

# OUR BEST OFFERS

THE LATEST DEALS FROM HAHN+KOLB



**HAHN+KOLB**  
GROUP



LET'S WORK TOGETHER.



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YOU MOVE MANKIND.

WE HAVE WHAT IT TAKES.

Do you need more than just a hammer, pair of pliers or a screwdriver? We have the full range for you. Machining tools, handling systems and measuring technology. However, we also offer tailor-made system solutions, large and small machinery and complete workshop equipment. In total, more than 60,000 products.

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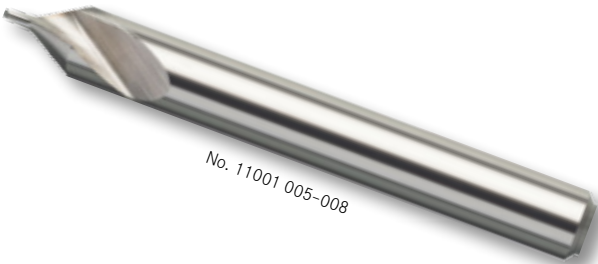
LET'S WORK TOGETHER.



ATORN®

HSS centre drill, form A

FOR UNIVERSAL USE UP TO 1000 N/MM<sup>2</sup>



No. 11001 005-008



No. 11001 010-063

Uncoated design



Spiral-fluted design  
with relief grinding

Robust metal box

Radial relief grinding ensures  
optimum chip breaking

Application:

For centre drilling on conventional and CNC machines.





Design:

- Spiral-fluted design with relief grinding
- Ø 0.5-0.8, ground on one side
- Uncoated design

Set contents: each 1 x 1 mm/

1.6 mm/5 mm; 2 x 2 mm/2.5 mm/4 mm;  
3 x 3.15 mm

11001	Ref. no.	900
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					f steel 700 ●	11001
	mm	mm	mm	mm	mm/r	Ref. no.
0.5		3.15	0.6-0.8	25	0.01	005
0.8		3.15	1-1.2	25	0.02	008
1		3.15	1.3-1.6	31.5	0.02	010
1.25		3.15	1.6-1.9	31.5	0.03	012
1.6		4	2-2.4	30.3	0.03	016
2		5	2.5-2.9	40	0.04	020
2.5		6.3	3.1-3.6	45	0.05	025
3.15		8	3.9-4.4	50	0.05	031
4		10	5-5.6	56	0.06	040
5		12.50	6.3-6.9	63	0.07	050
6.3		16	8-8.6	71	0.08	063

Application	Steel (N/mm <sup>2</sup> )			Stainless steel		Aluminium		Brass		Bronze		Plastics	Graphite/ G(C)FK	GG(G) GJMW	Tita- nium alloy	Nickel alloy	Super alloy	Hard material	
	<700	<1000	<1300	Marten- sitic	Auste- nitic	Short	Long	Short	Long	Short	Long							<55 HRC	<65 HRC
11001	35	20	10	10		50	70	40	30	35	30		10	20					

ATORN®

DIN 338 5xD HSSE U4 type twist drill

WITH FOUR-FACED POLISHED SECTION









Application:

Universal use in all material groups up to a  
strength of 1300 N/mm<sup>2</sup>.

Advantage:

- 4-faced polished section for drilling without centring
- For universal use: tool costs minimised and greater flexibility for the user
- Extremely hard, low-friction, temperature-resistant and form-fitting TiNAlOX coating ensures greater service life

Cutting material				HSSE	HSSE
Surface				Uncoated	TiNAlOX
			f steel 1000 ●	11023	11037
mm	mm	mm	mm/r	Ref. no.	Ref. no.
1	12	34	0.03	081	081
1.1	14	36	0.03	091	091
1.2	16	38	0.03	101	101
1.3	16	38	0.03	111	111
1.4	18	40	0.03	121	121
1.5	18	40	0.03	131	131
1.6	20	43	0.03	141	141
1.7	20	43	0.03	151	151
1.8	22	46	0.03	161	161
1.9	22	46	0.03	171	171
2	24	49	0.03	181	181
2.1	24	49	0.03	192	192
2.2	27	53	0.04	202	202
2.3	27	53	0.04	210	210
2.4	30	57	0.04	220	220
2.5	30	57	0.04	230	230
2.6	30	57	0.04	240	240
2.7	33	61	0.04	250	250
2.8	33	61	0.04	260	260
2.9	33	61	0.04	270	270
3	33	61	0.04	280	280
3.1	36	65	0.04	282	282
3.2	36	65	0.04	286	286
3.3	36	65	0.05	289	289
3.4	39	70	0.05	291	291
3.5	39	70	0.05	293	293
3.6	39	70	0.05	296	296
3.7	39	70	0.06	299	299
3.8	43	75	0.06	302	302
3.9	43	75	0.06	305	305
4	43	75	0.06	310	310
4.1	43	75	0.06	314	314
4.2	43	75	0.07	316	316
4.3	47	80	0.07	319	319
4.4	47	80	0.07	324	324
4.5	47	80	0.07	326	326
4.6	47	80	0.08	329	329
4.7	47	80	0.08	332	332
4.8	52	86	0.08	335	335
4.9	52	86	0.08	337	337
5	52	86	0.08	341	341
5.1	52	86	0.09	344	344
5.2	52	86	0.09	349	349
5.3	52	86	0.09	352	352
5.4	57	93	0.09	355	355
5.5	57	93	0.1	358	358
5.6	57	93	0.1	361	361
5.7	57	93	0.1	364	364
5.8	57	93	0.1	367	367
5.9	57	93	0.1	369	369

Cutting material				HSSE	HSSE
Surface				Uncoated	TiNAlOX
			f steel 1000 ●	11023	11037
mm	mm	mm	mm/r	Ref. no.	Ref. no.
6	57	93	0.11	371	371
6.1	63	101	0.11	373	373
6.2	63	101	0.11	375	375
6.3	63	101	0.11	377	377
6.4	63	101	0.12	379	379
6.5	63	101	0.12	381	381
6.6	63	101	0.12	383	383
6.7	63	101	0.12	385	385
6.8	69	109	0.12	387	387
6.9	69	109	0.13	389	389
7	69	109	0.13	391	391
7.1	69	109	0.13	393	393
7.2	69	109	0.13	396	396
7.3	69	109	0.14	398	398
7.4	69	109	0.14	400	400
7.5	69	109	0.14	402	402
7.6	75	117	0.14	405	405
7.7	75	117	0.14	407	407
7.8	75	117	0.15	409	409
7.9	75	117	0.15	411	411
8	75	117	0.15	414	414
8.1	75	117	0.15	416	416
8.2	75	117	0.15	418	418
8.3	75	117	0.15	420	420
8.4	75	117	0.15	423	423
8.5	75	117	0.15	425	425
8.6	81	125	0.15	427	427
8.7	81	125	0.15	429	429
8.8	81	125	0.16	432	432
8.9	81	125	0.16	434	434
9	81	125	0.16	436	436
9.1	81	125	0.16	438	438
9.2	81	125	0.16	441	441
9.3	81	125	0.16	443	443
9.4	81	125	0.16	445	445
9.5	81	125	0.16	447	447
9.6	87	133	0.16	450	450
9.7	87	133	0.16	452	452
9.8	87	133	0.16	454	454
9.9	87	133	0.16	456	456
10	87	133	0.16	459	459
10.2	87	133	0.16	461	461
10.5	87	133	0.17	466	466
11	94	142	0.17	473	473
11.5	94	142	0.17	480	480
12	101	151	0.18	488	488
12.5	101	151	0.18	494	494
13	101	151	0.18	500	500
13.5	108	160	0.18	-	507
14	108	160	0.19	-	514

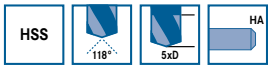
Application	Steel (N/mm <sup>2</sup> )			Stainless steel		Aluminium		Brass		Bronze		Plastics	Graphite/ G(C)FK	GG(G) GJMW	Tita- nium alloy	Nickel alloy	Super alloy	Hard material	
	<700	<1000	<1300	Marten- sitic	Auste- nitic	Short	Long	Short	Long	Short	Long							<55 HRC	<65 HRC
11023-11037	40	20	10	10	8	60	80	70	45	40	30	30	10	30	10	10			





**ATORN® ORION®**

5xD HSS twist drill set  
IN METAL BOX



**Application:**  
Proven standard geometry for universal use in steel, non-ferrous metal and cast iron material groups up to a strength of 1000 N/mm<sup>2</sup>.

**Design:**

- Twist drill with universal standard geometry

**Advantage:**

- Long-term proven cutting geometry: very good all-round properties and precise cutting behaviour
- Steam treatment ensures a good level of adhesion to the drill and increases the service life
- The robust and user-friendly metal box guarantees reliable protection and easy access
- Universal use up to 1000 N/mm<sup>2</sup>

Composition of set	Pitch of the drill Ø	Number of pieces Quantity	ATORN®	ORION®
			Steam-treated HSS N	Steam-treated HSS N
1.0–5.9	0.1 mm	50	11042 Ref. no.	11044 Ref. no.
6.0–10.0	0.1 mm	41	011	–
1.0–10.0	0.5 mm	19	–	021
1.0–10.5	0.5 mm + core drill	24	–	051
1.0–13.0	0.5 mm	25	–	061
1.0–10.0	0.1 mm	91	–	071
			–	081

Application No.	Steel (N/mm <sup>2</sup> )			Stainless steel		Aluminium		Brass		Bronze		Plastics	Graphite/ G(C)FK	GG(G) GJMW	Tita- nium alloy	Nickel alloy	Super alloy	Hard material	
	<700	<1000	<1300	Marten- sitic	Auste- nitic	Short	Long	Short	Long	Short	Long							<55 HRC	<65 HRC
11042–11044	30	20		10		40	60	70	45	40	30	20	10	25					

**ATORN®**

DIN 338 5xD HSSE UNI type multi-twist drill set

THE TROUBLESHOOTER IN STAINLESS STEEL PROCESSING



**Application:**  
The newly developed multi-twist drill has been specifically developed for mobile use on cordless drill screwdrivers and drills. The drill works to optimum effect up to a panel thickness of 5 mm.

**Design:**

- 135° tip angle and optimised centre grinding
- 40° twist angle

**Advantage:**

- Three-faced polished section on the shank
- For optimal power transmission and fixing in the drill chuck
- Slippage is a thing of the past

Composition of set		2.0–8.0		1.0–10.0		1.0–13.0	
Pitch of the drill Ø	mm	1		0.5		0.5	
Number of pieces	Quantity	6		19		25	
11032	Ref. no.	001		002		003	

Application No.	Steel (N/mm <sup>2</sup> )			Stainless steel		Aluminium		Brass		Bronze		Plastics	Graphite/ G(C)FK	GG(G) GJMW	Tita- nium alloy	Nickel alloy	Super alloy	Hard material	
	<700	<1000	<1300	Marten- sitic	Auste- nitic	Short	Long	Short	Long	Short	Long							<55 HRC	<65 HRC
11032	30	20	10	10	10	50	60	50	45	40	30	20	15	30	10	10	10		



**ATORN®**

Drill extractor set for machine tap  
FOR HARDENED STEELS UP TO 63 HRC



**Application:**  
To drill out broken-off screw taps up to a hardness of 63 HRC using bench-type or column-type drills, wet or dry machining

at a rotation speed of 1000–2000 rpm in hand-feed or for wet machining on CNC machines at a rotation speed of 1400–2400 rpm and a feed rate of 0.03 to 0.06 per revolution. The drill bit has a service life of 3 to 5 screw taps.

**Design:**

- Precision-ground drill extractor for solid carbide TiN screw tap with three cutting edges for M3, M4, M5, M6, M8, M10, M12

13521	Ref. no.	300
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**ORION®**

Combi thread bit set

ALL IN ONE OPERATION



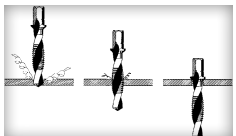
**Application:**  
For producing metric threads (drill, thread, deburr and clean thread in one operation!) for portable use on cordless drill screwdrivers and hand drills in clockwise rotation and anti-clockwise rotation in steel, non-ferrous metals and (cast iron) material groups up to a strength of 700 N/mm<sup>2</sup> up to 1xD thread depth in single-part production.

**Design:**

- Precision-ground, right-hand screw tap set with drill step and ¼" hexagon drive
- HSS for M3, M4, M5, M6, M8, M10
- For high demands on process reliability and service life

**Advantage:**

- High productivity



Tap drilling, thread cutting, deburring.



Composition of set		1 of each combi screw tap bit M3 / M4 / M5 / M6 / M8 / M10
13407	Ref. no.	200

Application No.	Steel (N/mm <sup>2</sup> )			Stainless steel		Aluminium		Brass		Bronze		Plastics	Graphite/ G(C)FK	GG(G) GJMW	Tita- nium alloy	Nickel alloy	Super alloy	Hard material	
	<700	<1000	<1300	Marten- sitic	Auste- nitic	Short	Long	Short	Long	Short	Long							<55 HRC	<65 HRC
13407	●	●				●	●	●	●	●	●	●							

**ATORN®**

HSS hand reamer set

FOR UNIVERSAL USE UP TO 1000 N/MM<sup>2</sup>



Composition of set		Ø	1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10
Tolerance of fit Ø		H7	
Number of pieces	Quantity	19	
11602	Ref. no.	900	

**Application:**  
For producing H7 fit tolerances by hand in the through hole or for interrupted cutting conditions in the material groups of steel, (stainless steel), non-ferrous metals, (cast metal) and (special alloys) up to a strength of 1000 N/mm<sup>2</sup> in individual part production.

**Design:**

- Precision-ground design with 7–8° left-hand spiral
- For highest demands on dimensional accuracy and service life

Application No.	Steel (N/mm <sup>2</sup> )			Stainless steel		Aluminium		Brass		Bronze		Plastics	Graphite/ G(C)FK	GG(G) GJMW	Tita- nium alloy	Nickel alloy	Super alloy	Hard material	
	<700	<1000	<1300	Marten- sitic	Auste- nitic	Short	Long	Short	Long	Short	Long							<55 HRC	<65 HRC
11302	●	●	○	○	○	●	○	●	○	●	○	○		○	○				



Solid carbide end mill sets for steel up to 52 HRC or 65 HRC

4 ROCKTEC 52/65 COATED CUTTERS



**Application:**  
Hard milling tools from ATORN offer you the best conditions for efficient hard machining: with their special form of edge treatment and new coatings, the RockTec 52 and RockTec 65 sets ensure the highest degree of precision, an optimum service life and the perfect level of performance when working with hard materials. Its quality and performance make the ATORN range a reliable tool in all areas of the tool and mould construction.

- Design:**
- Standard design end mill for processing up to 52 HRC and 65 HRC
  - Centre cutting
  - Cutting edge finish
  - HA shaft in line with DIN 6535
  - With clearance
  - 1 x Ø 6/8/10/12 mm in set

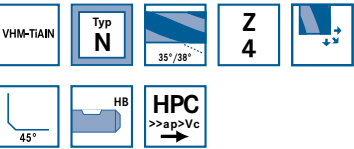
Set contents Ø 6–12 mm	each	1x	1x	1x	1x
Cutting edge Ø	h9 mm	6	8	10	12
Cutting edge length	mm	16	20	22	25
Clearance length	mm	20	30	32	37
Total length	mm	50	64	70	75
Clearance Ø	mm	5.5	7.4	9.2	11
Shaft Ø	h5 mm	6	8	10	12
Feed RT52 – steel < 1000 N/mm²	mm/Z	0.03	0.04	0.05	0.06
Feed RT65 – hardened materials	mm/Z	0.02	0.03	0.04	0.05
10000 RockTec 52 coated set	Ref. no.	630			
10000 RockTec 65 coated set	Ref. no.	631			

Application No.	Steel (N/mm²)			Stainless steel		Aluminium		Brass		Bronze		Plastics	Graphite/G(C)FK	GG(G) GJMW	Titanium alloy	Nickel alloy	Super alloy	Hard material	
	<700	<1000	<1300	Marten-sitic	Auste-nitic	Short	Long	Short	Long	Short	Long							<55 HRC	<65 HRC
10000 630	160	150	120	114	100									130	100	90	80	70	
10000 631		200	180	140												95	140	120	



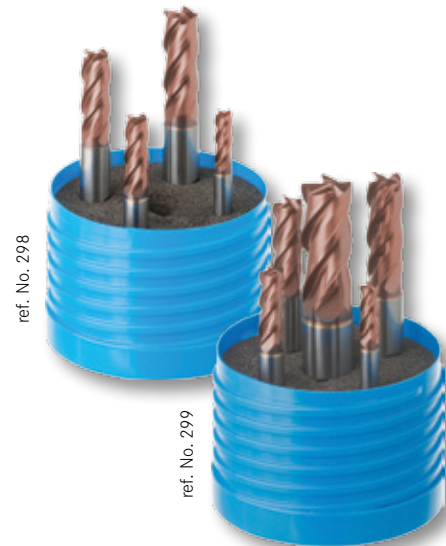
Solid carbide HPC end mill set

WITH EDGE PROTECTION CHAMFER



**Application:**  
HPC end mill set with unequal twist and pitch for universal rough and smooth machining.

- Design:**
- Solid carbide ultra-fine grain, ULTRA coated
  - Straight shank in line with DIN 6535 HB
  - Unequal twist angle of 35°/38°



Set contents Ø 6–12 mm	each	1x	1x	1x	1x
Cutting edge Ø	mm	6	8	10	12
Cutting edge length	mm	13	21	22	26
Clearance length	mm	19	25	30	36
Total length	mm	57	63	72	83
Clearance Ø	mm	5.8	7.7	9.7	11.6
Shaft Ø	mm	6	8	10	12
Feed per tooth – steel < 1000 N/mm²	mm	0.05	0.06	0.07	0.08
16851	Ref. no.	298			

Set contents Ø 6–16 mm	each	1x	1x	1x	1x	1x
Cutting edge Ø	mm	6	8	10	12	16
Cutting edge length	mm	13	21	22	26	36
Clearance length	mm	19	25	30	36	42
Total length	mm	57	63	72	83	92
Clearance Ø	mm	5.8	7.7	9.7	11.6	15.5
Shaft Ø	mm	6	8	10	12	16
Feed per tooth – steel < 1000 N/mm²	mm	0.05	0.06	0.07	0.08	0.12
16851	Ref. no.	299				



Type N extra long solid carbide HPC end mill, 4 cutting edges



- Design:**
- Straight shank in line with DIN 6535 HB
  - Unequal twist angle of 35°/38°
  - With edge protection chamfer
  - Chip breaker on every flute

- Advantages:**
- Optimal suitability for trochoidal cutting
  - With chip breaker geometry for short chips
  - HPC geometry for maximum feed rates and smooth running



Cutting edge Ø	e8 mm	6	8	10	12	16	20
Cutter length l2	mm	18	24	31	41	51	61
Clearance length	mm	24	30	38	46	58	74
Length	mm	62	68	80	93	108	126
Clearance Ø	mm	5.8	7.7	9.7	11.6	15.5	19.5
Shaft Ø	mm	6	8	10	12	16	20
Edge protection chamfer length	mm	0.1	0.2	0.2	0.2	0.2	0.2
Number of cutting edges	Quantity	4	4	4	4	4	4
Feed per tooth – steel < 1000 N/mm²	mm	0.05	0.06	0.07	0.08	0.11	0.13
16851	Ref. no.	284	286	288	290	292	294

Application No.	Steel (N/mm²)			Stainless steel		Aluminium		Brass		Bronze		Plastics	Graphite/G(C)FK	GG(G) GJMW	Titanium alloy	Nickel alloy	Super alloy	Hard material	
	<700	<1000	<1300	Marten-sitic	Auste-nitic	Short	Long	Short	Long	Short	Long							<55 HRC	<65 HRC
16851	230	190	150	120	100			350	300	240	280			160	100	70	70		

Dial gauge very easy to read off

Robust metal housing

**Application:**  
Suitable for defining and setting the workpiece reference points on all 3 axes (X, Y and Z) on all milling machines and machining centres. The workpiece is measured in any direction with the measuring probe until both indicators are at '0'.

- Design:**
- Direct path measurement in Z axis, can be used vertically and horizontally, concentricity can be readjusted via four screws
  - Nominal breaking point on the measuring probe prevents damage to the workpiece or dial gauge
  - IP 67 degree of protection

**Scope of delivery:**  
Incl. No. 23924 004 probe insert



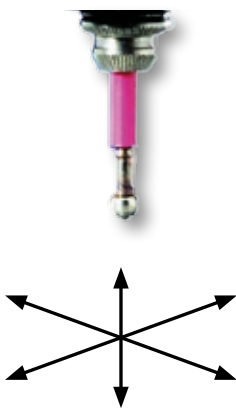
ATORN®

3D edge finder  
WITH DIAL GAUGE



Can be used with all tool and eroding machines

<b>Housing width</b>	mm	65	65
Probe head diameter	mm	4	4
Clamping shaft Ø	mm	20	–
Dial gauge Ø	mm	57	57
Scale interval	mm	0.01	0.01
Probe insert length	mm	33	33
Tool chuck		–	SK 40
Repeat accuracy (+/-)	mm	0.01	0.01
IP degree of protection	IP	67	67
23924	Ref. no.	010	020



ATORN®

Probe insert  
FOR 3-D EDGE FINDER

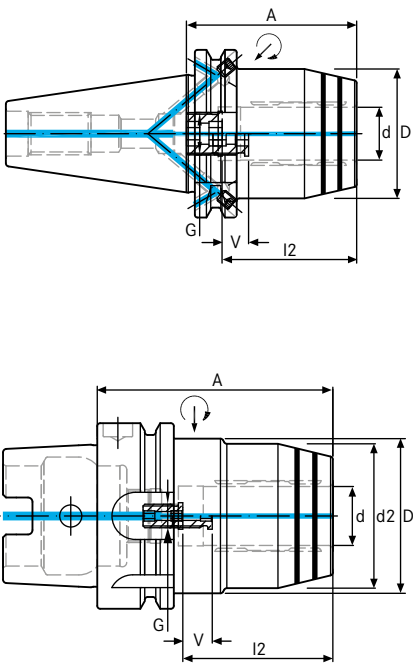
**Application:**  
Replacement probe insert for 3-D edge finder, ref. no. 23924 010-020.

- Design:**
- Nominal breaking point on measuring probe prevents damage to 3-D edge finder.

<b>Probe head Ø</b>	mm	4	8
Probe insert length	mm	33	75
Repeat accuracy (+/-)	mm	0.01	0.01
23924	Ref. no.	004	008



ATORN®



High-performance hydro expansion chuck  
SHORT, HEAVY-DUTY DESIGN



**Application:**  
For high-precision and centric clamping of milling, drilling and reaming tools – particularly with milling and heavy-duty machining during rough machining.

- Design:**
- Axial longitudinal adjustment
  - Reducing sleeves for flexible applications

- Coolant pressure up to 80 bar
- Very high concentricity (< 3 µm)
- Heat-resistant up to 100 °C

**Advantages:**

- Sturdy version ideal for HPC+HSC metal cutting
- Damping properties to increase duration of tools and service life of machine spindle

- Very high torque transfer (Ø 20 = 650 Nm/Ø 32 = 890 Nm)
- All common shanks can be clamped (Ø tolerance h6)
- Vibration-damping effect minimises micro ruptures and improves the surface quality of the tool

<b>Tool chuck</b>		<b>SK 40</b>	<b>SK 50</b>	<b>HSK 63</b>	<b>HSK 100</b>
Clamping Ø d	mm	20	32	20	32
DIN		–	–	69893-1	69893-1
ISO		7388-1	7388-1	–	–
Form		AD/AF	AD/AF	A	A
Projection length A	mm	64.5	72	80	100
External Ø D	mm	49	72	52.5	75
Tapered Ø d2	mm	–	–	49	70
Clamping depth l2	mm	51	61	51	61
23338	Ref. no.	020	032	–	–
23738	Ref. no.	–	–	020	032



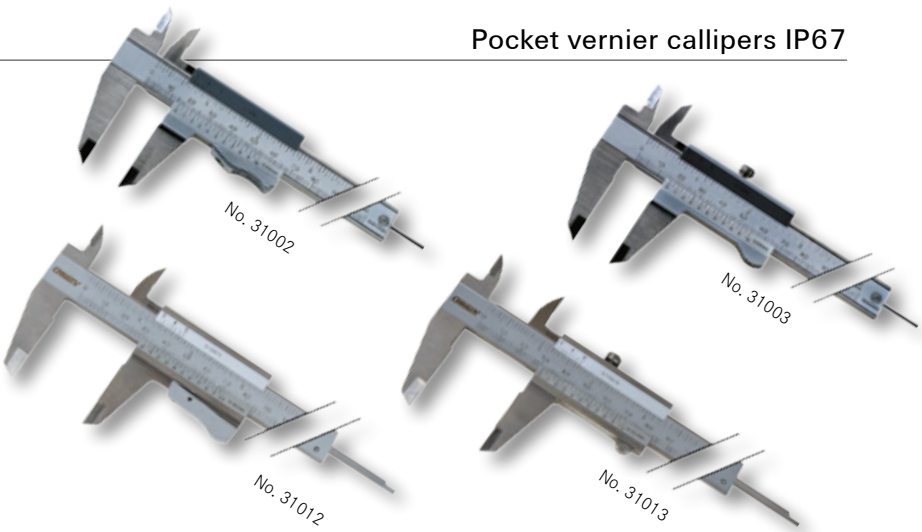


Pocket vernier callipers IP67

**Application:**  
For measuring external, internal, step and depth dimensions.

- Design:**
- Scale and vernier scale with anti-glare, brushed chromium-plated finish
  - Hardened measuring and guidance faces

**Delivery:**  
In case



Min./max. length measuring range mm	Jaw length mm	Vernier scale mm	Vernier scale inch	Depth gauge	Depth gauge rod thickness mm	Locking type	ATORN® With torque clamping	ATORN® With locking screw	ORION® With torque clamping	ORION® With locking screw
							31002 Ref. no.	31003 Ref. no.	31012 Ref. no.	31013 Ref. no.
0-150	40	0.05	1/128	Round	1.5		010	010	-	-
0-100	30	0.05	-	Flat	-		-	005	-	-
0-150	40	0.05	1/128	Flat	-		-	-	010	010

With Keeptronic system

Switched on by the ON button or automatically switched on by calliper movement



Key lock to prevent unintentional adjustment

Particularly energy-saving electronics



IP 67 electronic pocket vernier callipers

BATTERY LIFE UP TO 3 YEARS

- Design:**
- ON/OFF
  - Zero setting at any position
  - mm/inch changeover
  - AUTO OFF
  - ABS function

**Scope of delivery:**  
In a case, with battery (1 x 3 V lithium, type CR 2032)

Min./max. length measuring range	mm	0-150	0-150
Jaw length	mm	40	40
Length of cross tips	mm	16	16
Digit increment	mm	0.01	0.01
Depth gauge		Round	Flat
31173	Ref. no.	202	203



Electronic pocket vernier callipers

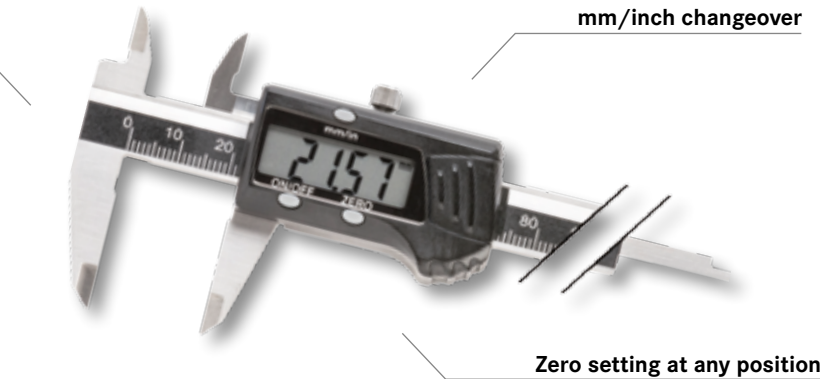
IN A PRACTICAL CASE

**Application:**  
For measuring external, internal, step and depth dimensions.

- Design:**
- ON/OFF
  - Zero setting at any position
  - mm/inch changeover
  - Large digits: height: 11 mm
  - Ref. no. 211-231: AUTO OFF

**Advantage:**  
Ref. no. 231: suitable for marking jobs, with cemented carbide measuring surfaces.

**Scope of delivery:**  
In a case, with battery (1 x type SR 44 1.55 V)



Min./max. length measuring range	mm	0-100	0-150	
Jaw length	mm	30	40	
Length of cross tips	mm	14	16	
Digit increment	mm	0.01	0.01	
Depth gauge		Flat	Flat	
31170	Ref. no.	201	211	231



IP 67 electronic pocket vernier callipers

MM/INCH CHANGEOVER

For depth measurements in smallest drill holes from Ø 2.5 mm

Length: 22 mm



Depth gauge: flat design with narrow probe tip concept

Min./max. length measuring range	mm	0-150	0-200	0-200
Jaw length	mm	40	50	60
Length of cross tips	mm	16	19	21
Digit increment	mm	0.01	0.01	0.01
Depth gauge		Flat	Flat	Flat
31177	Ref. no.	115	120	130

- Design:**
- ON/OFF
  - Zero setting at any position
  - AUTO OFF
  - ABS function

**Scope of delivery:**  
In a case, with battery (1 x 3 V lithium, type CR 2032)





Measuring instrument set  
FOR UNIVERSAL USE

**Design:**  
Pocket vernier callipers 150 mm, micrometer 0–25 mm, scale 200 mm, flat square 100 x 70 mm, hardened straight edge 100 mm, spring divider 125 mm.

**Scope of delivery:**  
In case

31320	Ref. no.	160
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With ratchet



Reading parts are glare free brushed chromium-plated

Carbide-tipped measuring faces



Micrometer and micrometer sets  
WITH SPINDLE CLAMP

Min./max. length measuring range	mm	0–25	25–50	50–75	75–100
Vernier scale	mm	0.01	0.01	0.01	0.01
Measuring surface diameter	mm	6.5	6.5	6.5	6.5
Measuring spindle increments	mm	0.5	0.5	0.5	0.5
Spindle clamping		Yes	Yes	Yes	Yes
31330	Ref. no.	005	025	050	075

**Scope of delivery:**  
**Ref. no. 005:** single device in case;  
**Ref. no. 025–075, 100–150:** in a case, with setting dimensions

Micrometer sets

Min./max. length measuring range	mm	0–100	0–150
Measuring surface Ø	mm	6.5	6.5
Measuring spindle increments	mm	0.5	0.5
Spindle clamping		Yes	Yes
31331	Ref. no.	100	150



Electronic dial gauge with large, high contrast display  
DESIGNED FOR PRODUCTION AND LABORATORY

**Design:**

- Absolute function
- Automatic switch-off
- Preset function
- IP 52 degree of protection
- Reversible counting direction

**Advantages:**

- Key lock to prevent unintentional adjustment
- Switched on using the ON button or automatically switched on by calliper movement

Digit increment	mm	0.01	0.001
Length measuring range	mm	12.5	12.5
Data transmission type		multiCOM	multiCOM
Error limit	µm	20	5
Repeat accuracy	µm	10	2
33167	Ref. no.	110	210

**Scope of delivery:**  
With battery (1 x 3 V lithium type CR 2032)



Electronic dial gauge  
IP 40 DEGREE OF PROTECTION

**Design:**

- Absolute function
- Tolerance value entry

**Advantages:**

- Aluminium housing with sturdy plastic cover
- mm/inch changeover

Digit increment	mm	0.01
Length measuring range	mm	12.5
Error limit	µm	30
Repeat accuracy	µm	10
33168	Ref. no.	010

**Scope of delivery:**  
Calibration certificate, additional back of dial with clamping lug, battery type SR44, in case



Lever gauge probes  
3 DOVETAIL MOUNTING SURFACES

**Advantages:**

- Aluminium housing with sturdy plastic cover
- Metallic outer ring
- Anti-magnetic components
- Measuring mechanism on ruby bearings
- Automatic switching of callipers direction
- Measuring probe with cemented carbide ball

Ø	mm	32	40	32	40
Scale interval	mm	0.01	0.01	0.01	0.01
Ball Ø	mm	2	2	2	2
Length of measuring sensor from centre of ball	mm	16.6	16.6	35.7	35.7
Swivel range measuring probe	Degrees	240	240	240	240
Length measuring range	mm	1	1	0.5	0.5
Measurement force	N	0.15	0.15	0.15	0.15
33310	Ref. no.	010	020	030	040

**Scope of delivery:**  
lever gauge probes, measuring probe with carbide ball, Ø 8 mm clamping shank for mounting on measuring stands, measuring probe key with case







Internal precision measuring instrument

INDIVIDUALLY OR AS A SET

Application:

For measuring bore diameters using the 2-point comparison measuring method.

Design:

- Repeat limit 1 µm
- Fixed measuring pin and moving probe bolt made of hardened steel

Advantage:

Ref. No. 400: very large measuring range is possible.

Scope of delivery:

Ref. no. 018-050: in wooden case (with-out precision pointer)

Measuring pin material		steel		
Min./max. length measuring range	mm	18-35	35-60	50-150
Measuring depth	mm	176	178	178
33518	Ref. no.	018	035	050
33518 Set	Ref. no.	400		



Digital inspection camera

MICRO CA-25™

Application:

For detailed visual inspections at short range.

Design:

- 2.4" colour LCD display with 480 x 234 pixel resolution
- Aluminium camera head with ultra-bright LED illumination
- Flexible camera cable watertight to 3 m

Advantage:

- Live images transmitted to external device via video output
- Digital 180° screen rotation for upright image display

Delivery:

Micro CA-25™, camera head 17 mm with 0.9 m, RCA/cinch cable, attachable tools: mirror, hook and magnet, 4x 1.5 V AA batteries, transport case

Image rotation		360° (2 x 180°)
Field of vision	Degrees	72
Screen size	inch	2.4
External memory on SD card		up to 32 GB
Camera head Ø	mm	17
Number of LEDs	Quantity	4
Cable length	m	0.9
Video output		PAL
41500	Ref. no.	025



Electronic inclinometer

WITH HOLD FUNCTION

Application:

for easy and rapid measurement of inclinations

38600	Ref. no.	010
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Design:

- Display in degrees or percentages
- Arrow in display shows direction of gradient
- Base with narrow V-shaped recess for attachment to shafts
- 1 base with adhesive magnets
- Digit increment 0.1° or 0.1 %
- Error limit 0° and 90° = 0.1° intermediate

dimensions = 0.2°

Advantage:

- Short and compact shape
- Rotating display for overhead measurements

Delivery:

With battery (1 x 3 V lithium type CR2032) and holster



Stereo microscopes

WITH INTERCHANGEABLE LENSES

Application:

For simple viewing of mechanical components, electronic PCBs and for general surface inspections.

Design:

- Interchangeable lenses with 20x and 40x magnification
- Binocular lens barrel with 45° viewing angle
- Eyepieces rotatable by 360°
- Working distance 95 mm
- Halogen incident and transmitted lighting

Advantage:

- 45° viewing angle for convenient and effortless work

Delivery:

Stand, microscope head and holder, eyepieces and eye cups

Eyepiece type		WF 10x/20
Field of view figure		20
Lens tube type		Binoculars
Incident light		Halogen spotlight
41612	Ref. no.	020



MarSurf PS 10 mobile roughness measuring device

WITH REMOVABLE FEED UNIT

Application:

Compact, mobile roughness measuring device for standard roughness measurements in production facilities and measuring rooms.

Design:

- Stylus instrument with feed unit for skid-type probe
- Calibration standard integrated in feed unit
- Roughness parameters in line with DIN ISO, JIS and ASME
- Inductive skid button with 2 µm diamond stylus tip

Advantage:

- Simple and intuitive operation, no training required
- Reliable measurement using automatic cut-off selection (patented)
- Possible to measure in all directions: horizontally, vertically and overhead

Surface roughness measuring range		µm	350
Surface roughness scanning path		mm	1.5/4.8/15
Threshold wave length		mm	0.25/0.8/2.5
Measurement profile memory (number of single readings)	Quantity		500,000
Measurement profile memory (number of profiles)	Quantity		3900
Data transmission type			MarConnect
47100	Ref. no.		020



Laser distance measuring instruments

IN CASE

Application:

For non-contact measurement of lengths, areas and volumes.

Advantage:

- Extensive time and cost savings
- Fast and accurate measurement thanks to the visible laser target point

Delivery:

- Measuring instrument, batteries, operating instructions, protective case

Coverage distance		m	40	100
Measuring accuracy	mm		+/- 2	+/- 2
IP degree of protection			IP 54	IP 54
Laser category			2M	2M
Measuring functions			Continuous measurement / area measurement / volume measurement / length measurement	Continuous measurement/area measurement/ volume measurement/length measurement
With addition/subtraction			Yes	Yes
Space calculation			Yes	Yes
Automatic switch-off			Yes	Yes
Indirect measurement			Yes	Yes
With tripod socket			Yes	Yes
Measured value storage			No	No
Length x width x height	mm		121 x 56 x 28	121 x 56 x 28
Weight	g		150	150
37062	Ref. no.		040	100





Tool trolley

WITH 6 DRAWERS WHICH CAN BE EXTENDED ON BOTH SIDES

6 drawers which can be extended on both sides, protected against falling out

Sturdy steel construction with tabletop made of plastic



25 kg load-bearing capacity per drawer

Drawers with slit strips for dividing with separation sheets

300 kg total load-bearing capacity

Dimensions H x W x D	mm	930 x 605 x 375
Drawers internal dimensions W x D	mm	480 x 325
50278	Ref. no.	510

Suitable accessories

	5-piece non-slip mats set	Divider strip
50278	Ref. no. 512	515

Design:

- Sturdy steel construction with tabletop made of plastic
- 6 drawers which can be extended on both sides, protected against falling out
- Drawers with slit strips for dividing with separation sheets
- Drawer front heights: 4 x 45 mm, 1 x 120 mm, 1 x 210 mm
- 4 ball-bearing wheels, 2 of which can be steered, 1 steering roller can be locked
- RAL 7035, light grey, powder-coated



ref. No. 090  
Working height 850 mm



ref. No. 100  
Working height 970 mm



Wheeled workbenches

WITH HIGH-QUALITY ANKE BEECH TOP

Design:

- Solidly welded sheet steel structure with end-to-end closed rear wall
- Push handlebar on one front side
- Partial extension

- ANKE workbench top panel made of solid beechwood, glued together lengthwise in bars, thickness 40 mm
- With wheel block
- Central locking, cylinder lock

Powder-coated surface:

- Cabinet RAL 7035 light grey
- Fronts RAL 5010, gentian blue

Working height	mm	850	850	970	970
Plate (L x D x T)	mm	1,050 x 650 x 40	1,050 x 650 x 40	1,050 x 650 x 40	1,050 x 650 x 40
Load-bearing capacity	kg	600	600	600	600
Dynamic load-bearing capacity	kg	400	400	400	400
Load-bearing capacity per drawer	kg	100	100	100	100
Drawer front height	mm	90 / 150 / 2 x 180	90 / 150 / 2 x 180	150 / 90 / 180 / 270	150 / 90 / 180 / 270
Draw width (inner dimension)	mm	410	410	940 / 410	940 / 410
Drawer depth (inner dimension)	mm	540	540	540	540
Door right		No	Yes	No	Yes
Number of fixed rollers	Quantity	2	2	2	2
Number of steering rollers	Quantity	2	2	2	2
Material of the wheel		Solid rubber	Solid rubber	Solid rubber	Solid rubber
Wheel diameter	mm	125	125	125	125
50272	Ref. no.	080	090	100	110



Transportgeräte

Robust table trolley

LOAD-BEARING CAPACITY 500-600 KG

Application:

For heavy-duty industrial use.

Design:

- 2 steering rollers, 2 fixed castors
- Alternatively with 2 wheel blocks or Total Stop

Powder-coated surface:

- Brilliant blue RAL 5007

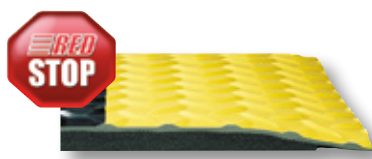
Load-bearing capacity	kg	500	600	600
Load-bearing capacity of upper loading surfaces	kg	200	200	200
Size of loading surface	mm	850 x 500	1000 x 700	1200 x 800
Height of loading surface	mm	228, 860	270, 900	270, 900
Material of the loading surface		Wood	Wood	Wood
Material of the wheel		TPE	TPE	TPE
50268	Ref. no.	526	528	529



Totalstop







With 4 chamfered safety borders

Work mats made from PVC

- Design:**

  - With RedStop™ non-slip backing to prevent mats sliding on smooth floors
  - Non-slip surface R10 to DIN 51130 and BG Rule BGR181
  - Upper surface resistant to most chemicals
  - Temperature-resistant from -20 to +70°C
- Advantages:**

  - Fire safety class Bfl-S1 according to DIN EN 13501-1
  - Material thickness: 14 mm
  - Checker plate design enables easy turning on the spot
- Note:**

Bulk stock up to max. length 22.8 m: we will be happy to cut the desired length to size. Mats which have been cut to size cannot be returned.
- Reduces the occurrence of signs of fatigue over long periods of standing

Colour		Black				Black/yellow			
Length x width	mm	Running metres x 600	Running metres x 910	Running metres x 1220	Running metres x 1520	Running metres x 600	Running metres x 910	Running metres x 1220	Running metres x 1520
50225	Ref. no.	630	631	632	633	634	635	636	637

Work mats made from either natural or nitrile rubber

WITH HOLE STRUCTURE



Ref. No. 150 made of natural rubber



Ref. No. 155 made of nitrile rubber

- Design:**
- Ref. no. 150:** for dry and wet (but not oily) industrial working areas, e. g. on packing tables, workbenches, assembly/laboratory areas or inspection stands.
- Ref. no. 155:** for high durability in wet, oily and industrial environments. highly resistant against oils, greases, chemicals.

- Advantages:**
- Slip prevention R10 in accordance with EN 13552
  - Non-slip – shock-absorbing – fatigue-inhibiting effect – insulating problem-free flow of liquids through special nipple

Length x width	mm	1500 x 900	1500 x 900
Material		Natural rubber	Nitrile rubber
Material thickness	mm	14	14
Colour		Black	Blue
Resistance against		–	Oil / acids / fats / petrol / coolant
Surface structure		perforated/open	perforated/open
Min./max. temperature resistance	°C	-20/+130	-20/+160
Suitable for wet areas		No	Yes
50225	Ref. no.	150	155

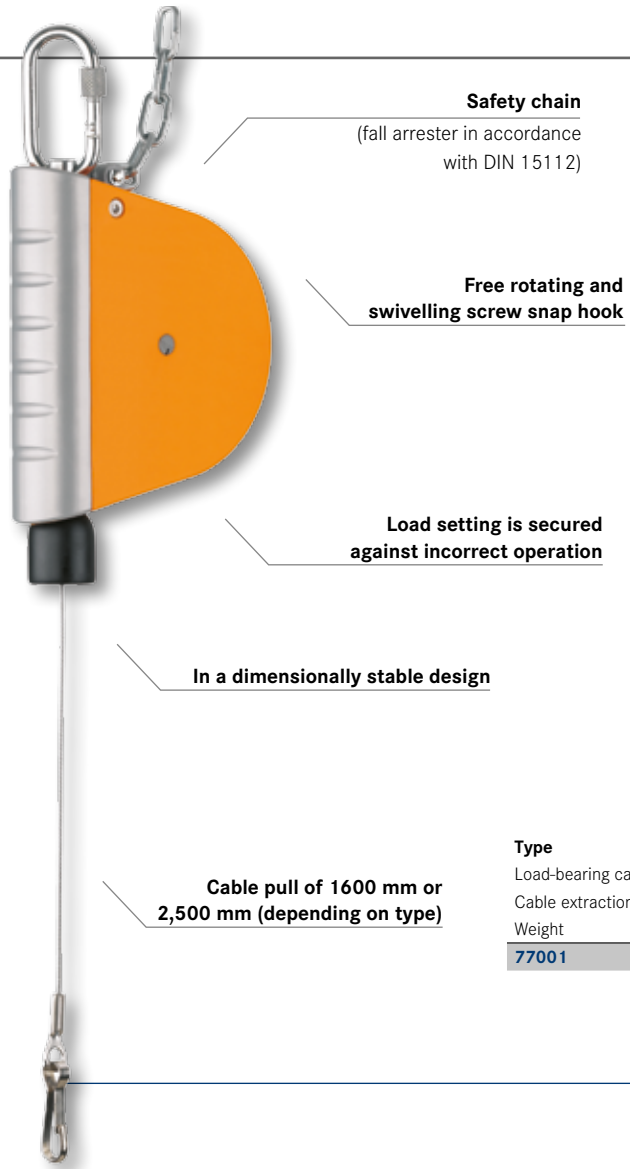
Work mats made of nitrile rubber, dimpled design

FOR A PLEASANT AND SECURE POSITION



- Design:**
- Resistant to most chemicals, fats and oils, therefore can be used in almost all industrial areas
  - Temperature-resistant from -20 to +160 °C
  - With all-round bevelled edges for safe access

Length x width	mm	900 x 600	1,200 x 900
Height	mm	14	14
50225	Ref. no.	500	510



AUTOSTAT Spring balancers (retrievers)

TOOL TO HAND WHENEVER YOU NEED IT

The AUTOSTAT spring balancers facilitate many work processes in assembly and production. The attached work tool is safely withdrawn to the starting position after use and is always ready to hand.

- Design:**
- Housing made of extremely impact-resistant special plastic
  - Cable feed limitation is impact absorbing and adjustable
  - The load is attached via a safe snap hook
- Safety device:**
- Riveted load-bearing spring made from high-strength special steel
  - Insulated suspension, shape-stabilized structure

Type		7200 0800			7211 0800		
Load-bearing capacity	kg	0-0.5	0.3-1.5	1.2-2.5	0.5-2	1.5-3	3-5.5
Cable extraction	mm	1600	1600	1600	2500	2500	1800
Weight	kg	0.4	0.5	0.6	0.8	0.8	0.8
77001	Ref. no.	300	301	302	311	312	313

Permanent NEO lifting magnet  
BESTSELLER FOR OVER 25 YEARS

- Application:**
- For secure lifting of sheet metals, profiles, panels, round- and bar-shaped parts or for loading and unloading machines.

- Design:**
- With 2 longitudinal poles and vee block
  - High-quality neodymium magnetic material
  - Large load lug
  - Delivery with test certificate

- Advantage:**
- Robust, low-maintenance, user-friendly
  - Easy to switch on and off by shifting
  - The hand lever, with safety latch

Load-bearing capacity	kg	150	300	600
Load-bearing capacity for round material	kg	50	125	250
Tear-off weight certified	kg	400	800	1600
For round material Ø min./max.	mm	50-100	60-200	65-270
Suitable for min. sheet thickness	mm	2	4	6
Surface area length	mm	95	151	246
Surface area width	mm	60	100	120
Tare weight	kg	3	10	19
77301	Ref. no.	011	013	015



Cover panel with 3 pockets  
and module plug-in system

Robust aluminium frame with  
edge protection against impact

2 lockable anti-tilt locks  
and combination lock

Hinge cover  
and safety lid support

Removable tool panel  
with 21 pockets

ORION®

Tool case

IN HIGHLY IMPACT-RESISTANT ABS PLASTIC

Design:

- Hinge cover and safety lid support
- Removable tool panel with 21 pockets
- Cover panel with 3 pockets and module plug-in system
- Robust aluminium frame with edge protection against impact
- 2 lockable anti-tilt locks and combination lock
- Adjustable carry belt
- Document compartment in lid

Scope of delivery:  
Without contents

Material		ABS
Internal length x internal width x internal height	mm	430 x 340 x 170
55480	Ref. no.	010



ORION®

Socket wrench set

WITH HEXAGONAL INSERTS, 1/2"

Design:

- Chromium-vanadium steel
- Ratchet with 2-component handle and locking button

Advantage:

- High-quality insertion tools to robust, long-lasting industry-standard specification
- Individual parts are securely stored and transported using clamping function
- Any missing tools are instantly detected thanks to size-related tool recesses

Drive	inch	1/2
Number of pieces		25
Inserts with hexagonal output provided	mm	10 to 32
Long inserts with hexagonal output provided	mm	16, 21
Ratchet	inch	1/2
Extension	mm	125, 250
T-handles	mm	300
Cardan joints	mm	70
58575	Ref. no.	200



ORION®

Socket wrench set  
1/4", 3/8" and 1/2" – 172-piece

IN PLASTIC CASE

Design:

- Chromium-vanadium steel

Advantage:

- High-quality insertion tools to robust, long-lasting industry-standard specification
- Ratchets with 2-component handle and locking button
- Individual parts are securely stored and transported using clamping function
- Any missing tools are instantly detected thanks to size-related tool recesses

Scope of delivery:

1 socket wrench set 1/4", 3/8" and 1/2" in impact-resistant plastic case

58010	Ref. no.	500
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ATORN®

Parallel vice

WITH A REAR OPENING ACTION,  
MADE OF GREY CAST IRON

Jaw width	mm	125
Clamping depth	mm	80
Weight	kg	24
51028	Ref. no.	002

Advantages:

- Excellent clamping precision thanks to long, prismatic precision guide
- Spindle protected from dirt and damage by covering



ATORN®

Slotted & Phillips screwdriver set

WITH WOODEN HANDLE

Design:

- Chromium-vanadium steel blade
- Wooden handle with leather cap
- Continuous blade with hexagonal shoulder

Slot sizes	mm	4.5 / 5.5 / 7 / 9
Number of pieces		6
Output		PH1 / PH2
52730	Ref. no.	800







TORX screwdriver sets

FOR TORX® SCREWS FROM TX10



**Application:**  
For turning safety screws (centre pin in profile).

- Design:**
- Chrome-vanadium/molybdenum steel
  - Fully hardened
  - Brushed chromium-plated
  - Blackened tip
  - 3-component power grip, with large soft area

- Advantage:**
- 3-component power grip with large soft area for comfortable use and effortless work
  - Better accuracy of fit with longer service life

Output		TX8 / TX9 / TX10+P / TX15+P / TX20+P / TX25+P / TX30+P
Surface		Chromium-plated
Number of pieces		7
52144	Ref. no.	904



Machinist's hammer with ash handle

WITH SAFETY RING WEDGE



DIN 1041 hammer head, C45 steel, electro-inductively hardened

Ergonomically shaped ash handle, waterproofed, painted

Polished work surfaces

With safety ring wedge

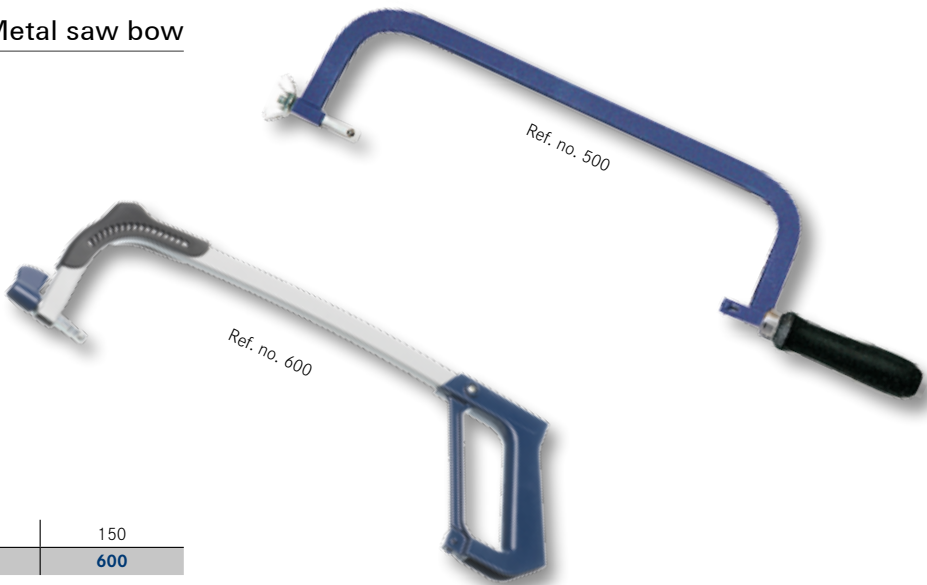
Weight of head kg	Length mm	51180 Ref. no.
0.1	260	500
0.2	280	510
0.3	300	520
0.4	310	530
0.5	320	540
0.6	330	550
0.8	350	560
1	360	570
1.5	380	580
2	400	590



Metal saw bow

- Design:**
- Ref. no. 500**
- Wing clamping nut
  - Solid steel bracket
  - Wooden handle
- Ref. no. 600**
- Aluminium pistol handle
  - Powder-coated
  - Aluminium quick-release nut
  - Plastic hand rest

Suitable for saw blade length	mm	300	150
51845	Ref. no.	500	600



Hexagonal screwdriver set with ball head

5-PIECE

- Design:**
- Hexagonal ball head
  - Chromium-vanadium steel blade
  - Hardened
  - Straight version
- Advantage:**
- ball head enables screws to be tightened at angles of up to 30°
  - 3-component power grip with large soft area for comfortable use and effortless work

Width across flats	mm	3/4 /5 /6 /8
Surface		Chromium-plated
52134	Ref. no.	201



Scraper set

4-PIECE

- Design:**
- Stainless steel blades
  - Can be ground
  - Blade widths: 20/32 mm
  - Blade length: 55/105 mm

- Advantage:**
- Non-slip plastic grip fits perfectly in your hand
  - With stainless steel cap – indestructible

Handle material		Plastic
53704	Ref. no.	500





ATORN® Folding utility knife

- Design:**
- For all standard trapezoidal blades
  - With steel belt clip
- Advantages:**
- Ergonomically shaped aluminium handle
  - Reliable locking of blade when folded out
  - Padded thumb area for highly precise cutting pressure
  - Quick-action lever ensures quick changeover of blades without tools
  - Blade compartment integrated into the handle with 5 spare blades

Blade width	mm	18.7
Length	mm	160
53644	Ref. no.	200



ORION® Utility knife with trapezoidal blades

BLADE AUTOMATICALLY RETRACTS

- Design:**
- Die-cast housing
- Advantages:**
- Safe working processes thanks to automatic blade retraction
  - Ergonomic handle with soft component
  - blades are changed without needing to screw them on

Blade width	mm	18.7
Length	mm	162
53642	Ref. no.	700



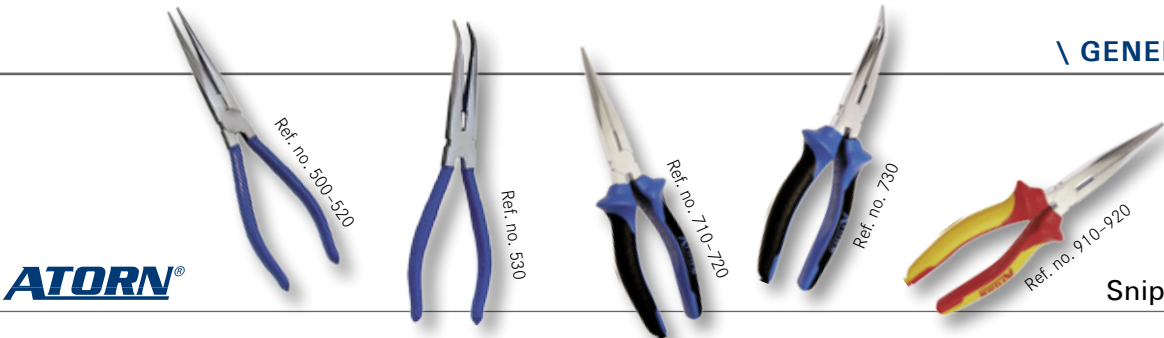
- Application:**
- Ref. no. 010:** for universal cutting of a wide range of materials.
- Ref. no. 020:** to cut and strip PVC cables.

- Design:**
- Ref. no. 010:**
- Rustproof blade with serrated edge
  - Blue plastic grips
  - Blade is locked via pushbutton
  - Blade stopper
- Ref. no. 020:**
- Rustproof blade with two stripping notches
  - Red plastic grips
  - Blade with lock

ATORN® Work knives and electrician's knives

NON-SLIP

Length	mm	190	191
53603	Ref. no.	010	020



Snipe nose pliers

- Application:**
- For gripping, holding and cutting.
- Design:**
- Serrated gripping surfaces
  - Inductively hardened cutting edges for hard and soft wire
- Advantage:**
- **Ref. no. 710-920:** safe, ergonomic and effortless work thanks to 2-component handles

Design	Length mm	Surface	VDE certified	Handle material	53092 Ref. no.
Straight head, flat-round jaws, form A, special tool steel, oil-hardened	140	Plain	No	PVC	500
Straight head, flat-round jaws, form A, special tool steel, oil-hardened	160	Plain	No	PVC	510
Straight head, flat-round jaws, form A, special tool steel, oil-hardened	200	Plain	No	PVC	520
Bent head, flat-round jaws, form B, 45°, special tool steel, oil-hardened	200	Plain	No	PVC	530
Straight head, flat-round jaws, form A, special tool steel, oil-hardened	160	Chromium-plated	No	2-component plastic	710
Straight head, flat-round jaws, form A, special tool steel, oil-hardened	200	Chromium-plated	No	2-component plastic	720
Bent head, flat-round jaws, form B, 45°, special tool steel, oil-hardened	200	Chromium-plated	No	2-component plastic	730
Straight, flat-round jaws, form A, hardened tool steel	160	Chromium-plated	Yes	2-component plastic	910
Straight, flat-round jaws, form A, hardened tool steel	200	Chromium-plated	Yes	2-component plastic	920

ATORN® Circlip pliers

- Application:**
- For mounting and removing inner retaining rings in drill holes.
- Design:**
- Plain surface
- Handle made of PVC
  - Chromium-vanadium steel
  - Polished joint
  - Bronzed tips
  - Straight tips in accordance with DIN 5256 C
- Advantage:**
- hardened and wear-resistant tips for secure holding of the rings

Length mm	Suitable for Ø min./max. mm	Type	Straight head	Type	Head angled 90°
			53136 Ref. no.		53137 Ref. no.
140	8-13	J 0	500	J 01	500
140	12-25	J 1	510	J 11	510
180	19-60	J 2	520	J 21	520
225	40-100	J 3	530	J 31	530
310	85-140	J 4	540	J 41	540

Length mm	Suitable for Ø min./max. mm	Type	Straight head	Type	Head angled 90°
			53145 Ref. no.		53148 Ref. no.
140	3-10	A 0	510	A 01	510
140	10-25	A 1	520	A 11	520
180	19-60	A 2	530	A 21	530
225	40-100	A 3	540	A 31	540
310	85-140	A 4	550	A 41	550







Universal absorbent rolls

PARTICULARLY TEAR-RESISTANT

**Application:**  
For daily use for leaks and drips around the machine, on floors and at workstations.

- Advantages:**
- 8-ply for outstanding tear resistance
  - Ideal for the work place and easy to keep clean and secure
  - Absorbs oils, water, coolants and solvents



Before



After

Design		Medium	Heavy	Light	Heavy	Light	Medium
Length x width	cm	6100 x 61	4600 x 61	9100 x 76	4600 x 76	9100 x 61	6100 x 76
Perforation width x length	cm	25.5 x 30.5	25.5 x 30.5	25.5 x 38	25.5 x 38	25.5 x 30.5	25.5 x 38
Suction volume	I/VPE	128	123	152	152	123	161
Type description		MAT 185	MAT 202-01	MAT 225	MAT 230	MAT 245	MAT 411
69746	Ref. no.	185	202	225	230	245	411



BLUE absorbent socks with fast-acting vermiculite filler

ABSORB LARGE QUANTITIES OF OIL, WATER, COOLANT AND SOLVENT



Before



After

Suction hose Ø x length	cm	8 x 122	8 x 122
Suction volume per hose	L	2.8	2.8
Number per packet	Quantity	20	40
Type description		BLUE 2048	BLUE 4048
69746	Ref. no.	010	020

- Advantages:**
- Can be placed flexibly around machines, corners and in tight spaces
  - Adapt to the floor and form a solid dyke



PIG MAT TABLET® pack with 10 PIG universal absorbent mats

ABSORBS OILS, WATER, COOLANTS AND SOLVENTS

Design		Heavy
Length x width	cm	51 x 36
Suction volume per tablet	L	8.25
Number per packet	Quantity	1
Type description		MAT 127
69746	Ref. no.	280

- Advantages:**
- The easily portable tablet has a pull-up tab for hanging and a sturdy cardboard backing for standing it up
  - Contains 50% recycled material and is therefore particularly environmentally friendly



Hard design – ideal for grinding edges



High removal rate together with durability



Rough grinding discs for steel/cast iron

HIGH REMOVAL RATE WITH LONG SERVICE LIFE

**Application:**  
For deburring, chamfering, fettling and pre/post-machining of welded seams.

Disc Ø x disc thickness	mm	115 x 7	125 x 7	180 x 7	230 x 7
Number of pieces per packet	Quantity	25	25	10	10
76100	Ref. no.	115	125	180	230



**Application:**  
For burr-free cutting of thin-walled pipes, sheet steel and profiles.

- Advantage:**
- Very hard cutting disc for extremely short cutting times
  - Extremely short cutting times



Cutting discs for steel

EXTRA THIN

Disc Ø x disc thickness	mm	115 x 1	125 x 1	180 x 1.5	230 x 1.9
Form		41 (straight)	41 (straight)	41 (straight)	41 (straight)
Number of pieces per packet	Quantity	50	50	25	25
76109	Ref. no.	115	125	180	230



Cutting discs for INOX

IRON AND SULPHUR FREE

Disc Ø x disc thickness	mm	115 x 1	125 x 1	180 x 1.5	230 x 1.9
Form		41 (straight)	41 (straight)	41 (straight)	41 (straight)
Number of pieces per packet	Quantity	50	50	25	25
76115	Ref. no.	115	125	180	230







## FOR ALL KINDS OF LEVERAGE WORK

Non-slip plastic grip  
fits perfectly in your hand

With impact-resistant specification

Angled blades

**ORION®**

Lever bar set

**4-PIECE**

### Design:

- Angled blades
- Lever bar lengths: 200, 300, 450, 600 mm

### Advantage:

- Non-slip plastic grip fits perfectly in your hand
- With impact-resistant grip – indestructible and robust in application

Handle material	mm	Plastic
55617	Ref. no.	010

**HAHN+KOLB**  
GROUP



LET'S WORK TOGETHER.

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