

assortment informations new products

11.2021 EN

Tools. Next Level.



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194719 Wire Micrometer MITUTOYO

Series 147 - Wire Micrometer special designed for accurate measurements wire thickness. Can also be used to measure the diameter of small balls.

Package contents:
Delivered in case incl. adjusting wrench.

Order ID	194719.0100	
Range	mm	0...10
Resolution	mm	0.01
Accuracy	µm	3
Measuring spindle Ø	mm	6.35
Spindle pitch	mm	0.5



194721 Dial Indicator Depth Gauge MITUTOYO

Dial indicator with hardened, precision ground and micro-lapped reference face on its base.

Package contents:
Delivered in transport packaging.

Order ID	Range mm	Resolution mm	Accuracy µm	Travel mm	Measuring pressure N	Support base mm
194721.0100	10	0.1	15	10	1.4	Ø 16
194721.0200	10	0.1	15	10	1.4	Ø 25
194721.0300	10	0.1	15	10	1.4	Ø 40





194721.0100 194721.0300


216311 HSS shoulder/ slot milling cutters NERIOX

HSS-E
Co8


Ø
2-20


40°


e8


h6


DIN
844K







2



P

M

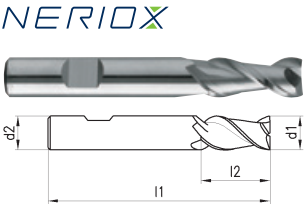
K

N

S

H

O




Type W


Order ID	d1 mm	l2 mm	l1 mm	d2 mm
216311.0100	2	7	51	6
216311.0200	2,5	8	52	6
216311.0300	3	8	52	6
216311.0400	3,5	10	54	6
216311.0500	4	11	55	6
216311.0600	4,5	11	55	6
216311.0700	5	13	57	6
216311.0800	5,5	13	57	6
216311.0900	6	13	57	6
216311.1000	6,5	16	66	10
216311.1100	7	16	66	10
216311.1200	8	19	69	10
216311.1300	8,5	19	69	10
216311.1400	9	19	69	10
216311.1500	10	22	72	10
216311.1600	12	26	83	12
216311.1700	14	26	83	12
216311.1800	16	32	92	16
216311.1900	18	32	92	16
216311.2000	20	38	104	20


216321 HSS shoulder/ slot milling cutters NERIOX

HSS-E
Co8


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2-20


40°


e8


h6


DIN
844







2



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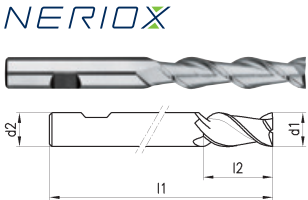
K

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Order ID	d1 mm	l2 mm	l1 mm	d2 mm
216321.0100	2	10	54	6
216321.0200	3	12	56	6
216321.0300	4	19	63	6
216321.0400	5	24	68	6
216321.0500	6	24	68	6
216321.0600	7	30	80	10
216321.0700	8	38	88	10
216321.0800	10	45	95	10
216321.0900	12	53	110	12
216321.1000	14	53	110	12
216321.1100	16	63	123	16
216321.1200	20	75	141	20


216341 <STEPREF A="Attr_7193" O="P_168016869" OT="Product" VC="English_CH (All)" VO="48889481" W="Main" />


HSS-E
Co5


Ø
3-12


30°


k12


h6










1



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Order ID	d1 mm	l2 mm	l1 mm	d2 mm
216341.0100	3	12	60	8
216341.0200	4	12	60	8
216341.0300	5	14	60	8
216341.0400	6	14	60	8
216341.0500	7	14	60	8
216341.0600	8	14	80	8
216341.0700	9	14	80	8
216341.0800	10	14	80	8
216341.0900	12	14	80	8


224290 Solid carbide milling drill bit 90° FUTURO


VHM

Ø
3-16


Coated

30°


h9/d9

h6

DIN
6535



2



P

M

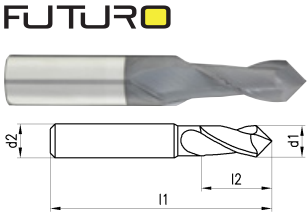
K

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Right-cutting, lateral tooth thickness: 0.1 x d1
Application
For V-groove cutting, engraving, chamfering, boring, countersinking and drilling.

Order ID	d1 mm	l2 mm	d2 mm	l1 mm
224290.0100	3.0	6	4	50
224290.0200	4.0	8	5	50
224290.0300	5.0	10	6	50
224290.0400	6.0	12	8	60
224290.0500	8.0	16	10	70
224290.0600	10.0	18	12	70
224290.0700	12.0	20	12	70
224290.0800	16.0	26	16	80

224500 SC shoulder/ slot milling cutters WALTER PROTOTYP

MC230 Advance Xill-tec™

VHM

Ø

2-20

TiAlN

35°/38°

h10

h5

DIN 6527L

4

P

M

K

N

S

H

O

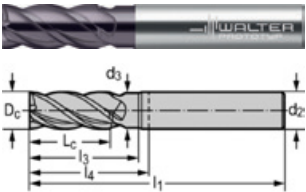
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Order ID	Dc mm	Lc mm	l3 mm	d2 mm	l4 mm	l1 mm	d3 mm
224500.0100	2	7	11	6	21	57	1.9
224500.0200	2.5	8	12	6	21	57	2.4
224500.0300	3	8	12	6	21	57	2.9
224500.0400	3.5	10	15	6	21	57	3.3
224500.0500	4	11	15	6	21	57	3.8
224500.0600	4.5	11	18	6	21	57	4.3
224500.0700	5	13	18	6	21	57	4.8
224500.0800	5.5	13	19	6	21	57	5.2
224500.0900	6	13	19	6	21	57	5.7
224500.1000	6.5	16	25	8	27	63	6.2
224500.1100	7	16	25	8	27	63	6.7
224500.1200	8	19	25	8	27	72	7.6
224500.1300	9	19	30	10	32	72	8.6
224500.1400	10	22	30	10	32	83	9.5
224500.1500	12	26	36	12	38	83	11.4
224500.1600	14	26	36	14	38	92	13.3
224500.1700	16	32	42	16	44	92	15.2
224500.1800	18	32	42	18	44	92	17.1
224500.1900	20	38	52	20	54	104	19

224501 SC shoulder/ slot milling cutters WALTER PROTOTYP

MC230 Advance Xill-tec™

VHM

Ø

2-25

TiAlN

35°/38°

h10

h5

DIN 6527L

4

P

M

K

N

S

H

O

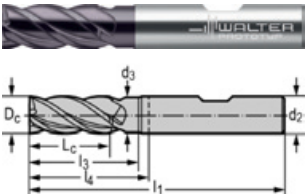
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Order ID	Dc mm	Lc mm	l3 mm	d2 mm	l4 mm	l1 mm	d3 mm
224501.0100	2	7	11	6	21	57	1.9
224501.0200	2.5	8	12	6	21	57	2.4
224501.0300	3	8	12	6	21	57	2.9
224501.0400	4	11	15	6	21	57	3.8
224501.0500	5	13	18	6	21	57	4.8
224501.0600	6	13	19	6	21	57	5.7
224501.0700	7	16	25	8	27	63	6.7
224501.0800	8	19	25	8	27	63	7.6
224501.0900	9	19	30	10	32	72	8.6
224501.1000	10	22	30	10	32	72	9.5
224501.1100	12	26	36	12	38	83	11.4
224501.1200	14	26	36	14	38	83	13.3
224501.1300	16	32	42	16	44	92	15.2
224501.1400	18	32	42	18	44	92	17.1
224501.1500	20	38	52	20	54	104	19
224501.1600	25	45	63	25	65	121	23.8


224502 SC shoulder/ slot milling cutters WALTER PROTOTYP


MC230 Advance Xill-tec™


VHM

\varnothing
2-20


TiAlN



35°/38°



h10



h5


DIN
6527L






4


4



P

M

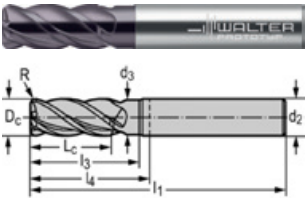
K

N

S









H

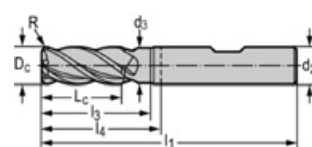
O












Order ID	Dc mm	r mm	Lc mm	l3 mm	d2 mm	l4 mm	l1 mm	d3 mm
224502.0010	2	0.2	7	11	6	21	57	1.9
224502.0020	3	0.3	8	12	6	21	57	2.9
224502.0030	3	0.5	8	12	6	21	57	2.9
224502.0040	4	0.2	11	15	6	21	57	3.8
224502.0050	4	0.5	11	15	6	21	57	3.8
224502.0060	5	0.5	13	18	6	21	57	4.8
224502.0070	5	1	13	18	6	21	57	4.8
224502.0080	6	0.5	13	19	6	21	57	5.7
224502.0090	6	0.8	13	19	6	21	57	5.7
224502.0100	6	1	13	19	6	21	57	5.7
224502.0110	8	0.5	19	25	8	27	63	7.6
224502.0120	8	0.8	19	25	8	27	63	7.6
224502.0130	8	1	19	25	8	27	63	7.6
224502.0140	8	1.5	19	25	8	27	63	7.6
224502.0150	8	2	19	25	8	27	63	7.6
224502.0160	10	0.5	22	30	10	32	72	9.5
224502.0170	10	0.8	22	30	10	32	72	9.5
224502.0180	10	1	22	30	10	32	72	9.5
224502.0190	10	1.5	22	30	10	32	72	9.5
224502.0200	10	2	22	30	10	32	72	9.5
224502.0210	12	0.5	26	36	12	38	83	11.4
224502.0220	12	0.8	26	36	12	38	83	11.4
224502.0230	12	1	26	36	12	38	83	11.4
224502.0240	12	1.5	26	36	12	38	83	11.4
224502.0250	12	2	26	36	12	38	83	11.4
224502.0260	12	2.5	26	36	12	38	83	11.4
224502.0270	12	3	26	36	12	38	83	11.4
224502.0280	16	0.5	32	42	16	44	92	15.2
224502.0290	16	1	32	42	16	44	92	15.2
224502.0300	16	2	32	42	16	44	92	15.2
224502.0310	16	2.5	32	42	16	44	92	15.2
224502.0320	16	3	32	42	16	44	92	15.2
224502.0330	16	4	32	42	16	44	92	15.2
224502.0340	20	0.5	38	52	20	54	104	19
224502.0350	20	1	38	52	20	54	104	19
224502.0360	20	2	38	52	20	54	104	19
224502.0370	20	2.5	38	52	20	54	104	19
224502.0380	20	3	38	52	20	54	104	19
224502.0390	20	4	38	52	20	54	104	19

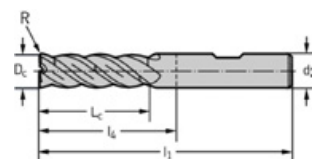


VHM	Ø 5-25	TiAlN	 35°/38°	 h10	 h5	DIN 6527L		
	 4							
	P	M	K	N	S	H	O	
	● ●	○	○	○	○			



Order ID	Dc mm	r mm	Lc mm	l3 mm	d2 mm	l4 mm	l1 mm	d3 mm
224503.0010	5	0.5	13	18	6	21	57	4.8
224503.0020	6	0.5	13	19	6	21	57	5.7
224503.0030	6	0.8	13	19	6	21	57	5.7
224503.0040	6	1	13	19	6	21	57	5.7
224503.0050	8	0.5	19	25	8	27	63	7.6
224503.0060	8	0.8	19	25	8	27	63	7.6
224503.0070	8	1	19	25	8	27	63	7.6
224503.0080	8	1.5	19	25	8	27	63	7.6
224503.0090	8	2	19	25	8	27	63	7.6
224503.0100	10	0.5	22	30	10	32	72	9.5
224503.0110	10	0.8	22	30	10	32	72	9.5
224503.0120	10	1	22	30	10	32	72	9.5
224503.0130	10	1.5	22	30	10	32	72	9.5
224503.0140	10	2	22	30	10	32	72	9.5
224503.0150	12	0.5	26	36	12	38	83	11.4
224503.0160	12	0.8	26	36	12	38	83	11.4
224503.0170	12	1	26	36	12	38	83	11.4
224503.0180	12	1.5	26	36	12	38	83	11.4
224503.0190	12	2	26	36	12	38	83	11.4
224503.0200	12	2.5	26	36	12	38	83	11.4
224503.0210	12	3	26	36	12	38	83	11.4
224503.0220	16	0.5	32	42	16	44	92	15.2
224503.0230	16	1	32	42	16	44	92	15.2
224503.0240	16	2	32	42	16	44	92	15.2
224503.0250	16	2.5	32	42	16	44	92	15.2
224503.0260	16	3	32	42	16	44	92	15.2
224503.0270	16	4	32	42	16	44	92	15.2
224503.0280	20	0.5	38	52	20	54	104	19
224503.0290	20	1	38	52	20	54	104	19
224503.0300	20	2	38	52	20	54	104	19
224503.0310	20	2.5	38	52	20	54	104	19
224503.0320	20	3	38	52	20	54	104	19
224503.0330	20	4	38	52	20	54	104	19
224503.0340	25	1	45	63	25	65	121	23.8
224503.0350	25	2	45	63	25	65	121	23.8
224503.0360	25	3	45	63	25	65	121	23.8
224503.0370	25	4	45	63	25	65	121	23.8

VHM	Ø 6-20	Coated	 35°	 h10	 h6	 NORM		
 5-6								
		P	M ● ●	K	N ○	S ○	H	O



Application:
Specially designed for the dynamic milling strategy.

Order ID	Dc mm	r mm	Lc mm	d2 mm	l1 mm	l4 mm	teeth
224505.0100	6	0.3	19	6	65	29	5
224505.0200	8	0.4	25	8	68	32	5
224505.0300	10	0.5	32	10	80	40	5
224505.0400	12	0.6	38	12	93	48	5
224505.0500	16	0.8	50	16	115	62	6
224505.0600	20	1	63	20	125	75	6


224506 SC shoulder milling cutter WALTER PROTOTYP


MD133 Supreme, 3xD


VHM


Ø
6-20


Coated



35°



h10



h6


NORM






5-6



P

M

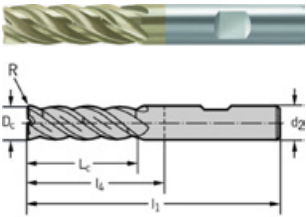
K

N

S

H

O



Application
Specially designed for the dynamic milling strategy.

Order ID	Dc mm	r mm	Lc mm	d2 mm	l1 mm	l4 mm	teeth
224506.0100	6	0.3	19	6	65	29	5
224506.0200	8	0.4	25	8	68	32	5
224506.0300	10	0.5	32	10	80	40	5
224506.0400	12	0.6	38	12	93	48	5
224506.0500	16	0.8	50	16	115	62	6
224506.0600	20	1	63	20	125	75	6


224507 SC shoulder milling cutter WALTER PROTOTYP


MD133 Supreme


VHM


Ø
6-20


Coated



35°



h10



h6


NORM






5-6



P

M

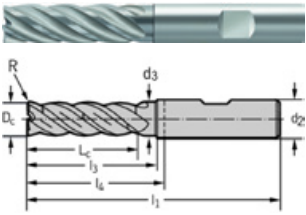
K

N

S

H

O



Application
Specially designed for the dynamic milling strategy.

Order ID	Dc mm	r mm	Lc mm	d2 mm	l1 mm	l3 mm	l4 mm	d3 mm	teeth
224507.0100	6	0.3	19	6	65	27	29	5,5	5
224507.0200	8	0.4	25	8	68	30	32	7,5	5
224507.0300	10	0.5	32	10	80	38	40	9,5	5
224507.0400	12	0.6	38	12	93	46	48	11,4	5
224507.0500	16	0.8	50	16	115	60	62	15,2	6
224507.0600	20	1	63	20	125	73	75	19	6


224508 SC shoulder milling cutter WALTER PROTOTYP


MD133 Supreme


VHM


Ø
6-20


Coated



35°



h10



h6


NORM






5-6



P

M

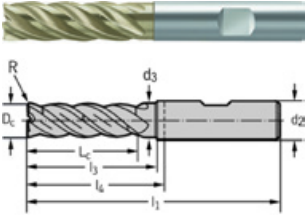
K

N

S

H

O



Application
Specially designed for the dynamic milling strategy.

Order ID	Dc mm	r mm	Lc mm	d2 mm	l1 mm	l3 mm	l4 mm	d3 mm	teeth
224508.0100	6	0.3	19	6	65	27	29	5,5	5
224508.0200	8	0.4	25	8	68	30	32	7,5	5
224508.0300	10	0.5	32	10	80	38	40	9,5	5
224508.0400	12	0.6	38	12	93	46	48	11,4	5
224508.0500	16	0.8	50	16	115	60	62	15,2	6
224508.0600	20	1	63	20	125	73	75	19	6


224509 SC shoulder milling cutter WALTER PROTOTYP


MD133 Supreme


VHM


\varnothing
6-20


Coated



35°



h10



h6


NORM






5-6



P

M

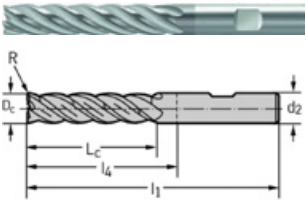
K

N

S

H

O



Application

Specially designed for the dynamic milling strategy.

Order ID	Dc mm	r mm	Lc mm	d2 mm	l1 mm	l4 mm	teeth
224509.0100	6	0.3	31	6	80	40	5
224509.0200	8	0.4	41	8	87	51	5
224509.0300	10	0.5	52	10	100	60	5
224509.0400	12	0.6	62	12	116	71	5
224509.0500	16	0.8	82	16	141	93	6
224509.0600	20	1	103	20	165	115	6


224510 SC shoulder milling cutter WALTER PROTOTYP


MD133 Supreme


VHM


\varnothing
6-20


Coated



35°



h10



h6


NORM






5-6



P

M

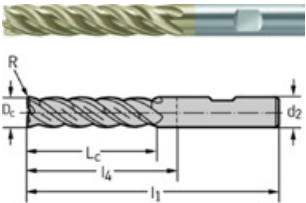
K

N

S

H

O



Application

Specially designed for the dynamic milling strategy.


Order ID	Dc mm	r mm	Lc mm	d2 mm	l1 mm	l4 mm	teeth
224510.0100	6	0.3	31	6	80	40	5
224510.0200	8	0.4	41	8	87	51	5
224510.0300	10	0.5	52	10	100	60	5
224510.0400	12	0.6	62	12	116	71	5
224510.0500	16	0.8	82	16	141	93	6
224510.0600	20	1	103	20	165	115	6


227031 SC shoulder milling cutter FUTURO


VHM


\varnothing
4-12


Coated



45°


NORM






4-6



P

M

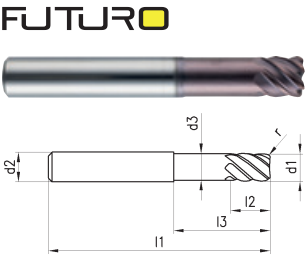
K

N

S

H

O









Application

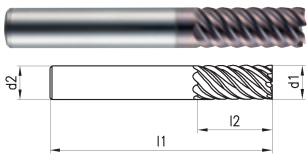
For work on hardened steels up to 68 HRC.

Order ID	d1 mm	r mm	l2 mm	l3 mm	d2 mm	l1 mm	d3 mm
227031.0020	4	0.2	6	10	6	70	3.85
227031.0040	4	0.5	6	10	6	70	3.85
227031.0060	5	0.2	6	12	6	70	4.85
227031.0080	5	0.5	6	12	6	70	4.85
227031.0100	6	0.5	6	14	6	50	5.85
227031.0130	6	0.5	13	-	6	70	-
227031.0160	6	0.5	26	-	6	70	-
227031.0170	6	1	6	14	6	70	5.85
227031.0180	6	1	13	-	6	70	-
227031.0200	8	0.5	8	24	8	60	7.7
227031.0220	8	0.5	19	-	8	90	-
227031.0260	10	0.5	22	-	10	100	-
227031.0300	10	1	10	30	10	70	9.7
227031.0320	10	1	22	-	10	100	-
227031.0340	10	1	46	-	10	100	-
227031.0360	12	0.5	26	-	12	110	-
227031.0400	12	1	12	30	12	75	11.7
227031.0500	12	1	26	-	12	110	-

227091 SC shoulder milling cutter FUTURO

VHM	Ø 6-20	Coated	 45°	 h6			
	P O	M	K	N	S	H	O

FUTURO



Application

For work on hardened steels up to 68 HRC.

Order ID	d1 mm	l2 mm	d2 mm	l1 mm	teeth
227091.0100	6	13	6	57	6
227091.0200	8	19	8	63	6
227091.0300	10	22	10	72	6
227091.0400	12	26	12	83	6
227091.0500	16	32	16	92	6
227091.0600	20	38	20	104	8

228031 Set of carbide burr PFERD

Head diameter 6mm

P	M	K	N	S	H	O
O	O	O	O	O	O	O

cut ALLROUND

Package contents: 3 carbide burrs in plastic packaging.

Order ID	Shape
228031.0100	ZYAS, WRRC, RBF



228032 Set of carbide burr PFERD

Head diameter 12mm

P	M	K	N	S	H	O
O	O	O	O	O	O	O



cut ALLROUND

Package contents: 3 carbide burrs in plastic packaging.

Order ID	Shape
228032.0100	ZYAS, WRRC, RBF



251136 Centre drill 60° FUTURO

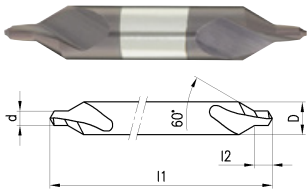
HSS	TiAlN	 h7	DIN 333				
	P	M	K	N	S	H	O
	●●	●●		O	O		O

Spiral-fluted

* only one-sided

Order ID	d mm	D mm	l2 mm	l1 mm
251136.0100	0.5*	3.15	0.6...0.9	25
251136.0200	0.75	3.5	1.0...1.3	35
251136.0300	1	3.15	1.3...1.7	31
251136.0400	1.5	5	2.0...2.6	40
251136.0500	1.6	4	2.0...2.6	35
251136.0600	2	5	2.5...3.1	40
251136.0700	2.5	6.3	3.1...3.8	45
251136.0800	3	8	3.9...4.6	50
251136.0900	3.15	8	3.9...4.6	50
251136.1000	4	10	5.0...5.9	55
251136.1100	5	12	6.3...7.2	63


FUTURO



257650 Multistep drill FUTURO

HSS-E
Co5

Coated



P

M


K


N


S


H


O

















FUTURO



Properties:
Sturdy design for drilling and chamfering in one operation. The additional 60° groove is used for deburring thin-walled sheet metal.
Special coating to increase the service life and improve the surface quality.

Order ID	Range mm	Step size mm	Step Ø mm	Overall length mm	Shaft Ø mm
257650.0100	4...12	5	4/5/6/7/8/9/10/11/12	79	6
257650.0200	4...20	3	4/6/8/10/12/14/16/18/20	67	8
257650.0300	4...30	4	4/6/8/10/12/14/16/18/20/22/24/26/28/30	100	10

261551 Tap drill set DC QTAP


Metric ISO-thread

HSS-E
PM


VS

M


RH



C
2-3



3



QTAP

P

M

K

N

S

H

O



spiral grooves 40°
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d
261551.0100	M3...M10

261561 Tap drill set DC QTAP


Metric ISO-thread

HSS-E
PM


VS

M


RH



B
3.5-5.5



3



QTAP

P

M

K

N

S

H

O



straight grooves, progressive tap
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d
261561.0100	M3...M10

262010 Tap drill DC QTAP


Metric ISO fine thread

HSS-E
PM


VS

MF


RH



B
3.5-5.5



3-4



QTAP

P

M

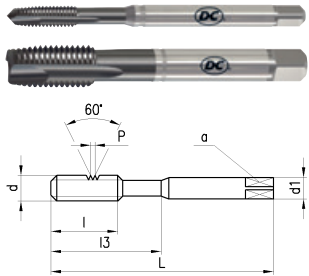
K

N

S

H

O



straight grooves, progressive tap
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P mm	Standard	L mm	a mm	d1 mm	l mm	l3 mm	Ø mm	teeth
262010.0100	MF6	0.75	371	80	4.9	6	17	30	5.25	3
262010.0200	MF8	1	371	90	6.2	8	20	35	7	3
262010.0300	MF10	1	371	100	8	10	22	39	9	3
262010.0400	MF12	1	374	100	7	9	24	-	11	3
262010.0500	MF12	1.5	374	100	7	9	24	-	10.5	3
262010.0600	MF14	1.5	374	100	9	11	24	-	12.5	3
262010.0700	MF16	1.5	374	100	9	12	26	-	14.5	3
262010.0800	MF18	1.5	374	110	11	14	26	-	16.5	4
262010.0900	MF20	1.5	374	125	12	16	28	-	18.5	4

262011 Tap drill DC QTAP


Metric ISO fine thread


HSS-E
PM


VS


MF


RH



ISO 2 (6H)



B
3.5-5.5




3-4







P

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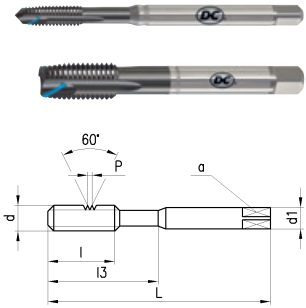
○

straight grooves, progressive tap

Power class QTAP

Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	a	d1	l	l3	Ø	teeth
262011.0100	MF6	0.75	371	80	4.9	6	17	30	5.25	3
262011.0200	MF8	1	371	90	6.2	8	20	35	7	3
262011.0300	MF10	1	371	100	8	10	22	39	9	3
262011.0400	MF12	1	374	100	7	9	24	-	11	3
262011.0500	MF12	1.5	374	100	7	9	24	-	10.5	3
262011.0600	MF14	1.5	374	100	9	11	24	-	12.5	3
262011.0700	MF16	1.5	374	100	9	12	26	-	14.5	3
262011.0800	MF18	1.5	374	110	11	14	26	-	16.5	4
262011.0900	MF20	1.5	374	125	12	16	28	-	18.5	4



262012 Tap drill DC QTAP


Metric ISO fine thread


HSS-E
PM


VS


MF


RH



ISO 2 (6H)



C
2-3




3-4







P

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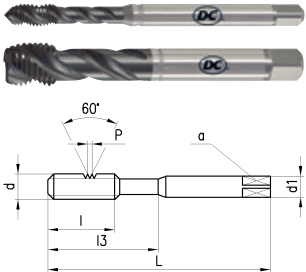
○

spiral grooves 40°

Power class QTAP

Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	a	d1	l	l3	Ø	teeth
262012.0100	MF4	0.5	371	63	3.4	4.5	7.5	21	3.4	3
262012.0200	MF5	0.5	371	70	4.9	6	9	25	4.9	3
262012.0300	MF6	0.75	371	80	4.9	6	11	30	4.9	3
262012.0400	MF8	1	371	90	6.2	8	12.5	35	6.2	3
262012.0500	MF10	1	371	100	8	10	14	39	8	3
262012.0600	MF12	1	374	100	7	9	14	-	7	3
262012.0700	MF12	1.5	374	100	7	9	14	-	7	3
262012.0800	MF14	1.5	374	100	9	11	14	-	9	3
262012.0900	MF16	1.5	374	10	9	12	14	-	9	4
262012.1000	MF18	1.5	374	110	11	14	18	-	11	4
262012.1100	MF20	1.5	374	125	12	16	20	-	12	4
262012.1200	MF22	1.5	374	125	14.5	18	20	-	14.5	4
262012.1300	MF24	1.5	374	140	14.5	18	22	-	14.5	4
262012.1400	MF24	2	374	140	14.5	18	22	-	14.5	4



262013 Tap drill DC QTAP


Metric ISO fine thread


HSS-E
PM


VS


MF


RH



ISO 2 (6H)



C
2-3




3-4







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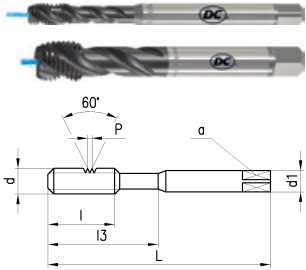
○

spiral grooves 40°

Power class QTAP

Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	a	d1	l	l3	Ø	teeth
262013.0100	MF4	0.5		63	3.4	4.5	7.5	21	3.4	3
262013.0200	MF5	0.5	371	70	4.9	6	9	25	4.9	3
262013.0300	MF6	0.75	371	80	4.9	6	11	30	4.9	3
262013.0400	MF8	1	371	90	6.2	8	12.5	35	6.2	3
262013.0500	MF10	1	371	100	8	10	14	39	8	3
262013.0600	MF12	1	374	100	7	9	14	-	7	3
262013.0700	MF12	1.5	374	100	7	9	14	-	7	3
262013.0800	MF14	1.5	374	100	9	11	14	-	9	3
262013.0900	MF16	1.5	374	10	9	12	14	-	9	4
262013.1000	MF18	1.5	374	110	11	14	18	-	11	4
262013.1100	MF20	1.5	374	125	12	16	20	-	12	4
262013.1200	MF22	1.5	374	125	14.5	18	20	-	14.5	4
262013.1300	MF24	1.5	374	140	14.5	18	22	-	14.5	4
262013.1400	MF24	2	374	140	14.5	18	22	-	14.5	4



262630 Tap drill DC QTAP


UNC thread


HSS-E
PM


VS


UNC

RH


2B


B
3.5-5.5


3-4



P

M

K

N

S

H

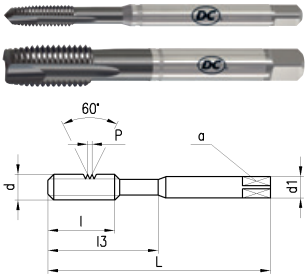
O

straight grooves, progressive tap

Power class QTAP

Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	l3	Ø	teeth
262630.0100	UNC 6	32	371	56	3.5	3	4	13	20	2.75	3
262630.0200	UNC 8	32	371	63	4.16	3.4	4.5	14	21	3.4	3
262630.0300	UNC 10	24	371	70	4.85	4.9	6	15	25	3.8	3
262630.0400	UNC 1/4"	20	371	80	6.35	5.5	7	17	30	5.1	3
262630.0500	UNC 5/16"	18	371	90	7.93	6.2	8	20	35	6.5	3
262630.0600	UNC 3/8"	16	371	100	9.52	8	10	22	39	8	3
262630.0700	UNC 1/2"	13	376	110	12.7	7	9	24	-	10.8	3
262630.0800	UNC 5/8"	11	376	110	15.87	9	12	30	-	13.6	3
262630.0900	UNC 3/4"	10	376	125	19.05	11	14	33	-	16.6	4
262630.1000	UNC 7/8"	9	376	140	22.22	14.5	18	36	-	19.5	4
262630.1100	UNC 1"	8	376	160	25.4	14.5	18	39	-	22.3	4



262631 Tap drill DC QTAP


UNC thread


HSS-E
PM


VS


UNC

RH


2B


B
3.5-5.5


3-4



P

M

K

N

S

H

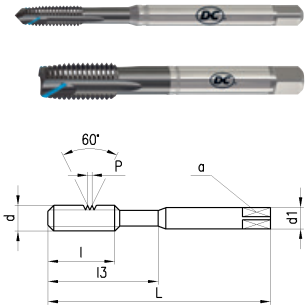
O

straight grooves, progressive tap

Power class QTAP

Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	l3	Ø	teeth
262631.0100	UNC 6	32	371	56	3.5	3	4	13	20	2.75	3
262631.0200	UNC 8	32	371	63	4.16	3.4	4.5	14	21	3.4	3
262631.0300	UNC 10	24	371	70	4.85	4.9	6	15	25	3.8	3
262631.0400	UNC 1/4"	20	371	80	6.35	5.5	7	17	30	5.1	3
262631.0500	UNC 5/16"	18	371	90	7.93	6.2	8	20	35	6.5	3
262631.0600	UNC 3/8"	16	371	100	9.52	8	10	22	39	8	3
262631.0700	UNC 1/2"	13	376	110	12.7	7	9	24	-	10.8	3
262631.0800	UNC 5/8"	11	376	110	15.87	9	12	30	-	13.6	3
262631.0900	UNC 3/4"	10	376	125	19.05	11	14	33	-	16.6	4
262631.1000	UNC 7/8"	9	376	140	22.22	14.5	18	36	-	19.5	4
262631.1100	UNC 1"	8	376	160	25.4	14.5	18	39	-	22.3	4



262632 Tap drill DC QTAP


UNC thread


HSS-E
PM


VS


UNC

RH


2B


C
2-3


3-4



P

M

K

N

S

H

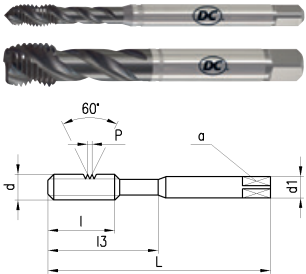
O

spiral grooves 40°

Power class QTAP















Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	l3	Ø	teeth
262632.0100	UNC 6	32	371	56	3.5	3	4	6.5	20	2.75	3
262632.0200	UNC 8	32	371	63	4.16	3.4	4.5	7.5	21	3.4	3
262632.0300	UNC 10	24	371	70	4.82	4.9	6	9	25	3.8	3
262632.0400	UNC 1/4"	20	371	80	6.35	5.5	7	11	30	5.1	3
262632.0500	UNC 5/16"	18	371	90	7.93	6.2	8	12.5	35	6.5	3
262632.0600	UNC 3/8"	16	371	100	9.52	8	10	14	39	8	3
262632.0700	UNC 7/16"	14	376	100	11.11	6.2	8	14	-	9.3	3
262632.0800	UNC 1/2"	13	376	110	12.7	7	9	14	-	10.8	3
262632.0900	UNC 5/8"	11	376	110	15.87	9	12	18	-	13.6	3
262632.1000	UNC 3/4"	10	376	125	19.05	11	14	21	-	16.6	3
262632.1100	UNC 7/8"	9	376	140	22.2	14.5	18	24	-	19.5	3
262632.1200	UNC 1"	8	376	160	25.4	14.5	18	27	-	22.3	4



262633 Tap drill DC QTAP

UNC thread

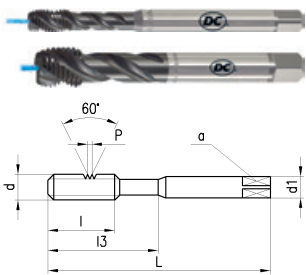
HSS-E PM	VS	UNC	RH		C 2-3			
		P	M	K	N	S	H	O
								
<2.5 x D								

spiral grooves 40°

Power class QTAP















Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	l3	Ø	teeth
262633.0100	UNC 6	32	371	56	3.5	3	4	6.5	20	2.75	3
262633.0200	UNC 8	32	371	63	4.16	3.4	4.5	7.5	21	3.4	3
262633.0300	UNC 10	24	371	70	4.82	4.9	6	9	25	3.8	3
262633.0400	UNC 1/4"	20	371	80	6.35	5.5	7	11	30	5.1	3
262633.0500	UNC 5/16"	18	371	90	7.93	6.2	8	12.5	35	6.5	3
262633.0600	UNC 3/8"	16	371	100	9.52	8	10	14	39	8	3
262633.0700	UNC 7/16"	14	376	100	11.11	6.2	8	14	-	9.3	3
262633.0800	UNC 1/2"	13	376	110	12.7	7	9	14	-	10.8	3
262633.0900	UNC 5/8"	11	376	110	15.87	9	12	18	-	13.6	3
262633.1000	UNC 3/4"	10	376	125	19.05	11	14	21	-	16.6	3
262633.1100	UNC 7/8"	9	376	140	22.2	14.5	18	24	-	19.5	3
262633.1200	UNC 1"	8	376	160	25.4	14.5	18	27	-	22.3	4



263010 Tap drill DC QTAP

UNF thread

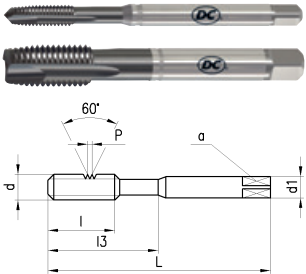
HSS-E PM	VS	UNF	RH		B 3.5-5.5			
		P	M	K	N	S	H	O
								

straight grooves, progressive tap

Power class QTAP















Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	l3	Ø	teeth
263010.0100	UNF 10	32	371	70	4.82	4.9	6	15	25	4.05	3
263010.0200	UNF 1/4"	28	371	80	6.35	5.5	7	17	30	5.5	3
263010.0300	UNF 5/16"	24	371	90	7.93	6.2	8	20	35	6.9	3
263010.0400	UNF 3/8"	24	371	100	9.53	8	10	22	39	8.5	3
263010.0500	UNF 7/16"	20	374	100	11.11	6.2	8	19	-	9.8	3
263010.0600	UNF 1/2"	20	374	100	12.7	7	9	24	-	11.4	3



263011 Tap drill DC QTAP

UNF thread

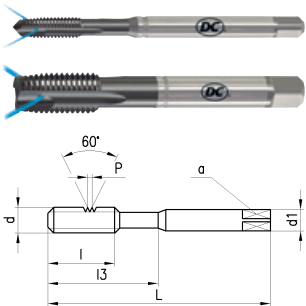
HSS-E PM	VS	UNF	RH		B 3.5-5.5			
		P	M	K	N	S	H	O
								

straight grooves, progressive tap

Power class QTAP

Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	l3	Ø	teeth
263011.0100	UNF 10	32	371	70	4.82	4.9	6	15	25	4.05	3
263011.0200	UNF 1/4"	28	371	80	6.35	5.5	7	17	30	5.5	3
263011.0300	UNF 5/16"	24	371	90	7.93	6.2	8	20	35	6.9	3
263011.0400	UNF 3/8"	24	371	100	9.53	8	10	22	39	8.5	3
263011.0500	UNF 7/16"	20	374	100	11.11	6.2	8	19	-	9.8	3
263011.0600	UNF 1/2"	20	374	100	12.7	7	9	24	-	11.4	3



263012 Tap drill DC QTAP


UNF thread


HSS-E
PM


VS


UNF

RH


2B


C 2-3


3-4



P

M


K

N

S

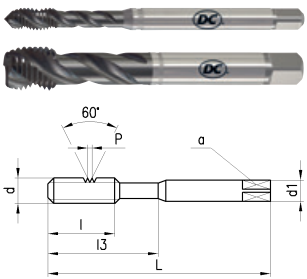
H

O


<2.5 x D

spiral grooves 40°
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	a	d1	l	l3	Ø	teeth
	in	in		mm	mm	mm	mm	mm	mm	
263012.0100	UNF 10	32	371	70	4.9	6	9	25	4.05	3
263012.0200	UNF 1/4"	28	371	80	5.5	7	11	30	5.5	3
263012.0300	UNF 5/16"	24	371	90	6.9	8	12.5	35	6.9	3
263012.0400	UNF 3/8"	24	371	100	8.5	10	14	39	8.5	3
263012.0500	UNF 7/16"	20	374	100	9.8	8	14	-	9.8	3
263012.0600	UNF 1/2"	20	374	100	11.4	9	14	-	11.4	3
263012.0700	UNF 5/8"	18	374	100	14.5	12	14	-	14.5	3
263012.0800	UNF 3/4"	16	374	125	17.5	14	18	-	17.5	4



263013 Tap drill DC QTAP


UNF thread


HSS-E
PM


VS


UNF


RH


2B


C 2-3


3-4





P

M


K

N

S

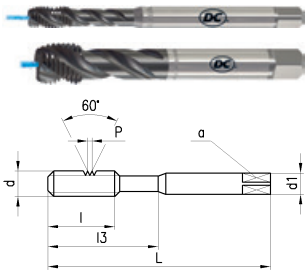
H

O


<2.5 x D

spiral grooves 40°
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	a	d1	l	l3	Ø	teeth
	in	in		mm	mm	mm	mm	mm	mm	
263013.0100	UNF 10	32	371	70	4.9	6	9	25	4.05	3
263013.0200	UNF 1/4"	28	371	80	5.5	7	11	30	5.5	3
263013.0300	UNF 5/16"	24	371	90	6.9	8	12.5	35	6.9	3
263013.0400	UNF 3/8"	24	371	100	8.5	10	14	39	8.5	3
263013.0500	UNF 7/16"	20	374	100	9.8	8	14	-	9.8	3
263013.0600	UNF 1/2"	20	374	100	11.4	9	14	-	11.4	3
263013.0700	UNF 5/8"	18	374	100	14.5	12	14	-	14.5	3
263013.0800	UNF 3/4"	16	374	125	17.5	14	18	-	17.5	4



263310 Tap drill DC QTAP


Pipe thread


HSS-E
PM


VS

G

RH


B 3.5-5.5


3-4



P

M


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S

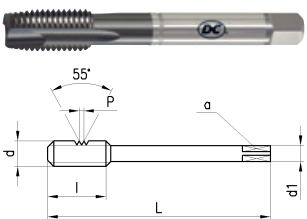
H

O


<2.5 x D

straight grooves, progressive tap
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	Ø	teeth
		in		mm	mm	mm	mm	mm	mm	
263310.0100	G 1/8	28	5156	90	9.72	5.5	7	22	8.75	3
263310.0200	G 1/4	19	5156	100	13.15	9	11	20	11.6	3
263310.0300	G 3/8	19	5156	100	16.66	9	12	20	15.2	3
263310.0400	G 1/2	14	5156	125	20.95	12	16	22	18.9	4



263311 Tap drill DC QTAP

Pipe thread

HSS-E
PM

VS

G

RH

B
3.5-5.5

3-4

QTAP

P

M

K

N

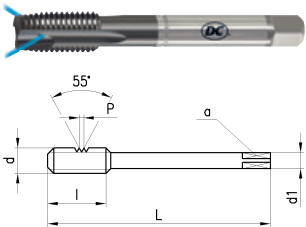
S

H

O

straight grooves, progressive tap
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	Ø	teeth
263311.0100	G 1/8	28	5156	90	9.72	5.5	7	22	8.75	3
263311.0200	G 1/4	19	5156	100	13.15	9	11	20	11.6	3
263311.0300	G 3/8	19	5156	100	16.66	9	12	20	15.2	3
263311.0400	G 1/2	14	5156	125	20.95	12	16	22	18.9	4



263312 Tap drill DC QTAP

Pipe thread

HSS-E
PM

VS

G

RH

C
2-3

3-4

QTAP

P

M

K

N

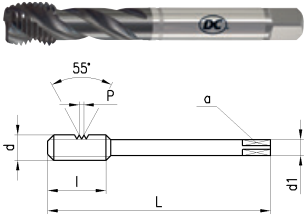
S

H

O

spiral grooves 40°
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	Ø	teeth
263312.0100	G 1/8	28	5156	90	9.72	5.5	7	14	8.75	3
263312.0200	G 1/4	19	5156	100	13.15	9	11	14	11.6	3
263312.0300	G 3/8	19	5156	100	16.66	9	12	14	15.2	4
263312.0400	G 1/2	14	5156	125	20.95	12	16	20	18.9	4



263313 Tap drill DC QTAP

Pipe thread

HSS-E
PM

VS

G

RH

C
2-3

3-4

QTAP

P

M

K

N

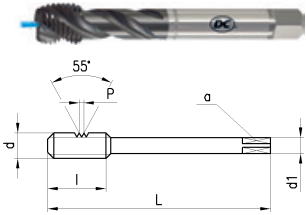
S

H

O

spiral grooves 40°
Power class QTAP
Especially suitable for extensive use in steel, stainless steel, cast iron, superalloys and non-ferrous materials.

Order ID	d	P	Standard	L	d	a	d1	l	Ø	teeth
263313.0100	G 1/8	28	5156	90	9.72	5.5	7	14	8.75	3
263313.0200	G 1/4	19	5156	100	13.15	9	11	14	11.6	3
263313.0300	G 3/8	19	5156	100	16.66	9	12	14	15.2	4
263313.0400	G 1/2	14	5156	125	20.95	12	16	20	18.9	4





276050 Countersink 90° FUTURO

"Anti Vibration"


HSS-E

Coated






DIN 335C



3



P

M

K

N

S

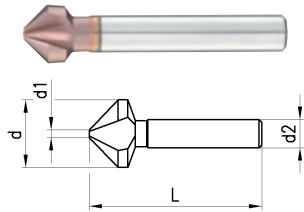
H

O

Properties:
Uneven pitch for optimal countersinking results.
Special coating to increase the service life and improve the surface quality.
Tolerance d: z9

Order ID	d mm	d1 mm	L mm	d2 mm
276050.0100	4.3	1.3	40	4
276050.0200	6.3	1.5	45	5
276050.0300	8.3	2.0	50	6
276050.0400	10.4	2.5	50	6
276050.0500	12.4	2.8	56	8
276050.0600	16.5	3.2	60	10
276050.0700	20.5	3.5	63	10
276050.0800	25	3.8	67	10
276050.0900	31	4.2	71	12

FUTURO





276051 Assortment of countersinks 90° FUTURO

"Anti Vibration"


HSS-E

Coated






DIN 335C



3



P

M

K

N

S

H

O

In a practical plastic box.
Properties:
Uneven pitch for optimal countersinking results.
Special coating to increase the service life and improve the surface quality.

Order ID	Contents, 1 unit each	Contents pieces
276051.0100	6.3/8.3/10.4/12.4/16.5/20.5	6

FUTURO





276055 Countersink 90° FUTURO

Anti-vibration


HSS-E

Coated






DIN 335C



3



P

M

K

N

S

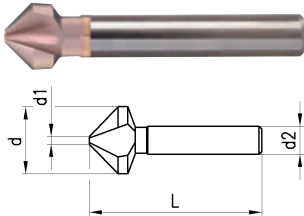
H

O

Properties:
Uneven pitch for optimal countersinking results, **with three clamping flats**.
Special coating to increase the service life and improve the surface quality.
Tolerance d: z9

Order ID	d mm	d1 mm	L mm	d2 mm
276055.0100	6.3	1.5	45	5
276055.0200	8.3	2.0	50	6
276055.0300	10.4	2.5	50	6
276055.0400	12.4	2.8	56	8
276055.0500	16.5	3.2	60	10
276055.0600	20.5	3.5	63	10
276055.0700	25	3.8	67	10
276055.0800	31	4.2	71	12

FUTURO



276056 Assortment of countersinks 90° FUTURO

Anti-vibration

HSS-E

Coated

DIN 335C

90°

3

P

M

K

N

S

H

O

In a practical plastic box.

Properties:
Uneven pitch for optimal countersinking results, with three clamping flats.
Special coating to increase the service life and improve the surface quality.

Order ID	Contents, 1 unit each	Contents pieces
276056.0100	6.3/8.3/10.4/12.4/16.5/20.5	6

FUTURO



334870 Mechanical pull force gauge DIEBOLD

Mechanical pull force gauges are safety-relevant for measuring the feed force of clamping systems in machine spindles.

Package:
Pull force gauge with calibration certificate in plastic case.
For SK spindles, the machine retention bolts must be used (not included in the scope of delivery).
** For BT 30 and BT 40 spindles, special retention knobs must be used. These clamping knobs with 45° and 60° clamping incline are included in the scope of delivery.

Calibration: Calibrate the pull force gauge annually.
* D-BT: for BT cone with face contact

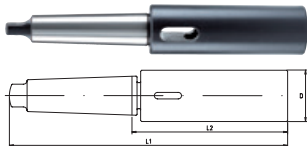
Order ID	Cone	Size	For interface	Recommended minimum pull-in forces kN	Range kN
334870.0100	HSK	20	HSK-A/C/E 20	1.2	0...4.5
334870.0200	HSK	25	HSK-A/C/E 25 HSK-B/D/F 32	3	0...18
334870.0300	HSK	32	HSK-A/C/E 32 HSK-B/D/F 40	5	0...18
334870.0400	HSK	40	HSK-A/C/E 40 HSK-B/D/F 50	6.8	0...45
334870.0500	HSK	50	HSK-A/C/E 50 HSK-B/D/F 63	11	0...45
334870.0600	HSK	63	HSK-A/C/E 63 HSK-B/D/F 80	18	0...45
334870.0700	HSK	80	HSK-A/C/E 80 HSK-B/D/F 100	28	0...90
334870.0800	HSK	100	HSK-A/C/E 100	45	0...90
334870.0900	SK	30	SK30 / CAT30	4.5	1...16
334870.1000	**BT	30	BT30 / D-BT30*	4.5	1...16
334870.1100	SK	40	SK40 / CAT40	4.5	2...18
334870.1200	**BT	40	BT40 / D-BT40*	6.5	2...18
334870.1300	SK/BT	50	SK50 / CAT50 BT50 / D-BT50*	18	5...45



342601 Extension sleeve RÖHM

DIN 2187, hardened

Order ID	MT outside	MT inside	D mm	L1 mm	L2 mm
342601.0100	1	1	20	145	83
342601.0200	1	2	30	160	98
342601.0300	2	1	20	160	85
342601.0400	2	2	30	175	100
342601.0500	2	3	36	196	121
342601.0600	3	1	20	175	81
342601.0700	3	2	30	194	100
342601.0800	3	3	36	215	121
342601.0900	3	4	48	240	146
342601.1000	4	1	20	200	82.5
342601.1100	4	2	30	215	97.5
342601.1200	4	3	36	240	122.5
342601.1300	4	4	48	265	147.5
342601.1400	4	5	63	300	182.5
342601.1500	5	1	20	232	82.5
342601.1600	5	2	30	247	97.5
342601.1700	5	3	36	268	118.5
342601.1800	5	4	48	300	150.5
342601.1900	5	5	63	335	185.5
342601.2000	6	4	48	355	145
342601.2100	6	5	63	390	180



417370 FUTURO Cleaning propeller

Chip blower

For efficient cleaning of mounting tools, workpieces and machine tables.

- Improves process reliability through automated cleaning
- Compressed air is not used
- No chips or coolants outside the machine
The air volume is regulated via the speed. Speed range: 5000–8000 rpm
Attention: Tool may only be used in closed machines.

Order ID	Shaft Ø mm	Ø mm	Overall length mm	Max. Speed min ⁻¹
417370.0100	20	260	190	8000

FUTURO



428895 Electrician's tool case WIHA VDE



Wiha XXL III electric, 106 pieces, multi-functional VDE tool case offering ultimate stability. Its **extra-large wheels** make it easy to conveniently pull the case along over rough terrain or on stairs. The legs can be folded out to turn the case into a **slip-proof step**. In addition, the raised position allows the tools to be removed comfortably without putting strain on the back. The V-shaped incision with a scale in the lid of the case facilitates the sawing of materials such as cable ducts on construction sites. The case is made from robust polypropylene plastic and also features gas-filled shock absorbers that hold the lid in different positions and will stop the lid falling accidentally and trapping your fingers.



Order ID	Type	Parts	Dimensions mm	Weight kg
428895.0100	Set XXL III electric	106	683 x 496 x 335	21.6

434410 Cordless screwdriver set WIHA VDE



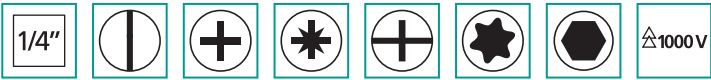
Wiha speedE® II electric, ideal tool for all screw applications, such as socket assembly, work in the switch cabinet, industrial maintenance and assembly, maintenance and repair of motor equipment, household appliances and white goods, window and door assembly, heating, air conditioning and sanitary installations, as well as bicycle, motorcycle and lawnmower repair. Also perfectly suited for use in the home for assembling furniture, repairs and other hobby-related screwdriving tasks. **Work is completed three times as fast thanks to the electric drive.** Integrated material protection function for delicate fittings such as plastic socket covers. Integrated LED light and ergonomic SoftFinish® handle.

Appropriate accessories:
437580 Bit set WIHA VDE



Order ID	Type	Parts
434410.0100	speedE® II electric	7

434455 Screwdriver set WIHA VDE



Wiha slimVario® electric set, 32 pieces, many different screw profiles are required when working at different locations such as construction sites, solar power systems and switch cabinets. The set covers all common screw profiles and is therefore flexible in its use. Safely and tidily stored away in a robust functional bag, the electrician's tools are perfect for use when out and about. Built-in strap to hang the bag on the wall and removable bottom tray. Each tool in the set has undergone routine testing in accordance with the international IEC 60900 standard, allowing users to work safely on live parts at up to 1000 V AC.



Order ID	Type	Parts	Weight kg
434455.0100	Set slimVario® electric	32	1.0

437580 Bit set WIHA VDE



Wiha slimBit electric sets, suitable for screwdriving near live parts up to 1000 V AC, especially while out on jobs. The slim blades mean even low-lying screw and spring elements can be easily reached. The insulated slimBits undergo routine testing in accordance with the international standard IEC 60900, allowing users to work safely on live parts at up to 1000 V AC.

Usable with:
434410 Cordless screwdriver set WIHA VDE



Order ID	Type	Parts
437580.0100	43157	7
437580.0200	43158	7
437580.0300	43160	7
437580.0400	44366	7

450385 Electrician's tool case WIHA VDE



Wiha Basic Set L electric, 34 pieces, the perfect basic kit for electricians out on a job. Robust case with straps and additional storage space for additional tools. The polypropylene case can be secured against theft by putting padlocks through the integrated eyelets (not included). The ergonomic two-component handle provides a comfortable carrying experience. The air pressure compensation valve makes the Basic tool case ideally suited for flights too and the self-labelled name plate clearly shows who the owner is. Certified to protection class IP67, the Wiha tool case is dustproof and waterproof.



Order ID	Type	Parts	Dimensions mm	Weight kg
450385.0100	Basic Set L electric	34	457 x 367 x 183	6.6

450390 Tool case WIHA VDE eMobility



Wiha eMobility set XL, 77 pieces, specially designed tool set for working on electric vehicles or for installing and commissioning charging columns and wall-mounted vehicle charging equipment. The tools have VDE-certified insulation to allow users to work safely on live parts. The tool inserts of the case have been designed with efficient operation in mind so that all tools can be removed quickly and easily. The contents of the case can be secured against theft by putting padlocks through the integrated eyelets (not included). Additional storage space is provided by free lugs and extra space in the bottom tray of the case. In addition, the ergonomic two-component handle guarantees a comfortable carrying experience. The case is made from robust polypropylene and features gas-filled shock absorbers that hold the lid in different positions and will stop the lid from falling accidentally and injuring the user.



Order ID	Type	Parts	Dimensions mm	Weight kg
450390.0100	Set XL eMobility	77	510 x 420 x 220	14.1

455295 Edge aviation snip WISS

Wiss M2X, American design, excellent quality, with leverage mechanism, blade serrations, ergonomic vinyl handles and locking levers; for cutting through particularly **tough materials such as stainless steel and titanium**, cutting capacity 1.2 mm, **right-cutting** (for narrow right-to-straight cutting).



Order ID	Length mm
455295.0100	250

457880 Pocket knife VICTORINOX

Victorinox Swiss Champ XXL, Swiss brand, **73 functions**, polyamide grip plates. This major collector's item incorporates everything there is and more. Its versatility knows no limits. And the calibre of its craftsmanship is just as superior. Each Swiss Champ XXL passes through several careful manufacturing steps and is then assembled by hand.

Appropriate accessories:
457860 Chain VICTORINOX



Order ID	Type	Length mm	Height mm	Weight g
457880.0100	Swiss Champ XXL	91	62	353

497095 Chalk LYRA

School chalk, square, papered and unsharpened. For short-term writing on almost all materials, easy to remove. Supplied in a box of 12 pieces.



Order ID	Dimensions mm
497095.0100	12 x 90

500270 Pneumatic spray bottle HAZET

Hazet 199-4 can be used with multi-purpose sprays such as penetrating oil, rust remover and brake cleaner. Cost savings through the use of large containers. With safety valve and Viton seals. Spray mist and point jet, easy to clean thanks to the two-piece design. Easy to fill through the bottleneck (dia. 25 mm) or directly into the lower section (dia. 54 mm).

Appropriate spare parts:
LT001050504 HAZET Nozzle set 199-4-01/2 199-4-01/2
LT001050505 HAZET Pump unit 199-4-04/4 199-4-04/4
LT001054972 HAZET Sealing ring set 199-4-03/5 199-4-03/5 199-4-03/5



Order ID	Type	Charge max. l	Max. filling pressure bar
500270.0100	199-4	0.227	8

530186 Knitted nylon gloves ANSELL

HyFlex® 11-927



Advanced cutting protection, oil-repelling properties and oil grip profile combined in a single flexible glove. **Ideal for handling and assembling sharp components treated with oil or lubricants.**

The grip profile is based on patented Ansell Grip™ Technology, which uses microscopic channels to drain away oil and moisture from the surface of components and tools. This ensures an industry leading grip on wet and oily objects for increased safety and efficiency. The design combines a 3/4 nitrile coating with an integrated grip profile.

The 3/4 coating provides users with additional protection against oil and grazing their knuckles. The new design of the gloves offers a far superior fit. These gloves offer greater freedom of movement when working with medium loads thanks to the highly flexible polymer and comprehensive range of sizes.

The grey and black colouring hides dirt on the gloves when working in oily, greasy and dirty environments.

CE Category II
EN 420:2003 + A1:2009
EN 388:4342B
Pack of 12 pairs
Price per pair

Order ID	Size
530186.0100	7
530186.0200	8
530186.0300	9
530186.0400	10
530186.0500	11



530204 Knitted nylon gloves ANSELL

HYFLEX 11-801



The HyFlex® 11-801 gloves are ideal for **dry or slightly oily working areas** that require light mechanical protection and high precision when handling objects. This includes light assembly work in the automotive, plastics, textile and consumer goods industries, as well as working in warehouses and logistics. The use of elastic spandex material avoids the risk of latex allergies, while the silicone-free coating reduces the risk of product contamination.

Alternatively also available:
530194 Knitted nylon gloves FUTURO gray
530226 Knitted nylon gloves FUTURO grey

CE Category II
EN 420:2003 + A1:2009
EN 388:3131A
Pack of 12 pairs
Price per pair

Order ID	Size
530204.0050	7
530204.0100	8
530204.0200	9
530204.0300	10



530206 Knitted nylon gloves ANSELL

HYFLEX 11-800



The **legendary foam coating makes the gloves much more breathable and comfortable.** The nitrile foam coating improves grip and allows for good tactile sensitivity. Tailored fit with the deep-set little finger for improved fit around the natural hand shape. Offers the advantage of a proprietary washing process that effectively removes dirt to keep the glove clean and comfortable. Oeko-Tex® certification and certified as skin-friendly. Prevents metal parts from being contaminated by silicone particles before painting.

Alternatively also available:
530225 Knitted nylon gloves FUTURO White

CE Category II
EN 388:3131A
Pack of 12 pairs
Price per pair

Order ID	Size
530206.0050	7
530206.0100	8
530206.0200	9
530206.0300	10



530207 Knitted nylon gloves ANSELL

HyFlex® 11-618



This **very thin glove** from Ansell is almost like a second skin. Characterised by outstanding comfort and a perfect fit, it ensures high sensitivity during precision work. This extremely thin yet robust glove has been made possible through the 18-gauge knitting technique. The glove is especially suitable for working with light loads in dry or slightly oily environments. It is ideal for workers who require **the best fit, outstanding comfort and increased sensitivity** during precision work compared to their current gloves. This glove is also ideal for environments in which workers wear either cotton gloves or no gloves at all, despite the risk of grazes, blisters and minor injuries.



CE Category II
EN 388:3121X
Pack of 12 pairs
Price per pair

Order ID	Size
530207.0050	8
530207.0100	9
530207.0200	10
530207.0300	11

530237 Knitted gloves ANSELL

ActivArm® 47-200



The comfort of cotton — but with a much better grip. Easy and safe handling of smooth or slippery objects such as containers or devices. Coating at the front to protect the palm. The back of the hand remains free for ventilation. **Significantly higher resistance to tears, punctures and abrasion. Nitrile coating repels oil and grease.** Lasts at least five times longer than normal cotton gloves.



CE Category II
EN 420:2003 + A1:2009
EN 388:2111A
Pack of 12 pairs
Price per pair

Order ID	Size
530237.0100	7
530237.0200	8
530237.0300	9
530237.0400	10

530255 Knitted gloves ANSELL

HyFlex 11-518



The first glove to offer **cut protection level 3 with just an 18-gauge thread thickness** in accordance with EN388 and, for a longer service life, abrasion resistance level 3 in accordance with EN388.

The Dyneema® Diamond Technology fibre and PU coating offers the user a new dimension of dexterity in applications with high amounts of cutting. Extremely lightweight material and a tailored fit, including D3 knitting around the deeper-set little finger, creates a sensation of wearing no glove at all. The extremely soft, seamless lining is very breathable, which keeps hands cool and dry. Other benefits include increased flexibility, high tactile sensitivity and outstanding comfort.



CE Category II
EN 388:3X31B
EN 388:3331

Order ID	Size
530255.0100	8
530255.0200	9
530255.0300	10

530256 Knitted gloves ANSELL

HyFlex 11-531



The new **cut-resistant INTERCEPT™ yarn** is designed to exceed current industry standards. This technology developed by Ansell offers best-in-class cutting protection, while providing comfort and dexterity. ZONZ™ Fit Technology is also integrated into the liner for a **better fit, increased dexterity** and reduced hand fatigue. The FORTIX formulation of the glove material provides enhanced abrasion resistance and improved grip, which extends the service life of the glove and offers increased comfort in abrasion-intensive environments. Silicone-free. Dirt-masking colours for a longer service life.



CE Category II
EN 420:2003 + A1:2009
EN 388:4X42B
Pack of 12 pairs
Price per pair

Order ID	Size
530256.0100	6
530256.0200	7
530256.0300	8
530256.0400	9
530256.0500	10
530256.0600	11

530257 Knitted gloves ANSELL

HyFlex® 11-840



The nitrile foam coating provides 20% more breathability than previous material combinations. The result: **cooler, drier hands and reduced sweating**. The flexible material, which fits the hand almost like a second skin, closely surrounds the palm for additional comfort, precise tactile sensitivity and greater freedom of movement when changing between working processes. The optimised knit fabric at the base of the little finger, fingertips and entire palm adapts to the anatomy of the hand. **Silicone-free**. Prevents metal parts from being contaminated by silicone particles before painting.



CE category III
EN 388:4131A, EN 407:X1XXXX
Pack of 12 pairs
Price per pair

Order ID	Size
530257.0100	7
530257.0200	8
530257.0300	9
530257.0400	10
530257.0500	11

530278 Knitted gloves ANSELL

EDGE® 48-140



The EDGE 48-140 is made of a seamless polyester and carbon fibre liner (13 gauge); **the palm is coated with polyurethane**. Integrated carbon fibre to **protect products against electrostatic discharge**. The palm coating prevents perspiration from being transferred to electronic components.



CE category II
EN 388:3121A
EN 420:2003 + A1:2009
EN 1149-3: Charge dissipation time T50 <0.01 seconds.
Compatible with the REACH regulation
Pack of 12 pairs
Price per pair

Order ID	Size
530278.0100	6
530278.0200	7
530278.0300	8
530278.0400	9
530278.0500	10
530278.0600	11

530279 Knitted gloves ANSELL

EDGE® 48-919



Good combination of secure grip and oil-repellent properties. Excellent abrasion resistance. Double layer of nitrile coating keeps the hands dry and comfortable when working with oily components and tools. Compatible with EN 420 (General requirements) and EN 388 (Mechanical risks). Elastic knit waist-band for a secure fit. For applications in oily work areas.

CE category II
EN 388:4121A
Pack of 12 pairs
Price per pair

Order ID	Size
530279.0100	8
530279.0200	9
530279.0300	10
530279.0400	11



530284 Cut protection sleeves ANSELL

HyFlex® 11-251



Maximum protection combined with unrivalled comfort. The HyFlex® 11-251 **with thumb hole** is available in different lengths and widths for an optimum, comfortable fit. Colour coding makes them easier to sort after washing. The INTERCEPT™ HyFlex® 11-251 sleeve protection is made of black yarn and is silicone-free to **protect painted and finished surfaces from contamination**. The special knitted biceps cuff holds the sleeve protection in position.

CE category II
EN 388:2542
EN 420:2003 + A1:2009
Compatible with the REACH regulation
Pack of 50
Price per unit

Order ID	Size	Version
530284.0100	16	Narrow version
530284.0200	16	Wide version
530284.0300	18	Narrow version
530284.0400	18	Wide version



530286 Knitted gloves ANSELL

HyFlex® 11-541



Extremely lightweight gloves with anatomical shaping for outstanding cutting protection and improved grip. Extremely lightweight gloves for exceptional finger dexterity and freedom of movement. The ZONZ knitting technology uses selected yarns and various knitted patterns to produce a glove with a fit that reduces hand fatigue by allowing for a greater range of motion. Silicone-free design protects coatings and surfaces. Dirt-masking palm for longer wear times.

CE category III
EN 388:4X21D
EN 420:2003 + A1:2009
EN 407:X1XXXX
Compatible with the REACH regulation
Pack of 12 pairs
Price per pair

Order ID	Size
530286.0100	8
530286.0200	9
530286.0300	10
530286.0400	11



530287 Knitted gloves ANSELL

HyFlex® 11-561



INTERCEPT™ yarn provides **excellent cutting protection** without restricting finger movement while still being comfortable. The **breathable palm coating improves grip and extends glove life in tough applications**. Silicone-free material prevents metal parts from being contaminated by silicone particles before painting. The Oeko-Tex certificate guarantees that the gloves are free from dangerous substances, such as DMF and other chemicals. Fibre-glass free.

CE category II
EN 388:4X42C
EN 420:2003 + A1:2009
Pack of 12 pairs
Price per pair

Order ID	Size
530287.0100	8
530287.0200	9
530287.0300	10
530287.0400	11



530288 Knitted gloves ANSELL

HyFlex® 11-754



The **lightest glove with ANSI A4/ISO D cut protection** and integrated INTERCEPT™ technology. These ultra-thin, breathable gloves provide **outstanding cut protection** without sacrificing flexibility and tactility. **Touchscreen-compatible** so wearers don't have to remove the gloves for different tasks. Anatomical fit to reduce hand fatigue. Pure and skin-friendly fabric dermatologically tested by Dermatest®.

CE category II
EN 388:3X41D
EN 420:2003 + A1:2009
Pack of 12 pairs
Price per pair

Order ID	Size
530288.0100	8
530288.0200	9
530288.0300	10
530288.0400	11



530289 Knitted gloves ANSELL

HyFlex® 11-819 ESD



The **perfect combination of comfort, dexterity and ESD/touchscreen compatibility**. The HyFlex® 11-819 is a glove with ESD functionality certified to EN 16350:2014 that protects products from electrostatic discharge. It can also be worn in potentially explosive atmospheres as part of an ESD grounding system. **Touchscreen functionality** allows the wearer to operate touchscreens while wearing the gloves. The FORTIX™ nitrile foam coating provides an **excellent grip** and extends service life to reduce the total cost of ownership. The seamless 18-gauge nylon and spandex liner combined with the extremely thin FORTIX™ coating provides effective protection while maintaining near-bare-hand tactility for work requiring high precision and dexterity. The carefully selected materials, Ansell ZONZ™ Comfort Fit Technology and proprietary washing process make the HyFlex® 11-819 a clean, **extremely breathable** and superbly comfortable glove. Dermatologically tested by Dermatest®, Oeko-Tex-certified.

CE category II
EN 388:3121A
EN 420:2003 + A1:2009
Pack of 12 pairs
Price per pair

Order ID	Size
530289.0100	7
530289.0200	8
530289.0300	9
530289.0400	10
530289.0500	11



530293 Knitted gloves ANSELL

HyFlex® 11-920



HyFlex® 11-920 gloves provide a **secure grip and oil-repelling properties** for working in oily conditions. ANSELL grip™ Technology contains microscopic channels in the glove coating that drain away oil to provide a secure grip when handling oily parts. RIPEL™ Liquid Repellence Technology is a fluid-impermeable layer that prevents oil or lubricant from coming into contact with the wearer's skin to keep hands healthy. Seamless knit fabric with an outstanding fit and exceptional dexterity for maximum comfort throughout the work day.

CE category II
EN 388:3121A
EN 420:2003 + A1:2009
Pack of 12 pairs
Price per pair

Order ID	Size
530293.0100	8
530293.0200	9
530293.0300	10
530293.0400	11



530294 Knitted gloves ANSELL

HyFlex® 11-925



The 11-925 is the first **ultra-light, comfortable glove** in the HyFlex® range that combines **¾ coating, oil-repellent and oil grip properties and excellent dexterity** in a single model. The HyFlex® 11-925 has a grip profile based on Ansell GRIP Technology. This reduces the risk of objects slipping out of the hand during rapid work. The liner is made of a fine-mesh nylon/spandex yarn, which gives the user an unrestricted feeling almost like a second skin. This unique combination of protection, performance and flexibility features bridges the gap to the previous generation of oil-resistant multi-purpose gloves with ¾ coatings. Other features include **improved flexibility, sensitivity, secure oil grip and outstanding comfort**.

CE category II
EN 388:4111A
EN 420:2003 + A1:2009
Compatible with the REACH regulation
Pack of 12 pairs
Price per pair

Order ID	Size
530294.0100	8
530294.0200	9
530294.0300	10
530294.0400	11



530296 Knitted gloves ANSELL

HyFlex® 11-937



The **lightest cut protection and oil protection glove** with reinforced thumb crook and up to 12 times more durability for longer glove life. **Protects against injuries, oil and industrial fluids**. Extremely lightweight 18-gauge design for dexterity and excellent comfort. Reinforced thumb crook for increased protection and longer glove life. Secure grip in dry to slightly oily applications. High-durability FORTIX coating for longer glove service life. Silicone-free.

CE category III
EN 388:4X42B
EN 420:2003 + A1:2009
Compatible with the REACH regulation
Pack of 12 pairs
Price per pair

Order ID	Size
530296.0100	8
530296.0200	9
530296.0300	10
530296.0400	11



530297 Knitted gloves ANSELL

Ringers 065



Innovative impact protection and cut protection combined with outstanding dexterity for maximum wearing comfort in a variety of tasks. **Cutting protection in a breathable knit fabric. TPR impact protection on the back of the hand and full length of fingers.** Roughened nitrile half-coating on the palm for an outstandingly secure grip. High visibility for improved safety. Touchscreen compatibility on index/ middle finger and thumb tips. Outstanding wet and dry grip.

CE category II
EN 388:4X43DP
EN 420:2003 + A1:2009
Pack of 12 pairs
Price per pair

Order ID	Size
530297.0100	9
530297.0200	10
530297.0300	11



530321 Knitted nylon gloves ANSELL

HYFLEX 11-605



Ansell's HyFlex® 11-605 models are designed for light and delicate work with dry components that requires maximum freedom of movement. They fit like a second skin, enabling wearers to handle small objects conveniently and precisely.

They also protect products from fingerprints, glove-specific residues and cross-contamination. For all applications requiring precise and/or contamination-free handling of objects.

CE Category II
EN 388:003XA
Pack of 12 pairs

Order ID	Size
530321.0100	6
530321.0200	7
530321.0300	8
530321.0400	9
530321.0500	10



530407 Disposable neoprene gloves ANSELL

MICROFLEX® NeoTouch™ 25-201



Comfortable disposable glove made of neoprene with extended cuff. Excellent splash resistance against most acids and alcohols. Outstanding grip in wet and dry environments. Extended cuff protects wrist and forearm. As gloves in the Microflex® NeoTouch® range do not use natural latex, they are suitable for type-I protection against allergies.

The **powder-free** design also limits the risk of dermatitis. **Thickness: 0.16 mm.** They offer excellent protection against acids, bases and alcohols. Thanks to their exclusive formula, Microflex® NeoTouch® gloves are considered the most comfortable disposable synthetic gloves on the market. The PU inner coating of the Microflex® NeoTouch® gloves ensures that the gloves are easy to put on and take off. The textured fingertips provide a strong grip in dry and wet environments. The beaded edge creates a secure fit and the green colour makes them clearly visible. Microflex® NeoTouch® gloves have an AQL of 1.5 for pinholes. This complies with the legal requirements for medical gloves.

CE Category III
EN 420:2003 + A1:2009
EN 374-1, Type B, KPT, EN 374-5
Dispenser box containing 100 pieces.

Order ID	Size
530407.0100	S
530407.0200	M
530407.0300	L
530407.0400	XL



530418 Disposable gloves ANSELL

TouchNTuff 92-600



The TouchNTuff® is made of nitrile and offers four times higher puncture resistance compared to natural latex gloves and three times higher puncture resistance compared to disposable neoprene gloves. These gloves do not contain latex proteins, eliminating the risk of type-I allergies for the user. **Powder-free, thickness 0.12 mm, length 240 mm.** Initial skin irritation studies and insult patch tests have not shown any evidence of skin irritation or allergic contact dermatitis. This glove offers a firm grip in wet and dry environments and can be easily pulled on and off thanks to the unique formula with „Thin Nitrile Technology“.



CE Category III
EN 420:2003 + A1:2009
EN374-JKPT
Dispenser box containing 100 pieces.

Order ID	Size
530418.0100	6.5 - 7
530418.0200	7.5 - 8
530418.0300	8.5 - 9
530418.0400	9.5 - 10

530425 Disposable nitrile gloves

Microflex® 93-143



Versatile, **powder-free, disposable, blue nitrile gloves**, ideal for a wide range of industrial applications. **Thickness: 0.12 mm. Fully structured palm for a good grip on wet, dry and oily objects.** Silicone-free for better product protection. Tested for the handling of cytostatic drugs.



CE category III
EN 420:2003 + A1:2009
EC 2002/72; EU 2023/2006
EN 374:KPT
Dispenser box containing 100 pieces.

Order ID	Size
530425.0100	S
530425.0200	M
530425.0300	L
530425.0400	XL

530426 Disposable nitrile gloves

TouchNTuff® 93-250



Robust protection with outstanding grip on wet, oily and dry objects. Integrated Ansell GRIP™ Technology minimises the force required to grip objects, reduces hand fatigue and increases productivity. **Thickness 0.22 mm, powder-free.** Reduces the force required to grip wet and dry objects compared to commercially available nitrile gloves (by 80%). Reduces the palm force required to grip wet and dry objects (by 33%) compared to commercially available nitrile gloves (by 45%). Soft nitrile formulation for excellent comfort over longer wearing periods. Silicone-free fabric for outstanding product protection.



CE category III
EN 420:2003 + A1:2009
EN 16523-1
FDA21 CFR 177-2600
EN 374:JKPT
Dispenser box containing 100 pieces.

Order ID	Size
530426.0100	S
530426.0200	M
530426.0300	L
530426.0400	XL

530427 Disposable nitrile gloves

MicroFlex® MidKnight™ Touch 93-732



Increased dexterity and tactile sensitivity, thin yet durable fabric , **0.10 mm thick**. **Powder-free**. Striking black colour provides a good contrast and hides contamination with oils, body fluids and other stains. ERGOFORM™ Design Technology reduces muscle strain during repetitive work, increases comfort and increases productivity. Textured fingertips for safe handling of instruments and materials. Silicone-free for enhanced product protection.



CE category III
EN 420:2003 + A1:2009
EN 16523-1
EN 374:KPT
Dispenser box containing 100 pieces.

Order ID	Size
530427.0100	S
530427.0200	M
530427.0300	L
530427.0400	XL

530445 Natural latex gloves ANSELL

Alphatec 87-108



Length 61 cm, for work requiring **high wear resistance** and high resistance against **acids, alkalis** and other aggressive chemical substances. The non-porous surface also increases resistance against oils and fats; if the gloves come into contact with these substances,the gloves must be washed with soapy water before long break periods in order to preserve the service life. Also suitable for **sandblasting**. **Thickness 1.5 mm, length 610 mm**.



CE Category III
EN 420:2003 + A1:2009
EN 388:3121B, EN 374-1, AKLMPT, EN 374-5
Price per pair

Order ID	Size
530445.0050	9
530445.0100	10 1/2

530485 Nitrile gloves ANSELL

AlphaTec® Solvex® 37-675



Sol-Vex® achieves optimal results in dry and wet working environments, where **first-class chemical protection** is crucial. This reusable glove offers outstanding comfort with its unique high abrasion resistance. Sol-Vex® nitrile gloves are the perfect choice for safely handling aggressive chemicals. **Thickness 0.38 mm and length 330 mm**.



The cotton flock lining, along with the flexibility and ease of movement of Ansell's nitrile rubber, offers the user outstanding comfort. The diamond finish provides increased grip. The sandpatch finish of the Sol-Vex® offers a firm grip which reduces the amount of waste due to damaged fragile objects, thereby decreasing indirect costs.

CE Category III
EN 420:2003 + A1:2009
EN 388:4101X, EN 374-1, Type A, JKLOPT, EN 374-5
Pack of 12 pairs

Order ID	Size
530485.0020	6
530485.0050	7
530485.0100	8
530485.0200	9
530485.0300	10
530485.0400	11

530486 Nitrile gloves ANSELL

SOL-VEX 37-695



per pair, medium weight. Version with sandpatch finish. Length 380 mm, colour green, **thickness 0.425 mm**.

CE Category III
EN 388:4101A
EN 374-3: AJKLPT
Pack of 12 pairs
Price per pair

Order ID	Size
530486.0100	7
530486.0200	8
530486.0300	9
530486.0400	10
530486.0500	11

530535 Nitrile gloves ANSELL

ActivArm® Hycron® 27-805



A durable glove for demanding applications: **Lasts three times longer than heavyweight leather gloves**. Unique Ansell nitrile combination. **High resistance against sharp and abrasive materials**. More robust and flexible than PVC. Effective grease and oil barrier, no loss of quality like with leather or cotton gloves. Silicone-free. Ensures cleanliness for metal and engine manufacturing. Various designs, lengths and sizes. The perfect combination of glove features for every application. Length approx. 270 mm.

CE Category II
EN 420:2003 + A1:2009
EN 388:4121B
EN 388:4X21B

Order ID	Size
530535.0200	10

534707 Wash-in impregnation NIKWAX Polar Proof

Impregnation for fleece garments.

Nikwax Polar Proof® has been specially developed and optimised for fleece garments. It leaves a flexible, water-repellent layer on individual fibres, allowing moisture to pass through as it evaporates. This maintains breathability and optimises the performance of the fabric in wet weather. It also prevents the formation of knots in fleece fabrics for longer lasting garments and equipment.

Advantages:

- Provides a durable water repellent effect.
- Maintains the breathability of fleece.
- Prevents knotting (pilling) of fleece fabrics for longer durability.
- Safe and easy application in the washing machine.

Instructions for use:

- Clean garments first with NIKWAX Tech Wash.
- Shake product well before use.
- Max. 2 garments per wash.
- Dosage per garment: 50 ml.
- Air dry garments.

Appropriate accessories:

534706 Special detergent NIKWAX Tech Wash



Order ID	Contents ml
534707.0100	300

534708 Impregnation NIKWAX Softshell Proof Spray-On

Spray-on impregnation specifically designed for softshell garments.

Nikwax SoftShell Proof™ Spray-On is quick and easy to apply, and its high-level durable water repellency (DWR) is formed during air drying. It eliminates the need to tumble dry, saving you energy and protecting delicate, older garments from heat. Nikwax SoftShell Proof™ Spray-On has been specially developed and optimised for soft shell garments. It leaves a flexible, water-repellent layer on individual fibres, allowing moisture to pass through as it evaporates and maintaining breathability. The spray impregnation enables targeted treatment of stressed areas (e.g. elbows and jacket seams) without affecting the properties of the moisture-wicking inner lining.

- Advantages:
- Ideal for softshells with moisture-wicking linings.
 - Quick and easy to spray on.
 - Maintains breathability.
 - Forms a completely water repellent effect.

- Instructions for use:
- Clean garment first with NIKWAX Tech Wash.
 - Spread the wet garment flat.
 - Spray evenly from a distance of approx. 15 cm.
 - Allow to act for 2 minutes and distribute residues evenly.
 - Air-dry garment.

Appropriate accessories:

534706 Special detergent NIKWAX Tech Wash

Order ID	Contents ml
534708.0100	300



534778 Slip protection YETI

With spikes

Spikes on the sole around the heel and shoe tip area protect against slipping when stepping on and off different levels. A chain on the outer sole area provides a firm grip when walking in the snow. Quick and easy to use, it can be easily slipped over the shoes. **Can be used universally on men's and women's shoes thanks to durable elastic straps.**

Order ID	Size
534778.0100	38 - 46



536689 Disposable protective coat TYVEK

Model PL30NP, TYV PL30S WH NP



This **lab coat** has five press studs, a collar and **no pockets**, and provides a barrier against fine particles and fibres measuring over one micrometre. It is also **permeable to air and water vapour** yet **resistant to water-based liquids and aerosols**. The spun fibres made from high-density polyethylene provide an **ideal balance of protection, durability and comfort**. The elasticated cuffs ensure a perfect fit. The seams are stitched on the inside.

CE Category III

EN 14126: **Protection against infective agents**

EN 1149: **Protection with electrostatic properties**

EN 347: **Partial body protection, Category III, Type PB [6-B]**

Pack of 10

Price per piece

Order ID	Size
536689.0200	L



536731 High-visibility parka PAYPER

Dockyard orange

100% polyester with PU coating 180 g/MQ

Two-colour three-in-one high-visibility parka. Unlined outer jacket, full-length, concealed zip fastening, stowable hood, 2 front pockets with flap, mobile phone pocket and ring for attaching an ID card, 1 inside pocket with hook-and-loop fastening

Detachable inner, quilted jacket with detachable sleeves with elastic knitted cuffs, 2 front pockets with zip fastening, 1 inside pocket with zip and warm-sealed seams.

Alternatively also available:

536732 High-visibility parka PAYPER Dockyard yellow

Order ID	Size
536731.0100	S
536731.0200	M
536731.0300	L
536731.0400	XL
536731.0500	XXL



536732 High-visibility parka PAYPER

Dockyard yellow

100% polyester with PU coating 180 g/MQ

Two-colour three-in-one high-visibility parka. Unlined outer jacket, full-length, concealed zip fastening, stowable hood, 2 front pockets with flap, mobile phone pocket and ring for attaching an ID card, 1 inside pocket with hook-and-loop fastening

Detachable inner, quilted jacket with detachable sleeves with elastic knitted cuffs, 2 front pockets with zip fastening, 1 inside pocket with zip and warm-sealed seams.

Alternatively also available:

536731 High-visibility parka PAYPER Dockyard orange

Order ID	Size
536732.0100	S
536732.0200	M
536732.0300	L
536732.0400	XL
536732.0500	XXL



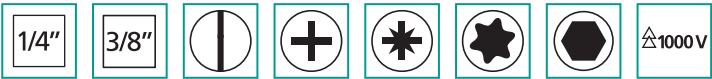
539815 Tool trolley FACOM

Facom Jet M3A, holding capacity of 3 tool modules per drawer; drawers are fully extendable with self-closing return spring for efficient and secure closing, extremely robust sheet steel construction with SOFT buffers on the 4 corners, reinforced worktop consisting of a 2-mm deep-drawn aluminium plate covering a 15-mm wooden board, fully integrated handle, retractable side edges with holders for 8 screwdrivers, which slide into the worktop under heavy loads. Centralised locking system with foldable key; 4 high-performance wheels with a diameter of 125 mm, 2 swivelling, 2 fixed, each with a locking brake; epoxy powder coating. Perforated sides for attaching tools using hooks or holders. Various accessories can be attached to the sides and back panel, such as holders for canisters, additional cabinets etc.

Order ID	539815.0100
Type	JET.8NM3A
Colour	RAL 9005/black
Width	mm 814
Height	mm 1005
Depth	mm 575
Number of drawers	8
Drawer height	mm 6 x 60 2 x 130
Drawers usable area	mm 569 x 421
Weight	kg 79



540510 Workshop trolley WIHA VDE eMobility



Wiha eMobility set, 113 pieces, equipped with safe, high-quality tools, **specifically for work, assembly and repairs on hybrid and electric vehicles.** The compact workshop trolley always provides the right tool for the job. The majority of the hand tools offer additional safety when working on live parts thanks to their VDE-certified insulation. Distributed over five drawers, the tools are protected and clearly arranged in precisely fitting foam inserts. Thanks to the fully extendable drawers, the tools are always easily accessible and can be used quickly. Additional storage space and the integrated four-way power socket allow the trolley to be expanded to meet specific requirements, even incorporating electrical equipment. A further advantage of the workshop trolley is the ability to move it around while working thanks to the roller runners with locking devices that can carry up to 150 kg of content.

Order ID	Type	Parts	Number of drawers	Dimensions mm	Weight kg
540510.0100	eMobility Set	113	5	950 x 680 x 540	56



550425 Tool bag MAGMA

Wide-opening double-sided storage provides a multitude of options for holding tools and equipment. Vertically arranged pockets and holders for easy access, **full access to all tools from above**. Over 60 pockets and holders for flexibility and organisation. Waterproof and tear-resistant polymer bottom tray for protection against water and dirt. Very hard-wearing zips protected against piercing by sharp objects help to ensure a long service life. Padded handle and shoulder strap for optimal comfort. Practical pocket with zip fastening. Durable polyester design.

Order ID	Type	Dimensions mm
550425.0100	MA2640	450 x 290 x 340



550490 Wheeled rucksack trolley Magma

Robust and durable chassis for use on any terrain, **can be used as a backpack and pull-along trolley**. Special padding with removable shoulder straps. Vertical storage pockets for easy access to tools. 39 pockets and holders with space in the bottom tray for larger tools. Balanced design remains upright even when fully open. Removable wheel cover to protect clothing. Rubberised waterproof and unbreakable bottom tray.

Order ID	Type	Dimensions mm
550490.0100	MA2654	550 x 380 x 240



550500 Tool bag MAGMA

Practical all-in-one **tool and test equipment bag**. 27 pockets and straps, adjustable padded compartments and lockable high-performance zip for extra security. 100% waterproof and tear-resistant polymer bottom tray for protection against water and dirt. Robust polyester design. Integrated strap for attaching to a trolley.

Order ID	Type	Dimensions mm
550500.0100	MA2641	360 x 240 x 220



550805 Key safe kasp

kasp key safe 90 mm, tough, powder-coated zinc die-cast body for high resistance to corrosion. Matt black surface is discreet and unobtrusive. Dial cover offers protection against the elements. Configurable four-digit code offers convenient yet extremely secure access. Easy to install thanks to the instructions included.

Order ID	Type	Size outside mm	Size inside mm
550805.0100	Key Safe 90	120 x 90	93 x 65



550810 Key safe kasp

kasp key safe 75 mm, tough, powder-coated zinc die-cast body for high resistance to corrosion. Matt black surface is discreet and unobtrusive. Configurable four-digit code offers convenient yet extremely secure access. Easy to install thanks to the instructions included.

Order ID	Type	Size outside mm	Size inside mm
550810.0100	Key Safe 75	94 x 75	73 x 56



550815 Lockout kit kasp

Universal kit for circuit breakers. Quick and easy installation with no tools required. Compact, universal design. With carabiner to safely store components.

Order ID	550815.0100
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550820 Lockout kit kasp

For users of lockout systems. **Ideal kit for a wide range of circuit breakers**, including breakers of more than 60 A. Easy to use and can be stored securely in the robust pouch.

Order ID	550820.0100
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550825 Lockoff hasp kasp

Made from nylon to secure electrical equipment and breakers. Non-conductive and non-sparking. Takes up to six padlocks.

Appropriate accessories:

- 550735 Padlock ABUS
- 550740 Padlock ABUS
- 550750 Padlock ABUS
- 550751 Padlock ABUS 65 GL
- 550755 Padlock kasp
- 550757 Padlock kasp
- 550760 Padlock FUTURO

Order ID	Crate width mm	Inside clamp height mm	for
550825.0100	45	75	up to six padlocks with shackles with a maximum diameter of 8 mm



550830 Safety padlock kasp

For securing electrical equipment and breakers. Non-conductive and non-sparking. The key can only be pulled out when the padlock is closed. Comes with six 'DANGER' stickers in different colours, white 'Property of' stickers and a key.

Order ID	Crate width mm	Inside clamp height mm	Clamp Ø mm
550830.0100	38	38	6



550835 Lockout kasp

Compact, universal design. Quick and easy installation with no tools required.

Order ID	550835.0100
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550840 Mini lockout kasp

For use on wide circuit breakers. Extra wide for larger circuit breakers over 60 amps. For use with a 25-mm brass padlock (not included).

Appropriate accessories:

- 550735 Padlock ABUS
- 550740 Padlock ABUS
- 550760 Padlock FUTURO

Order ID	550840.0100
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656041 Protective cover STIHL for GTA 26

Single protective cover for STIHL wood trimmer GTA 26. Spare parts set consisting of protective cover, spring, sleeve and screw.

Order ID	STIHL article number
656041.0100	GA01 710 7020



656459 Attachment set catcher bag for SHA 56

Dust-reducing catcher bag and ideal supplement to the catcher bag supplied as standard with the SHA 56 for particularly dusty applications. The elbow is flexibly connected to the adapter piece so that movements are compensated and the catcher bag is less likely to bend. The accessory catch bag can be mounted quickly and easily.

Order ID	Contents	suitable for
656459.0100	I 45	SHA 56



656460 Shredding blades STIHL for SHA 56

Shredding blades for STIHL battery-powered vacuum shredder SHA 56. Spare parts set consists of 2 shredding blades, nut and washer.

Order ID	STIHL article number
656460.0100	SA02 770 0900



656860 Cordless sprayer STIHL SGA 85

AP battery system



Cordless sprayer with a powerful diaphragm pump. Excellent spraying performance up to 6 bar and large volume flow. Working pressure can be controlled by a rotary control. The low weight and the high-quality carrying system ensure a high level of working comfort and low fatigue thanks to not having to use a manual pump. Ideal for the application of disinfectants, herbicides, pesticides and fungicides in agriculture and in horticulture, fruit growing and viticulture. No exhaust gasses means you can use it in greenhouses and indoors. Comprehensive range of accessories for a wide variety of uses and applications.



SGA 85

Features:

- 17 litre capacity
- Powerful thanks to powerful diaphragm pump
- High working comfort due to low weight and comfort carrying system
- Stepless regulation of the working pressure without having to take the tool off the ground
- Working time with recommended AP 100 battery is up to 510 minutes.
- Compatible with the complete range of STIHL SG accessories
- Versatile use and application possibilities
- Allowed battery: STIHL AP 100 and AP 200

Order ID		656860.0100	656860.0200
Type		SGA 85 (SET)	SGA 85 (SOLO)
Battery included		With AP 100	Battery not included
Charger included		With AL 300	Charger not included
Container capacity	l	17	17
Working pressure max.	bar	6	6
Nominal voltage	V	36	36
Sound pressure level	dB(A)	66	66
Sound power level	dB(A)	77	77
Vibration level	m/s²	0.9	0.9
AP 100 battery life	min	510	510
AP 200 battery life	min	1000	1000
Weight without battery	kg	6.2	6.2

658010 Cookie Cutters STIHL

With or without a star on top, a Christmas tree also makes a delicious treat. As a cookie, of course. The corresponding cookie cutters are available in the STIHL Christmas Collection. Perhaps the craziest cookie in the world is shaped like a chainsaw. It is the tastiest - and quietest - chainsaw from STIHL.

Material: stainless steel

Sizes: Christmas tree 8 x 5.9 cm, chainsaw 9 x 3.1 cm



Order ID	658010.0100
Contents	Set of 2 with fir tree and chainsaw

658011 Rolling Pin STIHL Ornament

For STIHL, Christmas just wouldn't be Christmas without chainsaws. And because STIHL loves wood so much, the Christmas Collection now also includes an with chainsaws embossed rolling pin.
Material: wood



Order ID	658011.0100	
Size	cm	39 x 5