 7	12	350	400	1
10015 1	14	90	150	1
16229 6	14	200	260	1
18006 1	14	350	400	1
10016 8	16	90	150	1
18008 5	16	350	400	1
10017 5	18	100	160	1
10018 2	20	100	160	1

SETS

Art. 4010159-	mm	
17751 1	Ø 5/6/8	3
16873 1	Ø 5/6/8/10	4
17755 9	Ø 4/5/6/8/10	5
16884 7	Ø 4/5/6/6/8/10/12	7



CONCRETE & MASONRY DRILL BITS / DIAMOND TOOLS

ECO BOX

Art. 4010159-	mm	mm	mm	
19475 4	5	50	95	10
19476 1	6	60	100	10
19477 8	8	80	120	10



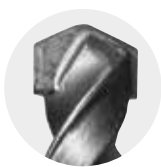


3015 PROSTONE MASONRY DRILL BITS

Entry-level impact drilling – fast, good and reliable.



- ✓ Quality drill bits for stone
- ✓ Optimised for masonry
- ✓ Ideal for use in cordless drills
- ✓ Quick dust removal thanks to 4-fluted helix
- ✓ Long service life thanks to stable carbide tip



★★★★
Aerated & porous concrete



★★★★
Sand lime brick



★★★★
Masonry



★★
Brick



★★
Natural stone



Art. 4010159-	mm	mm	mm	mm	mm
18017 7	4	45	75	1	
24608 8	4	110	150	1	
24609 5	4,5	110	150	1	
18018 4	5	45	95	1	
18019 1	5	110	150	1	
19279 8	5,5	50	95	1	
19281 1	5,5	110	150	1	
18020 7	6	60	100	1	
18021 4	6	110	150	1	
18022 1	6,5	60	100	1	
18023 8	6,5	110	150	1	
18024 5	7	60	100	1	
19282 8	7	110	150	1	
24611 8	7	275	400	1	
18025 2	8	80	120	1	
24612 5	8	110	150	1	
18026 9	8	135	200	1	
24615 6	9	80	120	1	
18027 6	10	80	120	1	
24616 3	10	110	150	1	
18028 3	10	135	200	1	
24618 7	10	400	600	1	
18029 0	12	90	150	1	
18030 6	12	150	220	1	
18031 3	13	90	150	1	
18032 0	14	90	150	1	
24622 4	14	275	400	1	
24623 1	14	500	600	1	
24624 8	15	90	150	1	
18033 7	16	90	150	1	
24625 5	16	150	200	1	
24626 2	16	275	400	1	
24627 9	16	500	600	1	
18034 4	18	100	160	1	
24628 6	18	275	400	1	
24629 3	18	500	600	1	
18035 1	20	100	160	1	
24630 9	20	275	400	1	
24631 6	20	500	600	1	

SETS

	Art. 4010159-	mm	mm
*1	17744 3	Ø 5/6/8/10	4
*2	17745 0	Ø 4/5/6/8/10	5
*3	18037 5	Ø 4/5/6/6/8/10/12	7



*1



*2



*3



3225

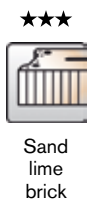
CORE BIT/DRILL BIT FOR SOCKET OUTLETS

Core bit for installing socket outlets, recessed lighting, etc.

- ✓ **Powerful, fast & durable** with exchangeable pilot bit
- ✓ **Low-wear carbide teeth** for particularly fast and convenient drilling
- ✓ **Precise concentricity for precise drilling and convenient work**
- ✓ **Particularly good durability thanks to the hardened steel body**
- ✓ **With M16 interior thread** for fitting a pilot bit



23295 1	25	50	120	6	1
23296 8	30	50	120	6	1
23297 5	35	50	120	6	1
18944 6	40	50	120	6	1
18945 3	50	50	120	6	1
23298 2	68	50	120	6	1
25892 0	72	50	120	6	1
18947 7	80	50	120	6	1
18948 4	90	50	120	6	1
18949 1	100	50	120	8	1



3226 PILOT BITS



18951 4	9	-	120	1

3270/18 DRIVE ADAPTER SDS-plus



18954 5	-	-	110	1
18955 2	-	-	300	1

3270 HEXAGONAL DRIVE ADAPTER



18952 1	-	100	1

3215 HEXAGONAL CORE BITS, SETS OF DRILL BITS FOR SOCKET OUTLETS



18959 0	50	50	120	3
23341 5	68	50	120	3
18841 8	80	50	120	3

3215/18 SDS-plus CORE BITS, SETS OF DRILL BITS FOR SOCKET OUTLETS

19625 3	40	50	120	3
19626 0	50	50	120	3
23342 2	68	50	120	3
19628 4	80	50	120	3

3390/09 UNIVERSAL CASSETTE HSS, STONE & WOOD



17741 2	3 x Ø 5/6/8	9

3090/09 UNIVERSAL CASSETTE HSS & STONE



17742 9	Ø 3/4/4.5/5/6/6.8/8	9



TECHNICAL DETAILS DIAMOND TOOLS

QUALITY FEATURES

Besides carbide tools, **diamond tools** have established themselves on the market for processing very hard materials. Diamond products are the ideal tool for extremely accurate, fast and low-vibration applications in many materials as well as for cutting and large diameter drilling.

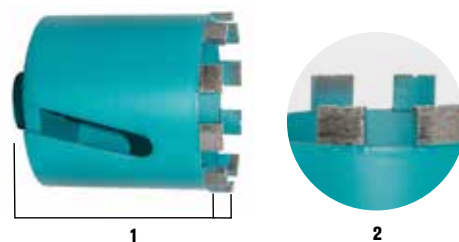
Purchasing diamond tools is a question of trust. From the outside you can barely tell the difference in quality between different drill bits or cutting discs. Consequently, it is all the more important to opt for a product made by a renowned quality man-

ufacturers when selecting tools. Heller can fall back on decades of experience in diamond tool manufacturing.

Heller diamond tools are easy to use and cost-effective – consequently, traders can save time and costs: gain a crucial advantage by drilling and cutting yourself. No more waiting times for external special-purpose providers – and work on the building site will no longer grind to a halt.

DIAMOND TOOL STRUCTURE

All diamond tools consist of at least two parts, a base body **1** and the actual diamond layer **2**. The parts of the diamond tool that work their way into the material you are processing, the diamond segments, are just as crucial for the cutting capability and service life as is the connection between the segments and the base body.



DESIGN AND FUNCTION OF DIAMOND SEGMENTS

Diamond segments are tool-adapted moulds composed of a sinter metal and embedded diamond grains. They are soldered or welded onto the carrier. On account of chip formation, the diamond segments may only be of a limited length in order to allow the worn material particles to be removed from the segment surface via the formed chip grooves. Consequently, the coolant (air or water, depending on the application) must reach the segment surface. A further purpose of

the cavities is to remove the machining dust or slurry. In this case, toothed tools demonstrate crucial advantages. Tools with a closed edge, however, provide a better surface and fewer cracks around the edges of the workpieces – crucial for tiles, for instance.









3285 DIAMONDWIZARD DRILL BIT FOR SOCKET OUTLETS

Perfect for installing socket outlets for plug sockets and junction boxes.

- ✓ For professional installation work
- ✓ Extremely resilient high-end diamond cutters for fast material removal and low wear
- ✓ Can be used for dry drilling
- ✓ Ideally suited for use in high-density sand lime brick, wet sand lime brick and all types of masonry
- ✓ Fast drill dust removal and reduced jamming effect thanks to the innovative drilling template with wizard spiral
- ✓ With anti-vibration feature for fast and optimal centring
- ✓ Accessories and extras: adapter and pilot bit available separately












3285 DIAMONDWIZARD

					
24552 4	68	65	90	8	1
24553 1	82	65	90	8	1

PILOT BITS



				
28781 4	8	-	130	1

★★★★ 	★★★★ 	★★★★ 	★★★ 	★★ 				
Aerated & porous concrete	Sand lime brick	Aerated concrete	Brick	Masonry				



3290

DIAMOND DRILL BIT FOR SOCKET OUTLETS

Entry-level - quality drill bit for socket outlets.

- ✓ Diamond drill bit for socket outlets for installation work
- ✓ Reliable segment connection
- ✓ Faster progress
- ✓ Universally deployable



27217 9	68	65	95	3	1
27219 3	82	65	95	4	1



★★★	★★★	★★★	★★	★★	M 16
Aerated & porous concrete	Aerated concrete	Natural stone	Sand lime brick	Masonry	





3873 ONE FOR ALL DIAMOND DISC

The all-rounder cutting disc. For all building materials.

- ✓ **Universal disc** for quickly cutting in concrete, reinforced concrete, brick, natural stone, metal, sheet metal, wood, plastics, composites, etc.
- ✓ **Suitable for dry use**
- ✓ **Very long service life**
- ✓ **Outstanding cutting characteristics**

You will find more details on our one-for-all diamond cutting disc here:



Art. 4010159			
28679 4	125	22.23	1
28680 0	230	22.23	1



★★★★ Reinf. Concrete	★★★★ Concrete	★★★★ Sand lime brick	★★★★ Stainless steel	★★★★ Brick	★★★★ Aerated & porous concrete	★★★★ Aerated concrete
-----------------------------	----------------------	-----------------------------	-----------------------------	-------------------	---------------------------------------	------------------------------

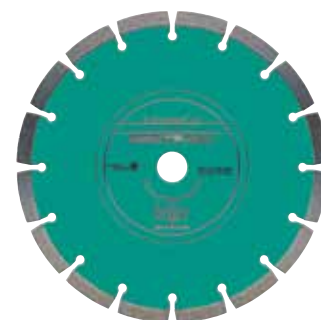
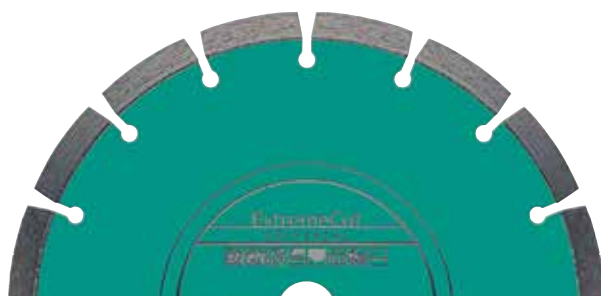


3870 EXTREME CUT UNIVERSAL

High-performance all-round diamond disc for all dry and wet cuts.

- ✓ **Reliable cutting in all materials, also in extreme situations**
- ✓ **High-frequency laser-welded design for maximum service life**
- ✓ **10 mm segment height for a large number of separating cuts**
- ✓ **Rugged design for a long service life**
- ✓ **High-performance all-round disk for dry and wet cutting on the building site**

Art. 4010159				
26698 7	115	22.23		1
26699 4	125	22.23		1
26700 7	150	22.23		1
26701 4	180	22.23		1
26702 1	230	22.23		1
26785 4	350	25.40		1



★★★★	★★★★	★★★★	★★★★	★★★★
Aerated & porous concrete	Sand lime brick	Concrete	Masonry	Brick

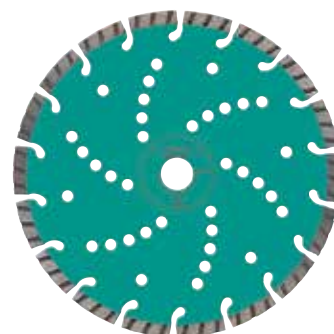
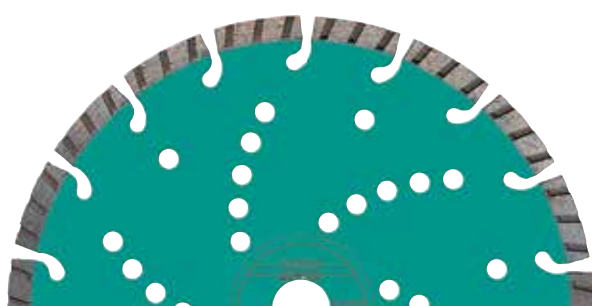


3871 TURBO CUT UNIVERSAL

Turbo-fast universal cutting disc for all common cuts.

- ✓ The fast diamond cutting disc
- ✓ Segmented turbo cutting disk with 10 mm segment height
- ✓ Sinter Hot-press technology for longer service life and excellent cutting results
- ✓ Perforated master disk for long periods of use without breaks
- ✓ Effective air cooling rely on a large number of slots in the cutting circle
- ✓ Ideal for dry cutting with angle grinders

Art. 4010159			
26705 2	115	22.23	1
26706 9	125	22.23	1
26707 6	150	22.23	1
26708 3	180	22.23	1
26709 0	230	22.23	1
26787 8	350	25.40	1



★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Aerated & porous concrete	Sand lime brick	Concrete	Masonry	Brick	Granite

3872 ECO CUT UNIVERSAL

Entry-level diamond disc for all cuts with an excellent price-performance ratio.

- ✓ For medium-difficulty cutting tasks on all standard building materials
- ✓ Excellent price-performance ratio
- ✓ Segment height 10 mm for extended use
- ✓ Sinter Hot-press technology for longer service life and excellent cutting results
- ✓ Ideal for dry cutting with angle grinders

Art. 4010159				
26712 0	115	22.23	1	
26713 7	125	22.23	1	
26714 4	150	22.23	1	
26716 8	230	22.23	1	
26789 2	350	24.40	1	



★★★★ Aerated & porous concrete	★★★★ Sand lime brick	★★★ Masonry	★★ Brick
-----------------------------------	-------------------------	----------------	-------------



3830 TURBOTILE TILE AND CERAMICS DRILL BITS

High-quality drill bit for tiles and ceramics.

- ✓ Easy drilling for neat holes
- ✓ Drilling with a grinding process prevents the material from cracking or chipping
- ✓ The drill core is easily removed via a side slot
- ✓ Can be used in all popular drills without any problems
- ✓ Liquid cooling recommended for a long service life

Art. 4010159-	mm	mm	mm	mm
26219 4	5	12	55	1
26220 0	6	12	55	1
26221 7	7	12	55	1
26222 4	8	12	55	1
26223 1	10	12	55	1
26224 8	12	12	55	1
26225 5	15	12	55	1
26226 2	20	12	55	1
26227 9	25	12	55	1



SETS

Art. 4010159-	mm	
26232 3	Ø 6/8/10	3
26230 9	Ø 5/6/8/10	4
26231 6	Ø 5/6/7/8	4

★★★ 	★★★ 	★★ 	★★ 	★★ 	★★ 	
Marble	Wall tiles	Hard fired tiles	Granite	Roofing tiles	Plate glass	



3835 TURBOTILE TILE AND CERAMICS HOLE SAW

Premium hole saw for precise holes in tiles and ceramics.

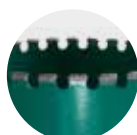
- ✓ Prevents the material from cracking or breaking off
- ✓ Even drilling at the tile edge is no problem
- ✓ Can be deployed in all popular drilling machines
- ✓ Use with liquid cooling extends the service life
- ✓ Drill core easily removable via side slot



26515 7	35	35	45	1
26516 4	44	35	45	1
26517 1	51	35	45	1
26518 8	60	35	45	1
26520 1	68	35	45	1

ACCESSORIES

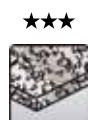
26526 3	Turbo tile hole saw adapters
26528 7	SDS-plus adapters
26530 0	Pilot bit



SETS



26531 7 (26536 3, 26528 7, 26530 0)	Ø 68	3
---	------	---



Marble



Wall tiles



Hard
fired tiles



Granite



Roofing
tiles



Glass



Plate
glass





3820 CERA EXPERT HIGHSPEED STONEWARE & ROOFING TILE DRILL

Perfect for the toughest challenges.



- ✓ **Maximum service life and perfect results** in the hardest of tiles, roofing tiles and stoneware
- ✓ **Cooling is ensure through integrated paraffin emulsion.** Removes the need for additional cooling
- ✓ **Suitable for angle grinders** with M14 shank at high rotational speeds
- ✓ **With tri-edge shank as a rotation stop**
- ✓ **Heller tip:** Work without exerting great pressure for centring and start drilling at one edge

You will find more information on our Cera Expert Highspeed stoneware and roofing tile drill bits here:



★★★	★★★	★★	★★	★★	M14
					
Marble	Wall tiles	Hard fired tiles	Granite	Roofing tiles	



28660 2	6	-	1
28661 9	8	-	1
28662 6	10	-	1
28663 3	12	-	1
28710 4	14	-	1
28664 0	20	-	1
28665 7	25	-	1
28666 4	35	-	1
28667 1	40	-	1
28668 8	45	-	1
28669 5	50	-	1
28670 1	60	-	1
28671 8	68	-	1
28672 5	82	-	1

SETS



28816 3	Ø 6/8/6/8	-	-	6
---------	-----------	---	---	---

CONCRETE & MASONRY DRILL BITS / DIAMOND TOOLS



You will find our Cera Expert stoneware & roofing tile drill bits on page 131.

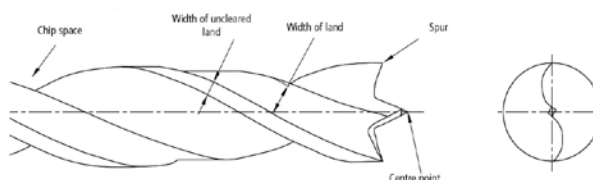
TECHNICAL DETAILS WOOD DRILL BITS

RECOMMENDED APPLICATIONS

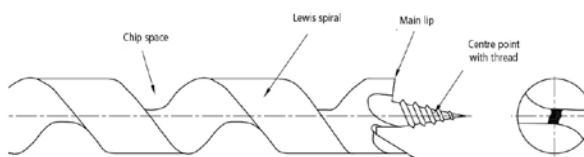
Accurately machined holes are vital when processing construction elements or producing high-quality wood parts. Where visible, they underline the looks of furniture and in the non-visible area holes are paramount for the accuracy of the design. For this reason, special, precisely machined wood drill bits must be used to process wood.

Wood drill bits are equipped with a distinctive centring tip. The hole is precisely determined using the centring tip. Lateral shoulder cuts enable clean-cut fibres around the edge of the bore.

Wood drill bit



Lewis auger drill bits



TIPS & TRICKS

Avoiding break-out

Securely clamp the workpiece onto a base plate (rest) and slightly drill into the base plate when drilling through materials. This prevents cracks on the bottom of the workpiece.

Guiding the drill

Drilling with a box column drill creates precise holes and a straight progression of the drilling action. Holes produced with a hand-held drill require precise guiding by hand.

Removing chips during drilling

Pull the tool back through the bore regularly during drilling to

remove chips from the drilling channel. In the event of a lack of ventilation, and hence the removal of chips, the drilling channel clogs up, the drill bit jams in the hole and causes the material to heat up.

Material suitability

The sharpness of drill bits can be maintained over a prolonged period of time if the drill bits are handled with care. For this purpose, it is important to exclusively use tools in solid wood or wood materials. Metal or masonry will make the drill bit blunt or cause it to fracture.

HELLER QUALITY FOR PERMANENTLY OUTSTANDING RESULTS

Heller exclusively uses the best steel for its quality wood drill bits. At the same time, accurate processing is crucial, a factor that becomes evident by the sharp cutting properties or the low levels of run out values. Finally, aspects, such as ergonomics and occupational safety are paramount.

We orientate our actions on the professional user's requirements. After all, all Heller products contribute to faster and more economical working for professionals.



BIT ADVISOR WOOD DRILL BITS

WOOD DRILL BITS

Product group	Twist drill bits							Countersinking and drilling						
Shank	CYL	CYL	HEX	SDS-plus	SDS-plus	CYL	1/4 HEX	CYL	CYL	CYL	CYL	CYL	CYL	
Product	HSS TURBO Wood drill bit	CV Brad point bits	Lewis Long Life Auger drill bits	Lewis Universal Auger drill bits	Formwork drill bits	Formwork drill bits	QuickBit Spade bits	Forstner HighSpeed	Forstner Universal	Expansion bit	BHinge boring bits	Dowel cutters	Wood countersinks	Countersink Attachment
Page	68	70	74	75	77	77	72	79	81	87	83	84	85	86
Coated chipboard	★★★		★			★★	★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★
Formwork	★★★	★★	★★★	★★★	★★★	★★★								
Beams	★★★	★★★	★★★	★★★	★★	★★	★★★	★★★	★★	★★	★★			★★★
Greenwood	★★★	★★	★★★	★★	★	★	★	★★★	★		★			★
Chipboard	★★★		★★				★★	★★★	★★★	★★★	★★★			★★★
Veneer wood	★★★		★★★	★			★	★★★	★★★	★★★	★★★		★★★	★★★
Hardwood	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★		★★★	★★★
Softwood	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★
Plywood	★★★	★★	★★★	★★★	★★	★★	★★★	★★★	★★★	★★★	★★	★★	★★★	★★★

- Quality stages**
- Professional Plus
 - Professional
 - Classic

- Material suitability**
- ★★★ Recommended
 - ★★ Well suited
 - ★ Suitable

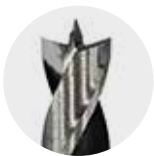


0335 HSS TURBO WOOD DRILL BIT

The professional wood drill bit for the strictest requirements, even in the hardest woods.



- ✓ **Extremely quick progress** and chip removal in all types of wood
Plus lasting precision and reliability in the highest quality woods
- ✓ **HSS steel grade** for the longest service life and stability in many drilling actions
- ✓ **Good chip removal** thanks to large volume helix design
- ✓ **Clean, break-out free holes** thanks to special precision grinding
- ✓ **Precision centring** and **neat drill holes** thanks to ground centring tips and two shoulder cutters
- ✓ **Self-sinking precision tip**
- ✓ **Also ideal for use in cordless drills**
- ✓ **For all types of wooden materials** from soft wood through to the hardest woods, such as Bangkirai, Australian Jarrah, Lignum Vitea, American Black Walnut, Rosewood, Sycamore, Bongosi, laminated woods
- ✓ **Heller tip:** Apply little pressure while working



Beams



Plywood



Soft-wood



Form-work



Chip-board



Laminated chip-board



Veneer wood



Art. 4010159-	mm	mm	mm	mm	mm
28560 5	3	33	61	1	1
28561 2	4	43	75	1	1
28562 9	5	52	86	1	1
28563 6	6	57	93	1	1
28564 3	7	69	109	1	1
28565 0	8	75	117	1	1
28567 4	10	87	133	1	1
28569 8	12	101	151	1	1
28570 4	14	108	160	1	1
28571 1	16	120	178	1	1

SETS

	Art. 4010159-	mm	mm
*1	28817 0	3/4/5/6/8	5
*2	28708 1	3/4/5/6/7/8/9/10/11/12	10



WOOD DRILL BITS









0333 CV BRAD POINT BITS

Proven classic for drilling solutions in any type of wood.



- ✓ **Precision centring and neat drill holes** thanks to ground centring tips and two shoulder cutters
- ✓ **Extra robust** thanks to wear-resistant steel
- ✓ **Fast progress** and chip removal in hardwood and softwood
- ✓ Also suitable for use in **cordless** drills
- ✓ Ideally suited for use in combination with **90° countersink**



★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	
							
Beams	Plywood	Soft-wood	Hard-wood	Chip-board	Lamina-ted chip-board	Veneer wood	



13242 8	3	30	60	1	3
11910 8	4	43	75	1	4
11912 2	5	50	85	1	5
11913 9	6	52	90	1	6
23354 5	6	200	250	1	6
11915 3	7	68	110	1	7
11917 7	8	75	120	1	8
23355 2	8	200	250	1	8
11919 1	9	78	125	1	9
11920 7	10	80	130	1	9.5
23356 9	10	200	250	1	9.5
11921 4	11	90	140	1	11
11922 1	12	100	150	1	9.5
23357 6	12	200	250	1	9.5
11923 8	13	100	150	1	9.5
11924 5	14	105	160	1	9.5
23358 3	14	200	250	1	9.5
11925 2	15	105	170	1	9.5
11926 9	16	115	180	1	9.5
23359 0	16	200	250	1	9.5
11927 6	18	120	190	1	9.5
23360 6	18	200	250	1	9.5
11928 3	20	130	200	1	9.5
23361 3	20	200	250	1	9.5
23349 1	22	140	210	1	13

SETS



*1	16872 4	4/5/6/8/10	5
*2	18736 7	3/4/5/6/7/8/9/10	8
*3	24646 0	3/4/5/6/7/8/9/10/11/12	10



WOOD DRILL BITS



0330 QUICKBIT SPADE BITS

Wood drill bit for blind holes and through holes.

WOOD DRILL BITS



- ✓ For all applications in wood and wooden materials
- ✓ Fast and precise cutting thanks to specially hardened pre-cutters
- ✓ Extremely accurate centring without tear-out at the edge of the hole
- ✓ 1/4" hexagonal shaft prevents the drill bit from slipping into the drill chuck
- ✓ Extra long dimensions and extension available
- ✓ Heller QuickBIT® system: perfectly designed for use with cordless machines
- ✓ Ideal for cordless drills



Beams



Plywood



Soft-wood



Hard-wood



Chip-board






Lamina-ted chip-board





Veneer wood



Art. 4010159			
19053 4	6	152	1
27785 3	6	400	1
19054 1	8	152	1
23377 4	8	400	1
19055 8	10	152	1
23362 0	10	400	1
19056 5	12	152	1
23363 7	12	400	1
21787 3	13	152	1
19057 2	14	152	1
23364 4	14	400	1
19058 9	16	152	1
23365 1	16	400	1
21788 0	17	152	1
19059 6	18	152	1
23366 8	18	400	1
21789 7	19	152	1
19060 2	20	152	1
23367 5	20	400	1
19061 9	22	152	1
23378 1	22	400	1
19062 6	24	152	1
23380 4	24	400	1
19063 3	25	152	1
23381 1	25	400	1
19064 0	28	152	1
19065 7	30	152	1
19066 4	32	152	1
19067 1	35	152	1
22439 0	36	152	1
19068 8	38	152	1
21790 3	40	152	1



SETS



Art. 4010159		
19069 5	10/13/16/19/22/25	6
26508 9	10/12/14/16/18/20 22/25/30/35/40	11

0331 EXTENSION



Art. 4010159		
19070 1	HEX *1	300 1
27945 1	Quick release coupling *2	300 1



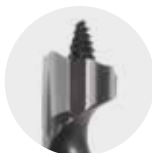
0386 LEWIS LONG LIFE AUGER DRILL BITS

Corrosion-resistant professional auger bit for permanent fast drilling.

- ✓ **Special coating** for permanent corrosion protection and fast, low-friction drilling progress
- ✓ **Holes of all diameters guaranteed** without tear-out
- ✓ **Twice the service life** compared with standard auger bits
- ✓ **Up to 40% lower load** on the drill and longer battery life to match
- ✓ **Pull-in thread** for autonomous drilling progress with minimal force application
- ✓ Can be re-sharpened **up to 15 times**
- ✓ **Suitable for hard- and softwoods**, also for moist woods and wet environments



29246 7	12	380	450	1
29247 4	14	380	450	1
29248 1	16	380	450	1
29249 8	18	380	450	1
29250 4	20	380	450	1
29251 1	22	380	450	1



Beams



Veneer wood



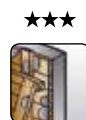
Softwood



Hardwood



Plywood



Formwork



Greenwood



Chipboard



Laminated chipboard





0398 LEWIS UNIVERSAL AUGER BITS

Self-sinking drill bits for all woods.



- ✓ Self-sinking thread tip for on the spot drilling
- ✓ Excellent drilling progress thanks to extra sharp cutter tip
- ✓ Hardened pre- and main cutter ensures a long service life and maximum stability
- ✓ Lewis helix proven for fastest chip removal
- ✓ Ideal for cordless drills, too

WOOD DRILL BITS



Beams



Soft-wood



Hard-wood



You will find this product on page 28/29 of the price list.

heller

75

0398 LEWIS UNIVERSAL AUGER DRILL BITS

Art. 4010159	mm	mm	mm	Box
19029 9	6	150	235	1
25722 0	6	220	300	1
22702 5	8	100	200	1
19030 5	8	150	235	1
25723 7	8	215	300	1
23310 1	8	375	460	1
19031 2	10	150	235	1
15484 0	10	215	300	1
19035 0	10	375	460	1
19032 9	12	150	235	1
15485 7	12	215	300	1
19036 7	12	375	460	1
23312 5	12	515	600	1
19033 6	14	150	235	1
15486 4	14	215	300	1
19037 4	14	375	460	1
19034 3	16	150	235	1
15487 1	16	215	300	1
19038 1	16	375	460	1
23314 9	16	515	600	1
23300 2	18	150	235	1
15488 8	18	210	300	1
19039 8	18	370	460	1
23315 6	18	510	600	1
23301 9	19	150	235	1
23302 6	20	150	235	1
15489 5	20	210	300	1
19040 4	20	370	460	1
23316 3	20	510	600	1
23303 3	22	145	235	1
15490 1	22	205	300	1
19041 1	22	365	460	1
23317 0	22	510	600	1
23304 0	24	145	235	1
19042 8	24	365	460	1
23318 7	24	510	600	1
23305 7	25	140	235	1
18733 6	25	365	460	1
23306 4	26	140	235	1
19043 5	26	365	460	1
23319 4	26	505	600	1
23307 1	28	140	235	1
19044 2	28	365	400	1
23320 0	28	505	600	1

Art. 4010159	mm	mm	mm	Box
23308 8	30	135	235	1
19045 9	30	360	460	1
23321 7	30	530	600	1
23309 5	32	200	235	1
19046 6	32	380	450	1
23322 4	32	530	600	1

SETS

Art. 4010159	mm	Box
18981 1	10/12/14/16/18/20	6
18980 4	6/8/10/12/14/16	6



0398/18 LEWIS UNIVERSAL AUGER DRILL BITS SDS-plus

Art. 4010159	mm	mm	mm	Box
22702 5	8	100	200	1
22703 2	10	160	235	1
22704 9	12	160	235	1
22705 6	16	160	235	1
22706 3	20	160	235	1
22707 0	22	160	235	1
22708 7	25	160	235	1



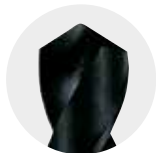


0337 CV FORMWORK DRILL BITS

Specifically for formwork with specially designed drill bits, also for concrete residues.



- ✓ **Long service life** even with demanding casings in slabs with concrete residues due to special alloying
- ✓ **High strength and resistance to breakage** thanks to hard-wearing CV steel
- ✓ **Offset shaft with open helix runout** prevents the drill bit from jamming
- ✓ **Optimum chip removal** in deep drill holes, too
- ✓ **Excellent concentricity** for precise holes
- ✓ **Note: only use for rotary drilling!**
- ✓ Also available as **SDS-plus** variant



Round shank



SDS-plus

★★★★	★★★★	★★★★	★★	★★		
						
Form-work	Soft-wood	Hard-wood	Plywood	Beams		

WOOD DRILL BITS

0337 CV FORMWORK DRILL BITS



12091 3	8	350	400	1	6
12103 3	8	550	600	1	6
12092 0	10	350	400	1	8
12104 0	10	550	600	1	8
12093 7	12	350	400	1	8
12105 7	12	550	600	1	8
12094 4	14	350	400	1	8
12106 4	14	550	600	1	8
12095 1	16	350	400	1	10
12107 1	16	550	600	1	10
12096 8	18	350	400	1	10
12108 8	18	550	600	1	10
12097 5	20	350	400	1	10
12109 5	20	550	600	1	10
12098 2	22	350	400	1	10
12110 1	22	550	600	1	10
12099 9	24	350	400	1	11
12111 8	24	550	600	1	11
12112 5	26	550	600	1	11
12124 8	26	750	800	1	11
12113 2	28	550	600	1	11
12125 5	28	750	800	1	11
12114 9	30	550	600	1	11

0338 CV SDS-plus FORMWORK DRILL BITS



19047 3	10	350	400	1
23330 9	10	550	600	1
19048 0	12	350	400	1
23331 6	12	550	600	1
26183 8	12	750	800	1
19049 7	14	350	400	1
19050 3	16	350	400	1
23333 0	16	550	600	1
19051 0	18	350	400	1
23334 7	18	550	600	1
19052 7	20	350	400	1
23335 4	20	550	600	1
23325 5	22	350	400	1
23336 1	22	550	600	1
23337 8	24	550	600	1
23338 5	26	550	600	1
23339 2	28	550	600	1
23340 8	30	550	600	1

WOOD DRILL BITS



0394 FORSTNER HIGH SPEED FORSTNER BITS

Professional precision Forstner drill bits for high speed drilling in any wood.



- ✓ **Extremely fast drilling progress** thanks to innovative cutting edges and drill bit geometry
- ✓ **Patented serrated edge** of main cutters causes lower friction, low wear and precise chip removal for precision drilling
- ✓ **More than three times the service life** compared with Universal Forstner drill bits
- ✓ **Can be re-sharpened up to 30 times**
- ✓ **Suitable for all types of wood, MDF panels and chipboard**



★★★★



Soft-wood

★★★★



Hard-wood

★★★★



Chip-board

★★★★



Lamina-ted chip-board

★★★★



Veneer wood

★★



Beams

★★



Plywood



0394 FORSTNER HIGH SPEED FORSTNER DRILL BITS



29226 9	10	50	90	1
29227 6	12	50	90	1
29228 3	14	50	90	1
29229 0	15	50	90	1
29230 6	16	50	90	1
29231 3	18	50	90	1
29232 0	20	50	90	1
29233 7	22	50	90	1
29234 4	24	50	90	1
29235 1	25	50	90	1
29236 8	26	50	90	1
29237 5	28	50	90	1
29238 2	30	50	90	1
29239 9	32	50	90	1
29240 5	34	50	90	1
29241 2	35	50	90	1
29242 9	38	50	90	1
29243 6	40	50	90	1
29244 3	45	50	90	1
29245 0	50	50	90	1

WOOD DRILL BITS



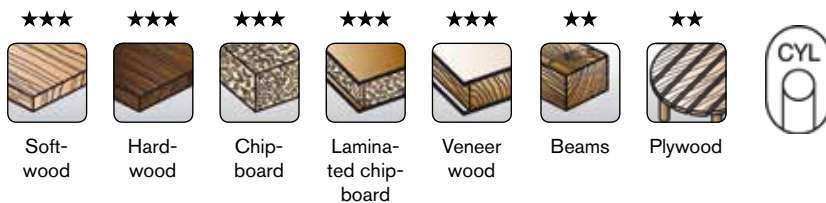
0396 FORSTNER UNIVERSAL FORSTNER BITS

The professional precision Forstner drill bit for precise results in any wood.



- ✓ Ideal for blind holes in solid wood and wooden materials
- ✓ Serrated peripheral cutting edges and two main cutting edges ensure precise drill holes even near edges
- ✓ With precision-ground centring tip for precise centring

WOOD DRILL BITS





12027 2	10	50	90	1	9.5
12028 9	12	50	90	1	9.5
12029 6	14	50	90	1	9.5
12030 2	15	50	90	1	9.5
12031 9	16	50	90	1	9.5
12032 6	18	50	90	1	9.5
12033 3	20	50	90	1	9.5
12034 0	22	50	90	1	9.5
12035 7	24	50	90	1	9.5
12036 4	25	50	90	1	9.5
12037 1	26	50	90	1	9.5
12038 8	28	50	90	1	9.5
12039 5	30	50	90	1	9.5
12040 1	32	50	90	1	9.5
12041 8	34	50	90	1	9.5
12042 5	35	50	90	1	9.5
12043 2	36	50	90	1	9.5
12044 9	38	50	90	1	9.5
12045 6	40	50	90	1	9.5
12046 3	45	50	90	1	9.5
12047 0	50	50	90	1	9.5

WOOD DRILL BITS

SETS



18991 0	Ø 15/20/25/30/35	5
18995 8	Ø 10/15/20/22/25/30/35	7
18996 5	Ø 10/12/14/15/16/20/22/24/25/30/32/35/40/45/50	15





0790

HINGE HOLE BITS

Quality drill bit specially for hinges.

- ✓ The perfect solution for drilling hinge holes in any panel material
- ✓ Ideal for use in box column machines, too
- ✓ **Small centring tip protrusion** enables drilling of hinge holes in thin panel materials
- ✓ With HSS centring tip for **maximised service life**
- ✓ Two carbide precutting edges and two carbide main cutting edges **for long service life and precisely drilled holes**
- ✓ The Heller tip: Select a speed below 3000 rpm

Art. 4010159	mm	mm	mm	mm	mm
14920 4	20	30	60	1	
10705 1	25	30	60	1	
10706 8	26	30	60	1	
10707 5	30	30	60	1	
10709 9	35	30	60	1	

WOOD DRILL BITS



★★★★	★★★★	★★★★	★★★★	★★★★	★★	
Soft-wood	Hard-wood	Chip-board	Laminated chip-board	Veneer wood	Plywood	



0496

DOWEL CUTTERS


Special drill bit for manufacturing pins and knothole dowels.


- ✓ The Heller Plug cutter - perfection in every detail
- ✓ This way, every dowel matches the colour and type of wood for each workpiece
- ✓ Ideal for staircase construction and laying floorboards
- ✓ Design as per DIN 7489





12078 4	10	35	140	1	13
12079 1	12	35	140	1	13
12080 7	15	35	140	1	13
12081 4	20	35	140	1	13
12083 8	30	35	140	1	13



★★★
 Plywood

★★★
 Soft-wood

★★★
 Hard-wood

 CYL



0122

WOOD COUNTERSINKS

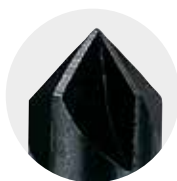
Special drill bit for countersinking any screw head.

- ✓ Reliable and precise work in all types of wood
- ✓ Fast chamfering of drilled holes
- ✓ Precise sinking of countersunk head screws and raised countersunk-head screws
- ✓ Five blades ensure precise work



12009 8	13	80	80	1	8
12010 4	16	90	90	1	8
12011 1	20	100	100	1	8

WOOD DRILL BITS



Beams



Plywood



Softwood



Hardwood



Chipboard



Laminated chipboard



Veneer wood





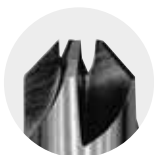
0102

COUNTERSINK ATTACHMENT

Practical drill-mounted countersink: drilling and countersinking in one work step.

- ✓ Universally deployable
- ✓ 5-blade geometries for clean countersinking, also in hard materials
- ✓ 90° countersink angle allows for **precise countersinking of screws**
- ✓ Can also be used as a depth stop
- ✓ Ideal for cordless drills

Art. 4010159-	mm	mm	mm	mm	mm
11857 6	3	16	25	1	
11858 3	3,5	16	25	1	
11859 0	4	16	25	1	
11861 3	5	16	25	1	
11863 7	6	16	25	1	






★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
						
Beams	Plywood	Softwood	Hardwood	Chipboard	Laminated chipboard	Veneer wood



0106 EXPANSION BIT

All-round drill bit with adjustable drilling diameter.

- ✓ **Universal drill bit:** The right tool for every hole thanks to the adjustable blade. An all-round tool for the most common applications
- ✓ **Blade length can be adjusted individually** for a width of 22-76 mm; simple and flexible
- ✓ **Precise, stable design**
- ✓ Extra precision thanks to **precision-ground three-edge tip** and pre-cutter

					
12086 9	22,0-76,0	125	185	1	13

WOOD DRILL BITS



★★★★	★★★★	★★★★	★★★★	★★★★	
					
Soft-wood	Hard-wood	Chip-board	Lamina-ted chip-board	Veneer wood	

TECHNICAL DETAILS METAL DRILL BITS

QUALITY FEATURES

High-quality tools are crucial to process metals. The exact connection of components requires an accurately produced holes.

Unsmooth or incorrectly produced holes with burrs may cause reworking and the quality is crucially impaired. As a consequence, it is paramount to use drill bits produced in compliance with the applicable DIN standards.

The following DIN standards apply for helical drill bits with a cylinder shaft:

- DIN 338** Helical drill bits with cylinder shaft
- DIN 1897** Extra short helical drill bits with cylinder shaft
- DIN 340** Long helical drill bits with cylinder shaft
- DIN 1869** Extra long helical drill bits with cylinder shaft
- DIN 1414** Technical delivery conditions for helical drill bits made of high-speed steel (HSS)



Materials	HSS-Co	HSS-TiN	HSS-G	HSS-R
Steel (N/mm ²) 900	★★★	★★★	★★★	★★★
Steel (N/mm ²) < 1100	★★★	★★		
Steel (N/mm ²) < 1300	★★	*		
Stainless steels	★★★	★★		
Aluminium	★★★		★★★	
Brass	★★★	★★★	★★★	★★
Bronze	★★	★★	★★	★★
Plastics	★★★	★★★	★★★	
Cast iron	★★★	★★	★★	★★★

- ★★★ Excellent choice
- ★★ suitable for occasional use

MANUFACTURING METHOD



Helical grinding

This process involves cutting the helix from a round rod. These bits are extremely precise and used for quality work. A cut bit is normally identifiable by its silver colour.



Roller pressing

More simple bits are manufactured using a (hot) roller-pressing process. A round metal bar is clamped by a mould, thus giving it a helical shape. These bits are perfect for rough work. Roller-pressed bits are often identifiable by their black colour

SPEEDS & FEED SPEED

Material	Cutting speed	Rotational speed per minute for Ø							Cooling lubricant
		3 mm	4 mm	6 mm	10 mm	16 mm	25 mm	40 mm	
Non-alloy construction steel < 700 N/mm ²	30 m/min	3800	2400	1500	1000	600	400	200	Cooling lubricant emulsion
Non-alloy construction steel > 700 N/mm ²	20 m/min	2500	1600	1000	600	400	300	200	Cooling lubricant emulsion
Alloy steel < 1000 N/mm ²	20 m/min	2500	1600	1000	600	400	300	200	Cooling lubricant emulsion
Cast iron	15 m/min	1900	1200	800	500	300	200	100	Dry (compressed air)
CuZn alloys	60 m/min	7600	4800	3000	1900	1200	800	500	Dry (compressed air)
Al alloys	40 m/min	5100	3200	2000	1300	800	500	300	Cooling lubricant emulsion
Thermoplastics	35 m/min	4500	2800	1800	1100	700	400	300	Water, compressed air
Thermoset plastics	25 m/min	3200	2000	1300	800	500	300	200	Dry (compressed air)

Material	Feed speed in mm per revolution for Ø						
	3 mm	4 mm	6 mm	10 mm	16 mm	25 mm	40 mm
Non-alloy construction steel < 700 N/mm ²	0,05	0,08	0,12	0,18	0,25	0,32	0,4
Non-alloy construction steel > 700 N/mm ²	0,05	0,08	0,12	0,18	0,25	0,32	0,4
Alloy steel < 1000 N/mm ²	0,05	0,08	0,12	0,18	0,25	0,32	0,4
Cast iron	0,06	0,1	0,16	0,22	0,3	0,4	0,5
CuZn alloys	0,06	0,1	0,16	0,22	0,3	0,4	0,5
Al alloys	0,08	0,12	0,2	0,28	0,38	0,5	0,63
Thermoplastics	0,08	0,12	0,2	0,28	0,38	0,5	0,63
Thermoset plastics	0,05	0,08	0,12	0,18	0,25	0,32	0,4

TIPS AND TRICKS

Removing chips during drilling

Regularly pulling back (venting) the drill bit prevents chips from depositing in the helical of the drill bit. If the hole is not vented and hence the chips are not removed, the drill bit will jam in the hole and may crack.

Material suitability

The sharpness of the drill bit – and thus the cutting capability in metal and plastic – can be maintained over a prolonged period of time if the drill bits are handled with care. For this purpose, it is important not to use the tools in ceramics, masonry or any other "unsuitable" materials.

Guiding the drill

Drilling with a box column drill creates precise holes and a straight progression of the drilling action. Drills with a hand-held drill require very accurate guiding.

Cooling

Drilling into harder material may cause the tools to heat up. The blade wear progresses more severely and the probability of cracks increases. For a longer service life it is important to supply a suitable coolant over the entire drilling time.

HELLER QUALITY FOR PERMANENTLY OUTSTANDING RESULTS

Heller uses selected HSS steels for its metal drill bits. At the same time, we focus on high-quality workmanship, evident for instance in the precision grind of the tip and helix as well as the low run-out values. Heller always focuses on

the demands of professional users. After all, all Heller products contribute to faster and more cost-effective working for traders.



BIT ADVISOR METAL DRILL BITS

Product group	HSS metal drill bits			HSS steel drill bits		HSS special steel drill bits								
Shank	CYL	CYL	CYL	CYL	CYL	CYL	CYL	CYL	MOR-SE	CYL	CYL	CYL	CYL	CYL HEX
Product	HSS-CO Cobalt	HSS-TiN	HSS-G Turbo	HSS-G	HSS-R	HSS-G Super DIN 340	HSS steel drill bits with offset shank	Blacksmith	Morse taper shank	Sheet metal cone bit	Step drill bit	Tapering & deburring countersinks	Transverse countersink 90°	HSS-CO Stainless steel hole saw
Page	91	94	96	98	101	105	107	108	109	115	116	113	114	117
Sheet metals	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★	★★	★★★
Non-ferrous metals	★★★	★★★	★★★	★★	★★	★★	★★	★★	★★	★★★	★★★	★★	★★	★★★
Iron	★★★	★★★	★★★	★★★	★★	★★★	★★	★★	★★			★★★	★★★	
Cast iron	★★★	★★★	★★★	★★★	★★	★★★	★★	★★	★★			★★★	★★★	
Stainless steel	★★★	★★	★★	★★	★		★	★	★			★	★	
Steel	★★★	★★	★★★	★★	★	★★	★	★	★					★★★

Quality stages

- Professional Plus
- Professional
- Classic

Material suitability

- ★★★ Recommended
- ★★ Well suited
- ★ Suitable



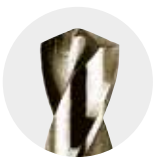
0990 HSS-CO DIN 338 RN COBALT STAINLESS STEEL DRILL BITS

Premium HSS drill bit for the toughest Jobs in stainless steel and metal.



- ✓ Unbeatable in high-alloy steel and stainless steel - the perfect solution for the most challenging drilling
- ✓ Made of special HSS steel with 5% cobalt for extremely long life
- ✓ Pinpoint centring thanks to split point grinding and 135° point angle
- ✓ Precision tool as per DIN 338 RN for outstanding dimensional accuracy of the hole
- ✓ Excellent concentricity as per DIN 1414

METAL DRILL BITS



Sheet metal



Non-ferrous metals



Steel



Stainless steel



Iron



Cast iron





21221 2	1	-	12	34	1
21222 9	1.5	-	18	40	1
21223 6	2	-	24	49	1
21224 3	2.5	M3	30	57	1
21225 0	3	-	33	61	1
21226 7	3.2	-	36	65	1
21227 4	3.3	M4	36	65	1
21228 1	3.5	-	39	70	1
21229 8	4	-	43	75	1
21230 4	4.2	M5	43	75	1
21231 1	4.5	-	47	80	1
21232 8	4.8	-	52	86	1
21233 5	5	M6	52	86	1
21234 2	5.5	-	57	93	1
21235 9	6	M7	57	93	1
21236 6	6.5	-	63	101	1
21237 3	7	-	69	109	1
21238 0	7.5	-	69	109	1
21239 7	8	-	75	117	1
21240 3	8.5	M10	75	117	1
21241 0	9	-	81	125	1
21242 7	9.5	M11	81	125	1
21243 4	10	-	87	133	1
21244 1	10.5	-	87	133	1
21245 8	11	-	94	142	1
21246 5	11.5	-	94	142	1
21247 2	12	M14	101	151	1
21248 9	12.5	-	101	151	1
21249 6	13	-	101	151	1



21257 1	1.6	M2	20	43	10
21258 8	1.7	-	20	43	10
21259 5	1.8	-	22	46	10
21260 1	1.9	-	22	46	10
21261 8	2	-	24	49	10
21262 5	2.1	-	24	49	10
21263 2	2.2	-	27	53	10
21264 9	2.3	-	27	53	10
21265 6	2.4	-	30	57	10
21266 3	2.5	M3	30	57	10
21267 0	2.6	-	30	57	10
21268 7	2.7	-	33	61	10
21269 4	2.8	-	33	61	10
21270 0	2.9	-	33	61	10
21271 7	3	-	33	61	10
21272 4	3.1	-	36	65	10
21273 1	3.2	-	36	65	10
21274 8	3.3	M4	36	65	10
21275 5	3.4	-	39	70	10
21276 2	3.5	-	39	70	10
21277 9	3.6	-	39	70	10
21278 6	3.7	-	39	70	10
21279 3	3.8	-	43	75	10
21280 9	3.9	-	43	75	10
21281 6	4	-	43	75	10
21282 3	4.1	-	43	75	10
21283 0	4.2	M5	43	75	10
21284 7	4.3	-	47	80	10
21285 4	4.4	-	47	80	10
21286 1	4.5	-	47	80	10
21287 8	4.6	-	47	80	10
21288 5	4.7	-	47	80	10
21289 2	4.8	-	52	86	10
21290 8	4.9	-	52	86	10
21291 5	5	M6	52	86	10
21292 2	5.1	-	52	86	10
21293 9	5.2	-	52	86	10
21294 6	5.3	-	52	86	10
21295 3	5.4	-	57	93	10
21296 0	5.5	-	57	93	10
21297 7	5.6	-	57	93	10

QUADROPACKS



21251 9	1	-	12	34	10
21252 6	1.1	-	14	36	10
21253 3	1.2	-	16	38	10
21254 0	1.3	-	16	38	10
21255 7	1.4	-	18	40	10
21256 4	1.5	-	18	40	10



21298 4	5.7	-	57	93	10
21299 1	5.8	-	57	93	10
21300 4	5.9	-	57	93	10
21301 1	6	M7	57	93	10
21302 8	6.1	-	63	101	10
21303 5	6.2	-	63	101	10
21304 2	6.3	-	63	101	10
21305 9	6.4	-	63	101	10
21306 6	6.5	-	63	101	10
21307 3	6.6	-	63	101	10
21308 0	6.7	-	63	101	10
21309 7	6.8	M8	69	109	10
21310 3	6.9	-	69	109	10
21311 0	7	-	69	109	10
21312 7	7.1	-	69	109	10
21313 4	7.2	-	69	109	10
21314 1	7.3	-	69	109	10
21315 8	7.4	-	69	109	10
21316 5	7.5	-	69	109	10
21317 2	7.6	-	75	117	10
21318 9	7.7	-	75	117	10
21319 6	7.8	M9	75	117	10
21320 2	7.9	-	75	117	10
21321 9	8	-	75	117	10
21322 6	8.1	-	75	117	10
21323 3	8.2	-	75	117	10
21324 0	8.3	-	75	117	10
21325 7	8.4	-	75	117	10
21326 4	8.5	M10	75	117	10
21327 1	8.6	-	81	125	10
21328 8	8.7	-	81	125	10
21329 5	8.8	-	81	125	10
21330 1	8.9	-	81	125	10
21331 8	9	-	81	125	10
21332 5	9.1	-	81	125	10
21333 2	9.2	-	81	125	10
21334 9	9.3	-	81	125	10
21335 6	9.4	-	81	125	10
21336 3	9.5	M11	81	125	10
21337 0	9.6	-	87	133	10
21338 7	9.7	-	87	133	10

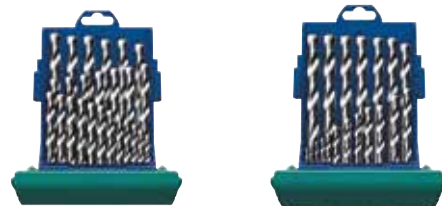


21339 4	9.8	-	87	133	10
21340 0	9.9	-	87	133	10
21341 7	10	-	87	133	10
21342 4	10.2	M12	87	133	5
21343 1	10.5	-	87	133	5
21344 8	11	-	94	142	5
21345 5	11.5	-	94	142	5
21346 2	12	M14	101	151	5
21347 9	12.5	-	101	151	5
21348 6	13	-	101	151	5
23848 9	14	M16	108	160	5
23849 6	16	-	120	178	5

SETS



17735 1	Ø 2/3/4/5/6/8	6
21962 4	Ø 1/1,5/2/2,5/3,,,8,5/9/9,5/10	19
21965 5	Ø 1/1,5/2/2,5/3,,,12/12,5/13	25
26602 4	Ø 6/6,1/6,2,,,9,8/9,9/10	41
26604 8	Ø 1/1,1/1,2,,,5,7/5,8/5,9	50





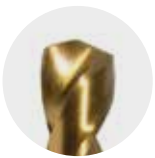
0950 HSS TIN DIN 338 STEEL DRILL BITS

Titanium nitride coated premium steel drill bits.



- ✓ **Particularly long service life and great drilling performance** thanks to titanium coating
- ✓ **In special HSS quality** for a long service life
- ✓ **Split point grinding and 135° point angle** for optimum centring during spot drilling
- ✓ **Precision tool as per DIN 338 RN** for outstanding dimensional accuracy of the hole
- ✓ **Excellent concentricity** as per DIN 1414
- ✓ **Applications:** Steel (alloy and non alloy), iron, castings, sheet metal, non-ferrous metals, plastics, steel and cast steel up to 1400 N/mm² strength

METAL DRILL BITS



Sheet metal



Non-ferrous metals



Iron



Cast iron



Stainless steel



Steel



Stainless steel





29252 8	1	12	34	1
29253 5	1.5	18	40	1
29254 2	2	24	49	1
29255 9	2.5	30	57	1
29256 6	3	33	61	1
29257 3	3.2	36	65	1
29258 0	3.3	36	65	1
29259 7	3.5	39	70	1
29260 3	4	43	75	1
29261 0	4.2	43	75	1
26262 7	4.5	47	80	1
29263 4	4.8	52	86	1
29264 1	5	52	86	1
29265 8	5.5	57	93	1
29266 5	6	57	93	1
29267 2	6.5	63	101	1
29268 9	7	69	109	1
29269 6	7.5	69	109	1
29270 2	8	75	117	1
29271 9	8.5	75	117	1
29272 6	9	81	125	1
29273 3	9.5	81	125	1
29274 0	10	87	133	1
29275 7	10.5	87	133	1
29276 4	11	94	142	1
29277 1	11.5	94	142	1
29278 8	12	101	151	1
29279 5	12.5	101	151	1
29280 1	13	101	151	1

QUADROPACKS



29281 8	1	12	34	10
29282 5	1.5	18	40	10
29283 2	2	24	49	10
29284 9	2.5	30	57	10
29285 6	3	33	61	10
29286 3	3.2	36	65	10
29287 0	3.3	36	65	10
29288 7	3.5	39	70	10
29289 4	4	43	75	10
29290 0	4.2	43	75	10
29291 7	4.5	47	80	10
29292 4	4.8	52	86	10
29293 1	5	52	86	10
29294 8	5.5	57	93	10
29295 5	6	57	93	10
29296 2	6.5	63	101	10
29297 9	7	69	109	10
29298 6	7.5	69	109	10
29299 3	8	75	117	10
29300 6	8.5	75	117	10
29301 3	9	81	125	10
29302 0	9.5	81	125	10
29303 7	10	87	133	10
29304 4	10,5	87	133	5
29305 1	11	94	142	5
29306 8	11.5	94	142	5
29307 5	12	101	151	5
29308 2	12.5	101	151	5
29309 9	13	101	151	5



0906 HSS-G TURBO DIN 338 RN METAL DRILL BITS

Ground precision drill bit for challenging drilling in metal and steel.



- ✓ Drilling without centring For extremely precise holes
- ✓ HSS-G quality for a long service life
- ✓ Aggressive, self-centering W tip
- ✓ Fully ground helix design
- ✓ Virtually burr-free, extremely precise and perfectly circular holes
- ✓ Great results, also in thin steel sheets
- ✓ Quick drilling progress
- ✓ Ideal for cordless drills or box column drills

METAL DRILL BITS



Sheet metal



Non-ferrous metals



Iron



Cast iron



Stainless steel





28630 5	3	33	61	1
28631 2	3.2	36	65	1
28632 9	3.3	36	65	1
28633 6	3.5	39	70	1
28634 3	4	43	75	1
28635 0	4.2	43	75	1
28636 7	4.5	47	80	1
28637 4	4.8	52	86	1
28638 1	5	52	86	1
28639 8	5.5	57	93	1
28640 4	6	57	93	1
28641 1	6.5	63	101	1
28642 8	7	69	109	1
28643 5	7.5	69	109	1
28644 2	8	75	117	1
28645 9	8.5	75	117	1
28646 6	9	81	125	1
28647 3	9.5	81	125	1
28648 0	10	87	133	1
28649 7	10.5	87	133	1
28650 3	11	94	142	1
28651 0	11.5	94	142	1
28652 7	12	101	151	1
28653 4	12.5	101	151	1
28654 1	13	101	151	1

SETS



28706 7	Ø 1-10 mm	19
28707 4	Ø 1-13 mm	25
28818 7	Ø 3/4/5/6/8	5





0900 HSS-G SUPER DIN 338 RN STEEL DRILL BITS

High-quality drill bit for alloyed and unalloyed steels.



- ✓ Highly-precise and durable with best finish in metal
- ✓ Precision ground as per DIN 338 RN for outstanding dimensional accuracy of the drilled hole
- ✓ Split point grinding and 135° point angle for optimum centring during spot drilling
- ✓ Excellent concentricity as per DIN 1414

METAL DRILL BITS



Cast iron



Sheet metal



Iron








Non-ferrous metals













Steel



				
17760 3	1	12	34	2
17761 0	1.5	18	40	2
17762 7	2	24	49	2
17763 4	2.5	30	57	2
17764 1	3	33	61	2
17765 8	3.2	36	65	2
17766 5	3.3	36	65	2
17767 2	3.5	39	70	2
17768 9	4	43	75	1
17769 6	4.2	43	75	1
17770 2	4.5	47	80	1
17771 9	4.8	52	86	1
17772 6	5	52	86	1
17773 3	5.5	57	93	1
17774 0	6	57	93	1
17775 7	6.5	63	101	1
17776 4	7	69	109	1
17777 1	7.5	69	109	1
17778 8	8	75	117	1
17779 5	8.5	75	117	1
17780 1	9	81	125	1
17781 8	9.5	81	125	1
17782 5	10	87	133	1
17783 2	10.5	87	133	1
17784 9	11	94	142	1
17785 6	11.5	94	142	1
17786 3	12	101	151	1
17787 0	12.5	101	151	1
17788 7	13	101	151	1

QUADROPACKS

					
23022 3	0.2	-	3	19	10
23023 0	0.3	-	3	19	10
23024 7	0.4	-	5	20	10
23025 4	0.5	-	6	22	10
23026 1	0.6	-	7	24	10
23027 8	0.7	-	9	28	10
23028 5	0.8	M1	10	30	10
23029 2	0.9	-	11	32	10

					
21121 5	1	-	12	34	10
21122 2	1.1	-	14	36	10
21123 9	1.2	-	16	38	10
21124 6	1.3	-	16	38	10
21125 3	1.4	-	18	40	10
21126 0	1.5	-	18	40	10
21127 7	1.6	M2	20	47	10
21128 4	1.7	-	20	43	10
21129 1	1.8	-	22	46	10
21130 7	1.9	-	22	46	10
21131 4	2	-	24	49	10
21132 1	2.1	-	24	49	10
21133 8	2.2	-	27	53	10
21134 5	2.3	-	27	53	10
21135 2	2.4	-	30	57	10
21136 9	2.5	M3	30	57	10
21137 6	2.6	-	30	57	10
21138 3	2.7	-	33	61	10
21139 0	2.8	-	33	61	10
21140 6	2.9	-	33	61	10
21141 3	3	-	33	61	10
21142 0	3.1	-	36	65	10
21143 7	3.2	-	36	65	10
21144 4	3.3	M4	36	65	10
21145 1	3.4	-	39	70	10
21146 8	3.5	-	39	70	10
21147 5	3.6	-	39	70	10
21148 2	3.7	-	39	70	10
21149 9	3.8	-	43	75	10
21150 5	3.9	-	43	75	10
21151 2	4	-	43	75	10
21152 9	4.1	-	43	75	10
21153 6	4.2	M5	43	75	10
21154 3	4.3	-	47	80	10
21155 0	4.4	-	47	80	10
21156 7	4.5	-	47	80	10
21157 4	4.6	-	47	80	10
21158 1	4.7	-	47	80	10
21159 8	4.8	-	52	86	10
21160 4	4.9	-	52	86	10
21161 1	5	M6	52	86	10

0900 HSS-G SUPER DIN 338 RN STEEL DRILL BITS



21162 8	5.1	-	52	86	10
21163 5	5.2	-	52	86	10
21164 2	5.3	-	52	86	10
21165 9	5.4	-	57	93	10
21166 6	5.5	-	57	93	10
21167 3	5.6	-	57	86	10
21168 0	5.7	-	57	93	10
21169 7	5.8	-	57	93	10
21170 3	5.9	-	57	93	10
21171 0	6	M7	57	93	10
21172 7	6.1	-	63	101	10
21173 4	6.2	-	63	101	10
21174 1	6.3	-	63	101	10
21175 8	6.4	-	63	101	10
21176 5	6.5	-	63	101	10
21177 2	6.6	-	63	101	10
21178 9	6.7	-	63	101	10
21179 6	6.8	M8	69	109	10
21180 2	6.9	-	69	109	10
21181 9	7	-	69	109	10
21182 6	7.1	-	69	109	10
21183 3	7.2	-	69	109	10
21184 0	7.3	-	69	109	10
21185 7	7.4	-	69	109	10
21186 4	7.5	-	69	109	10
21187 1	7.6	-	75	117	10
21188 8	7.7	-	75	117	10
21189 5	7.8	M9	75	117	10
21190 1	7.9	-	75	117	10
21191 8	8	-	75	117	10
21192 5	8.1	-	75	117	10
21193 2	8.2	-	75	117	10
21194 9	8.3	-	75	117	10
21195 6	8.4	-	75	117	10
21196 3	8.5	M10	75	117	10
21197 0	8.6	-	81	125	10
21198 7	8.7	-	81	125	10
21199 4	8.8	-	81	125	10
21200 7	8.9	-	81	125	10
21201 4	9	-	81	125	10

21202 1	9.1	-	81	125	10
21203 8	9.2	-	81	125	10
21204 5	9.3	-	81	125	10
21205 2	9.4	-	81	125	10
21206 9	9.5	M11	81	125	10
21207 6	9.6	-	87	133	10
21208 3	9.7	-	87	133	10
21209 0	9.8	-	87	133	10
21210 6	9.9	-	87	133	10
21211 3	10	-	87	133	10
21212 0	10.2	M12	87	133	5
21213 7	10.5	-	87	133	5
21214 4	11	-	94	142	5
21216 8	11.5	-	94	142	5
21217 5	12	M14	101	151	5
21219 9	12.5	-	101	151	5
21220 5	13	-	101	151	5
25734 3	13.5	-	108	160	5
25736 7	14	M16	108	160	5

SETS



17731 3	Ø 2/3/4/5/6/8	6
17733 7	Ø 2/2,5/3/3,5,,,7/7,5/8	13
21961 7	Ø 1/1,5/2/2,5,,,9/9,5/10	19
21964 8	Ø 1/1,5/2/2,5,,,12/12,5/13	25
26598 0	Ø 6/6,1/6,2,,,9,8/9,9/10	41
26600 0	Ø 1/1,1/1,2,,,5,7/5,8/5,9	50



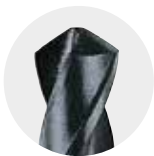


0901 HSS-R DIN 338 RN STEEL DRILL BITS

Proven steel drill bits with Heller quality.



- ✓ The classic choice for **daily solutions in metal**. Ideal for unalloyed steels
- ✓ Reliable, **rolled HSS drill** bit with continuous helix hardness
- ✓ Wire edge at the outside of the taper removed with a point angle of 118° to enable a **long service life**
- ✓ **Precision tool** as per DIN 338 RN



★★★★

Sheet metal



★★

Non-ferrous metals



★★

Iron



★★

Cast iron





17790 0	1	-	12	34	3
17791 7	1.5	-	18	40	3
17792 4	2	-	24	49	3
17793 1	2.5	M3	30	57	2
17794 8	3	-	33	61	2
17795 5	3.2	-	36	65	2
17796 2	3.3	M4	36	65	2
17797 9	3.5	-	39	70	2
17798 6	4	-	43	75	2
17799 3	4.2	M5	43	75	2
17800 6	4.5	-	47	80	2
17801 3	4.8	-	52	86	2
17802 0	5	M6	52	86	2
17803 7	5.5	-	57	93	2
17804 4	6	M7	57	93	2
17805 1	6.5	-	63	101	1
17806 8	7	M8	69	109	1
17807 5	7.5	-	69	109	1
17808 2	8	-	75	117	1
17809 9	8.5	M10	75	117	1
17810 5	9	-	81	125	1
17811 2	9.5	M11	81	125	1
17812 9	10	-	87	133	1
17813 6	10.5	-	87	133	1
17814 3	11	-	94	142	1
17815 0	11.5	-	94	142	1
17816 7	12	M14	101	151	1
17817 4	12.5	-	101	151	1
17818 1	13	-	101	151	1



18458 8	1.8	-	22	46	10
18459 5	1.9	-	22	46	10
18460 1	2	-	24	49	10
18461 8	2.1	-	24	49	10
18462 5	2.2	-	27	53	10
18463 2	2.3	-	27	53	10
18464 9	2.4	-	30	57	10
18465 6	2.5	M3	30	57	10
18466 3	2.6	-	30	57	10
18467 0	2.7	-	33	61	10
18468 7	2.8	-	33	61	10
18469 4	2.9	-	33	61	10
18470 0	3	-	33	61	10
18471 7	3.1	-	36	65	10
18472 4	3.2	-	36	65	10
18473 1	3.3	M4	36	65	10
18474 8	3.4	-	39	70	10
18475 5	3.5	-	39	70	10
18476 2	3.6	-	39	70	10
18477 9	3.7	-	39	70	10
18478 6	3.8	-	43	75	10
18479 3	3.9	-	43	75	10
18480 9	4	-	43	75	10
18481 6	4.1	-	43	75	10
18482 3	4.2	M5	43	75	10
18483 0	4.3	-	47	80	10
18484 7	4.4	-	47	80	10
18485 4	4.5	-	47	80	10
18486 1	4.6	-	47	80	10
18487 8	4.7	-	47	80	10
18488 5	4.8	-	52	86	10
18489 2	4.9	-	52	86	10
18490 8	5	M6	52	86	10
18491 5	5.1	-	52	86	10
18492 2	5.2	-	52	86	10
18493 9	5.3	-	52	86	10
18494 6	5.4	-	57	93	10
18495 3	5.5	-	57	93	10
18496 0	5.6	-	57	93	10
18497 7	5.7	-	57	93	10
18498 4	5.8	-	57	93	10
18499 1	5.9	-	57	93	10
18500 4	6	M7	57	93	10
18501 1	6.1	-	63	101	10

QUADROPACKS



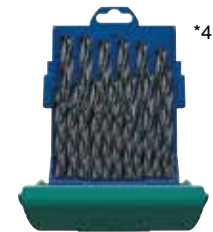
18450 2	1	-	12	34	10
18451 9	1.1	-	14	36	10
18452 6	1.2	-	16	38	10
18453 3	1.3	-	16	38	10
18454 0	1.4	-	18	40	10
18455 7	1.5	-	18	40	10
18456 4	1.6	M2	20	43	10
18457 1	1.7	-	20	43	10

Art. 4010159-	mm		mm	mm	
18502 8	6.2	-	63	101	10
18503 5	6.3	-	63	101	10
18504 2	6.4	-	63	101	10
18505 9	6.5	-	63	101	10
18506 6	6.6	-	63	101	10
18507 3	6.7	-	63	101	10
18508 0	6.8	M8	69	109	10
18509 7	6.9	-	69	109	10
18510 3	7	-	69	101	10
18511 0	7.1	-	69	109	10
18512 7	7.2	-	69	109	10
18513 4	7.3	-	69	109	10
18514 1	7.4	-	69	109	10
18515 8	7.5	-	69	109	10
18516 5	7.6	-	75	117	10
18517 2	7.7	-	75	117	10
18518 9	7.8	M9	75	117	10
18519 6	7.9	-	75	117	10
18520 2	8	-	75	117	10
18521 9	8.1	-	75	117	10
18522 6	8.2	-	75	117	10
18523 3	8.3	-	75	117	10
18524 0	8.4	-	75	117	10
18525 7	8.5	M10	75	117	10
18526 4	8.6	-	81	125	10
18527 1	8.7	-	81	125	10
18528 8	8.8	-	81	125	10
18529 5	8.9	-	81	125	10
18530 1	9	-	81	125	10
18531 8	9.1	-	81	125	10
18532 5	9.2	-	81	125	10
18533 2	9.3	-	81	125	10
18534 9	9.4	-	81	125	10
18535 6	9.5	M11	81	125	10
18536 3	9.6	-	87	133	10
18537 0	9.7	-	87	133	10
18538 7	9.8	-	87	133	10
18539 4	9.9	-	87	133	10
18540 0	10	-	87	133	10
18541 7	10.2	M12	87	133	5
18542 4	10.5	-	87	133	5
18544 8	11	-	94	142	5
18546 2	11.5	-	94	142	5
18548 6	12	M14	101	151	5

Art. 4010159-	mm		mm	mm	
18550 9	12.5	-	101	151	5
18552 3	13	-	101	151	5
18554 7	13.5	-	108	160	5
18556 1	14	M16	108	160	5
18558 5	14.5	-	114	169	5
18560 8	15	-	114	169	5
18562 2	15.5	M18	120	178	5
18564 6	16	-	120	178	5

SETS

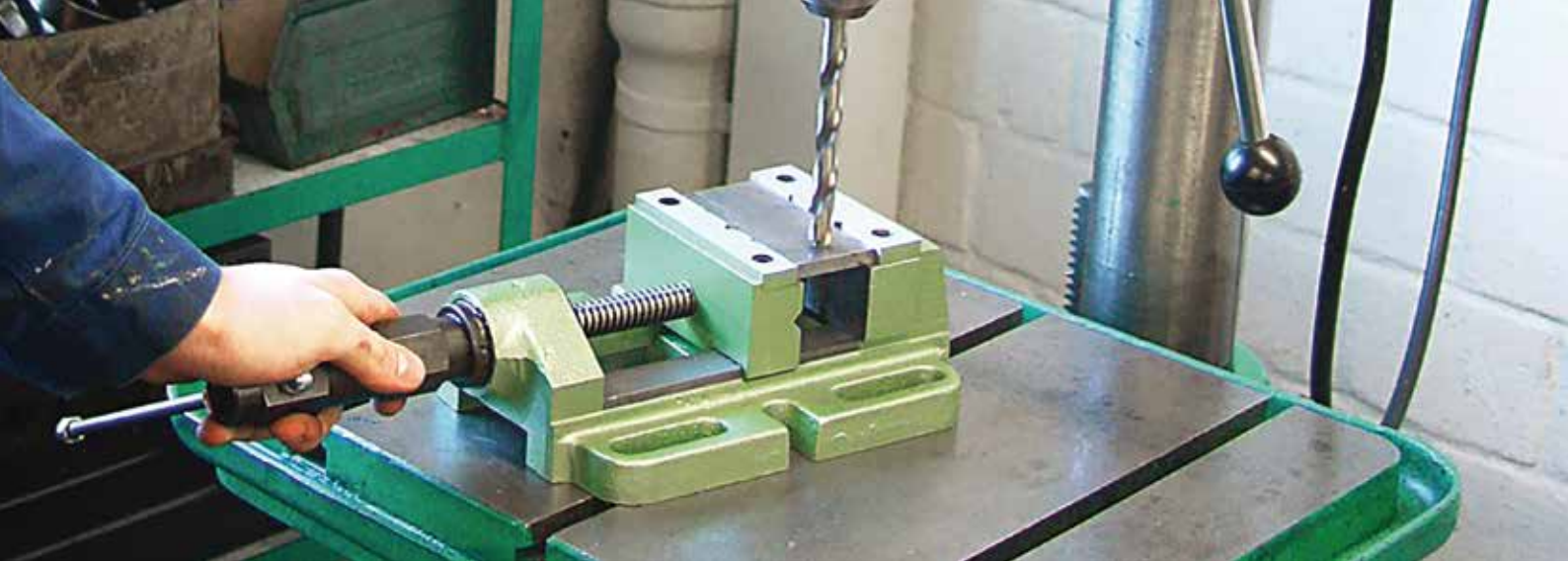
Art. 4010159-	mm	
*1	17732 0	Ø 2/3/4/5/6/8
*2	17734 4	Ø 2/2,5/3/3,5,,,7/7,5/8
*3	17737 5	Ø 1/1,5/2/2,5/3,,,9/9,5/10
*4	18371 0	Ø 1/1,5/2/2,5/3,,,12/12,5/13



901/44 QUADROPACK STEEL DRILL BITS DIMENSIONS IN INCHES



23255 5	1/16"	-	20	43	10
23256 2	5/64"	-	24	49	10
23257 9	3/32"	-	30	57	10
23258 6	7/64"	-	33	61	10
23260 9	9/64"	-	36	70	10
23259 3	1/8"	-	36	65	10
23261 6	5/32"	-	43	75	10
23262 3	11/64"	-	47	80	10
23263 0	3/16"	-	52	86	10
23264 7	13/64"	-	52	86	10
23266 1	15/64"	-	57	93	10
23265 2	7/32"	-	57	93	10
23267 8	1/4"	-	63	101	10
23270 8	19/64"	-	69	109	10
23268 5	17/64"	-	69	109	10
23269 2	9/32"	-	69	109	10
23272 2	21/64"	-	75	117	10
23271 5	5/16"	-	75	117	10
50130 9	23/64"	-	81	125	10
23273 9	11/32"	-	81	125	10
23275 3	3/8"	-	87	133	10
18044 3	13/32"	-	87	133	10
23279 1	7/16"	-	94	142	5
50132 3	27/64"	-	94	142	5
50133 0	29/64"	-	94	142	5
50134 7	31/64"	-	101	151	5
23281 4	15/32"	-	101	151	5
18045 0	1/2"	-	101	151	5



0903 HSS-G SUPER DIN 340 STEEL DRILL BITS LONG

Extra long high-quality drill bit for alloyed and unalloyed steels.



- ✓ Extra-long for large drilling depths, e.g. when drilling through drill bushes
- ✓ Highly-precise and durable with best finish in metal
- ✓ Precision grinding of grooves and diameters for outstanding centring
- ✓ Manufactured as per DIN 340
- ✓ Reinforced core for greater break resistance



Sheet metal



Iron



Cast iron



Non-ferrous metals



Stainless steel



Steel





21349 3	2	56	85	1
21351 6	3	66	100	1
21352 3	3.2	69	106	1
21353 0	3.3	69	106	1
21355 4	4	78	119	1
21356 1	4.2	78	119	1
21358 5	4.8	87	132	1
21359 2	5	87	132	1
21362 2	6	91	139	1
21364 6	6.8	102	156	1
21365 3	7	102	156	1
21367 7	8	109	165	1
21368 4	8.5	109	165	1
21369 1	9	115	175	1
21371 4	10	121	184	1
21373 8	11	128	195	1
21375 2	12	134	205	1
21377 6	13	134	205	1

QUADROPACKS



22349 2	1.5	45	70	10
21379 0	2	56	85	10
21380 6	2.5	62	95	10
21381 3	3	66	100	10
21382 0	3.2	69	106	10
21383 7	3.3	69	106	10
22352 2	3.4	73	112	10
21384 4	3.5	73	112	10
22353 9	3.8	78	119	10
21385 1	4	78	119	10
24510 4	4.1	78	119	10
21386 8	4.2	78	119	10
21387 5	4.5	82	126	10
21388 2	4.8	87	132	10
21389 9	5	87	132	10
21390 5	5.1	87	132	10
24511 1	5.2	87	132	10
21391 2	5.5	91	139	10
24513 5	5.7	91	139	10
24514 2	5.8	91	139	10
21392 9	6	91	139	10
21393 6	6.5	97	148	10
21394 3	6.8	102	156	10
21395 0	7	102	156	10
21396 7	7.5	102	156	10
21397 4	8	109	165	10
21398 1	8.5	109	165	10
21399 8	9	115	175	10
21400 1	9.5	115	175	10
21401 8	10	121	184	10
24515 9	10.2	121	184	5
21402 5	10.5	121	184	5
21403 2	11	128	195	5
21404 9	11.5	128	195	5
21405 6	12	134	205	5
21406 3	12.5	134	205	5
21407 0	13	134	205	5

METAL DRILL BITS



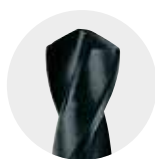
0904 HSS STEEL DRILL BITS WITH REDUCED SHAFT

Universal steel drill bits for any chuck.

- ✓ Premium steel drill bits with reduced shaft support drilling of larger diameters in a small chuck and with hand-held drills
- ✓ Ground HSS steel drill bit for highest precision
- ✓ Ideal for stationary drilling



21542 8	10	87	133	1	8
21544 2	11	94	142	1	8
21546 6	12	101	151	1	8
21548 0	13	101	151	1	8
21549 7	13.5	108	160	1	10
21550 3	14	108	160	1	10
21551 0	14.5	114	169	1	10
21552 7	15	114	169	1	10
21553 4	15.5	120	178	1	10
21554 1	16	120	178	1	10
21555 8	16.5	125	184	1	13
21556 5	17	125	184	1	13
21557 2	17.5	130	191	1	13
21558 9	18	130	191	1	13
21559 6	18.5	135	198	1	13
21560 2	19	135	198	1	13
21561 9	19.5	140	205	1	13
21562 6	20	140	205	1	13
23998 1	22	150	219	1	13
23999 8	25	150	246	1	13



Sheet metal



Non-ferrous metals

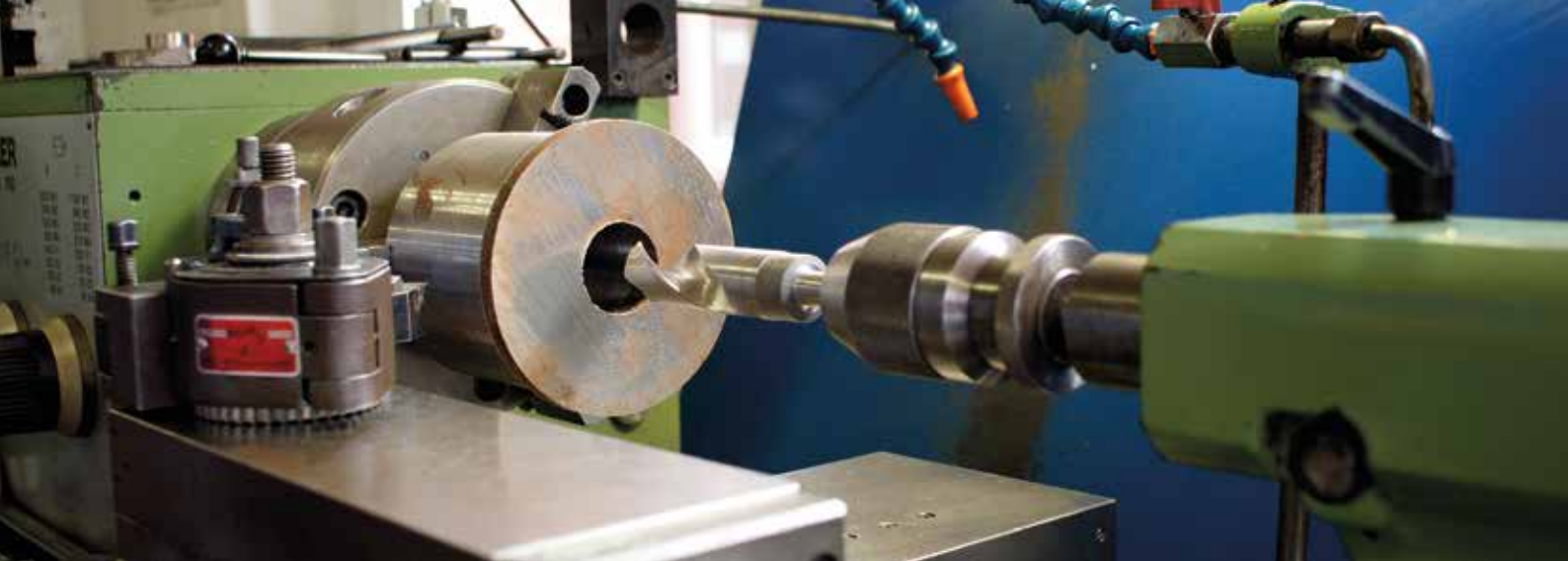


Iron



Cast iron





0904/44 HSS BLACKSMITH STEEL DRILL BITS

Premium steel drill bits for stationary drilling.

- ✓ Shaft form and tool length optimised for use in box column drills
- ✓ Ground HSS steel drill bits for highest precision
- ✓ Ideal for drilling in alloyed and unalloyed steels up to 1100 N/mm²
- ✓ Wire edge at the outside of the taper removed with a point angle of 118° to enable a long service life



26036 7	10	76	165	1	10
26037 4	10.5	76	165	1	10
26038 1	11	76	165	1	10
26039 8	11.5	76	165	1	10
26040 4	12	76	165	1	10
26041 1	12.5	76	165	1	10
26042 8	13	76	165	1	1/2"
26043 5	13.5	76	165	1	1/2"
26044 2	14	76	165	1	1/2"
26045 9	14.5	76	165	1	1/2"
26046 6	15	76	165	1	1/2"
26047 3	15.5	76	165	1	1/2"
26048 0	16	76	165	1	1/2"
26049 7	16.5	76	165	1	1/2"
26050 3	17	76	165	1	1/2"
26051 0	17.5	76	165	1	1/2"
26052 7	18	76	165	1	1/2"
26053 4	18.5	76	165	1	1/2"
26054 1	19	76	165	1	1/2"
26055 8	19.5	76	165	1	1/2"
26056 5	20	76	165	1	1/2"
26057 2	22	76	165	1	1/2"
26058 9	25	76	165	1	1/2"



Cast iron



Sheet metal



Non-ferrous metals



Iron





0905 HSS DIN 345 STEEL DRILL BITS MORSE TAPER SHAFT

Steel drill bits with morse taper shaft.



- ✓ Wire edge at the outside of the taper removed with a point angle of 118° to maximise service life
- ✓ Indispensable for **stationary drilling** in steel
- ✓ Morse taper shank as per DIN 345
- ✓ Good chip removal and concentricity
- ✓ Diameter tolerance as per h8



Sheet metal



Non-ferrous metals



Iron



Cast iron



0905 HSS-G DIN 345 STEEL DRILL BITS MORSE TAPER SHAFT



21477 3	10.5	87	168	1	1
21480 3	12	101	182	1	1
21482 7	13	101	182	1	1
21484 1	14	108	189	1	1
21486 5	15	114	212	1	2
21488 9	16	120	218	1	2
21490 2	17	125	223	1	2
21492 6	18	130	228	1	2
21494 0	19	135	233	1	2
21496 4	20	140	238	1	2
21498 8	21	145	243	1	2
21500 8	22	150	248	1	2
21502 2	23	155	253	1	2
21504 6	24	160	281	1	3
21506 0	25	160	281	1	3
21508 4	26	165	286	1	3
21510 7	27	170	291	1	3
21512 1	28	170	291	1	3
21514 5	29	175	296	1	3
21516 9	30	175	296	1	3
21518 3	31	180	301	1	3
21520 6	32	185	334	1	4
21522 0	33	185	334	1	4
21524 4	34	190	339	1	4
21526 8	35	190	339	1	4
21527 5	36	195	344	1	4
21529 9	38	200	349	1	4
21531 2	40	200	349	1	4
21532 9	41	205	354	1	4
21533 6	42	205	354	1	4
21535 0	44	210	359	1	4
21536 7	45	210	359	1	4
21539 8	48	220	369	1	4
21541 1	50	220	369	1	4



0916 HSS-G SUPER DIN 1869 STEEL DRILL BITS EXTRA LONG

Special HSS helical drill bit for extra deep drill holes.

- ✓ **Special helical design** for the drill bit's concentricity and dimensional stability
- ✓ **Rapid chip removal through** parabolic helix
- ✓ **For a variety of metals** up to a strength of 900 N/mm²
- ✓ **Heller tip:** Regular ventilation accelerates the drilling process and extends the service life



26116 6	3	130	190	1
26117 3	3.2	135	200	1
26118 0	3.3	105	155	1
26119 7	3.5	145	210	1
26120 3	4	150	220	1
26121 0	4.2	150	220	1
26122 7	4.5	160	235	1
26123 4	5	170	245	1
26124 1	5.5	180	260	1
26125 8	6	180	260	1
26126 5	6.5	190	275	1
26127 2	7	200	290	1
26128 9	8	210	305	1
26129 6	8.5	210	305	1
26130 2	9	250	320	1
26131 9	10	235	340	1
26132 6	10.5	185	265	1
26133 3	11	250	365	1
26134 0	12	260	375	1
26135 7	13	260	375	1

METAL DRILL BITS

★★★★ Sheet metal
★★★★ Non-ferrous metals
★★★★ Iron
★★★★ Cast iron



0930 HSS-G SUPER DOUBLE END DRILL BITS

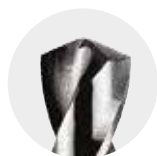
Can be used at both ends - simply twice as good.

- ✓ **Sheet metal drill bits** for body shells, metalworking and tubular rivet holes
- ✓ **Quick change** possible due to double end
- ✓ Precision ground groove and diameter for **outstanding dimensional accuracy**

MULTIPACKS



21408 7	3	11	46	10
21409 4	3.1	11	49	10
21410 0	3.2	11	49	10
21411 7	3.3	11	49	10
21412 4	3.5	12	52	10
21413 1	4	14	55	10
21414 8	4.1	14	55	10
21415 5	4.2	14	55	10
21417 9	4.8	17	62	10
21418 6	5	17	62	10
21419 3	5.1	17	62	10
21420 9	5.2	17	62	10



Sheet metal



Iron



Cast iron



PVC





0922 HSS TAPER AND DEBURRING COUNTER-SINK 90°

Trijet precision tool in professional quality.

- ✓ Deburrs and countersinks at same time
- ✓ Long service life
- ✓ Extremely precise

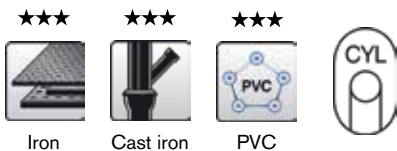
Art. 4010159	mm	mm	mm	mm	mm
22583 0	6.3	-	45	1	
22584 7	8.3	-	50	1	
22585 4	10.4	-	50	1	
22586 1	12.4	-	56	1	
22587 8	16.5	-	60	1	
22588 5	20.5	-	63	1	
22589 2	25	-	67	1	



SETS



Art. 4010159	mm	mm	mm
22590 8	Ø 6,3/8,3/10,4/12,4/16,5/20,5	67	6





0923 HSS TRANSVERSE COUNTERSINK 90°

Countersinking and deburring in a single work step - quick and easy.

- ✓ High performance quality for professional users
- ✓ Innovative chip removal



22591 5	2-5	10	45	1	6
22592 2	5-10	14	48	1	8
22593 9	10-15	21	65	1	10
22594 6	15-20	28	85	1	12

METAL DRILL BITS



SETS



22596 0	Ø 2-5/5-10/10-15/15-20	4
---------	------------------------	---



Iron



Cast iron



PVC





0924 HSS SHEET METAL CONE BIT

Cuts through sheet metal and plastic quickly and reliably.

- ✓ Diameter scale integrated into drill bit
- ✓ Taper angle of 20° – 30°
- ✓ Highly flexible in terms of drilling diameters
- ✓ Ideal for all sheet metal work and for drilling in switch cabinet construction

Art. 4010159-	mm	mm	mm	mm	No.	
22597 7	3-14	34	58	1	6	1
22598 4	5-20	44	71	1	8	2
22599 1	16-30,5	52	76	1	9	3
22600 4	24-40	62	89	1	10	-
22601 1	36-50	68	97	1	12	-
22603 5	5-31	81	103	1	9	-



SETS



Art. 4010159-	No.
22604 2	1/2/3



Sheet metal



Non-ferrous metals



PVC





0925 HSS STEP DRILL BIT

One drill bit a Multitude of drilling diameters.

- ✓ Precision tools for professionals
- ✓ Ideal for drilling in cable ducts and in switch cabinet construction
- ✓ Diameter scale integrated into drill bit
- ✓ Extremely long service life

Art. 4010159	mm	mm	mm	mm	No.	No.
22605 9	4-12	-	65	1	6	0,9
22606 6	4-20	-	75	1	8	1
22610 3	6-37	-	100	1	10	-
22608 0	6-26,75	-	77	1	10	-
22607 3	4-30	-	100	1	10	2
22609 7	4-39	-	107	1	10	-



SETS



Art. 4010159	mm	No.
22611 0	No. 0,9/1/2	3



Sheet metal



Non-ferrous metals



PVC

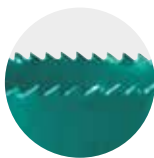










0937 HSS-CO STAINLESS STEEL HOLE SAW

For premium materials up 1 mm material thickness.

- ✓ Hole saw for recessed sockets, cables and pipe lead-throughs
- ✓ **Precise holes** thanks to 8% cobalt-alloyed high-quality speed steel tootingh in bi-metal quality
- ✓ **Very smooth running** thanks to Variotoothing system
- ✓ **Vibration-reduced drilling** and fast sawing progress
- ✓ Long service life thanks to **specially integrated tool steel structure** with solid mounting plate
- ✓ **Heller tip:** Use of cutting oil prolongs the service life
- ✓ **Accessories 934, 935, 936 (see page 118)** - drive adapter with pilot drill, ejector spring



Art. 4010159	mm	mm	mm	mm
26632 1	16	38	48	1
26634 5	19	38	48	1
26635 2	20	38	48	1
26637 6	22	38	48	1
26640 6	25	38	48	1
26641 3	27	38	48	1
26642 0	29	38	48	1
26643 7	30	38	48	1
26644 4	32	38	48	1
27414 2	35	38	48	1
26645 1	38	38	48	1
26646 8	40	38	48	1
26647 5	44	38	48	1
26650 5	51	38	48	1
26652 9	57	38	48	1
26653 6	60	38	48	1
26654 3	64	38	48	1
26656 7	68	38	48	1
26657 4	70	38	48	1
27395 4	83	38	48	1
27396 1	105	38	48	1

★★★★  Sheet metal	★★★★  Non-ferrous metals	★★★★  Iron	★★★★  Stainless steel	★★★★  PVC	
--	---	---	--	--	---

METAL DRILL BITS



0933 HSS BI-METAL HOLE SAW

The universal professional for reliable results.



- ✓ **Quick drilling progress and no jamming** thanks to Vario-Pitch tooth system
- ✓ **Neat, circular holes** thanks to precision manufacturing
- ✓ **Break-proof design** thanks to alloyed tool steel and solid mounting plate
- ✓ **Accessories: adapter, pilot bit and ejector spring** available separately

METAL DRILL BITS



Sheet metal



Beams



Cast iron



Iron



Insulating materials



PVC



Soft-wood





11903 0	14	32	1/2"-20	1
11904 7	16	32	1/2"-20	1
11905 4	17	32	1/2"-20	1
19071 8	19	32	1/2"-20	1
19072 5	20	32	1/2"-20	1
19073 2	22	32	1/2"-20	1
17907 2	24	32	1/2"-20	1
19074 9	25	32	1/2"-20	1
19908 7	27	32	1/2"-20	1
19909 4	29	32	1/2"-20	1
19075 6	30	32	1/2"-20	1
19076 3	32	32	5/8"-18	1
19910 0	33	32	5/8"-18	1
19077 0	35	32	5/8"-18	1
19078 7	38	32	5/8"-18	1
19079 4	40	32	5/8"-18	1
19912 4	41	32	5/8"-18	1
19913 1	43	32	5/8"-18	1
19080 0	44	32	5/8"-18	1
19914 8	46	32	5/8"-18	1
19915 5	48	32	5/8"-18	1
19081 7	50	32	5/8"-18	1
19916 2	51	32	5/8"-18	1
19917 9	52	32	5/8"-18	1
19082 4	54	32	5/8"-18	1
19083 1	57	32	5/8"-18	1
19084 8	60	32	5/8"-18	1
19085 5	64	32	5/8"-18	1
19918 6	65	32	5/8"-18	1
19919 3	67	32	5/8"-18	1
19086 2	68	32	5/8"-18	1
19087 9	70	32	5/8"-18	1
19920 9	73	32	5/8"-18	1
19088 6	76	32	5/8"-18	1
19921 6	79	32	5/8"-18	1
19089 3	83	32	5/8"-18	1
19922 3	86	32	5/8"-18	1
19090 9	89	32	5/8"-18	1
19923 0	92	32	5/8"-18	1
19924 7	95	32	5/8"-18	1
19925 4	98	32	5/8"-18	1
19091 6	102	32	5/8"-18	1
19926 1	105	32	5/8"-18	1
24536 4	108	32	5/8"-18	1



19927 8	111	32	5/8"-18	1
19928 5	114	32	5/8"-18	1
19929 2	121	32	5/8"-18	1
19930 8	127	32	5/8"-18	1
28801 9	133	32	5/8"-18	1
19931 5	140	32	5/8"-18	1
28802 6	146	32	5/8"-18	1
19932 2	152	32	5/8"-18	1
28803 3	168	32	5/8"-18	1
28804 0	177	32	5/8"-18	1
28805 7	203	32	5/8"-18	1

SETS



19779 3	68	3
26159 3	68	3
19780 9	83	3
50101 9	Ø 16/20/25/32/40/51	9
50102 6	Ø 19/22/29/38/44/57	9
23412 2	Ø 12/25/38/48/68/83	9
26015 2	Ø 35/40/50/60/68/76/83	10

0934 DRIVE ADAPTER AND PILOT BIT



Shank

Thread



50103 3	14-30	6-kant/hex. 9,5	1/2" x 20	1
19092 3	14-30	3-kant/triang.	1/2" x 20	1
19093 0	14-30	6-kant/hex. 11	1/2" x 20	1
19094 7	32-152	6-kant/hex.11	5/8" x 18	1
10070 0	14-30	SDS-plus	1/2" x 20	1
10071 7	32-152	SDS-plus	5/8" x 18	1

0927 CUTTING PASTE



22614 1

1

0941 SCRIBING NEEDLE



10319 0

7

145

1

10728 0

8

145

1

0935 PILOT BITS



10072 4

6.35

-

80

1

19095 4

6.35

-

110

1

0936 EJECTOR SPRING



21958 7

1



METAL DRILL BITS

TECHNICAL DETAILS UNIVERSAL & SPECIAL-PURPOSE DRILL BITS

RECOMMENDED APPLICATIONS

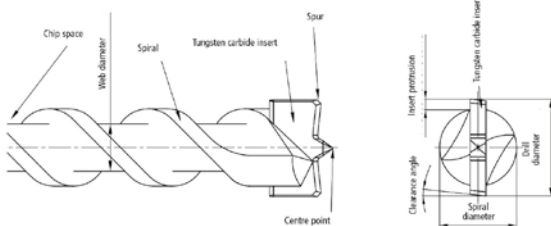
Composite materials as profiles or plates frequently consist of several, combined materials. For this purpose, universal drill bits are ideal to perfectly match the requirements of different materials.

Traders will also save time if they use tools suitable for drilling into several materials without having to change the drill bit. Where components need to be secured in masonry, you can save plenty of time for adjusting and tolerances by drilling through the various materials in a single step. These tools are also suitable for users who only very rarely use drills. They

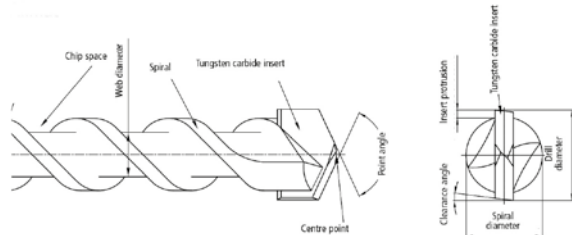
benefit from the matching universal tool suitable for drilling into different materials. These customers must no longer purchase special tools.

Some modern construction materials nowadays demand properties traditional drilling tools can no longer meet. For this reason, Heller offers special solutions designed to process this new type of materials.

All-round



Allmat



UNIVERSAL DRILL BIT SPEEDS

Diameter (D)	Speed (rpm) with Ø 8 mm	Coolant (l/min.)
Wall tiles	700	With

HELLER QUALITY FOR PERMANENTLY OUTSTANDING RESULTS

Heller uses the best steels and tungsten carbide plates for its quality drill bits. At the same time, the focus is on precision workmanship, a factor that becomes evident by the sharp cutter properties or precise concentricity values. Finally, aspects, such as ergonomics and occupational safety are paramount. We orientate our actions on the professional

user's requirements. After all, all Heller products contribute to faster and more cost-effective working for traders.





BIT ADVISOR UNIVERSAL & SPECIAL-PURPOSE

Product group	Universal drill bits				Special drill bits		Universal hole saw
Shank	CYL	SDS-plus	1/4 HEX	CYL	1/4 HEX	TRI	SDS-plus/HEX/M16
Product	AllMat	AllMat	Allmat Quickbit	Allround	Quickbit Ceramic Master	Cera Expert Stoneware and roofing tile drill	AllMat hole saw
Page	125	125	127	124	130	131	128
Insulating materials	***	***	***	***			***
Sand lime brick	***	***	***				
Granite		***				**	
Roofing tiles					***	***	
Wall tiles				***	***	**	
Hard fired tiles					**	***	
Marble						**	
Aluminium				***			
PVC				***			
Hardwood				***			
Laminated chipboard				***			***
Aerated concrete	***	***	***	***			***
Brick	***	***	***				
Masonry	***	***	***				
Natural stone	***		***				
Concrete	***	***	***				

Quality stages

- Professional Plus
- Professional
- Classic

Material suitability

- ★★★ Recommended
- ★★ Well suited
- ★ Suitable



3700 ALLROUND UNIVERSAL DRILL BITS

All-round drill bit for various materials.

- ✓ For universal deployment in many materials
- ✓ Also ideal for coated roofing tiles, the hardest wood and sandwich materials
- ✓ On the dot drilling thanks to carbide centring tip
- ✓ Easy centring even on smooth surfaces

Art. 4010159	mm Ø	mm	mm	mm	mm
22711 7	3	45	85	1	
10334 3	4	45	85	1	
10335 0	5	50	95	1	
10336 7	6	60	100	1	
10337 4	8	80	120	1	
10338 1	10	80	120	1	
10339 8	12	90	150	1	

Art. 4010159	mm Ø	mm
16916 5	Ø 5/6/8/10	4



★★★★  Aluminium	★★★★  Insulating materials	★★★★  PVC	★★★★  Hardwood	★★★★  Laminated chipboard	★★★★  Wall tiles	★★★★  Aerated & porous concrete	
--	---	--	---	--	---	--	---

UNIVERSAL & SPECIAL DRILL BITS

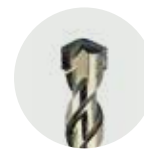


3740/3718 ALLMAT UNIVERSAL DRILL BITS

Reliable universal drill bit.



- ✓ **The all-rounder:** Ideal for many materials used in construction
- ✓ **Time and cost saving** due to using a drill bit for various materials and composites
- ✓ **Drilling thanks** to diamond ground carbide centring cutting edge also possible on smooth and hard surfaces
- ✓ For drilling in brickwork & stone **also deployable with light impact**
- ✓ Also available with **SDS-Plus** coupling



★★★★	★★★★	★★★★	★★★★	★★★★
Aerated & porous concrete	Insulating materials	Sand lime brick	Brick	Masonry

★★★★	★★★★	★★★★	★★★★	★★★★
Granite	Insulating materials	Concrete	Brick	Masonry

★★★★	★★★★	
Natural stone	Concrete	

★★★★	★★★★		
Sand lime brick	Aerated concrete	for Aerated concrete	

UNIVERSAL & SPECIAL DRILL BITS

3740 ALLMAT UNIVERSAL DRILL BITS



22680 6	3	30	70	1
21985 3	4	45	85	1
19414 3	5	50	95	1
21673 9	5	110	150	1
19415 0	6	60	100	1
21674 6	6	110	150	1
19416 7	8	80	120	1
21675 3	8	135	200	1
19417 4	10	80	120	1
21676 0	10	135	200	1
19420 4	12	90	150	1
21677 7	12	150	220	1
21678 4	14	200	260	1

3718 ALLMAT SDS-PLUS UNIVERSAL DRILL BITS



21679 1	6	100	160	1
21680 7	8	100	160	1
21682 1	10	100	160	1
21684 5	12	100	160	1



22697 4	Ø 5/6/8/10	4
---------	------------	---





3775 QUICKBIT ALLMAT UNIVERSAL DRILL BITS

Ideal universal drill bit for a large variety of materials.

- ✓ **Easy centring** even on smooth and hard surfaces thanks to the special edge grinding
- ✓ **The Heller QuickBIT® system:** perfectly designed for use with cordless machines
- ✓ **Fast changing** between drills and bits
- ✓ **1/4" hexagonal shaft** prevents the drill bit from slipping into the drill chuck



26263 7	4	45	85	1
26264 4	5	50	96	1
26265 1	6	60	101	1
26267 5	8	70	120	1
26268 2	10	70	120	1

SET



26284 2	Ø 4/5/6/8/10	5
---------	--------------	---



Aerated concrete



Insulating materials



Sand lime brick



Brick



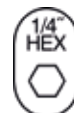
Masonry



Natural stone



Concrete





3725 ALLMAT GENERAL-PURPOSE HOLE SAW

Hole saw for all installations.



- ✓ **Optimal for all trades:** sinks sockets & pipes at lightning speed
- ✓ **Universally deployable** with a variety of materials
- ✓ **Long service life** thanks to carbide tips that can be re-sharpened
- ✓ **Precise positioning** during centring ensured by the pilot bit



★★★★
Aerated & porous concrete



★★★★
Aerated concrete



★★★★
Lamina-
ted chip-
board



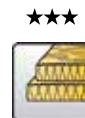
★★★★
Veneer
wood



★★★★
Form-
work



★★★★
Plywood



★★★★
Insu-
lating
materials



Art. 4010159-				
25945 3	25	65	100	1
25946 0	30	65	100	1
25947 7	35	65	100	1
25948 4	40	65	100	1
25987 3	45	65	100	1
25949 1	50	65	100	1
25950 7	60	65	100	1
25988 0	65	65	100	1
25951 4	68	65	100	1
27394 7	74	65	100	1
25952 1	76	65	100	1
26071 8	80	65	100	1
25953 8	82	65	100	1
25954 5	105	65	100	1

SETS



Art. 4010159-		
26029 9	Ø 68, HEX	3
26158 6	Ø 82, SDS-plus	3
26157 9	Ø 68, SDS-plus	3
28535 3	Ø 68, SDS-plus countersink	4
25956 9	Ø 60/68/76/82 HEX	6

COUNTERSINKER



Art. 4010159-			
28469 1	68	-	1

ACCESSORIES



Art. 4010159-	
25958 3	Hex adapter 1
25959 0	SDS-plus adapters 1

PILOT BIT ACCESSORIES



Art. 4010159-			
25957 6	8	62	1



3900 QUICKBIT CERAMICMASTER GLASS & TILE DRILL BITS

The expert for critical material - ideal for glass and tiles.

- ✓ For rotary drilling in glass and soft ceramic materials
- ✓ Pointed centring cutting edge which can be sharpened at any time allows for precise drilling
- ✓ Heller QuickBIT® system: perfectly designed for use with cordless machines
- ✓ Fastest switching between drills and bits
- ✓ 1/4" hexagonal shank prevents the drill bit from slipping into the drill chuck
- ✓ Heller tip: Only deploy for rotary drilling at low speeds

Art. 4010159	mm	mm	Box
50091 3	3	75	1
50092 0	4	75	1
50093 7	5	75	1
50094 4	6	75	1
50095 1	6.5	78	1
26209 5	7	85	1
50096 8	8	85	1
50097 5	10	85	1
50098 2	13	100	1
50099 9	14	100	1



SET

Art. 4010159	mm	Box
24942 3	Ø 4/5/6/8/10	5



★★★★

Glass

★★★★

Plate glass

★★★★

Wall tiles

★★★★

Roofing tiles

★★

Hard fired tiles



3950 CERA EXPERT STONEWARE & ROOFING TILE DRILL BITS

Ideal for the toughest materials.

- ✓ Perfect results in the hardest of tiles, roofing tiles and stoneware
- ✓ **No cooling required** – carbide drill bits suitable for dry use
- ✓ **With tri-edge shank as a rotation stop**
- ✓ **Heller tip:** Do not apply an excessive amount of pressure for centring. Only continue to work with high contact pressure once the drill has penetrated the material Change to concrete drill (e.g. ProXtreme) once the tiles have been fully penetrated. Use rotary drilling, do not use impact



28674 9	5	120	1
28675 6	6	120	1
28676 3	8	125	1
28677 0	10	125	1

MIXED SET CERA EXPERT AND PROXTREME



28813 2	Cera Expert Ø 6/8 ProXtreme Ø 6/8	4
---------	--------------------------------------	---



Hard fired tiles



Granite



Marble



Roofing tiles



Wall tiles



TECHNICAL DETAILS

JIGSAW AND SABRE SAW BLADES

RECOMMENDED APPLICATIONS

Wood & metal processors alike appreciate the advantages provided by Heller jigsaw & sabre saw blades: Many cuts on the construction site or in industrial production can be flexibly produced using a jigsaw or sabre saw blade. Be it to disassemble components or accurately cut plates or profiles made of wood, metal or plastic: for this purpose, jigsaw and

sabre saw blades are ideal. Cuts from plates are possible, as is accurate processing for outside edges. Nowadays saw blades are even used for aerated concrete and tiles.

SHANKS

Jigsaw blades suitable for machines by



AEG, Atlas Copco, Bosch, DeWalt, Elu, Festool, Flex, Hitachi, Holz-Her, Kress, Mafell, Makita, Metabo, Protool

Sabre saw blades suitable for machines by



AEG, Atlas Copco, Black & Decker, Bosch, Elu, Fein, Flex, Hitachi, Makita, Metabo, Milwaukee, Porter Cable, Rems, Rockwell, Roller, Skil

MATERIAL QUALITIES



CV/chrome vanadium steel

Alloyed tool steel for saw soft materials, such as wood, chipboard or plastic.



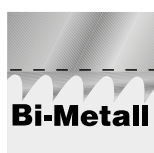
High-speed steel (HSS)

Completely hardened high-performance speed steel to process hard materials, such as metal, aluminium and non-ferrous metals.



Carbide metal teeth

Alloy tool steel with tungsten carbide steel-coated teeth to process abrasive materials, hardwood, glass fibre reinforced plastic or aerated concrete blocks.



Bi-metal

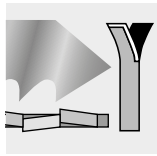
Laser-welded composite of alloy spring steel strip on the rear of the blade and high-performance speed steel in the toothed cutter area. Outstanding cutting properties with twice to ten times the service life and a high resistance to breaking.



Carbide metal granulate

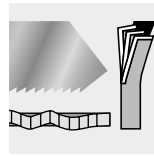
Alloy tool steel with tungsten carbide metal granulate on the saw blade. Especially for abrasive materials as well as glass, ceramics or glass fibre reinforced plastics.

TEETH TYPES



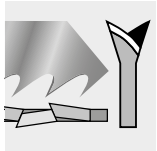
Rip cut teeth

Rough and fast cut to process any types of wood, plastic, non-ferrous metals and aluminium.



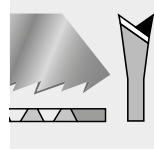
Serrated teeth

Accurate and clean cuts in steel, iron, aluminium and non-ferrous metals.



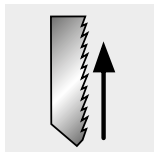
Rip cut, sharpened teeth

Quick and moderately clean cut to process any types of wood and plastic.



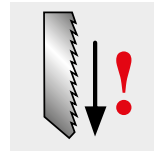
Blade with tapered finish and chamfered teeth

Very clean and accurate cuts in all types of wood and plastics.



Regular teeth (push and pull)

Rough and fast cut to process any types of wood, plastic, non-ferrous metals and aluminium.



Teeth cutting in one direction

For very clean and surface cuts without fragments.



Variable tpi

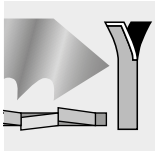
For example 10-14 teeth per inch (tpi). Applicable in wood and metal or wood with metal residue.



"M" teeth

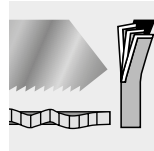
Universally suitable saw blade for almost any material. Quick cuts, up to twice as fast as regular teeth. Up to three times longer service life compared with conventional saw blades.

TIPS & TRICKS



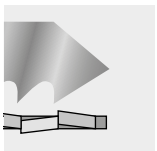
Teeth

We recommend the use of closely positioned teeth in thin materials and the use of large teeth in thick material.



Service life

The targeted use of coolant, such as cutting oil (for steel or metals), turpentine (for aluminium), water (for plastic or Perspex) is necessary to increase the service life and resistance to wear of saw blades.



The correct number of teeth per inch

The tooth geometry and the tpi value, specifying the distance between teeth, determine the development of chips and the sawing progress. 2-3 teeth must be permanently processing the material and this rule of thumb is also used to determine the correct tpi value.

HELLER QUALITY FOR PERMANENTLY OUTSTANDING RESULTS

Heller exclusively uses the best steel grades for tools the company produces. At the same time, the company focuses on accurate processing, evident in properties including the straight guiding of jigsaw and sabre saw blades. After all, all

Heller products contribute to faster and more cost-effective working for traders.



4030 JIGSAW BLADES

Professional jigsaw blades: fast, precise, durable.

- ✓ The right jigsaw blade for any application
- ✓ Available in various materials, tps and cuts for optimal results
- ✓ Matched to all popular machines
- ✓ Superior performance and precise cutting

HCS JIGSAW BLADE

For soft wood and insulating material 2-15 mm



- Length of teeth 50 mm; tooth pitch 2.0 mm
- Serrated
- For fast cutting action

Ref. no.: T119B PU: 5 Art. no.: 24011 6



HCS JIGSAW BLADE

For clean cuts in material 3-30 mm



- Length of teeth 75 mm; tooth pitch 2.5 mm
- Tapered blade, chamfered cut
- For clean, quick cutting

Ref. no.: T101B PU: 5 Art. no.: 24013 0



HCS JIGSAW BLADE

Coarse, quick cuts in material 4-50 mm



- Length of teeth 75 mm; tooth pitch 3.0 mm
- Rip cut
- For fast cutting action

Ref. no.: T111C PU: 5 Art. no.: 24012 3



HCS JIGSAW BLADE

Coarse, quick cuts in material 5-50 mm



- Length of teeth 75 mm; tooth pitch 4.0 mm
- Tapered blade, chamfered cut
- For fast cutting action

Ref. no.: T101D PU: 5 Art. no.: 24014 7



HCS JIGSAW BLADE

Coarse, quick cuts in material 5-50 mm



- Length of teeth 75 mm; tooth pitch 4 mm
- Chamfered blade, rip cut
- For rough, quick cutting

Ref. no.: T144D PU: 5 Art. no.: 24015 4



HCS JIGSAW BLADE

For rough cuts in thick material 8-65 mm



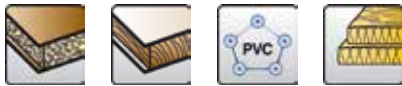
- Length of teeth 105 mm; tooth pitch 4.0 mm
- Chamfered blade, rip cut
- For rough, quick cutting

Ref. no.: T344D PU: 5 Art. no.: 25802 9



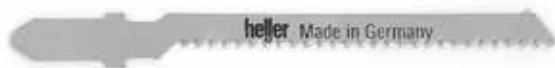
HCS JIGSAW BLADE

Curved saw blade for soft wood and insulating material



- Length of teeth 50 mm; tooth pitch 2.0 mm
- Serrated
- For curved cuts

Ref. no.: T119B0 PU: 5 Art. no.: 24016 1



HCS JIGSAW BLADE

Clean cuts, extra long blade for material 8-65 mm



- Length of teeth 105 mm; tooth pitch 3.0 mm
- Tapered blade, chamfered cut
- For clean cutting

Ref. no.: T301CD PU: 5 Art. no.: 25803 6



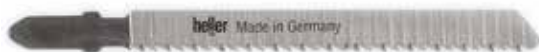
HCS JIGSAW BLADE

Clean cutting edges in material 3-30 mm



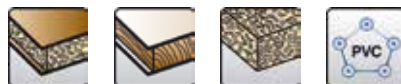
- Length of teeth 75 mm; tooth pitch 2.5 mm
- Tapered blade, chamfered cut
- For clean cuts, push/pull teeth

Ref. no.: T101BR PU: 5 Art. no.: 24017 8



HCS JIGSAW BLADE

Triple ground teeth - very clean and quick in material 5-60 mm



- Length of teeth 91 mm; tooth pitch 2.5 mm
- Tapered blade, chamfered cut
- For clean, quick cutting

Ref. no.: T234X PU: 5 Art. no.: 25804 3



HCS JIGSAW BLADE

Curved saw blade in material 5-50 mm



- Length of teeth 75 mm; tooth pitch 4.0 mm
- Chamfered blade, rip cut
- For quick curved cuts

Ref. no.: T244D PU: 5 Art. no.: 25801 2



HCS SZ JIGSAW BLADE

Extra long saw blade for wood 5-120 mm



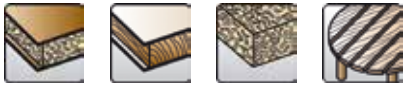
- Length of teeth 155 mm; tooth pitch 4.0 mm
- Extra long, ground, diagonally sharpened
- For rough, quick cutting

Ref. no.: T744D PU: 5 Art. no.: 27634 4



BI-METAL JIGSAW BLADE

Coarse, quick cuts in material 5-50 mm



- Length of teeth 75 mm; tooth pitch 4.0 mm
- Extra long service life
- Chamfered blade, rip cut
- For rough, quick cutting

Ref. no.: T144DF PU: 5 Art. no.: 24019 2



BI-METAL JIGSAW BLADE

Longlife - for quick cuts in sandwich material up to 80 mm



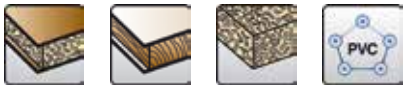
- Length of teeth 105 mm; tooth pitch 2.0 mm
- Serrated
- For fast cutting action

Ref. no.: T318BF PU: 5 Art. no.: 24005 5



BI-METAL JIGSAW BLADE

Longlife - for clean cuts in material 3-30 mm



- Length of teeth 75 mm; tooth pitch 2.5 mm
- Tapered blade, chamfered cut
- For clean, quick cutting

Ref. no.: T101BF PU: 5 Art. no.: 24018 5



BI-METAL JIGSAW BLADE

Longlife - flexible blade for Plexiglas, polycarbonate and aluminium 2-20 mm



- Length of teeth 75 mm; tooth pitch 2.5 mm
- Tapered blade, chamfered cut
- For fast cutting action

Ref. no.: T101A PU: 5 Art. no.: 24006 2



BI-METAL JIGSAW BLADE

Specially suited for laminate 2.5-20 mm



- Length of teeth 60 mm; tooth pitch 1.9 mm
- Chamfered blade
- For clean cuts, push/pull teeth

Ref. no.: T101AIF PU: 5 Art. no.: 25817 3



BI-METAL JIGSAW BLADE

For thin sheet metal manufactured, 1.2-2 mm



- Length of teeth 55 mm; tooth pitch 1.2 mm
- Serrated
- For fast cutting action

Ref. no.: T118AF PU: 5 Art. no.: 24008 6



BI-METAL JIGSAW BLADE

Longlife - flexible blade for steel 1-3 mm



- Length of teeth 105 mm; tooth pitch 1.0 mm
- Serrated
- For fast cutting action

Ref. no.: T318AF PU: 5 Art. no.: 24004 8



BI-METAL JIGSAW BLADE

Longlife - for stainless steel, aluminium



- Length of teeth 55 mm; tooth pitch 2.0 mm
- Serrated
- For fast cutting action

Ref. no.: T118BF PU: 5 Art. no.: 24009 3



BI-METAL JIGSAW BLADE

Particularly suitable for sandwich material



- Length of teeth 155 mm; tooth pitch 1.0 mm
- Serrated
- For fast cutting action

Ref. no.: T718AF PU: 5 Art. no.: 25816 6



HM JIGSAW BLADE

For coarse cuts in material 5-80 mm



- Length of teeth 105 mm; tooth pitch 4.2 mm
- Carbide powdered
- For rough cutting

Ref. no.: T341HM PU: 3 Art. no.: 25800 5



BI-METAL JIGSAW BLADE

Combo teeth for wood with nails and metal



- Length of teeth 75 mm; tooth pitch 1.8-2.5 mm
- Serrated
- For fast cutting action

Ref. no.: T111HF PU: 5 Art. no.: 25818 0



HSS JIGSAW BLADE

Quick, cleanest surface cuts in material 2-20 mm



- Length of teeth 91 mm; tooth pitch 1.9 mm
- Conically ground
- For extremely quick and clean cuts

Ref. no.: T308B PU: 5 Art. no.: 27633 7



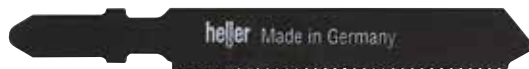
HM JIGSAW BLADE

For non-ferrous metal / stainless steel 2-5 mm



- Length of teeth 50 mm; tooth pitch 1.1 mm
- Carbide teeth
- For fast cutting action

Ref. no.: T118EHM PU: 3 Art. no.: 25805 0



HSS JIGSAW BLADE

For steel, non-ferrous metal and aluminium 2.5-6 mm



- Length of teeth 55 mm; tooth pitch 2.0 mm
- Serrated
- For fast cutting action

Ref. no.: T118B PU: 5 Art. no.: 24002 4



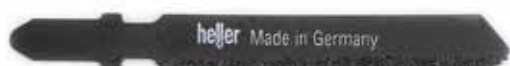
HM JIGSAW BLADE

For tiles, sand lime brick and sheet metal 5-15 mm



- Length of teeth: 54 mm;
- Carbide powdered
- For fast cutting action

Ref. no.: T130Riff PU: 3 Art. no.: 24010 9



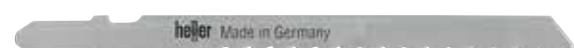
HSS JIGSAW BLADE

For quick cuts in 3-15 mm aluminium and 3-30 mm lime sand brick



- Length of teeth 75 mm; tooth pitch 3.0 mm
- Rip cut
- For fast cutting action

Ref. no.: T127D PU: 5 Art. no.: 24003 1



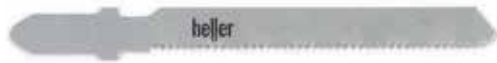
HSS JIGSAW BLADE

For curved cuts in thin sheet metal 1.2 to 2 mm



- Length of teeth 55 mm; tooth pitch 1.2 mm
- Serrated
- For curved cuts

Ref. no.: T218A PU: 5 Art. no.: 24007 9



HSS JIGSAW BLADE

For thin sheet metal 1.2-2 mm



- Length of teeth 55 mm; tooth pitch 1.2 mm
- Serrated
- For fast cutting action

Ref. no.: T118A PU: 5 Art. no.: 24001 7



JIGSAW BLADE SET



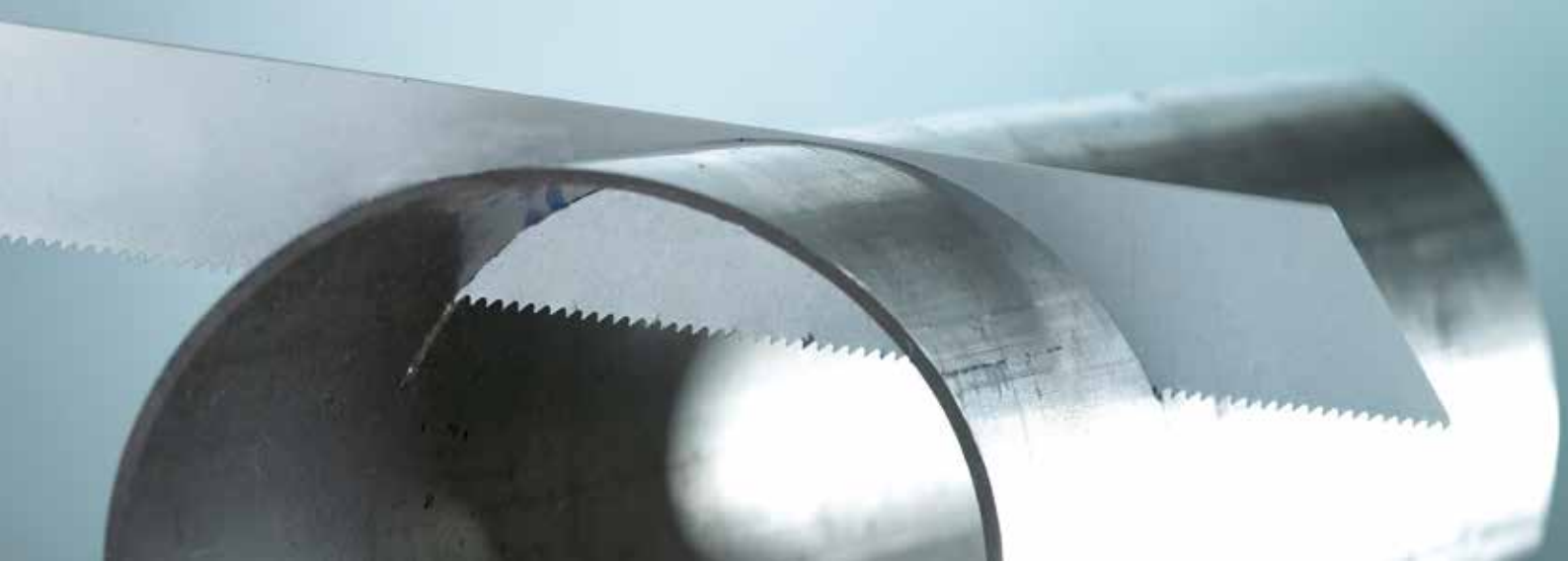
Blade type

Ref. no.

Material



	Blade type	Ref. no.	Material				
27498 2	HCS jigsaw blade	T111C	Wood	75	3,0	1	= 5
	HCS jigsaw blade	T101B	Wood	75	2,5	1	
	HCS jigsaw blade	T149D	Wood	75	4,0	1	
	HSS jigsaw blade	T118A	Metal	55	1,2	1	
	HSS jigsaw blade	T118 B	Metal	55	2,0	1	



4040

SABRE SAW BLADES

Professional sabre saw blades: fast, precise, durable.

- ✓ The right sabre saw blade for any application
- ✓ Available in various materials, TPI and cuts for optimal results
- ✓ Matched to all popular machines
- ✓ Superior performance and precise cutting

HCS SZ SABRE SAW BLADE

For wood and green wood > 175 mm



- Length of teeth 130 mm; 3 teeth per inch
- Rip cut
- For fast cutting action

Ref. no.: S617K PU: 5 Art. no.: 24045 1



HCS SZ SABRE SAW BLADE

For wood, plastic, plasterboard 6-100 mm



- Length of teeth 130 mm; 6 teeth per inch
- Rip cut
- For clean parallel cutting

Ref. no.: S644D PU: 5 Art. no.: 24042 0



HCS SZ SABRE SAW BLADE

For wood, plastic, plasterboard 6-100 mm



- Length of teeth 280 mm; 6 teeth per inch
- Rip cut
- For clean parallel cutting

Ref. no.: S1344D PU: 5 Art. no.: 24046 8



HCS SZ SABRE SAW BLADE

For wood and green wood up to 100 mm



- Length of teeth 280 mm; 3 teeth per inch
- Rip cut
- For fast cutting action

Ref. no.: S1617K PU: 5 Art. no.: 24043 7



HCS SZ SABRE SAW BLADE

Curved saw blade for soft wood and insulating material



- Length of teeth 220 mm; 4-5 teeth per inch
- Rip cut
- For fast parallel cutting

Ref. no.: S1531L PU: 5 Art. no.: 24044 4



BI-METAL WZ SABRE SAW BLADE

Longlife - for sheet metal and steel >1.2 mm



- Length of teeth 80 mm; 24 teeth per inch
- Serrated
- For clean, rough cuts

Ref. no.: S522AF PU: 5 Art. no.: 24047 5



HCS WZ SERRATED

Serrated blade for insulating material



- 280 mm working length
- Special serrated edge
- Enables reliable cutting of insulating material

Ref. no.: S1213AWP PU: 3 Art. no.: 27635 1



BI-METAL WZ SABRE SAW BLADE

Longlife - for sheet metal and steel >1.2 mm



- Length of teeth 130 mm; 24 teeth per inch
- Rip cut
- For clean, rough cuts

Ref. no.: S922AF PU: 5 Art. no.: 24048 2



BI-METAL SZ SABRE SAW BLADE

Longlife - for straight cuts in wood and plastic 6-100 mm



- Length of teeth 130 mm; 6 teeth per inch
- Rip cut
- For clean, quick cutting

Ref. no.: S611DF PU: 5 Art. no.: 25806 7



BI-METAL WZ SABRE SAW BLADE

For disassembly and renovation work in steel >3 mm



- Length of teeth 205 mm; 10 teeth per inch
- Serrated
- For clean, rough cuts

Ref. no.: S1120CF PU: 5 Art. no.: 25809 8



BI-METAL SZ SABRE SAW BLADE

Longlife - for disassembly and renovation work (>100 / <190 mm)



- Length of teeth 205 mm; 6 teeth per inch
- Rip cut
- For clean, rough cuts

Ref. no.: S1110DF PU: 5 Art. no.: 25810 4



BI-METAL WZ SABRE SAW BLADE

Fastest cuts and maximum service life thanks to the M-toothing system



- Length of teeth: 180 mm; "M" teeth
- Rip cut
- For clean, rough parallel cutting

PU: 5 Art. no.: 25814 2



BI-METAL WZ SABRE SAW BLADE

Fastest cuts and maximum service life thanks to the M-toothing system



- Length of teeth: 130 mm; "M" teeth
- Rip cut
- For clean, rough parallel cutting

PU: 5 Art. no.: 25815 9



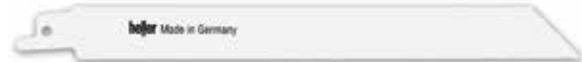
BI-METAL WZ SABRE SAW BLADE

Long-life universal blade for steel, stainless steel and non-ferrous metal 1.5-2.5 mm



- Length of teeth 180 mm; 18 teeth per inch
- Serrated
- For clean, rough cuts

Ref. no.: S1122EF PU: 5 Art. no.: 24039 0



BI-METAL WZ SABRE SAW BLADE

Long-life universal blade for steel, stainless steel and non-ferrous metal 2.5-3.5 mm



- Length of teeth 130 mm; 14 teeth per inch
- Serrated
- For clean, rough cuts

Ref. no.: S922BF PU: 5 Art. no.: 24036 9



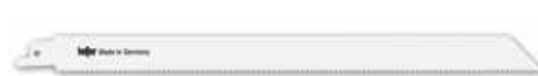
BI-METAL SZ SABRE SAW BLADE

Long-life universal blade for steel, stainless steel and non-ferrous metal 3.5-5 mm



- Length of teeth 260 mm; 10 teeth per inch
- Rip cut
- For clean, rough cuts

Ref. no.: S1211H PU: 5 Art. no.: 24040 6



BI-METAL WZ SABRE SAW BLADE

Long-life universal blade for steel and stainless steel 1.5-2.5 mm



- Length of teeth 130 mm; 18 teeth per inch
- Serrated
- For clean, rough cuts

Ref. no.: S922EF PU: 5 Art. no.: 24037 6



BI-METAL SZ SABRE SAW BLADE

Longlife universal blade for steel, stainless steel and non-ferrous metal 3.5-5 mm



- Length of teeth 130 mm; 10 teeth per inch
- Rip cut
- For clean, rough cuts

Ref. no.: S922HF PU: 5 Art. no.: 24041 3



BI-METAL WZ SABRE SAW BLADE

Long-life universal blade for steel, stainless steel and non-ferrous metal 2.5-3.5 mm



- Length of teeth 180 mm; 14 teeth per inch
- Serrated
- For clean, rough cuts

Ref. no.: S1122BF PU: 5 Art. no.: 24038 3



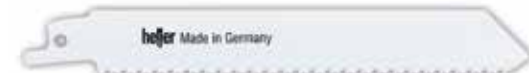
BI-METAL SABRE SAW BLADE

Twincut teeth for enhanced hardness in material 2-10 mm



- Length of teeth 130 mm; 10-14 teeth per inch
- Twincut® toothing, double cut, extra hard
- Excellent service life, good guidance, fast cutting action

PU: 5 Art. no.: 27636 8



BI-METAL SABRE SAW BLADE

Twincut teeth for enhanced hardness in material 2-10 mm



- Length of teeth 205 mm; 10-14 teeth per inch
- Twincut® toothing, double cut, extra hard
- Excellent service life, good guidance, fast cutting action

Ref. no.: S123XF PU: 5 Art. no.: 27637 5



BI-METAL SZ SABRE SAW BLADE

Combo teeth for wood with nails and metal as well as pallets



- Length of teeth 205 mm; 10-14 teeth per inch
- Rip cut
- For fast cutting action

Ref. no.: S1122VF PU: 2 Art. no.: 25808 1



BI-METAL SZ SABRE SAW BLADE

Extra high blade for perfect cutting action in thick materials



- Length of teeth 205 mm; 10-14 teeth per inch
- Height of 25 mm
- High blade for perfect guiding of the cut

Ref. no.: S1136BEF PU: 5 Art. no.: 27640 5



BI-METAL SZ SABRE SAW BLADE

Combo teeth for wood with nails and metal as well as pallets



- Length of teeth 130 mm; 10-14 teeth per inch
- Rip cut
- For fast cutting action

Ref. no.: S922VF PU: 5 Art. no.: 25811 1



BI-METAL SABRE SAW BLADE

Twincut teeth for enhanced hardness in material 2-10 mm



- Length of teeth 260 mm; 10-14 teeth per inch
- Twincut® toothing, double cut, extra hard
- Excellent service life, good guidance, fast cutting action

PU: 5 Art. no.: 28050 1



HM SABRE SAW BLADE

Special blade for stainless steel, glass fibre reinforced plastic, carbon fibre, epoxy, Plexiglas, with carbide teeth



- Length of teeth 95 mm; 18 teeth per inch
- Carbide teeth
- For clean cutting

Ref. no.: S518EHM PU: 2 Art. no.: 25812 8



BI-METAL SZ SABRE SAW BLADE

Combo teeth for wood with nails and metal as well as pallets



- Length of teeth 260 mm; 10-14 teeth per inch
- Rip cut
- For fast cutting action

Ref. no.: S1222VF PU: 5 Art. no.: 25807 4



HM SABRE SAW BLADE

For hardwood, aerated concrete, glass fibre etc.



- Length of teeth 280 mm; 3 teeth per inch
- Teeth set and carbide-tipped
- For fast cutting action

Ref. no.: S1241HM PU: 1 Art. no.: 27639 9



HM SABRE SAW BLADE

Longlife - for cast steel pipes, brick, tiles



- Length of teeth: 210 mm;
- Carbide powdered
- For fast cutting action

Ref. no.: S1130Riff PU: 2 Art. no.: 25813 5



HM SABRE SAW BLADE

Extra high blade for aerated concrete



- Length of teeth 430 mm; 35 teeth
- Teeth set & carbide-tipped
- For fast cutting action

PU: 1 Art. no.: 27638 2



SABRE SAW BLADE SET

Art. 4010159	Blade type	Ref. no.	Material					
27499 9	HCS SZ sabre saw blade	S5644D	Wood	130	6	1	= 5	
	HCS SZ sabre saw blade	S1531L	Wood	220	4-5	1		
	Bi-metal WZ sabre saw blade	S923BF	Metal	130	14	1		
	Bi-metal WZ sabre saw blade	S1122BF	Metal	180	14	1		
	Bi-metal SZ Sabre saw blade	S1136BEF	Universal	205	10-14	1		

SABRE SAW BLADES MULTIPACK

Art. 4010159	Blade type	Ref. no.	Material					
27903 1	Bi-metal sabre saw blade	S922VF	Universal	130	10-14	20		



4000 QUALITY BLADES TOOLS FOR MULTITOOLS

Multitool accessories for oscillating tools to professional quality standards.

- ✓ Available for all popular systems and machines: **UN and SuperCut**
- ✓ **Comprehensive range** for wood, metal, stone and concrete as well as plastics and silicone
- ✓ **Very long service life** thanks to precision workmanship and premium materials

Compatibility UN connection:

Brand | Machine

- Bosch Type GOP 250 CE | GOP SCE Prof
GOP 10.8 V-Li | GOP 300
- Bosch Type PMF 180 | PMF 10.8 Li
PMF 190E | PMF 250 CES
- Einhell. Type BT-MG 180 v Li-ion | BT-MG 220 E
- Fein Multimaster Type FMM 250 Q | AFMM 14
- Ferm Shaper Type OTM 1003 model
- FOT-180 | OTM 1001
- Hitachi CV18DBL(W4)-EX
- Makita Multitool Type BTM40Z, DTM41RMJX3
- MasterCraft
- Metabo MT18LTX
- Milwaukee Multitool. Type C12MT
- Parkside PMFW 280 A2
- Ridgid Jobmax
- Ryobi RMT1801M
- Skill 1150
- Würth Multitool

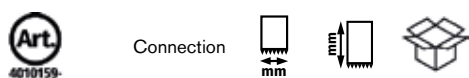
Compatibility SC connection:

Brand | Machine

- Fein SuperCut Type FSC 2.0 | 400 Watt
- Festool OS400 EQ

SAW BLADE WOOD - UNIVERSAL

HCS blade with alternating teeth for wood, plasterboard and plastics.



Art. 4010159	Connection	mm	mm	
28927 6	UN04	34	40	1
28928 3	UN04	34	40	3
28929 0	UN04	34	40	11
28930 6	UN08	65	42	1
28931 3	UN08	65	42	3
28932 0	UN08	65	42	11

SAW BLADE WOOD - SUPERCUT

HCS blade with alternating teeth for wood, plasterboard and plastics.



Art. 4010159	Connection	mm	mm	
28949 8	SC04	34	40	1
28950 4	SC04	34	40	3
28951 1	SC04	34	40	11
28973 3	SC08	65	42	1
28952 8	SC08	65	42	3
28953 5	SC08	65	42	11

SAW BLADE WOOD (PRECISION) - UNIVERSAL

HCS blade with alternating teeth for wood, plasterboard and plastics.



Art. 4010159	Connection	mm	mm	
28933 7	UN06	34	40	1
28934 4	UN06	34	40	3
28935 1	UN06	34	40	11

SAW BLADE WOOD (PRECISION) - SUPERCUT

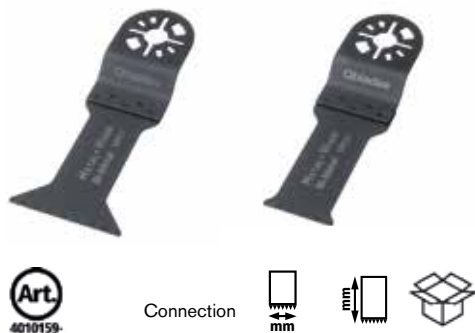
HCS blade with alternating teeth for wood, plasterboard and plastics.



Art. 4010159	Connection	mm	mm	
28974 0	SC06	34	40	1
28954 2	SC06	34	40	3
28955 9	SC06	34	40	11

SAW BLADE WOOD, METAL - UNIVERSAL

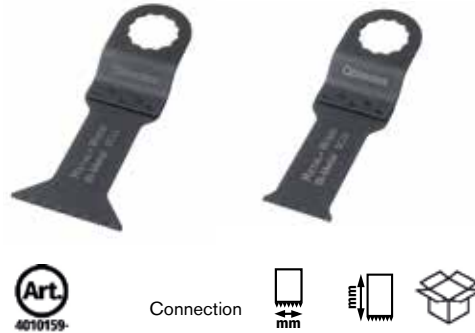
Bi-metal blade for wood, plastics, nails, copper, aluminium and profiles.



Art. 4010159	Connection	mm	mm	
28936 8	UN11	45	60	1
28937 5	UN11	45	60	3
28938 2	UN11	45	60	11
28972 6	UN15	28	60	1
28939 9	UN15	28	40	3
28940 5	UN15	28	40	11

SAW BLADE WOOD, METAL - SUPERCUT

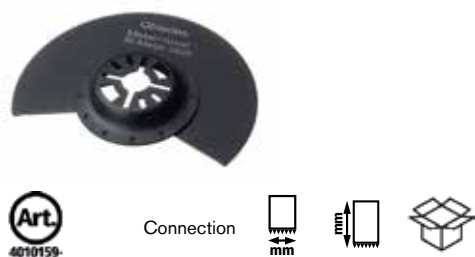
Bi-metal blade for wood, plastics, nails, copper, aluminium and profiles.



Art. 4010159	Connection	mm	mm	
28956 6	SC11	45	60	1
28957 3	SC11	45	60	3
28958 0	SC11	45	60	11
28959 7	SC15	28	60	1
28960 3	SC15	28	60	3
28961 0	SC15	28	60	11

SEGMENT SAW BLADE WOOD, METAL - UNIVERSAL

Bi-metal blade for wood, plastics, nails, copper, aluminium and profiles.



Art. 4010159	Connection	mm		
28941 2	UN20	88		1

SEGMENT SAW BLADE WOOD, METAL

Bi-metal blade for wood, plastics, nails, copper, aluminium and profiles.



Art. 4010159	Connection	mm		
28962 7	SC20	88		1

RASP TRIANGULAR SHAPE CONCRETE, STONE - UNIVERSAL

Carbide file made of bluestone for putty, grout, stone and wood.



RASP TRIANGULAR SHAPE CONCRETE, STONE - SUPERCUT

Carbide file made of bluestone for putty, grout, stone and wood.



SEGMENTED BLADE UNIVERSAL

Diamond tools for fine work, e.g., tiles and masonry.

For removing stubborn paint, glue, carpet, tile adhesive and underbody protection from stainless steel.



SEGMENTED BLADE SUPERCUT

Diamond tools for fine work, e.g., tiles and masonry.

For removing stubborn paint, glue, carpet, tile adhesive and underbody protection from stainless steel.



SEGMENT SAW BLADE SEALS, WOOD, METAL - UNIVERSAL

Particularly good for removing old butylene adhesive. from stainless steel.



Connection



28945 0

UN73

60

1

SEGMENT SAW BLADE SEALS, WOOD, METAL - SUPERCUT

Particularly good for removing old butylene adhesive. from stainless steel.



Connection



28966 5

SC73

60

1

GRINDING PADS, TRIANGULAR SHAPE UNIVERSAL

With hook and loop fastener for use with sandpapers.



Connection



28946 7

UN52

93

1

GRINDING PADS, TRIANGULAR SHAPE SUPERCUT

With hook and loop fastener for use with sandpapers.



Connection



28967 2

SC52

93

1

SAW BLADE SET WOOD - UNIVERSAL



28947 4	UN93	5xUN04- 6xUN06	11
---------	------	-------------------	----

SAW BLADE SET WOOD - SUPERCUT



28968 9	SC93	5xSC04- 6xSC06	11
---------	------	-------------------	----

SAW BLADE SET WOOD METAL - UNIVERSAL



28948 1	UN92	4xUN92	4
---------	------	--------	---

SAW BLADE SET WOOD, METAL - SUPERCUT



28969 6	SC92	4xSC92	4
---------	------	--------	---

SANDPAPER SUPERCUT/UNIVERSAL



28991 7	80	10
28992 4	120	10
28993 1	240	10




4200 UNIVERSAL BITS

Premium bits for professionals.

- ✓ Sets designed for common screw connections
- ✓ Premium S2 quality
- ✓ Ultra-precise tip machining to minimise the cam-out effect and for best possible torque transmission
- ✓ Practical and extremely handy magnet holder
- ✓ Available in a highly attractive and practical mini-box



Article name	Description	
28913 9*	Bit set	32 parts
28914 6*	Bit set	24 parts
28915 3	Bit display	10 sets each (32- & 24-part.)

* Packaging unit 10 sets



MINIBOX EQUIPMENT DETAILS

SET 24

For screw	Size and number of bits
Philips PH	1 x PH1, 1 x PH2, 1 x PH3
Pozidriv PZ	1 x PZ1, 1 x PZ2, 1 x PZ3
Allen hex key	HEX: 4,5,6
Torx Tamper	T10, T15, T20, T25, T30, T40
CrV socket wrench, 6 mm, 7 mm, 8 mm, 10 mm, 11 mm, 13 mm	
1 x 1/4" adapter	
1x 1/4" quick change tool holder, magnetic	
Comfort ratchet	
S2 quality material Length 25 mm 1/4" bits	



SET 32

For screw	Size and number of bits
Philips PH	1 x PH1, 2 x PH2, 1 x PH3
Pozidriv PZ	1 x PZ1, 2 x PZ2, 1 x PZ3
SL slot	3mm, 4mm, 5mm, 6mm
Allen hex key	3,4,5,6
Torx Tamper	T10, T15, T20, T25, T27, T30, T40
Torx TT	TT10, TT15, TT20, TT25, TT27, TT30, TT40
1 x 1/4" adapter	
1 x bit holder	
S2 quality material Length 25 mm 1/4" bits	



MODULES & DISPLAYS TOP SALES SUPPORT

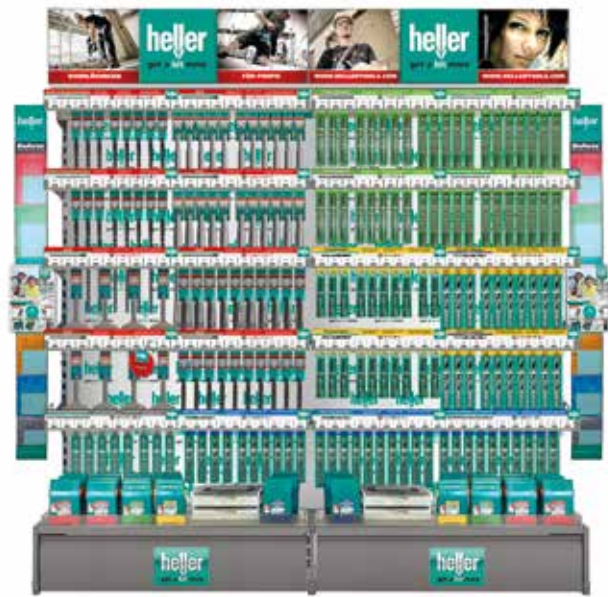
- ✓ Simple sales and self-explanatory presentation thanks to professional Heller shelving systems
- ✓ Best possible orientation thanks to the Heller colour guidance system
- ✓ Individual variants & inventory
- ✓ Optimal product description and use of space
- ✓ Misc. accessories



Attractive, space-saving presentation wall elements with modules



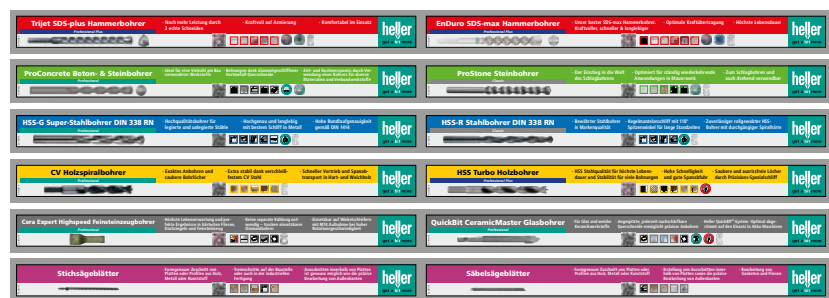
Space-optimised shelf system with variable lengths



Price tags



Communication Panels



For more information, please contact your personal Heller service consultant.



QUALITY MANAGEMENT

HELLER DRILL BITS – DESIGNED FOR THE MOST CHALLENGING APPLICATIONS IN CONCRETE AND MASONRY

Heller drill bits have been optimised for a long service life thanks to computer-aided development programs and extensive practical testing. Heller has high demands in terms of the expected drilling performance and thus sets benchmarks

for impact drill bits. By the time the drill bit drops below the nominal diameter, users will have been able to drill a large number of holes, example Bionic.



Ø (mm)	4	5	6-7	8-9	10-13	14-20	> 20
Service life Heller's commitment (in metres drilled)	5	9	14	24	40	60	120

The following section lists additional aspects for you to verify complaints in the run up to audits by Heller:



Checking of the manufacturer's stamp

Heller drill bits feature the PGM manufacturer numbers 46, 56 or 58. In the event of other codes contact the corresponding manufacturer.



Fracture of the carbide plate

Damage before dropping below the nominal diameter: right to compensation
Damage after having fallen below the nominal diameter: no compensation



Helical fracture

Damage prior to reaching the nominal service life: right to compensation
Damage after having reached the nominal service life: no right to compensation



Deformed shaft

Damaged drill bit caused by faulty chuck – chuck repair required: no compensation



Failure of the carbide plate

The drill bit was used after having fractured the carbide metal plate during drilling in concrete or masonry. Damage prior to reaching the nominal service life: right to compensation
Damage after having reached the nominal service life: no compensation



REPLACEMENTS IN THE EVENT OF COMPLAINTS

Replacements of drill bits subject to complaint are decided by inspecting the helix or shaft wear – measured approximately 5 to 15 mm behind the carbide metal. If the complaint is justified, the drill bit must be replaced according to its service life.



Helical diameter at the narrowest point, measured approximately 5 - 15 mm behind the carbide metal blade

TECHNICAL SERVICE

Please contact your sales representative first for all queries about technical service & quality. Your sales rep will typically be able to help you directly and in an uncomplicated way. In case of more complex technical queries, you will be supported by our quality and application consultants to whom your query will be forwarded.

Phone: +49 (0)4443-9621-35
Fax: +49 (0)4443 9621 - 30
Email: info@hellertools.com

www.hellertools.com



GENERAL TERMS AND CONDITIONS

Excerpt from the terms and conditions of Heller Tools GmbH. The complete terms and conditions are available on our website at: www.hellertools.com.

APPLICABILITY

1. Our shipments and services are provided exclusively under the following conditions.
2. Business terms of the buyer that are not expressly accepted by us shall not apply.

GENERAL PROVISIONS

5. Details and figures of our products that are contained in the brochures and catalogues are subject to changes to the extent that they do not impair the utilisation purpose to an unacceptable extent.

DELIVERY

8. Unless agreed otherwise, the delivery within Germany will take place by parcel service. Outside Germany, the mode of shipment will be governed by the respective individual agreements.

10. The minimum order value per shipment is EUR 100.00 (net, exclusive of value-added tax) for package shipments listed in Section 8. Outside these countries, the respective, individual agreements apply.

13. We will deliver goods of an order value of more than EUR 250.00 (net, exclusive of value-added tax) on a freight prepaid basis. For goods shipments with an order value below EUR 250.00 (net excluding VAT) we charge the following shipping flat rates: net order value excluding VAT: EUR 150.00 to 249.99 shipping flat rate of EUR 5.90; EUR 100.00 to 149.99 shipping flat rate of EUR 8.90; up to EUR 99.99 shipping flat rate of EUR 9.90.

14. As a matter of principle, all kinds of return shipments must be coordinated and must be delivered by the buyer on a freight prepaid basis. In the case of return shipments on a freight collect basis and uncoordinated return shipments, we reserve the right to reject the return shipment and bill the costs we incur. Return shipments without defects will only be accepted in exceptional cases and by agreement, subject to a processing fee of 30 percent of the net goods value.

TERMS AND CONDITIONS OF PAYMENT

16. All invoices to be paid in full within 30 days from invoice date.

19. Payments shall be made as agreed. If the payment deadline is missed, we may charge default interest in the amount that the bank charges us for overdraft facilities, but at least in the amount of 8 percentage points over the respective base interest rate of the European Central Bank.

21. Our sales representatives are not authorised to collect payments.

LIEN

22. The goods delivered by us will remain our property until all claims from the business relationship with the buyer are paid.

25. The buyer proactively assigns all claims and rights from the sale or letting (if the buyer is permitted to do so) of goods to which we hold property rights to us as collateral. We hereby accept the assignment.

DEFECTS OF QUALITY

31. Claims for defects in quality expire after 12 months. This shall not apply if longer periods are prescribed by law.

PLACE OF FULFILMENT, JURISDICTION AND APPLICABLE LAW

43. Unless specified otherwise in the order confirmation, the location of our registered office shall be the place of fulfilment.

44. The courts of Vechta, Germany, shall have jurisdiction over all legal disputes, including bill of exchange and cheque proceedings. We may also file charges at the domicile of the buyer.

45. The contractual relationship shall be governed exclusively by the laws of the Federal Republic of Germany. The UN Convention on Contracts for the International Sale of Goods of 11 April 1980 (CISG) shall not apply.

heller

get a bit more



Heller Tools GmbH

Steinfelder Str. 11
D-49413 Dinklage
Germany

Tel.: +49 (0) 4443 - 9621 - 0
Fax: +49 (0) 4443 - 9621 - 10

info@hellertools.com



www.hellertools.com