

Hi-Tech

PRECISION
TOOLING

Light

M
R
O

HANDLING

Tech

LUBRICANTS

Technology

METROLOGY

NET PRICES VALID UNTIL 31.05.26 (VAT EXCLUDED)

EN

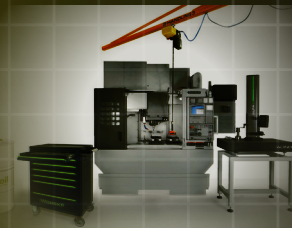




The A + B Group is an industrial reality that has 14 companies producing and distributing products around 3 meters from the machine tool.



Worldwide we serve more than 15.000 customers.



The technological level of the products we market are designed to reduce processing time, increase the production level and improve efficiency and operations within the mechanical workshop.



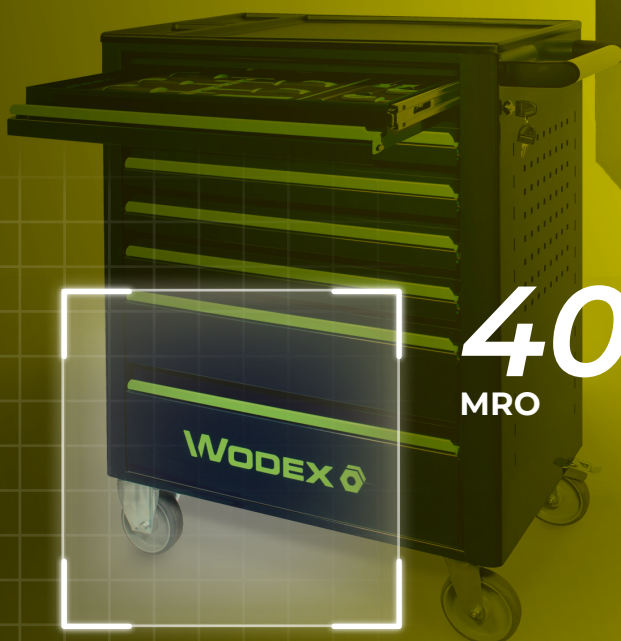
Our catalogue contains more than 27.000 items including both private and well known brands (Mitutoyo, Milwaukee,...).



We have 5 production sites where we develop highly technological products.

We guarantee high added value consultancy thanks to our strong territorial presence, with 120 technical engineers and product managers.

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LUBRICANTS



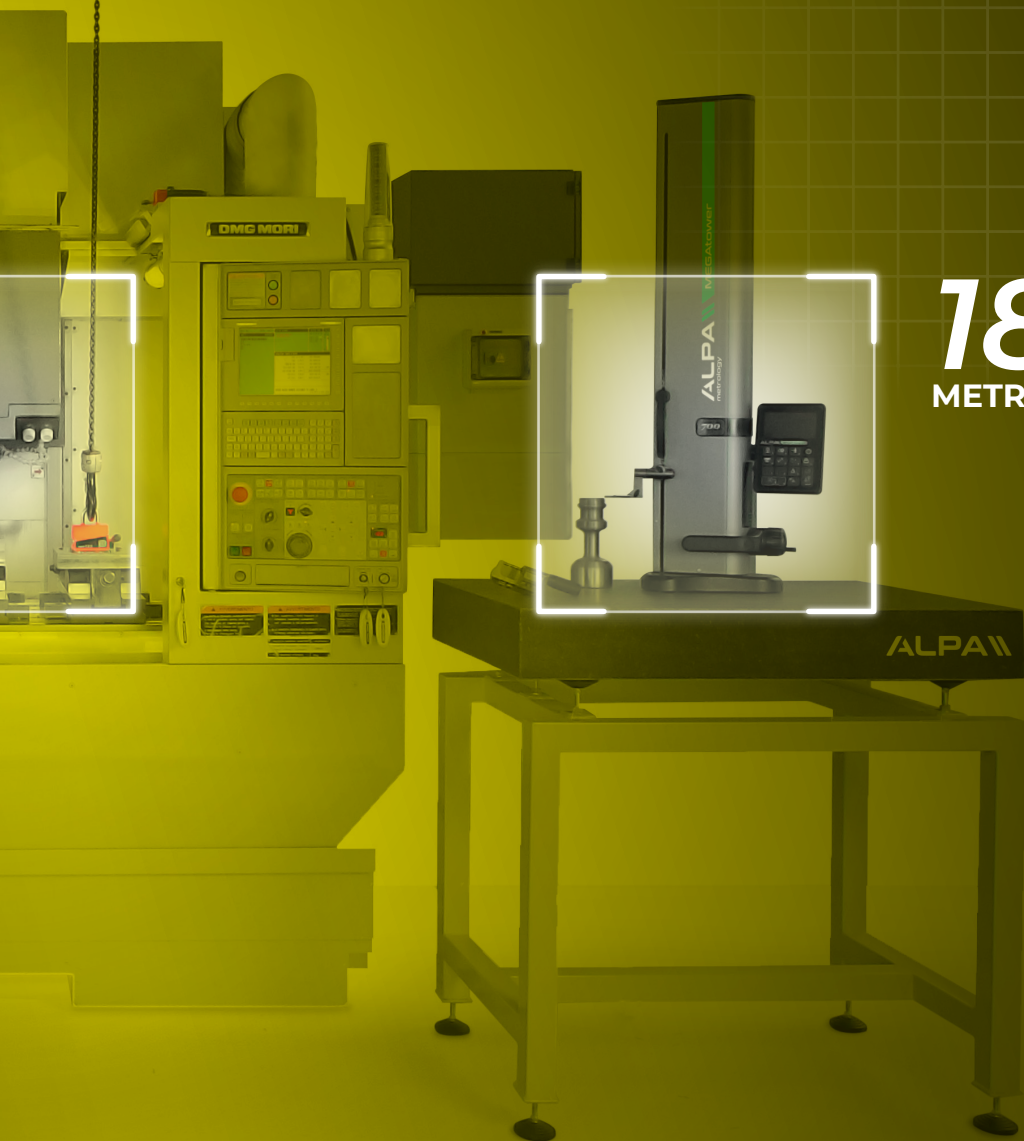
40
MRO

04
PRECISION
TOOLING

*in 3 m
everything*



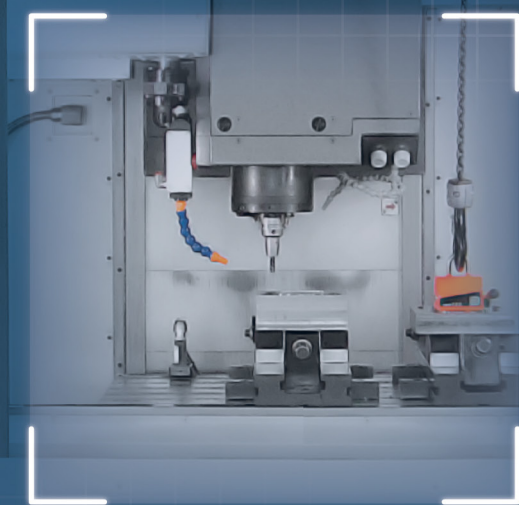
60
HANDLING



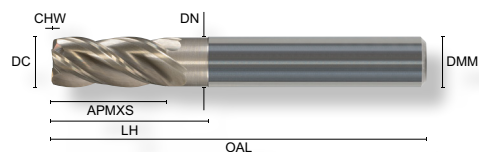
18
METROLOGY

eters
you need

PRECISION TOOLING



P	M	K	N	S	H	O		
TOOL TYPE	MATERIAL	TOOL DESIGN	ANGLES	ZEFP	SHANK	CORNER	COATING	STANDARD
N	HM	HPC	$\lambda_s = 37^\circ/39^\circ$ $\gamma_s = 12^\circ$		DIN 6535 HB DIN 6535 HA		PLATEX	
DIRECTIONS	SLOTING	SIDE MILLING	RAMPING	PLUNGING	HELICAL INT.			

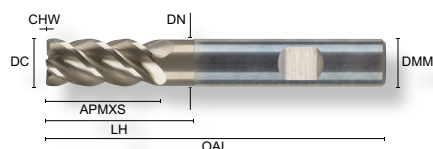


END MILLS WITH VARIABLE HELIX Z4

CODE	Price List	HT	DC f8 mm	APMXS mm	DN mm	LH mm	OAL mm	DMM h5 mm	CHW mm	ZEFP
A4U4704	53,92	33,00	4	11	3,9	12	57	6	0,1	4
A4U4705	54,09	34,00	5	13	4,9	18	57	6	0,1	4
A4U4706	56,38	35,00	6	13	5,9	18	57	6	0,1	4
A4U4708	68,05	42,00	8	21	7,8	25	63	8	0,2	4
A4U4710	90,88	56,00	10	22	9,7	30	72	10	0,2	4
A4U4712	116,80	72,00	12	26	11,7	36	83	12	0,3	4
A4U4714	139,88	87,00	14	26	13,7	36	83	14	0,3	4
A4U4716	204,00	126,00	16	36	15,5	42	92	16	0,3	4
A4U4720	322,32	200,00	20	41	19,5	52	103	20	0,3	4

* For the same price, cutters are also available with Weldon shank from DMM ≥ 6 mm

P	M	K	N	S	H	O		
								
TOOL TYPE	MATERIAL	TOOL DESIGN	ANGLES	ZEFP	SHANK	CORNER	COATING	STANDARD
N	HM	HPC	$\lambda_s = 44^\circ/16^\circ$ $\gamma_s = 13^\circ$		DIN 6535 HB		PLATEX	
DIRECTIONS	SLOTING	SIDE MILLING	RAMPING	PLUNGING	HELICAL INT.			
								



END MILLS WITH VARIABLE PITCH Z4

CODE	Price List	HT	DC f8 mm	APMXS mm	DN mm	LH mm	OAL mm	DMM h6 mm	CHW mm	ZEFP
A4U4403W	30,00	19,00	3	8			57	6	0,1	4
A4U4404W	30,00	19,00	4	11			57	6	0,1	4
A4U4405W	30,00	19,00	5	13	4,9	18	57	6	0,1	4
A4U4406W	30,00	19,00	6	13	5,9	18	57	6	0,1	4
A4U4408W	42,32	26,00	8	21	7,8	25	64	8	0,2	4
A4U4410W	57,27	36,00	10	22	9,7	30	72	10	0,2	4
A4U4412W	75,04	47,00	12	26	11,7	36	83	12	0,3	4
A4U4414W	103,63	64,00	14	26	13,7	36	83	14	0,3	4
A4U4416W	132,31	82,00	16	36	15,5	42	92	16	0,3	4
A4U4420W	195,03	121,00	20	41	19,5	52	104	20	0,3	4

* For the same price, cutters are also available with Weldon shank from DMM ≥ 6 mm

Z4 VARIABLE PITCH AND HELIX CUTTER KIT

Micro-grain solid carbide cutter kit, ideal for slotting, contouring and ramping. Suitable for steels, stainless steels, cast irons and heat resistant alloys.

A4U65 for HDM processing



CODE	Price List	HT	Composition
A4U40KIT	325,00	225,00	DC= 6, 8, 10, 12, 16
A4U40KITW	325,00	225,00	DC= 6, 8, 10, 12, 16
A4U65KITW	563,00	375,00	DC= 10, 12, 16



UNIVERSAL

Smoother and quieter cutting

The grooves and polished corners improve chip evacuation and help reduce friction and noise during machining

Maximum resistance to the highest temperatures

The innovative PLATEX coating makes the tool suitable for universal machining, ensuring high thermal resistance up to 1,050 °C

Superior stability and extended service life

The specific preparation of the cutting edge improves stability during machining and helps to increase tool life.

Achieve high performance on steel, austenitic steel, cast iron and titanium alloys

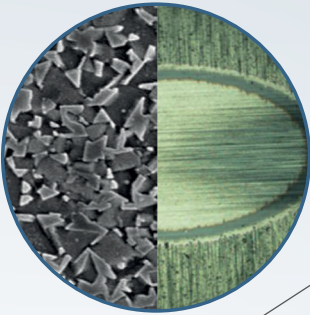
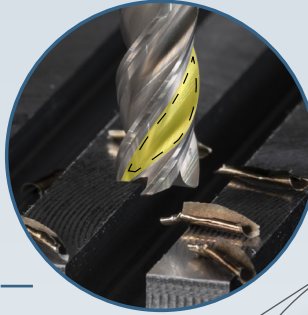


Performs pocketing, contouring, ramps, plunging, and helical interpolation



High chip removal rates

HPC (High Power Cutting) technology enables high chip removal rates

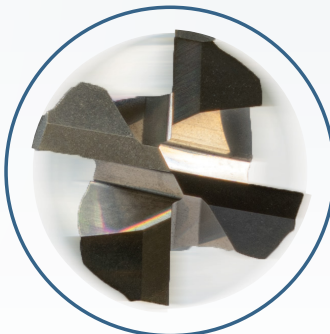


Balance between hardness and toughness

Special hard metal designed for an optimal balance between wear resistance and toughness

Rapid feed rates and enhanced resistance

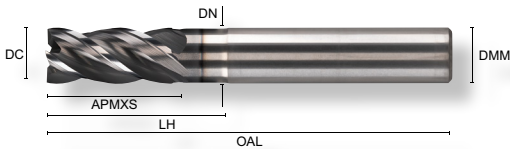
The modified front rake angle improves impact resistance and allows for higher feed rates



Superior strength and optimised evacuation

The rounded design of the compartment improves resistance and chip evacuation

P	M	K	N	S	H	O	
TOOL TYPE	MATERIAL	TOOL DESIGN	ANGLES	ZEFP	SHANK	CORNER	STANDARD
N	HM	HPC	$\lambda_s = 35^\circ/38^\circ$ $\gamma_s = 5^\circ$		DIN 6527 HB DIN 6527 HA		
DIRECTIONS	SLOTING	SIDE MILLING	RAMPING	HELICAL INT.			



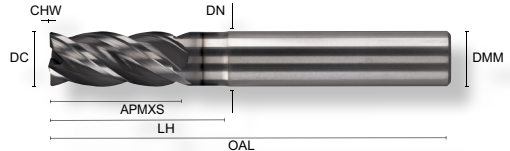
END MILLS WITH VARIABLE PITCH Z4

CODE	Price List	HT	DC mm	APMXS mm	DN mm	LH mm	OAL mm	DMM h6 mm	ZEFP
A4S4303	23,56	15,00	3	8	2,8	12	57	6	4
A4S4304	23,56	15,00	4	11	3,8	15	57	6	4
A4S4305	23,56	15,00	5	13	4,8	17	57	6	4
A4S4306	23,56	15,00	6	13	5,8	21	57	6	4
A4S4308	35,04	22,00	8	19	7,7	27	63	8	4

CODE	Price List	HT	DC mm	APMXS mm	DN mm	LH mm	OAL mm	DMM h6 mm	ZEFP
A4S4310	53,00	33,00	10	22	9,7	32	72	10	4
A4S4312	73,90	46,00	12	26	11,6	38	83	12	4
A4S4316	120,52	80,00	16	32	15,5	44	92	16	4
A4S4320	194,07	120,00	20	38	19,5	54	104	20	4

* For the same price, cutters are also available with Weldon shank from DMM ≥ 6 mm

P	M	K	N	S	H	O	
●	○	●	■	■	○	■	
TOOL TYPE	MATERIAL	TOOL DESIGN	ANGLES	ZEFP	SHANK	CORNER	STANDARD
N	HM	HPC	$\lambda_s = 35/38^\circ$ $\gamma_s = 5^\circ$		DIN 6527 HB DIN 6527 HA		
DIRECTIONS	SLOTING	SIDE MILLING	RAMPING	HELICAL INT.			
							



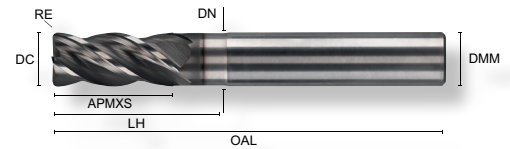
END MILLS WITH VARIABLE PITCH Z4

CODE	Price List	HT	DC mm	APMXS mm	DN mm	LH mm	OAL mm	DMM h6 mm	CHW mm	ZEFP
A4S5303	23,56	15,00	3	8	2,8	12	57	6	0,15	4
A4S5304	23,56	15,00	4	11	3,8	15	57	6	0,15	4
A4S5305	23,56	15,00	5	13	4,8	17	57	6	0,15	4
A4S5306	23,56	15,00	6	13	5,8	21	57	6	0,2	4

CODE	Price List	HT	DC mm	APMXS mm	DN mm	LH mm	OAL mm	DMM h6 mm	CHW mm	ZEFP
A4S5308	35,04	22,00	8	19	7,7	27	63	8	0,2	4
A4S5310	53,00	33,00	10	22	9,7	32	72	10	0,3	4
A4S5312	73,90	46,00	12	26	11,6	38	83	12	0,3	4
A4S5316	120,52	80,00	16	32	15,5	44	92	16	0,3	4

* For the same price, cutters are also available with Weldon shank from DMM ≥ 6 mm

P	M	K	N	S	H	O	
●	○	●	■	■	○	■	
TOOL TYPE	MATERIAL	TOOL DESIGN	ANGLES	ZEFP	SHANK	CORNER	STANDARD
N	HM	HPC	$\lambda_s = 35^\circ/38^\circ$ $\gamma_s = 5^\circ$		DIN 6527 HB DIN 6527 HA		
DIRECTIONS	SLOTING	SIDE MILLING	RAMPING	HELICAL INT.			
							



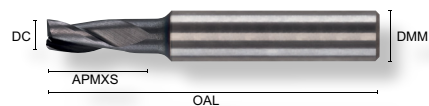
CORNER RADIUS END MILLS WITH VARIABLE HELIX Z4

CODE	Price List	HT	DC mm	RE mm	APMXS mm	DN mm	LH mm	OAL mm	DMM h6 mm	ZEFP
A4S160403	33,73	21,00	4	0,3	11	3,8	15	57	6	4
A4S160405	32,75	20,00	4	0,5	11	3,8	15	57	6	4
A4S160503	33,73	21,00	5	0,3	13	4,8	17	57	6	4
A4S160505	33,73	21,00	5	0,5	13	4,8	17	57	6	4
A4S160605	32,75	20,00	6	0,5	13	5,8	21	57	6	4
A4S160610	32,75	20,00	6	1	13	5,8	21	57	6	4
A4S160805	43,48	27,00	8	0,5	19	7,7	27	63	8	4

CODE	Price List	HT	DC mm	RE mm	APMXS mm	DN mm	LH mm	OAL mm	DMM h6 mm	ZEFP
A4S160810	43,93	27,00	8	1	19	7,7	27	63	8	4
A4S161005	62,32	39,00	10	0,5	22	9,7	32	72	10	4
A4S161010	62,32	39,00	10	1	22	9,7	32	72	10	4
A4S161020	65,00	40,00	10	2	22	9,7	32	72	10	4
A4S161205	77,39	48,00	12	0,5	26	11,6	38	83	12	4
A4S161210	77,39	48,00	12	1	26	11,6	38	83	12	4
A4S161220	79,74	49,00	12	2	26	11,6	38	83	12	4

* For the same price, cutters are also available with Weldon shank from DMM ≥ 6 mm

P	M	K	N	S	H	O	
●	○	●	○	○	○	○	
TOOL TYPE	MATERIAL	ANGLES	ZEFP	SHANK	CORNER	COATING	EXTRA SHORT
N	HM	$\lambda_s = 30^\circ$ $\gamma_s = 12^\circ$		DIN 6535 HB DIN 6535 HA		TiAlN	
DIRECTIONS	SLOTTING	SIDE MILLING	RAMPING	PLUNGING	HELICAL INT.		
							

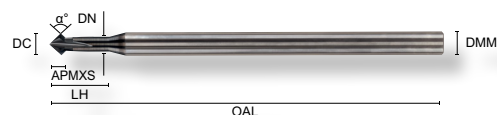


END MILLS Z3

CODE	Price List	HT	DC h10 mm	APMXS mm	OAL mm	DMM h6 mm	CHW mm	ZEFP
A4S3201	49,58	12,00	1	2	38	3	0,02	3
A4S32015	49,58	12,00	1,5	2	38	3	0,02	3
A4S3202W	23,50	15,00	2	4	38	6	0,02	3
A4S3202,5W	23,87	15,00	2,5	5	37	6	0,05	3
A4S3203W	23,50	15,00	3	5	38	6	0,05	3
A4S32035W	21,74	13,00	3,5	6	38	6	0,05	3
A4S3204W	23,50	15,00	4	7	38	6	0,05	3
A4S32045W	21,74	13,00	4,5	8	38	6	0,05	3
A4S3205W	24,82	15,00	5	8	38	6	0,05	3
A4S32055W	22,37	14,00	5,5	8	38	6	0,05	3
A4S320575W	24,23	15,00	5,75	8	38	6	0,05	3
A4S3206W	24,82	15,00	6	8	38	6	0,05	3

CODE	Price List	HT	DC h10 mm	APMXS mm	OAL mm	DMM h6 mm	CHW mm	ZEFP
A4S3207W	25,37	16,00	7	10	42	8	0,1	3
A4S320775W	29,46	18,00	7,75	10	42	8	0,1	3
A4S3208W	34,12	21,00	8	11	43	8	0,1	3
A4S32087W	43,61	27,00	8,7	11	48	10	0,1	3
A4S3209W	35,54	22,00	9	11	48	10	0,1	3
A4S32097W	43,61	27,00	9,7	11	48	10	0,1	3
A4S3210W	46,83	29,00	10	13	50	10	0,1	3
A4S3212W	59,67	37,00	12	15	55	12	0,1	3
A4S3214W	65,95	41,00	14	15	58	14	0,15	3
A4S3216W	85,83	53,00	16	18	62	16	0,15	3
A4S3220W	137,51	85,00	20	22	65	20	0,15	3

P	M	K	N	S	H	O
●	○	●	○	○	○	○
TOOL TYPE	MATERIAL	ANGLES	ZEFP	SHANK	COATING	STANDARD
N	HM	$\lambda_s = 0^\circ$ $\gamma_s = 0^\circ$		DIN 6535 HA	TiAlN	
DIRECTIONS	CHAMFERING					



CHAMFER END MILLS - 45°

CODE	Price List	HT	DC mm	APMXS mm	DN mm	α°	LH mm	OAL mm	DMM mm	ZEFP
A4S3603	91,31	57,00	3	2	2,2	90	10	75	4	1
A4S3604	91,31	57,00	4	2,7	2,9	90	13	75	4	1

CODE	Price List	HT	DC mm	APMXS mm	DN mm	α°	LH mm	OAL mm	DMM mm	ZEFP
A4S3605	91,31	57,00	5	3	3,9	90	15	75	5	1
A4S3606	92,83	58,00	6	4	3,9	90	15	100	6	1

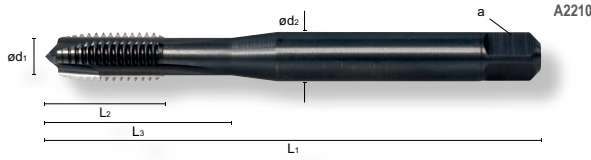
P	M	K	N	S	H	O
●	○	●	○	○	○	○
TOOL TYPE	MATERIAL	ANGLES	ZEFP	SHANK	COATING	STANDARD
N	HM	$\lambda_s = 0^\circ$ $\gamma_s = 0^\circ$		DIN 6535 HA	TiAlN	
DIRECTIONS	CHAMFERING					



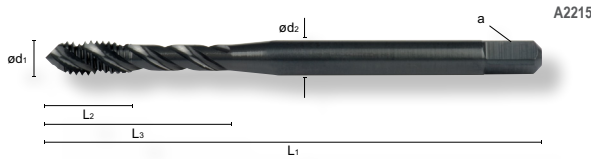
CHAMFER END MILLS - 45°

CODE	Price List	HT	DC mm	APMXS mm	α°	OAL mm	DMM mm	DF mm	ZEFP
A4S3708	129,48	80,00	8	2	90	100	6	5,9	2

CODE	Price List	HT	DC mm	APMXS mm	α°	OAL mm	DMM mm	DF mm	ZEFP
A4S3710	161,85	100,00	10	4	90	100	6	5,9	2
A4S3712	192,97	120,00	12	6	90	100	6	5,9	2

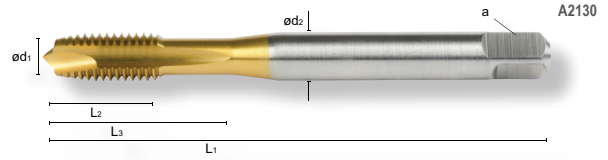


P	M	K	N	S	H	O		
								
DIN13	TOLERANCE	MATERIAL	SHANK	HOLE TYPE	TOOL TYPE	CHAMFER	FLUTES	GEOMETRY
M	ISO 2 6H	HSSE	DIN 371 DIN 376	 	Cutting	B 4-5	Straight	Spiral pointed
GEOMETRY	COATING	DEPTH						
Spiral pointed	VAP	< 2,5xD						

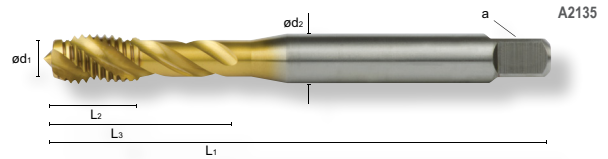


P	M	K	N	S	H	O	
							
DIN13	TOLERANCE	MATERIAL	SHANK	HOLE TYPE	TOOL TYPE	FLUTES	GEOMETRY
M	ISO 2 6H	HSSE	DIN 371 DIN 376		Cutting	Helical 40°	Spiral flutes
GEOMETRY	COATING	DEPTH					
Spiral flutes	VAP	< 2,5xD					

CODE	Price List	HT	d1 mm	P mm	L1 mm	L2 mm	L3 mm	d2 mm	a mm	DIN	Z
A2210M2	25,94	16,00	M2	0,4	45	7	11	2,8	2,1	371	2
A2210M2,5	22,16	14,00	M2,5	0,45	50	9	15	2,8	2,1	371	3
A2210M3	22,03	14,00	M3	0,5	56	10	18	3,5	2,7	371	3
A2210M4	22,27	14,00	M4	0,7	63	12	21	4,5	3,4	371	3
A2210M5	23,75	15,00	M5	0,8	70	14	24,5	6	4,9	371	3
A2210M6	24,10	15,00	M6	1	80	16	29	6	4,9	371	3
A2210M7	37,79	23,00	M7	1	80	16	29	7	5,5	371	3
A2210M8	27,43	17,00	M8	1,25	90	18	33	8	6,2	371	3
A2210M10	32,36	20,00	M10	1,5	100	20	36	10	8	371	3
A2210M12	44,53	28,00	M12	1,75	110	24	-	9	7	376	4
A2210M14	53,92	33,00	M14	2	110	25	-	11	9	376	4
A2210M16	58,10	36,00	M16	2	110	28	-	12	9	376	4
A2210M18	64,96	40,00	M18	2,5	125	32	-	14	11	376	4
A2210M20	91,35	57,00	M20	2,5	140	32	-	16	12	376	4
A2210M22	106,84	66,00	M22	2,5	140	32	-	18	14,5	376	4
A2210M24	132,21	82,00	M24	3	160	36	-	18	14,5	376	4
A2210M27	135,54	84,00	M27	3	160	36	-	20	16	376	4
A2210M30	150,80	93,00	M30	3,5	180	40	-	22	18	376	4
A2215M2	26,29	16,00	M2	0,4	45	6	12	2,8	2,1	371	3
A2215M2,5	31,45	19,00	M2,5	0,45	50	6,5	15	2,8	2,1	371	3
A2215M3	24,10	15,00	M3	0,5	56	7	15	3,5	2,7	371	3
A2215M4	24,10	15,00	M4	0,7	63	8,5	21	4,5	3,4	371	3
A2215M5	25,13	16,00	M5	0,8	70	10	24,5	6	4,9	371	3
A2215M6	25,48	16,00	M6	1	80	12	29	6	4,9	371	3
A2215M7	39,99	25,00	M7	1	80	12	29	7	5,5	371	3
A2215M8	29,49	18,00	M8	1,25	90	15	33	8	6,2	371	3
A2215M10	36,04	22,00	M10	1,5	100	17,5	38	10	8	371	3
A2215M12	44,53	28,00	M12	1,75	110	18	-	9	7	376	4
A2215M14	56,81	35,00	M14	2	110	20,5	-	11	9	376	4
A2215M16	63,01	39,00	M16	2	110	20,5	-	12	9	376	4
A2215M18	96,40	60,00	M18	2,5	125	25,5	-	14	11	376	4
A2215M20	107,34	67,00	M20	2,5	140	29,5	-	16	12	376	4
A2215M22	114,64	71,00	M22	2,5	140	29,5	-	18	14,5	376	4
A2215M24	126,46	78,00	M24	3	160	35,5	-	18	14,5	376	4
A2215M27	138,98	86,00	M27	3	160	37,5	-	20	16	376	5
A2215M30	172,83	107,00	M30	3,5	180	42	-	22	18	376	5



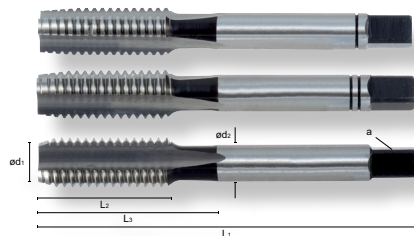
P	M	K	N	S	H	O	
●	●	●	●				
DIN13	TOLERANCE	MATERIAL	SHANK	HOLE TYPE	TOOL TYPE	FLUTES	GEOMETRY
M	ISO 2 6H	HSSE	DIN 371 DIN 376		Cutting	Straight	Spiral pointed
GEOMETRY	COATING	DEPTH					
Spiral pointed	TiN	< 2.5xD					



P	M	K	N	S	H	O	
●	●	●	●				
DIN13	TOLERANCE	MATERIAL	SHANK	HOLE TYPE	TOOL TYPE	FLUTES	GEOMETRY
M	ISO 2 6H	HSSE	DIN 371 DIN 376		Cutting	Helical 40°	Spiral flutes
GEOMETRY	COATING	DEPTH					
Spiral flutes	TiN	< 2.5xD					

CODE	Price List	HT	d1 mm	P mm	L1 mm	L2 mm	L3 mm	d2 mm	a mm	DIN	Z
A2130M2	36,96	23,00	M2	0,4	45	7	11	2,8	2,1	371	2
A2130M2,5	32,25	20,00	M2,5	0,45	50	9	15	2,8	2,1	371	3
A2130M3	29,26	18,00	M3	0,5	56	10	18	3,5	2,7	371	3
A2130M4	29,26	18,00	M4	0,7	63	12	21	4,5	3,4	371	3
A2130M5	29,26	18,00	M5	0,8	70	14	24,5	6	4,9	371	3
A2130M6	29,26	18,00	M6	1	80	16	29	6	4,9	371	3
A2130M8	36,27	22,00	M8	1,25	90	18	33	8	6,2	371	3
A2130M10	42,93	27,00	M10	1,5	0	20	36	10	8	371	3
A2130M12	52,80	33,00	M12	1,75	110	24	-	9	7	376	4
A2130M14	69,08	43,00	M14	2	110	25	-	11	9	376	4
A2130M16	77,69	48,00	M16	2	110	28	-	12	9	376	4
A2130M18	96,17	60,00	M18	2,5	125	32	-	14	11	376	4
A2130M20	129,91	81,00	M20	2,5	140	32	-	16	12	376	4
A2130M22	130,48	81,00	M22	2,5	140	32	-	18	14,5	376	4
A2130M24	192,69	119,00	M24	3	160	36	-	18	14,5	376	4
A2130M27	233,32	145,00	M27	3	160	36	-	20	16	376	4
A2130M30	274,64	170,00	M30	3,5	180	40	-	22	20	376	4
A2130M33	324,90	201,00	M33	3,5	180	40	-	25	20	376	5
A2135M2	34,09	21,00	M2	0,4	45	6	12	2,8	2,1	371	3
A2135M2,5	34,09	21,00	M2,5	0,45	50	6,5	15	2,8	2,1	371	3
A2135M3	31,56	20,00	M3	0,5	56	7	15	3,5	2,7	371	3
A2135M4	31,56	20,00	M4	0,7	63	8,5	21	4,5	3,4	371	3
A2135M5	31,56	20,00	M5	0,8	70	10	24,5	6	4,9	371	3
A2135M6	31,56	20,00	M6	1	80	12	29	6	4,9	371	3
A2135M8	38,56	24,00	M8	1,25	90	15	33	8	6,2	371	3
A2135M10	45,91	28,00	M10	1,5	100	17,5	38	10	8	371	3
A2135M12	57,04	35,00	M12	1,75	110	18	-	9	7	376	4
A2135M14	74,14	46,00	M14	2	110	20,5	-	11	9	376	4
A2135M16	83,44	52,00	M16	2	110	20,5	-	12	9	376	4
A2135M18	104,32	65,00	M18	2,5	125	25,5	-	14	11	376	4
A2135M20	137,95	86,00	M20	2,5	140	29,5	-	16	12	376	4
A2135M22	155,05	96,00	M22	2,5	140	29,5	-	18	14,5	376	4
A2135M24	202,68	126,00	M24	3	160	35,5	-	18	14,5	376	4
A2135M27	246,52	153,00	M27	3	160	37,5	-	20	16	376	4
A2135M30	291,86	181,00	M30	3,5	180	42	-	22	18	376	4

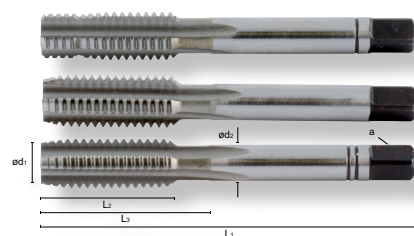
HAND TAP 3-PIECE SET - M



P	M	K	N	S	H	O	
							
DIN13	TOLERANCE	MATERIAL	SHANK	HOLE TYPE	TOOL TYPE	CHAMFER	FLUTES
M	ISO 2 6H	HSS	DIN 352		Cutting	A-D-C	Straight
COATING	DEPTH	ROTATION					
BRIGHT	< 2.5xD	RH					

CODE	Price List	HT	d1 mm	P mm	L1 mm	L2 mm	L3 mm	d2 mm	a mm
A2814M2	43,27	27,00	M2	0,4	36	7,5	12	2,8	2,1
A2814M2,5	36,96	23,00	M2,5	0,45	40	8,5	14,5	2,8	2,1
A2814M3	38,94	24,00	M3	0,5	40	10	18	3,5	2,7
A2814M3,5	45,79	28,00	M3,5	0,6	45	11	20	4	3
A2814M4	38,67	24,00	M4	0,7	45	12	21	4,5	3,4
A2814M4,5	67,94	42,00	M4,5	0,75	50	13	23	6	4,9
A2814M5	44,77	26,00	M5	0,8	50	14	24	6	4,9
A2814M6	44,77	26,00	M6	1	56	16	28	6	4,9
A2814M7	65,53	41,00	M7	1	56	19		6	4,9
A2814M8	47,54	29,00	M8	1,25	63	22		6	4,9
A2814M9	88,48	55,00	M9	1,25	63	22		7	5,5
A2814M10	59,45	37,00	M10	1,5	70	24		7	5,5
A2814M12	77,43	48,00	M12	1,75	75	28		9	7
A2814M14	94,43	57,00	M14	2	80	30		11	9
A2814M16	142,44	70,00	M16	2	80	32		12	9
A2814M18	162,62	101,00	M18	2,5	95	34		14	11
A2814M20	184,43	114,00	M20	2,5	95	34		16	12
A2814M22	188,68	117,00	M22	2,5	100	34		18	14,5
A2814M24	243,70	132,00	M24	3	110	38		18	14,5
A2814M27	287,64	178,00	M27	3	110	38		20	16
A2814M30	360,94	224,00	M30	3,5	125	45		22	18

HAND TAP 3-PIECE SET FOR HARDENED - M



P	M	K	N	S	H	O
●	●	●	●	●	●	●
DIN13	TOLERANCE	MATERIAL	SHANK	HOLE TYPE	TOOL TYPE	FLUTES
M	ISO 2 6H	HSSE	DIN 352		Cutting	Straight
COATING	DEPTH	ROTATION				
BRIGHT	< 2,5xD	RH				

CODE	Price List	HT	d1 mm	P mm	L1 mm	L2 mm	L3 mm	d2 mm	a mm
A2818M2	85,62	53,00	M2	0,4	36	7,5	12	2,8	2,1
A2818M2,5	82,86	51,00	M2,5	0,45	40	8,5	14,5	2,8	2,1
A2818M3	68,87	43,00	M3	0,5	40	10	18	3,5	2,7
A2818M3,5	70,46	44,00	M3,5	0,6	45	11	20	4	3
A2818M4	68,87	43,00	M4	0,7	45	12	21	4,5	3,4
A2818M5	70,93	44,00	M5	0,8	50	14	24	6	4,9
A2818M6	70,93	44,00	M6	1	56	16	28	6	4,9
A2818M8	82,86	51,00	M8	1,25	63	22		6	4,9
A2818M10	96,47	60,00	M10	1,5	70	24		7	5,5
A2818M12	134,28	81,00	M12	1,75	75	28		9	7
A2818M16	242,20	132,00	M16	2	80	32		12	9
A2818M20	340,47	211,00	M20	2,5	95	34		16	12



COUNTERSINKS VARIALBE PITCH A 90° Z3

CODE	Price List	HT	D mm	L mm	d1 mm	d2 mm
A615704,30	34,56	21,00	4,30	40	1,3	1,3
A615706,00	36,96	23,00	6,00	45	1,5	1,5
A615706,30	37,20	23,00	6,30	45	1,5	1,5
A615708,00	40,56	25,00	8,00	50	2	2
A615708,30	41,52	26,00	8,30	50	2	2
A615710,00	42,90	26,00	10,00	50	2,5	2,5
A615710,40	42,24	26,00	10,40	50	2,5	2,5
A615711,50	48,48	30,00	11,50	56	2,8	2,8
A615712,40	50,64	31,00	12,40	56	2,8	2,8
A615715,00	57,42	35,00	15,00	60	3,2	3,2
A615716,50	58,32	36,00	16,50	60	3,2	3,2
A615719,00	64,32	40,00	19,00	63	3,5	3,5
A615720,50	72,96	45,00	20,50	63	3,5	3,5
A615723,00	79,68	49,00	23,00	67	3,8	3,8
A615725,00	87,60	54,00	25,00	67	3,8	3,8
A615731,00	107,28	67,00	31,00	71	4,2	4,2

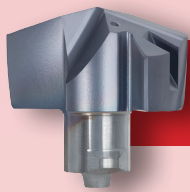
P	M	K	N	S	H	O
●	●	●	●	●	●	●
DIN 335C						
HSS material						
TiN coating						
Cylindrical shank						

COUNTERSINKS 90° Z3 IN SET

CODE	Price List	HT	Description
A6158SET	287,53	178,00	Assortment of 5 variable pitch countersinks Ø 6,3 - 10,4 - 16,5 - 20,5 - 25



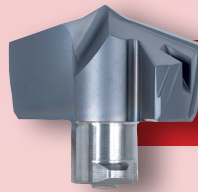
CUSP ASSORTMENT



DMP

Tip diameter
Ø6 -
Ø25.9 mm

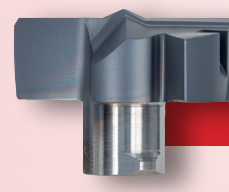
General uses



DMC

Tip diameter
Ø6 -
Ø25.9 mm

Precision with
dual guide



DMF

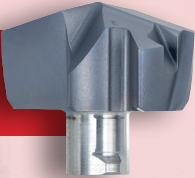
Tip diameter
Ø6 -
Ø25.9 mm

For chamfering
and flat-bottom
operations

DMH

Tip diameter
Ø6 -
Ø25.9 mm

For general
use with
reinforced
edges



DMN

Tip diameter
Ø6.8 -
Ø19.5 mm

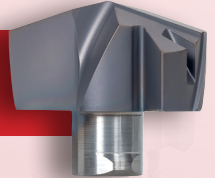
Suitable for
non-ferrous
materials



DMM

Tip diameter
Ø10 -
Ø19.9 mm

For general
use on
stainless
steels



DRILL BITS ASSORTMENT



TIDC

Tip diameter
Ø7.5 - Ø19.9 mm

3xD e 5xD



TID-F

Tip diameter
Ø6 - Ø25.9 mm

1.5xD, 3xD,
5xD, 8xD

TID-F/ TID-R-E

Tip diameter
Ø6 - Ø mm

2xD, 3xD,
5xD, 8xD

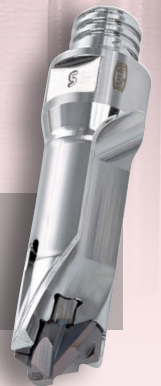


TID-S

Tip diameter
Ø6.5 - Ø10.9 mm

2xD

Shank
TungMeister



TID-L-A-M

Tip diameter
Ø6.5 - Ø16.9 mm

Metric shank
TungFlex
Drilling + Chamfering/
Tapping pilot holes



TID-M

Tip diameter
Ø6 - Ø18.9 mm

2xD e 3xD

Metric shank
TungFlex



BUY
4 CUSP

UP TO 3.5XD AND MODULAR

GET
1 DRILL BIT **70%**
DISCOUNT

BUY
6 CUSP

UP TO 6XD

GET
1 DRILL BIT **70%**
DISCOUNT

BUY
8 CUSP

UP TO 8XD

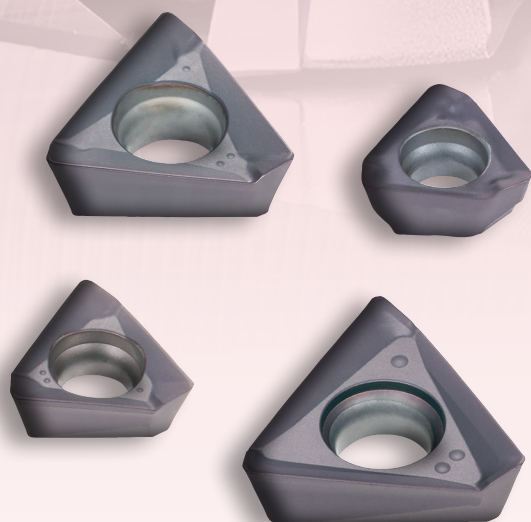
GET
1 DRILL BIT **70%**
DISCOUNT

**BUY
10 INDEXABLE
INSERTS**

MAX 50 INSERTS

**GET
1 END
MILL**

**80%
DISCOUNT**



INSERTS

TO*T04/06/10/15 - MJ/MM/AJ/NMJ

Grado:
T1215, KS05F, DS2005, T3225,
AH8015, AH3135, AH3225, AH120

END MILLS

Sleeve

TPA06/10/15
DC = Ø 32 -
Ø125 mm

Shank

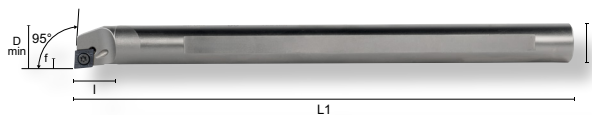
EPA04/06/10/15
DC = Ø 8 - Ø50
mm

modular

HPA06/10-M
DCX = Ø 16 -
Ø32 mm

INTERNAL TURNING TOOLHOLDERS FOR POSITIVE INSERTS - C SHAPE

B1U13

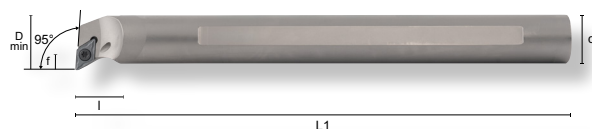


CODE	Price List	HT	Description	D min mm	d mm	f mm	L1 mm	l mm	Inserts
B1U13R0806	234,64	185,00	E08K SCLCR 06	10	8	5	125	10	CC...0602...
B1U13L0806	234,64	185,00	E08K SCLCL 06	10	8	5	125	10	CC...0602...
B1U13R1006	234,64	185,00	E10K SCLCR 06	12	10	6	125	10	CC...0602...
B1U13L1006	234,64	185,00	E10K SCLCL 06	12	10	6	125	10	CC...0602...
B1U13R1206	256,34	205,00	E12M SCLCR 06	14	12	8	150	10	CC...0602...

CODE	Price List	HT	Description	D min mm	d mm	f mm	L1 mm	l mm	Inserts
B1U13L1206	256,34	205,00	E12M SCLCL 06	14	12	8	150	10	CC...0602...
B1U13R1609	443,76	355,00	E16R SCLCR 09	18	16	10	200	16	CC...09T3...
B1U13L1609	452,45	362,00	E16R SCLCL 09	18	16	10	200	16	CC...09T3...
B1U13R2009	988,34	784,00	E20S SCLCR 09	23	20	12	250	16	CC...09T3...
B1U13L2009	988,34	784,00	E20S SCLCL 09	23	20	12	250	16	CC...09T3...

INTERNAL TURNING TOOLHOLDERS - POSITIVE INSERTS - D SHAPE

B1U23

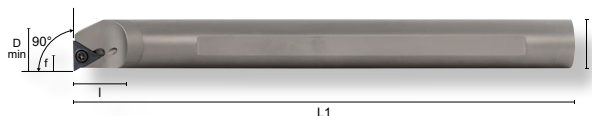


CODE	Price List	HT	Description	D min mm	d mm	f mm	L1 mm	l mm	Inserts
B1U23L0807	192,50	154,00	E08K SDUCL 07	12.5	8	7.5	125	10	DC..0702...
B1U23L1007	199,59	160,00	E10K SDUCL 07	13.5	10	7.5	125	10	DC..0702...
B1U23L1207	235,12	188,00	E12M SDUCL 07	15	12	9	150	12.5	DC..0702...
B1U23L1607	405,20	324,00	E16R SDUCL 07	19	16	11	200	16.5	DC..0702...
B1U23L2011	964,42	769,00	E20S SDUCL 11	23.5	20	14	250	20.5	DC...11T3...
B1U23L2511	1.373,63	1.099,00	E25S SDUCL 11	32	25	16	250	26	DC...11T3...

CODE	Price List	HT	Description	D min mm	d mm	f mm	L1 mm	l mm	Inserts
B1U23R0807	192,50	154,00	E08K SDUCR 07	12.5	8	7.5	125	10	DC..0702...
B1U23R1007	198,44	159,00	E10K SDUCR 07	13.5	10	7.5	125	10	DC..0702...
B1U23R1207	235,12	188,00	E12M SDUCR 07	15	12	9	150	12.5	DC..0702...
B1U23R1607	396,93	318,00	E16R SDUCR 07	19	16	11	200	16.5	DC..0702...
B1U23R2011	988,34	784,00	E20S SDUCR 11	23.5	20	14	250	20.5	DC...11T3...
B1U23R2511	1.373,63	1.099,00	E25S SDUCR 11	32	25	16	250	26	DC...11T3...

INTERNAL TURNING TOOLHOLDERS FOR POSITIVE INSERTS - T SHAPE

B1U33

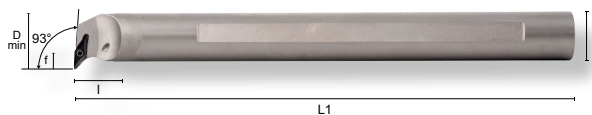


CODE	Price List	HT	Description	D min mm	d mm	f mm	L1 mm	l mm	Inserts
B1U33L1011	260,04	208,00	E10K STFCL 11	12	10	6	125	16	TC..1102.. HM
B1U33L1211	275,34	220,00	E12M STFCL 11	15	12	8	150	20	TC..1102.. HM
B1U33L1611	480,80	385,00	E16R STFCL 11	19	16	9.5	200	25	TC..1102.. HM
B1U33L2016	980,34	784,00	E20S STFCL 16	24	20	12	250	32	TC..16T3.. HM
B1U33L2516	1.277,96	1.022,00	E25S STFCL 16	27	25	13.5	250	40	TC..16T3.. HM

CODE	Price List	HT	Description	D min mm	d mm	f mm	L1 mm	l mm	Inserts
B1U33R1011	260,04	208,00	E10K STFCR 11	12	10	6	125	16	TC..1102.. HM
B1U33R1211	275,34	220,00	E12M STFCR 11	15	12	8	150	20	TC..1102.. HM
B1U33R1611	480,80	385,00	E16R STFCR 11	19	16	9.5	200	25	TC..1102.. HM
B1U33R2016	980,34	784,00	E20S STFCR 16	24	20	12	250	32	TC..16T3.. HM
B1U33R2516	1.277,96	1.022,00	E25S STFCR 16	27	25	13.5	250	40	TC..16T3.. HM

INTERNAL TURNING TOOLHOLDERS FOR POSITIVE INSERTS - V SHAPE

B1U44



CODE	Price List	HT	Description	D min mm	d mm	f mm	L1 mm	l mm	Inserts
B1U44L1611	452,45	362,00	E16R SVUCL 11	21	16	11	200	16.5	VC..1103..
B1U44L2011	980,34	784,00	E20S SVUCL 11	25	20	13	250	20.5	VC..1103..
B1U44L2511	1.572,06	1.258,00	E25S SVUCL 11	31.5	25	17	250	25.5	VC..1103..

CODE	Price List	HT	Description	D min mm	d mm	f mm	L1 mm	l mm	Inserts
B1U44R1611	452,45	362,00	E16R SVUCR 11	21	16	11	200	16.5	VC..1103..
B1U44R2011	1.277,96	1.022,00	E20S SVUCR 11	25	20	13	250	20.5	VC..1103..
B1U44R2511	1.360,63	1.089,00	E25S SVUCR 11	31.5	25	17	250	25.5	VC..1103..

EMULSION FOR BAND SAWS

ALL IN ONE GREEN SAW is an innovative, ready-to-use metalworking fluid based on esters derived from renewable raw materials. It is a universal product for machining steel, stainless steel, titanium and aluminium alloys, even those particularly sensitive to staining. It can also process yellow alloys and cast iron.

PROPERTIES

The special formulation, free of chlorine, boron and biocides, makes it an absolutely state-of-the-art product in terms of chemical safety. Moreover, thanks to the new generation components with which it is formulated, ALL IN ONE GREEN SAW has excellent foam resistance even at high pressures. The advantage of having a ready-to-use emulsion with water of controlled hardness provides several advantages:

- No need for graduated jugs or mixing systems
- NO risk of calculation errors in finding the correct proportion
- ZERO risk of water hardness INCOMPATIBILITY
- ZERO waste of staff time



Quantity	25
Specific weight at 20°C	1,0
Appearance	Translucent
pH	9,4
Concentration	10

APPLICATIONS:

The product is suitable for stamping operations with sawing machines on steel, stainless steel, titanium and aluminium alloys, even those particularly sensitive to staining. It can also process yellow alloys and cast iron.

ADVANTAGES:

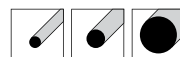
It is a safe product, free of chlorine, boron and biocides, with foam resistance even at high pressures thanks to its advanced formulation.

BASIC PLUS UNIFLEX

M51 BLADES



BLADES FOR HIGH-ALLOY MATERIALS



P	○	MANUAL ARCH SHAPE	○
M	●	SEMI AUTOMATIC ARCH SHAPE	●
K	○	AUTOMATIC ARCH SHAPE	●
N	-	AUTOMATIC DOUBLE COLUMN	○
S	○	AUTOMATIC HM HIGH SPEED	-
H	○		
O	-		

27 x 0,9 mm			
Length mm	tooth	Code	HT
3010	2/3	A7050301023	26,80
3660	2/3	A7050366023	40,80

Length mm	tooth	Code	HT
2450	3/4	A7050245034	22,30
2750	3/4	A7050275034	24,70
2845	3/4	A7050284534	25,45
2950	3/4	A7050295034	26,30

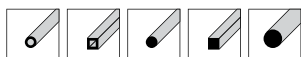
Length mm	tooth	Code	HT
3010	3/4	A7050301034	26,80
3120	3/4	A7050312034	27,65
3150	3/4	A7050315034	27,90
3180	3/4	A7050318034	28,15
3200	3/4	A7050320034	28,30
3320	3/4	A7050332034	29,25
3660	3/4	A7050366034	32,00

Length mm	tooth	Code	HT
2750	4/6	A7050275046	24,70
2765	4/6	A7050276546	24,80
2825	4/6	A7050282546	25,30
2845	4/6	A7050284546	25,45
2950	4/6	A7050295046	26,30

Length mm	tooth	Code	HT
3010	4/6	A7050301046	26,80
3120	4/6	A7050312046	27,65
3150	4/6	A7050315046	27,90
3180	4/6	A7050318046	28,15
3320	4/6	A7050332046	29,25
3370	4/6	A7050337046	29,65
3505	4/6	A7050350546	30,75
3660	4/6	A7050366046	32,00

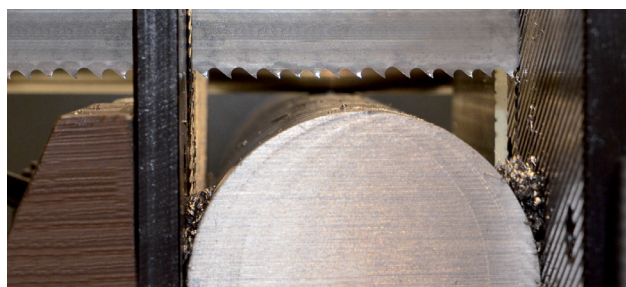
Bi-metal blade with carbon steel body

GENERAL-PURPOSE BLADES



P	●	MANUAL ARCH SHAPE	●
M	○	SEMI AUTOMATIC ARCH SHAPE	●
K	○	AUTOMATIC ARCH SHAPE	●
N	-	AUTOMATIC DOUBLE COLUMN	○
S	-	AUTOMATIC HM HIGH SPEED	-
H	-		
O	-		

- SUITABLE FOR MEDIUM-ALLOY STEELS FOR SMALL AND MEDIUM SECTIONS.
- SUITABLE FOR ALL MATERIALS WITH A MAXIMUM HARDNESS OF UP TO 40 HRC.



27 x 0,9 mm

Length mm	tooth	Code	HT
2450	3/4	A7015245034	16,00
2590	3/4	A7015259034	16,85
2650	3/4	A7015265034	16,50
2750	3/4	A7015275034	17,75
2825	3/4	A7015282534	18,15
2835	3/4	A7015283534	18,20
2845	3/4	A7015284534	18,25
2880	3/4	A7015288034	18,45
2925	3/4	A7015292534	18,70
2945	3/4	A7015294534	18,80

Length mm	tooth	Code	HT
3270	3/4	A7015327034	20,60
3010	3/4	A7015301034	19,15
3100	3/4	A7015310034	19,65
3120	3/4	A7015312034	19,75
3150	3/4	A7015315034	19,95
3180	3/4	A7015318034	20,10
3230	3/4	A7015323034	20,35
3320	3/4	A7015332034	20,85
3660	3/4	A7015366034	22,75

Length mm	tooth	Code	HT
4600	3/4	A7015460034	27,90

27 x 0,9 mm

Length mm	tooth	Code	HT
2450	4/6	A7015245046	16,00
2480	4/6	A7015248046	16,25
2500	4/6	A7015250046	16,35
2520	4/6	A7015252046	16,50
2565	4/6	A7015256546	16,70
2590	4/6	A7015259046	16,85
2650	4/6	A7015265046	17,20
2700	4/6	A7015270046	17,50
2750	4/6	A7015275046	17,75
2825	4/6	A7015282546	18,15
2845	4/6	A7015284546	18,25
2945	4/6	A7015294546	18,80
2600	4/6	A7015260046	16,90
2835	4/6	A7015283546	18,20
2925	4/6	A7015292546	18,70
2950	4/6	A7015295046	18,85

Length mm	tooth	Code	HT
3010	4/6	A7015301046	19,15
3100	4/6	A7015310046	19,65
3120	4/6	A7015312046	19,75
3150	4/6	A7015315046	19,95
3180	4/6	A7015318046	20,10
3225	4/6	A7015322546	20,35
3223	4/6	A7015323046	20,60
3270	4/6	A7015327046	20,85
3320	4/6	A7015332046	21,15
3370	4/6	A7015337046	22,75
3660	4/6	A7015366046	22,75

Length mm	tooth	Code	HT
4500	4/6	A7015450046	27,35
4600	4/6	A7015460046	27,90

METROLOGY



OUR CALIBRATION SERVICE

UTENSIL LINE, part of the A+B Group, has an ACCREDIA Accredited Calibration Laboratory No. 00275 for the measurement of length, torque and hardness, enabling it to calibrate new measuring instruments or those subject to periodic re-checking, issuing calibration reports and ACCREDIA calibration certificates.



PERFORMANCE CHECKED FROM THE FIRST USE

Calibrating instruments before first use guarantees effective results right away, confirming the accuracy of the new instrument and recording the starting point for metrological traceability and instrument performance over time.

ELIMINATION OF DISPUTES OVER WORKED PARTS

Calibration ensures accurate instruments, reducing waste and out-of-tolerance processing.





Why is it important to have calibrated instruments in the workshop?

MEASUREMENTS REFERABLE

Having instruments calibrated by an Accredia Laboratory ensures metrological referability, confirming that measurements are accurate, comparable and universally recognised at national and international level, guaranteeing the quality and reliability of results for customers.

IP67 DIGITAL GAUGE WITH PRESETS

The device has a 0.01 mm resolution, Swiss electronics, IP67 protection, and turns on automatically by moving the cursor. It has a maximum speed of 2.5 m/sec, a stainless steel structure, and includes a preset function.

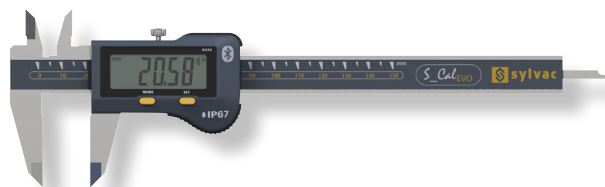
CODE	ALPA CODE	Price List	HT	Rod	Range mm
D0010150NDP	AA014150NDP	177,00	139,00	■	0 ÷ 150
D0010150NDT	AA014150NDT	177,00	139,00	●	0 ÷ 150
D0010200ND	AA014200ND	307,00	205,00	■	0 ÷ 200
D0010300ND	AA014300ND	376,00	265,00	-	0 ÷ 300



IP67 DIGITAL GAUGE WITH BLUETOOTH® AND PRESETS

The device has a 0.01 mm resolution, Swiss electronics, Bluetooth, and IP67 protection. It features automatic on, a 20-minute pause, a speed of 2.5 m/sec, and a stainless steel structure with a preset function.

CODE	ALPA CODE	Price List	HT	Rod	Range mm
D0008150BTP	AA013150BTP	256,00	199,00	■	0 ÷ 150
D0008150BTT	AA013150BTT	256,00	199,00	●	0 ÷ 150
D0008200BT	AA013200BT	307,00	299,00	■	0 ÷ 200
D0008300BT	AA013300BT	406,00	380,00	-	0 ÷ 300

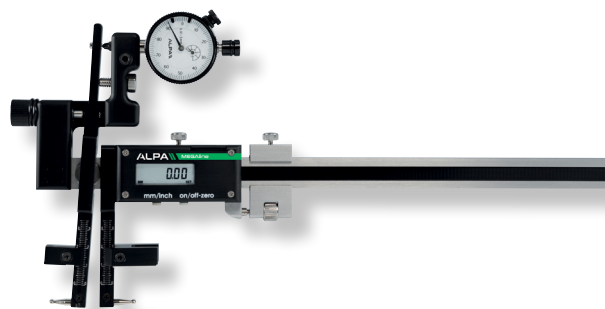


NEW

IP67 INDOOR/OUTDOOR COMPARATOR GAUGE WITH PRESET

Accuracy ± 0.02 mm and resolution 0.01 mm. Instrument protected from dust and splashes, with Swiss electronics, zeroing everywhere and micrometric adjustment. Includes $\varnothing 40$ mm dial indicator and $\varnothing 3$ mm spherical tips. Also available in an analogue version.

CODE	ALPA CODE	Price List	HT	Range mm
D0325200	AA120200	2.325,00	1.833,00	20 ÷ 200 x 60
D0325300	AA120300	2.978,00	2.383,00	24 ÷ 300 x 80
D0325500	AA120500	3.286,00	2.590,00	24 ÷ 500 x 80



00275

Accredited Calibration Laboratory





SET FOR INTERNAL AND EXTERNAL MEASUREMENTS

BA410

Precise and versatile instrument for interior, exterior and groove measurements, complete with dial indicator with protection, arms, depth stops, clamping inserts and spherical anvils. Also available with Bluetooth indicator on request.

CODE	Price List	HT	Description
DA129002SET	4.134,00	3.790,00	Universal meter (small set)



SET FOR INTERNAL AND EXTERNAL MEASUREMENTS

BA400

Precise and versatile instrument for internal, external and throat measurements, complete with dial indicator, arms and accessories, also available with Bluetooth indicator.

CODE	Price List	HT	Description
DA130000SET	6.890,00	6.270,00	Universal meter (large set)



WYLER

NEW

DIGITAL PRECISION LEVELS WITH BLUETOOTH

EA055

Precise and versatile instrument, with accuracy down to 0.04%, backlit display and low power consumption, intuitive interface and wireless functionality for Android™, ideal for measuring parallelism and perpendicularity.

CODE	Price List	HT	Range	Resolution	Version
D47230055ST	2.888,74	2.615,00	± 45°	5"	Standard



**Accredited
Calibration
Laboratory**



00275

DIGITAL DIAL INDICATOR IP54 Ø 45

IP54 protection with electronics protected against dust and splash water, fixed dial, Ø 8 h6 mm fitting and hardened stainless steel shank and stem.

CODE	ALPA CODE	Price List	HT	Range mm	Resolution mm
D23432412,5C	CA02412,5C	451,00	340,00	12,5	0,01
D23432412,5M	CA02412,5M	648,00	480,00	12,5	0,001

**BLUETOOTH® IP67 DIGITAL DIAL INDICATOR Ø 45**

0.01 mm resolution, IP67 protection, data transmission via Bluetooth®, fixed dial, analogue scale with programmable resolution and large display. Hardened stainless steel shank and stem, carbide contacts with M2.5 thread and programmable third button.

CODE	ALPA CODE	Price List	HT	Range mm	Resolution mm
D2332AUBT	CA022AUBT	617,00	448,00	12,5	0,01
D2332STBT	CA022STBT	582,00	435,00	12,5	0,01
D2332TPBT	CA022TPBT	598,00	440,00	12,5	0,01

**IP67 BLUETOOTH® DIGITAL DIAL INDICATOR Ø 45**

Resolution 0.001 mm, IP67 protection with electronics protected against dust and brief immersion in water, fixed dial, analogue scale with programmable resolution and compact display. Hardened stainless steel shank and stem, carbide contacts with M2.5 thread and programmable third button.

CODE	ALPA CODE	Price List	HT	Range mm	Resolution mm
D2342AUBT	CA023AUBT	829,00	595,00	12,5	0,001
D2342STBT	CA023STBT	755,00	585,00	12,5	0,001
D2342TPBT	CA023TPBT	810,00	575,00	12,5	0,001



00275

Accredited Calibration Laboratory





IP67 DIGITAL MICROMETER WITH FAST FEED, BLUETOOTH® AND PRESETS

The device has a resolution of 0.001 mm, Bluetooth®, IP67 protection, and turns on automatically. It advances 10 mm per rotation and offers measurement forces of 5N or 10N. It features a non-rotating stem with a diameter of 6.5 mm.

CODE	ALPA CODE	Price List	HT	Range mm	Accuracy mm
D1114030BT	BA012030BT	728,00	570,00	0 ÷ 30	± 0,003
D1114066BT	BA012066BT	1.029,00	780,00	30 ÷ 66	± 0,004
D1114102BT	BA012102BT	1.370,00	995,00	66 ÷ 102	± 0,005



IP67 DIGITAL MICROMETER WITH FAST FEED AND PRESET

The device features automatic on, shutdown after 20 minutes, high waterproofing, a 0-102 mm measurement range with 3 tools, and Proximity data output.

CODE	ALPA CODE	Price List	HT	Range mm	Accuracy mm
D1111000030	BA01030	620,00	465,00	0 ÷ 30	± 0,003
D1111030060	BA01066	882,00	670,00	30 ÷ 66	± 0,004
D1111066102	BA010102	1.100,00	875,00	66 ÷ 102	± 0,005

ALPA

BORE GAUGE

Robust and reliable device with anchor movement transmission, hardened steel contacts, and Ø 8 mm comparator mount, without comparator.



BORE GAUGES WITH STEEL CONTACTS

CODE	ALPA CODE	Price List	HT	Range mm	Max depth mm
D22251535	DA01035A	382,00	288,00	15 ÷ 35	175
D222530100	DA010100A	399,00	290,00	30 ÷ 100	250
D222550160	DA010160A	438,00	326,00	50 ÷ 160	250
D222550210	DA010210A	472,00	372,00	50 ÷ 210	380
D2225100300	DA010300A	743,00	509,00	100 ÷ 300	350
D2225100500	DA010500A	976,00	726,00	100 ÷ 500	650
D2225100500S	DA010500AS	806,00	550,00	100 ÷ 500	350

BORE GAUGES WITH CARBIDE CONTACTS

CODE	ALPA CODE	Price List	HT	Range mm	Max depth mm
D22261535	DA01035W	393,00	287,00	15 ÷ 35	175
D222630100	DA010100W	446,00	330,00	30 ÷ 100	250
D222650160	DA010160W	481,00	357,00	50 ÷ 160	250
D222650210	DA010210W	470,00	359,00	50 ÷ 210	380
D2226100300	DA010300W	843,00	636,00	100 ÷ 300	350
D2226100500	DA010500W	1.094,00	814,00	100 ÷ 500	650
D2226100500S	DA010500WS	1.042,00	757,00	100 ÷ 500	350

Accredited Calibration Laboratory



00275

ALTIMETER

GA050

Instrument with 0.001 mm resolution, electronically adjustable measuring force and probe matching system. Measuring height manufactured in Switzerland, robust, accurate and reliable, with high-contrast display unit, simple and intuitive to use. It has RS232 and USB interfaces and is equipped with an air cushion for easy handling on the reference plane. Supplied complete with Ø 4 mm ruby probe, calibration sample and protective cloth.

CODE	ALPA CODE	Price List	HT	Range mm	Base mm	A mm
D4200400	GA050400	5.885,00	5.250,00	400	278 x 270	780
D4200700	GA050700	6.360,00	5.889,00	700	278 x 270	1084



ALTIMETER

GA060

An instrument with a resolution of 0.0005 mm, equipped with a swivelling digital display and a high-contrast display unit that is simple and intuitive to use. It features a patented system for both manual and motorised cursor adjustment, with micro-adjustment functions via an integrated motor. The structure is robust, stable and highly accurate. It has RS232 and USB interfaces, with optional wireless data output, and automatic probe calibration functions. Compatible with different probe types, with Ø 4 mm as standard.

CODE	ALPA CODE	Price List	HT	Range mm	Base mm	A mm
D41500400	GA060400	7.048,00	5.850,00	400	275 x 270	720
D41500700	GA060700	8.494,00	6.850,00	700	275 x 270	1020
D415001100	GA0601100	12,00	10.800,00	1100	275 x 270	1420



NEW



00275

Accredited Calibration Laboratory

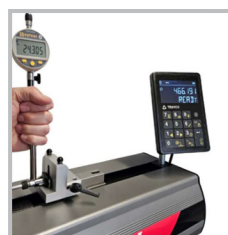




RESET BENCH

The motorised HS3 is a precise and versatile instrument for checking and calibrating variable-size measuring instruments. It combines the reliability of the Trimos Horizon Setting line with a modern design, a stable cast iron base and an intuitive interface, ideal for both shop floor and laboratory use.

CODE	D7706400
ALPA CODE	LA035HS3400
Price list	17.000,00
HT	12.900,00
Field of application (external measurements) mm	460 (18)
Field of application (internal measurements) mm	1 + 410 (0.1 - 16)
Maximum permissible errors 1) μm	$0.7 + L(\text{mm})/1000$
Repeatability (2s) 1) μm	0.5
Resolution mm	0.0001 (.000001)
Interfaces	RS232
Operating temperature °C	20 $\pm$ 1
Storage temperature °C	-10 + +40
Weight Kg	65



CALIBRATION
OF TWO-POINT
BORE GAUGES



MANUAL CONTROL
OF THE EXTERNAL
MICROMETER

BLUETOOTH® DATA TRANSMISSION KIT

Bluetooth® data transmission kit for Trimos altimeters

CODE	ALPA CODE	Price List	HT	Description
D4223KITBT	GA054BT	809,00	585,00	Data transmission kit



**Accredited
Calibration
Laboratory**

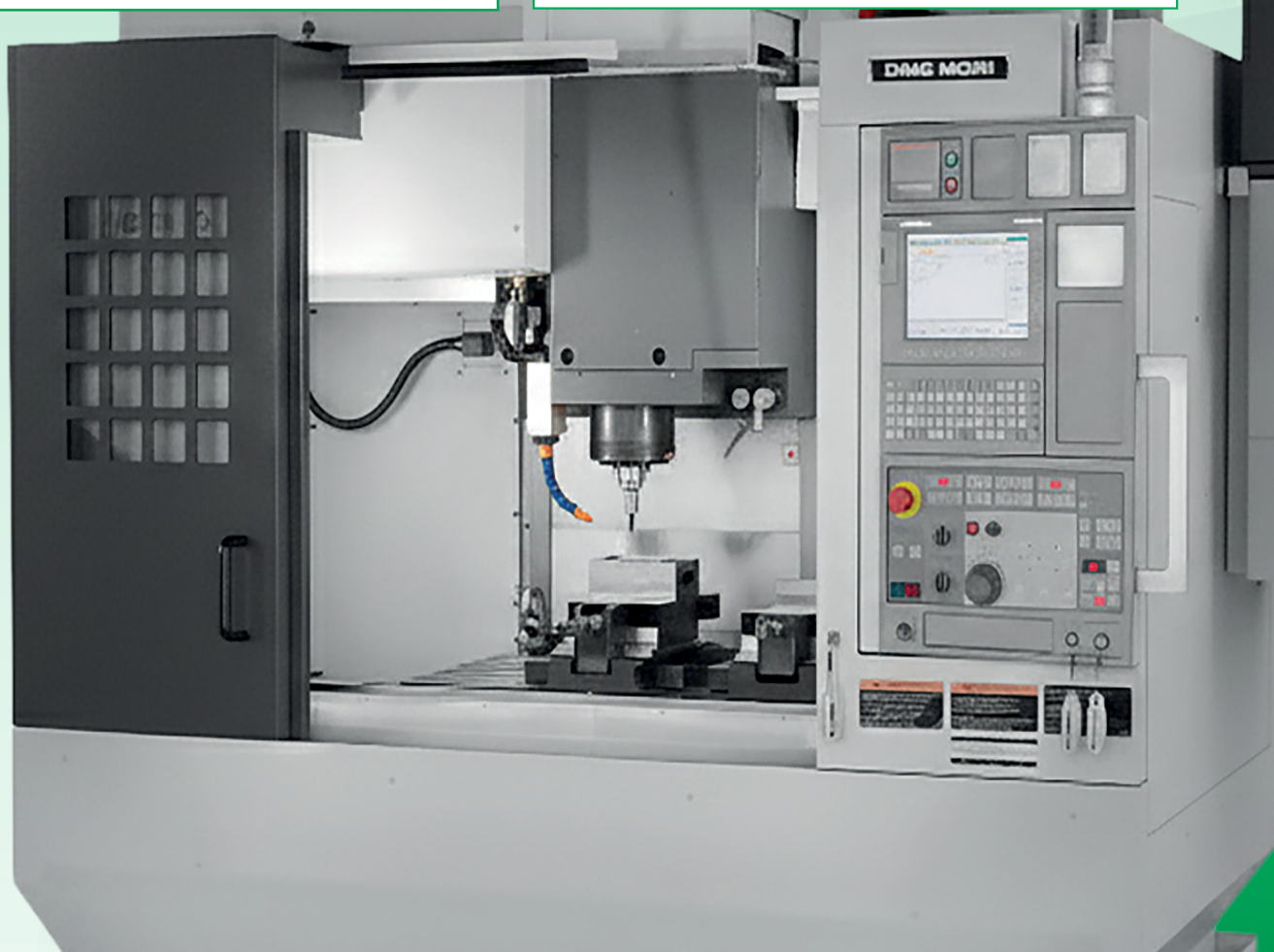
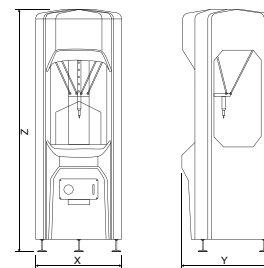


00275

Movement	CNC
Structure	Delta
Suitable for	Workshop Metrology room
Movement	Brushless motors Linear bearings
Axis stroke (mm)	XY $\varnothing$ 370 - 520 - Z 270 - 300
Compressed air	No
Accuracy	TP20 (2.6 + 0.4L/100) μ m
Acceleration	750mm/sec ²
Load capacity	200Kg
Optional camera	No

CODE	LA138370	LA138520
HT	upon request	
Dimensions X - Y - Z mm	715 x 730 x 2000	950 x 990 x 2200

* Course and installation not included



INTUITIVE JOYSTICK

The industrial joystick is designed to ensure the highest level of precision and manoeuvrability.



REDUCED FOOTPRINT

Compact and easy to install even in confined spaces, it adapts to any environment.



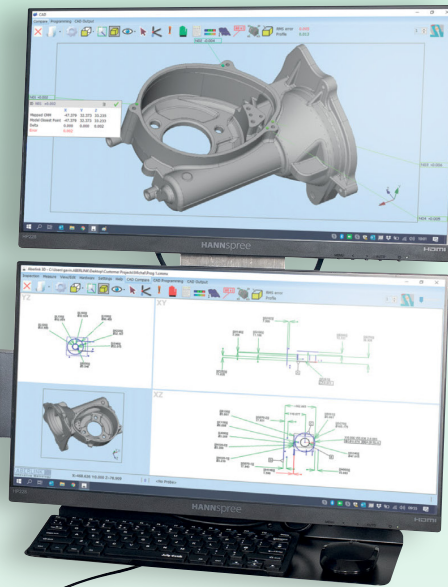
BRUSHLESS MOTOR SYSTEM

The brushless motor system makes the Spider precise and smooth in its movements.

SPIDER

STREAMLINED PROCESSES

Control islands that can be installed directly next to the work centre, optimising processes and production times



THE 3D CNC MACHINE THAT MAKES MEASURING EASY

MAXIMUM SIMPLICITY

Thanks to the intuitive software and its ease of use, measurement operations can be carried out by the same operator of the machining centre, optimising costs.



LUBRICANTS



Futura S UNI
**METALWORKING FLUIDS
OF NEW GENERATION**

Ester-based for high and sustainable performance.

**UNIVERSAL
PRODUCT**

ESTER BASED

BIOCIDE FREE

BORON FREE



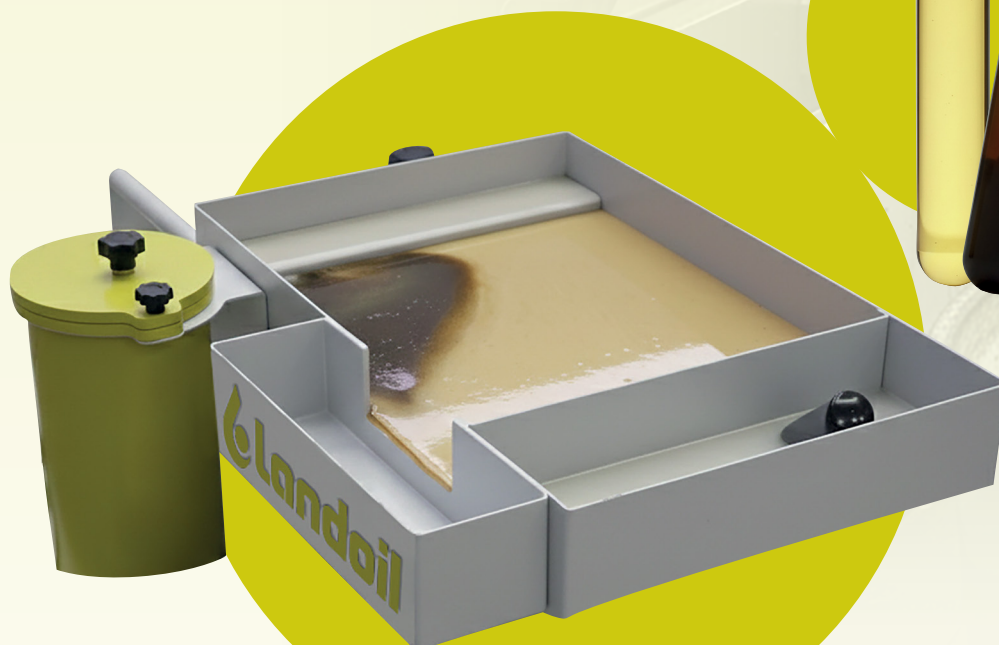
Landoil
your safety, our future.

WATER-MISCIBLE METALWORKING FLUID

Futura S UNI is a semi-synthetic, ester-based water-miscible metalworking fluid derived from renewable raw materials. It is free of chlorine, boron and bactericides. Futura S UNI is a universal metalworking fluid designed for use in medium-heavy-duty machining and grinding operations on all materials: steels, stainless steels, titanium and cast irons; it can also machine aluminium alloys. The formulation has a very high balance between lubricity and detergency, making it an extremely versatile product for all types of machining.

Appearance concentrated		Amber
Appearance emulsion		Translucent
pH	5%	9,4 - 9,7
Refractometer factor		1,8
Water compatibility	°F	5 - 50

CODE	LANDOIL CODE	Price List	HT	Quantity L	Package
H02130025	LN07000025	245,00	204,00	25	Can
H02130200	LN07000200	1.540,00	1.463,00	200	Drum



**Always stable
emulsion Forms
a perfectly**

*homogeneous
emulsion with
any type of water*

Longer emulsion service life

*The high quality of the raw materials and
the high self-concentrating power
guarantee a significant reduction in the
number of top-ups*



Longer-lasting efficient machines

*Thanks to its high cleaning power,
it reduces sludge and residues,
keeping machines clean.*



**Protects the health
of the operator with
low chemical risk**

*Formulated with
low chemical risk,
protecting the health
of the operator.*



**+30%
Lubrificazione**

*Esther bases
ensure greater
efficiency compared
to traditional mineral
lubricants.*



**Universal
machining**

*Ideal for medium-duty
machining operations
involving chip removal
and grinding on steels,
authentic steels,
titanium, cast iron,
and aluminium alloys.*

 **Landoil**
your safety, our future.

FUTURA S UNI

**THE SAFE VEGETABLE
BASED COOLANT**



NEAT CUTTING OIL

Mirzan EP

Mirzan EP is a synthetic, mineral oil-free cutting fluid, ideal for heavy-duty machining of steel, stainless steel and aluminium alloys. It provides excellent lubrication, long service life and EP protection.

CODE	LANDOIL CODE	Price List	HT	Series	Quantity L	Package
H11657220025	LN10210025	445,00	137,00	722	25	Can
H11657220200	LN10210200	980,00	931,00	722	200	Drum
H11657150025	LN10200025	170,00	161,00	715	25	Can
H11657300025	LN10220025	460,00	152,00	730	25	Can
H11657300200	LN10220200	1.400,00	1.045,00	730	200	Drum
H11657150200	LN10200200	1.180,00	1.121,00	715	200	Drum



NEW



SLIDEWAY OILS

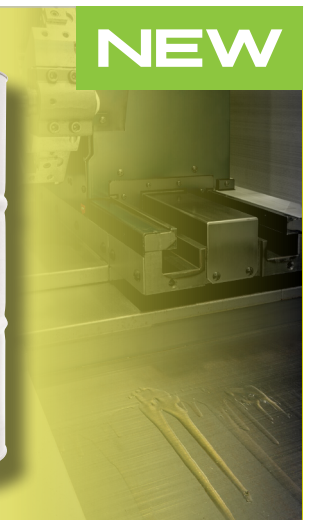
Carrier

Carrier is a lubricating oil for guides, slides and bearings with selected oils and zinc-free additives. It provides excellent adhesion, protection under heavy loads and high performance on hydrostatic guides, hydraulic circuits and slow-running bearings.

CODE	LANDOIL CODE	Price List	HT	Series	Quantity L	Package
H2016320025	LN23000025	450,00	142,00	1	25	Can
H2016680005	LN23010005	55,70	52,00	2	5	Jerry can
H2016680025	LN23010025	452,75	145,00	2	25	Can
H2016680200	LN23010200	1.022,00	970,00	2	200	Drum
H2016220025	LN23030025	464,25	156,00	4	25	Can
H2016220200	LN23030200	1.114,00	1.058,00	4	200	Drum



NEW



HYDRAULIC OILS

Abacus Plus

ABACUS PLUS are mineral-based, zinc-free hydraulic lubricants with cleaning and antioxidant properties. They can also be used in moderately loaded gearboxes, are water-resistant and comply with ISO-L-HM, DIN 51524/2 HLPD and MB-Approval DBL 6721.

CODE	Price List	HT	Quantity L	Package
H2021320025	480,00	171,00	25	Jerry can
H2021320200	1.325,00	1.259,00	200	Drum
H2021460005	63,30	60,00	5	Jerry can
H2021460025	200,00	190,00	25	Jerry can
H2021460200	1.395,00	1.325,00	200	Drum
H2021680025	245,00	204,00	25	Jerry can
H2021680200	1.620,00	1.539,00	200	Drum



your safety,
our future.





PROTECTIVE FLUID

Protex W

PROTEX W is a wax-based corrosion protection fluid for metal components that are stored in high humidity and high salinity conditions. Thanks to a specific formulation and excellent balance of detergents and solvents, PROTEX W has excellent degreasing properties and a dewatering effect.

CODE	LANDOIL CODE	Price List	HT	Quantity L	Package
H2117025	LN36010025	273,75	260,00	25	Tanica

NEW



PROTECTIVE FLUID

Protex O Heavy

Protex O Heavy is an oil-based protective fluid consisting of paraffinic bases with added anticorrosive and antioxidant additives, designed specifically for the protection of semi-finished or finished products that must withstand extremely harsh storage or transport conditions.

CODE	LANDOIL CODE	Price List	HT	Series	Quantity L	Package
H2112025	LN30020025	194,25	184,00	Heavy	25	Tanica

NEW



PROTECTIVE FLUID

Protex DW/O

Protex DW /O is a corrosion protection fluid with a dewatering action designed specifically for the protection of steel laminates and semi-finished products even of complex geometry, as well as for the external protection of parts subject to subsequent handling.

CODE	LANDOIL CODE	Price List	HT	Quantity L	Package
H2106025	LN32010025	190,00	180,00	25	Tanica
H2106400	LN32010400	6,30	5,99	0,4	Bombolella spray

NEW



Landoil

*your safety,
our future.*

SPILL PALLETS IN STEEL FOR DRUMS

WX9914

Steel tanks for 200-liter drums with carbon steel support shelf (EN10025) and 30 mm grating, grey color RAL 7001. Compliant with EN ISO 3834-2:2021 standard.

CODE	Price List	HT	A mm	B mm	C mm	Storage capacity	Collection volume l
P6915F4SQ	729,24	480,00	1350	1325	310	4 fusti da 200 l	330
P6915F1	537,66	290,00	830	830	470	1 fusto da 200 l	200
P6915F2	578,86	330,00	1350	780	370	2 fusti da 200 l	230
P6915F8	1.459,51	749,00	2670	1325	310	8 fusti da 200 l	650
P6915F4	966,14	550,00	2670	775	290	4 fusti da 200 l	330



DRUM HOLDER TROLLEYS

WX9903

Drum trolley for indoor use, stores 1-2 drums vertically or horizontally with accessories. Grey RAL 7001, with handle and wheels. Compliant with UNI EN ISO 3834-2:2021.

CODE	Price List	HT	A mm	B mm	C mm
P6802F1	762,20	399,00	860	860	1170
P6802F2	887,52	470,00	1340	850	1170



DEPOSITS FOR OUTDOOR STORAGE

WX9912

Storage with collection tank, cushioned lid and lockable doors for secure handling. Equipped with ventilation and 30 mm galvanised grating. Grey RAL 7001, compliant with UNI EN ISO 3834-2:2021.

CODE	Price List	HT	A mm	B mm	C mm	Storage capacity
P6816F2	2.620,32	1.400,00	1350	860	1570	2 fusti da 200 l
P6816F4	2.789,24	1.700,00	1350	1260	1540	4 fusti da 200 l



*your safety,
our future.*





SPILL PALLETS WITH POLYETHYLENE INTERIOR FOR 1000 L CISTERNS

WX9907

Storage with a drum tray and lid with gas shock absorbers for easy loading and unloading. Robust, lockable doors protect the contents. Equipped with ventilation and 30 mm galvanised grating. Colour RAL 7001 grey. Complies with EN ISO 3834-2:2021.

CODE	Price List	HT	A mm	B mm	C mm	Storage capacity kg	Collection volume l	Capacity kg
P6806C1	2.931,38	1.650,00	1085	1655	730	1 cistern of 1000 L	1000	1000



SPILL PALLETS IN STEEL FOR CISTERNS

WX9915

Spill pallets in steel for the storage of 1000 L tanks, positioned directly on a support shelf made with EN10025 structural carbon steel profiles. Colour grey RAL 7001. Complies with the International Standard EN ISO 3834-2:2021

CODE	Price List	HT	A mm	B mm	C mm	Storage capacity	Collection volume l
P6917C1	1.210,25	699,00	1342	1325	820	1 cistern of 1000 L	1050
P6917C2	1.875,63	999,00	2673	1325	460	2 cisterns of 1000 L	1050
P6917C3	2.674,91	1.299,00	4000	1325	345	3 cisterns of 1000 L	1150



Twist Oil Evo

Industrial vacuum cleaner is designed to suck in and separate oil and metal swarf from machining centre tanks. Equipped with three single-phase motors and a 200-litre tank, it allows continuous suction and discharge of liquids thanks to an integrated pump. The swarf is separated via a micro-perforated steel basket, which facilitates disposal and makes the filtered liquid reusable. Discharge is rapid thanks to the electric immersion pump, with approximate suction times of 200 litres in 80 seconds and discharge times of 200 litres in 100 seconds. The motor is protected by an anti-oil cartridge and a vacuum gauge signals any blockages or the need to replace the filter.


NEW

CODE	Price List	HT	Liquid capacity L	Solid capacities L	Power supply V - Hz	Power kw - HP	Max. depression mBar	Max. air flow rate L/min	Sound level dB(A)	Dimensions mm
H4102200	4.800,00	3.600,00	200	35	230-50/60	3,9 - 5,2	250	570	72	1050 x 619 x 1670

OIL MIST ASPIRATOR
AFM Mist Plus

Air filter capable of removing oil mists, fumes and vapours generated by machining operations. The innovative structural design with the electric fan placed downstream from the filtering battery places the entire system under vacuum, guaranteeing perfect filtration and an extraordinary seal against oil leakage. Clogged filter detection device and quick and easy replacement of all filters. The H14 absolute post filter guarantees a final filtration degree of 99.99%. Power supply voltage 400V/50 Hz three-phase.



CODE	Price List	HT	Model	Suction air flow m³/h	Power kw	suction Ø mm	Noise level dBa	Static pressure Pa	Filtering surface m²	Cabin interior volume m³
H54700500	4.148,40	3.000,00	AFM 500	700	0,55	120	62	820	5,7	0-3
H54701000	4.764,40	3.450,00	AFM 1000	1200	1,1	150	64	1100	8,4	3-5
H54702000	5.612,20	4.050,00	AFM 2000	2100	1,5	200	68	1400	11,9	5-8
H54703000	6.175,40	4.500,00	AFM 3000	3100	2,2	250	72	2000	14	8-10

**your safety,
our future.**





COALESCENCE OIL SEPARATOR TOS

TOS

Coalescence oil separator for separating oils, sludge and soaps from emulsions, which can also be used in narrow tanks thanks to the self-levelling suction unit. It works autonomously, requiring operator intervention only for draining. Effective on aqueous fluids with neutral or slightly alkaline pH up to 60°C.

EXTEND THE LIFE OF THE EMULSION



CAN BE USED ON MULTIPLE MACHINE TOOLS



DOES NOT REQUIRE OPERATOR SUPERVISION



REDUCES CHEMICAL AND BIOLOGICAL RISKS



REDUCES FUMES GENERATED BY FOREIGN OILS



NO UNPLEASANT ODOURS



Power	kw	0,29
Dimensions	mm	570 x 550 x 980 h
Empty weight	kg	80
Temp. use	°C	< 60°C



CODE	Price List	HT	Tank capacity L	Flow L/h	Power kw	Voltage Volt	Dimensions mm	Empty weight kg	Temp. use °C
H400TOS	3.875,00	2.999,00	105	250	0,29	230 to 50 Hz	570 x 550 x 980 h	80	< 60°C

MRO



TROLLEYS WITH MRO ASSORTMENT



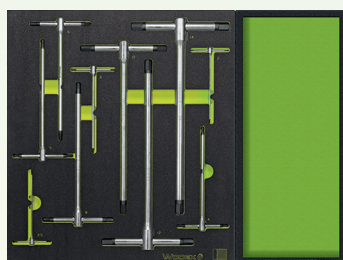
CODE	Price List	HT	Composition
E8260B7	849,00	450,00	Wodex WX9445/B7SCS trolley
E7750129	4.769,00	1.019,00	Wodex WX9445/B7SCS trolley + 129-tool set

CODE	Price List	HT	Composition
E8215B7S	1.444,50	700,00	Wodex WX9410/B7SCS trolley
E7752129	2.407,00	1.269,00	Wodex WX9410/B7SCS trolley + 129-tool set

+ ASSORTMENT OF 129 TOOLS



WX1060/SE16	Combination wrenches
WX4230/SE10	Screwdrivers for slotted and Phillips screws



WX2717/SE10	Hexagonal T-handle wrenches with fixed rod
WX9492	Empty tray



WX2095/SE71	1/4" and 1/2" socket wrenches
WX3750/SE4	Pliers and Cutters
WX9492	Empty tray



WX9505/SE6	Assorted tools
WX9512/SE12	Hacksaws and cutters

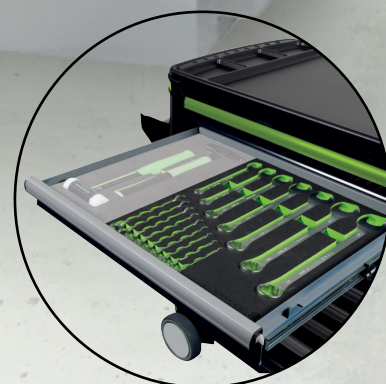


ORGANISE YOUR WORKSTATION IN THE BEST POSSIBLE WAY

Configure each drawer to suit your needs thanks to the
WODEX MODULAR SYSTEM

WORKSHOP-PROOF DURABILITY

ABS worktop and build quality
made in GERMANY



THE TROLLEY THAT EVERY MACHINE TOOL

WOULD LIKE TO HAVE BY ITS SIDE



760 mm

980 mm

WORK IN TOTAL SAFETY

The trolley is
equipped with the
**SAFETY
CONTROL SYSTEM**
anti-tipping system
that blocks the
opening of the
drawers.

ONE TROLLEY, ENDLESS OPTIONS

Perforated side panels
allow tools and
accessories to be
positioned.

580 mm

GREAT MANOEUVRABILITY

2 swivel wheels, one with a
125 mm diameter brake
made of vulcanised rubber.



SOCKET WRENCHES 1/4" 41-TOOL SET IN PE-HD CASE



Composition:	
WX2040	1/4" reversible ratchet
WX2000	Ring wrenches 1/4" 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
WX2010	Socket wrenches 1/4" hexagonal male HEX 2 - 2,5 - 3 - 4 - 5 - 6 - 8 mm
WX2020	Sockets 1/4" Torx® T8 - T10 - T15 - T20 - T25 - T30 - T40
WX2030	Sockets 1/4" with slotted insert 4 - 5,5 - 6,5 - 8 mm
WX2032	Phillips® PH1 - PH2 - PH3 1/4" socket spanners with multi-functional keys
WX2052	Wobble extensions 1/4 "x50 - 1/4 "x100 mm
WX2054	Universal joint 1/4"
WX2047	1/4" socket screwdrivers



SOCKET SET 1/4" AND 1/2" - 66 TOOLS IN ABS CASE



Composition:	
WX2040	Reversible ratchet 1/4"
WX2000	Sockets 1/4" 4 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
WX2048	T-handle lever with 1/4" sliding square drive
WX2052	Extensions Wobble 1/4"x50 - 1/4"x150
WX2054	Cardan joint 1/4"
WX2047	Socket screwdriver 1/4"
WX4642	Socket bit adapter 1/4" hex drive 1/4" x 25 mm
WX4640	Hexagonal insert holder sockets 1/4"
WX4430	Insert bits 1/4"x25 slotted 4 - 5.5 mm



€ 114,00

E491440

SOCKET SET 3/8" - 40 TOOLS IN PE-HD CASE



Composition:

WX2140	Reversible ratchet 3/8"
WX2105	Sockets 3/8" 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 mm
WX2110	Socket wrenches 3/8" hexagonal male HEX 3 - 4 - 5 - 6 - 7 - 8 - 10 mm
WX2120	Socket drivers 3/8" Torx® T10 - T15 - T20 - T25 - T27 - T30 - T40
WX2152	Extensions Wobble 3/8"x75 - 3/8"x150 - 3/8"x250 mm
WX2154	Cardon joint 3/8"
WX2148	T-lever with sliding square 3/8"
WX2158	Reducer joint 3/8"F - 1/4"M
WX2160	Adaptor joint 3/8"F - 1/2"M



€ 133,00

E492340

SOCKET WRENCHES 1/2" - SET OF 40 TOOLS



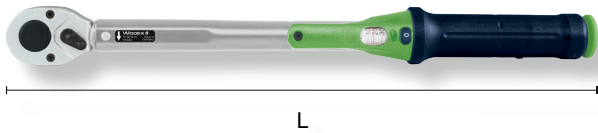
Composition:

WX2240	Reversible ratchet 1/2"
WX2205	Sockets 1/2" 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
WX2210	Socket wrenches 1/2" hexagonal male HEX 4 - 5 - 6 - 7 - 8 - 10 - 12 - 14 - 17 - 19 mm
WX2220	Socket drivers 1/2" Torx® T30 - T40 - T45 - T50 - T55 - T60
WX2252	Extensions Wobble 1/2"x125 - 1/2"x250
WX2254	Cardan joint 1/2"
WX2161	Adapter joint 3/8"F-1/2"M with hole for extension

TORQUE WRENCHES CLICK-ACTION

Premium quality mechanical torque wrenches Made in Germany with integrated ratchet wrench for controlled right-hand tightening with socket wrenches. Window with easily readable Nm scale, additional micrometer scale for setting the intermediate torque value, rear button for secure locking of the preset torque, reversible ratchet, steel construction and ergonomic handle made of high-quality plastic.

The keys are supplied with the DIN EN ISO 6789-2:2017 calibration certificate



Features:

- For clockwise controlled tightening applications
- Mechanical disengagement when the preset torque is reached
- Sensitive (snap) and acoustic (click) signal when the set torque is reached
- Automatic reset when the tool is released after disengagement
- Tightening accuracy $\pm 3\%$ (higher than required by ISO standard)

CODE	Price List	HT	Capacity Nm	Coupling	Resolution Nm
E6701025	178,00	118,00	5 ÷ 25	1/4"	0,10
E6701050	187,00	124,00	10 ÷ 50	3/8"	0,25
E6701100	189,00	125,00	20 ÷ 100	1/2"	0,50
E6701200	190,00	128,00	40 ÷ 200	1/2"	1,00

COMBINATION WRENCHES IN SET

Composition:

WX1060/S10: 8 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 mm
WX1060/S12: 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm
WX1060/S21: 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
WX1060/S27: 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 32 mm

CODE	Price List	HT	Pieces
E000610	88,74	44,00	10
E000612	158,70	79,00	12
E000621	243,59	121,00	21
E000627	333,45	166,00	27

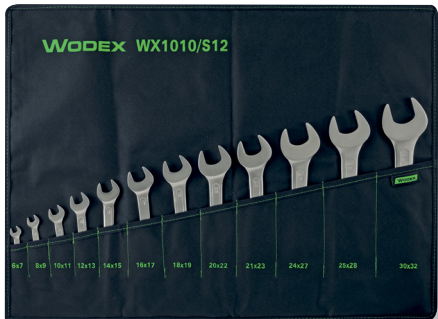


DOUBLE OPEN ENDED WRENCHES IN SET

Composition:

WX1010/S8: 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm
WX1010/S12: 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm

CODE	Price List	HT	Pieces
E026108	52,24	26,00	8
E026112	100,44	49,00	12





LONG HEXAGONAL WRENCHES WITH MAGNET IN KIT

WX2602/S9

Set of 9 long hexagonal wrenches with spherical head for working up to 25°, permanent magnet for fixing screws (excluding 1.5 - 2 - 2.5 mm), anti-corrosion chrome finish and anti-slip coating with colour coding.

Composition:

WX2602: 1,5x90 - 2x100 - 2,5x112 - 3x126 - 4x140 - 5x160 - 6x180 - 8x200 - 10x224 mm

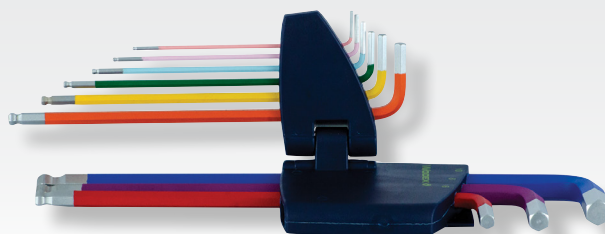
CODE	Price List	HT	Pieces
E231109	40,69	20,00	9



FastID saves you time during manual work with low added value and high operator cost.



Quick tool identification system through a unique colour code, correct selection is very quick, maximising operator productivity.

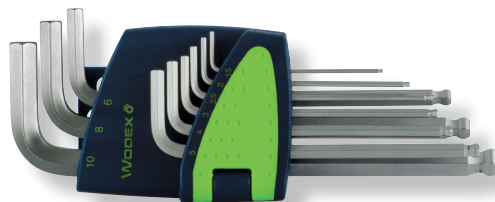


LONG HEXAGONAL WRENCHES WITH BALL HEAD AND MAGNET IN KIT

Composizione:

WX2600: 1,5x62 - 2x75 - 2,5x85 - 3x90 - 4x100 - 5x115 - 6x135 - 8x150 - 10x170 mm

CODE	Price List	HT	Pieces
E230109	38,44	19,00	9

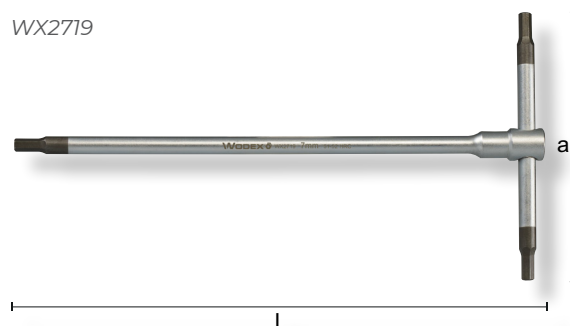


HEXAGONAL T-HANDLE WRENCHES WITH FIXED SHAFT

CODE	Price List	HT	mm	a mm
E264602	47,20	12,00	2	65
E264602,5	47,20	12,00	2.5	65
E264603	47,20	12,00	3	65
E264603,5	49,70	13,00	3.5	65
E264604	49,70	13,80	4	90
E264604,5	24,20	14,10	4.5	90
E264605	24,20	14,80	5	90
E264606	24,90	15,30	6	105
E264607	23,80	15,80	7	105
E264608	26,20	17,40	8	125
E264609	36,00	23,90	9	145
E264610	36,00	23,90	10	145
E264612	42,70	28,40	12	160
E264614	55,20	36,70	14	170

NEW

WX2719





MICRO HEXAGONAL SCREWDRIVERS IN KIT

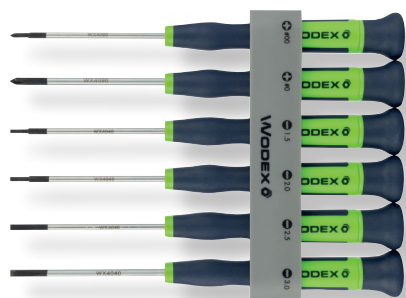
Set of 6 precision screwdrivers for electronics and fine mechanics, chrome vanadium steel blades with BLACK-TIP tips, ergonomic, non-slip SANTOPRENE® handles. RoHS and REACH compliant.

Composition:

WX2847: 0.9x60 - 1.3x60 - 1.5x60 - 2.0x60 - 2.5x60 - 3.0x60 mm



CODE	Price List	HT	Pieces
E255506	26,20	16,50	6



MICRO SCREWDRIVERS FOR SLOTTED AND PHILLIPS® SCREWS IN SET

Set of 6 precision screwdrivers with holder, chrome vanadium steel blades and hardened BLACK-TIP bits. Ergonomic, non-slip and comfortable SANTOPRENE® handles. RoHS and REACH compliant.

Composition:

WX4040: 1.50x60 - 2.0x60 - 2.5x60 - 3.0x60 mm
WX4090: PH00x60 - PH0x60 mm



CODE	Price List	HT	Pieces
E588906	27,83	16,50	6



ERGOFORM is designed to make work more comfortable, safe and effective. The ergonomic handle naturally adapts to the hand, ensuring a stable and comfortable grip even during prolonged use. Non-slip materials improve tool control and reduce fatigue, allowing you to work with greater precision and less effort.



SET OF PLIERS FOR INTERNAL AND EXTERNAL CIRCLIPS

Set of pliers for internal and external circlips made of hardened chrome-vanadium steel, with high-performance tips and ergonomic non-slip grips.

Composition F045904 - WX3420/S4:
WX3400/WX3410: Circlip Pliers for internal/external circlips - straight jaws Ø 19-60 mm
WX3405/WX3415: Circlip Pliers for internal/external circlips - 90° jaws Ø 19-60 mm
Composition F045908 - WX3420/S8:
WX3400/WX3410: Snap ring pliers internal/external - straight jaws Ø 12-25 - Ø 19-60 mm
WX3405/WX3415: Circlip Pliers for internal/external circlips - 90° jaws Ø 12-25 - Ø 19-60 mm
Composition F045912 - WX3420/S12:
WX3400/WX3405: Circlip Pliers for internal/external circlips - straight and 90° jaws Ø 8-13 Ø 12-25 - Ø 19-60 mm
WX3410/WX3415: Circlip Pliers for external circlips - straight and 90° jaws Ø 3-10 Ø 10-25 - Ø 19-60 mm



CODE	Price List	HT	Pieces
F045904	80,79	44,00	4
F045908	152,85	84,00	8
F045912	229,28	126,00	12



ALUMINIUM SPIRIT LEVELS

CODE	Price List	HT	Length mm	Section mm	No. of vials
F90600600	27,90	17,50	600	50 x 23	3
F90600400	24,50	15,40	400	50 x 23	3



METRIC ROLLERS

CODE	Price List	HT	Belt length m	Belt widths mm	Dimensions mm
F911020	27,00	17,00	20	13	Ø 140 x 30



ALUMINIUM MAGNETIC SPIRIT LEVELS

CODE	Price List	HT	Length mm	Section mm	No. of vials
F90650400	49,50	12,20	400	58 x 23	3
F90650600	23,00	14,40	600	58 x 23	3



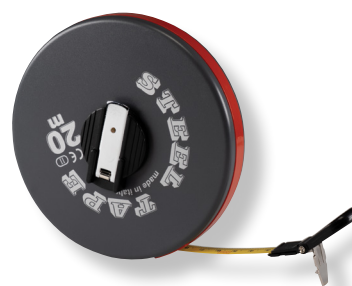
METRIC ROLLERS

CODE	Price List	HT	Belt length m	Belt widths mm	Dimensions mm
F911220	30,00	18,90	20	13	135 x 120 x 45



FLEXOMETERS

CODE	Price List	HT	Belt length m	Belt widths mm	Dimension mm
F912705	43,50	8,50	5	25	75 x 71 x 40
F912708	45,00	9,40	8	25	87 x 81 x 40
F912710	48,00	11,30	10	25	87 x 81 x 40



METRIC ROLLERS

CODE	Price List	HT	Belt length m	Belt widths mm	Dimensions mm
F911420	47,20	10,80	20	14	Ø 140 x 30



STEEL MALLETS WITH NYLON HEAD 100 SH

Hammers with burnished steel head, interchangeable nylon hammers and ergonomic non-slip handle. The secure attachment and anti-vibration design guarantee comfort, control and safety in use.

CODE	Price List	HT	Ø head mm	Handle mm	Weight g
F529532	42,37	25,40	32	300	455
F529540	58,30	34,90	40	300	740
F529550	80,84	48,40	50	320	950



NON-REBOUND POLYURETHANE MALLETS

Mallets with replaceable polyurethane heads, head partially filled with metal pellets to absorb rebound, painted steel body and handle, anti-slip rubber grip.

CODE	Price List	HT	Ø head mm	Weight g
F539335	38,20	22,90	35	740
F539340	42,90	25,70	40	875
F539350	54,60	30,90	50	1250
F539360	60,50	36,30	60	1710



NON-REBOUND POLYURETHANE MALLETS

Mallets with replaceable polyurethane heads, head partially filled with metal pellets to absorb rebound, painted steel body and ash wood handle.

CODE	Price List	HT	Ø head mm	Weight g
F539435	35,83	21,50	35	525
F539440	37,69	22,60	40	630
F539450	47,49	28,30	50	1020
F539460	54,94	32,90	60	1310



GERMAN TYPE HAMMERS

German type bench hammers with steel safety collar and polished edged hammers. Secure locking with nylon bushing and steel wedge, shaped handle made of durable, varnished HICKORY wood.

CODE	Price List	HT	Weight g	Handle mm
F51100300	42,59	7,50	300	300
F51100400	43,84	8,30	400	310
F51100500	46,05	9,60	500	320
F51100600	48,86	11,30	600	330
F51100800	22,07	13,20	800	350
F51101000	24,58	14,70	1000	360



SECTOR BLADE CUTTER

CODE	Price List	HT	Dimensions mm	Segment blade mm	Weight g
F366109	3,80	2,20	153 x 30 x 16	80 x 9 x 0.4	34



MULTIFUNCTIONAL CUTTERS WITH TRAPEZOID BLADE

CODE	Price List	HT	Dimensions mm	Trapezoid blade mm	Weight g
F374560	43,60	8,10	174 x 46 x 26	60 x 19 x 0.6	208



CUTTERS WITH SNAP-OFF BLADES

CODE	Price List	HT	Dimension mm	Snapp-off blades mm	Weight g
F368218	7,00	4,20	170 x 40 x 22	100 x 18 x 0.5	73



SAFETY CUTTERS WITH TRAPEZOID BLADE

CODE	Price List	HT	Dimensions mm	Trapezoid blade mm	Weight g
F374760	44,41	8,40	155 x 48 x 20	60 x 19 x 0.6	164



CUTTERS WITH SNAP-OFF BLADES

CODE	Price List	HT	Dimensions mm	Snap-off blades mm	Weight g
F368018	43,39	8,00	167 x 37 x 23	100 x 18 x 0.5	237

LED TORCHES

TOP SMD LIGHT
LED 45 Lm
Max. autonomy 13
hours



€ 29,50

N708101

WODEX**NEW****90° COUNTERSINKS HSS-CO Z3 KIT**

Composition:
6 Pieces - WX7400:
Ø 6.3 - 8.3 - 10.4 - 12.4
- 16.5 - 20.5 mm

**€ 84 , 00**

N521706

WODEX**NEW****STEPPED CONE CUTTERS IN KIT**

Composition:
3 Pieces - WX7560: Ø
4-12 - Ø 4-20 - Ø 6-30
mm

**€ 114 , 00**

N523506

WODEX**NEW****CYLINDRICAL DRILLS IN KIT**

Composition:
50 Pieces - WX7250:
1,00 to 5,90 x 0,10
41 Pieces - WX7250:
6,00 to 10,00 x 0,10

41 Pezzi

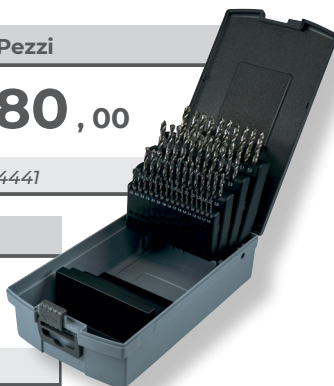
€ 80 , 00

N524441

50 Pezzi

€ 37 , 00

N524450

**WODEX****NEW****CYLINDRICAL DRILLS IN KIT**

Composition:
19 Pieces - WX7250:
1,00 to 10,00 x 0,50
25 Pieces - WX7250:
1,00 to 13,00 x 0,50

19 Pezzi

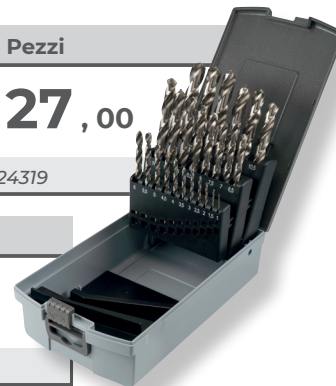
€ 27 , 00

N524319

25 Pezzi

€ 48 , 00

N524325

**WODEX****NEW****HAND TAPS IN KITS**

Composition:
21 Pieces - Set of 3
hand taps WX7350/
S21: M3 - M4 - M5
- M6 - M8 - M10 - M12

**€ 88 , 00**

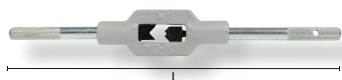
N525521

WODEX**NEW****TAPS AND DRILL BITS IN KITS**

Composition:
14 Pieces Taps -
WX7360/S14: M3 -
M4 - M5 - M6 - M8
- M10 - M12 Drills Ø
2.5 - 3.3 - 4.2 - 5 - 6.8
- 8.5 - 10.2 mm

**€ 73 , 00**

N525614



ADJUSTABLE TAP WRENCHES IN STEEL

CODE	Price List	HT	Size N.	mm	Taps DIN352 M
F82000	22,82	15,90	0	2 - 5	1 - 8
F82001	24,79	17,30	1	2 - 6,3	1 - 10
F82002	35,74	25,00	2	3 - 9	4 - 12
F82003	50,56	35,00	3	4,9 - 12	5 - 20
F82004	66,06	46,00	4	5,5 - 16	9 - 27
F82005	123,42	86,00	5	7 - 20	12 - 33
F82006	156,59	110,00	6	9 - 24	16 - 42
F82007	158,56	111,00	7	14,5 - 36	25 - 58



TOOL BOXES

CODE	Price List	HT	Dimensions mm	Weight kg
F7001S	33,00	20,70	450 x 210 x 100	1.5



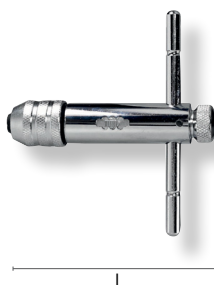
PREMIUM QUALITY RATCHET TURNERS

CODE	Price List	HT	Size N.	mm	For taps M
F82101	13,49	8,00	1	2,5 - 5,5	3 - 10
F82102	16,69	10,00	2	4,5 - 7	5 - 12
F82103	111,24	55,00	3	9 - 12	13 - 20



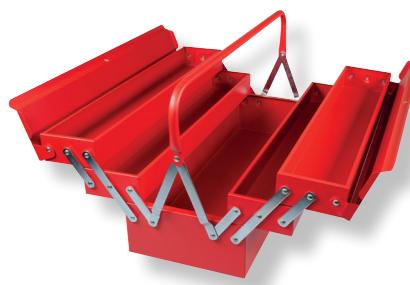
TOOL BOXES

CODE	Price List	HT	Dimensions mm	Weight kg
F7002S	44,00	27,70	450 x 210 x 150	3



T-HANDLE TAP WRENCHES

CODE	Price List	HT	Size N.	mm	For taps M
F82111	26,18	16,50	1	2 - 5	3 - 8
F82112	33,00	20,79	2	4,6 - 8	5 - 12



TOOL BOXES

CODE	Price List	HT	Dimensions mm	Weight kg
F7003L	71,50	45,00	550 x 210 x 200	5.8
F7003S	59,50	37,40	450 x 210 x 200	4.5



ENGINEER'S FILES - ROUND

CODE	Price List	HT	Shape	L mm	Section mm
G8310100T1	7,30	4,38	●	100	Ø 4
G8310100T2	8,34	4,99	●	100	Ø 4
G8310100T3	9,58	5,75	●	100	Ø 4
G8310150T1	7,89	4,73	●	150	Ø 6
G8310150T2	9,05	5,43	●	150	Ø 6
G8310150T3	10,06	6,04	●	150	Ø 6
G8310200T1	9,05	5,43	●	200	Ø 8
G8310200T2	9,94	5,95	●	200	Ø 8
G8310200T3	11,04	6,61	●	200	Ø 8
G8310250T1	11,26	6,76	●	250	Ø 10
G8310250T2	12,66	7,60	●	250	Ø 10
G8310250T3	13,90	8,34	●	250	Ø 10
G8310300T1	14,87	8,92	●	300	Ø 12
G8310300T2	16,11	9,67	●	300	Ø 12
G8310300T3	18,56	11,14	●	300	Ø 12



ENGINEER'S FILES - FLAT

CODE	Price List	HT	Shape	L mm	Section mm
G8306100T1	7,30	4,38	■	100	12 x 2.5
G8306100T2	7,89	4,73	■	100	12 x 2.5
G8306100T3	8,18	4,91	■	100	12 x 2.5
G8306150T1	8,07	4,84	■	150	16 x 4
G8306150T2	8,43	5,06	■	150	16 x 4
G8306150T3	9,18	5,51	■	150	16 x 4
G8306200T1	9,64	5,78	■	200	20 x 5
G8306200T2	10,29	6,17	■	200	20 x 5
G8306200T3	10,77	6,46	■	200	20 x 5
G8306250T1	12,74	7,64	■	250	25 x 6
G8306250T2	14,02	8,41	■	250	25 x 6
G8306250T3	15,25	9,15	■	250	25 x 6
G8306300T1	17,24	10,33	■	300	30 x 6.5
G8306300T2	18,56	11,14	■	300	30 x 6.5
G8306300T3	20,35	12,21	■	300	30 x 6.5



ENGINEER'S FILES - TRIANGULAR

CODE	Price List	HT	Shape	L mm	Section mm
G8314100T1	9,05	5,43	▲	100	8
G8314100T2	9,94	5,95	▲	100	8
G8314100T3	10,80	6,48	▲	100	8
G8314150T1	9,94	5,95	▲	150	11
G8314150T2	10,80	6,48	▲	150	11
G8314150T3	11,89	7,13	▲	150	11
G8314200T1	12,08	7,25	▲	200	15
G8314200T2	13,04	7,81	▲	200	15
G8314200T3	14,36	8,62	▲	200	15
G8314250T1	15,94	9,56	▲	250	17.5
G8314250T2	17,34	10,40	▲	250	17.5
G8314250T3	18,87	11,32	▲	250	17.5
G8314300T1	20,97	12,58	▲	300	20
G8314300T2	22,30	13,38	▲	300	20
G8314300T3	24,00	14,40	▲	300	20



ENGINEER'S FILES - HALF-ROUND

CODE	Price List	HT	Shape	L mm	Section mm
G8308100T1	10,06	6,04	◐	100	11 x 3
G8308100T2	10,80	6,48	◐	100	11 x 3
G8308100T3	11,75	7,05	◐	100	11 x 3
G8308150T1	11,85	7,11	◐	150	16 x 4.5
G8308150T2	11,89	7,13	◐	150	16 x 4.5
G8308150T3	12,55	7,53	◐	150	16 x 4.5
G8308200T1	14,14	8,48	◐	200	20 x 6
G8308200T2	14,87	8,92	◐	200	20 x 6
G8308200T3	15,94	9,56	◐	200	20 x 6
G8308250T1	17,70	10,62	◐	250	25 x 7
G8308250T2	18,87	11,32	◐	250	25 x 7
G8308250T3	20,35	12,21	◐	250	25 x 7
G8308300T1	23,39	14,03	◐	300	30 x 8.5
G8308300T2	24,64	14,78	◐	300	30 x 8.5
G8308300T3	27,51	16,51	◐	300	30 x 8.5



ENGINEER'S FILES - SQUARE

CODE	Price List	HT	Shape	L mm	Section mm
G8312100T1	7,89	4,73	■	100	4 x 4
G8312100T2	9,05	5,43	■	100	4 x 4
G8312100T3	10,34	6,19	■	100	4 x 4
G8312150T1	8,55	5,13	■	150	6 x 6
G8312150T2	9,64	5,78	■	150	6 x 6
G8312150T3	11,04	6,61	■	150	6 x 6
G8312200T1	9,64	5,78	■	200	8 x 8
G8312200T2	10,80	6,48	■	200	8 x 8
G8312200T3	11,75	7,05	■	200	8 x 8
G8312250T1	13,63	8,18	■	250	10 x 10
G8312250T2	13,66	8,20	■	250	10 x 10
G8312250T3	15,00	9,00	■	250	10 x 10
G8312300T1	15,94	9,56	■	300	12 x 12
G8312300T2	17,46	10,48	■	300	12 x 12
G8312300T3	19,95	11,97	■	300	12 x 12

ENGINEER'S FILES - IN SET

Set of 5 machinist's files with thermoplastic resin handle in roll-up fabric pouch.



€48,00

G832605

FLAT CUTTING DISCS

High-performance cutting discs for steel and stainless steel, durable and ideal for angle grinders.

 SPACE CUT



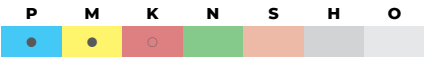
CODE	Price List	HT	Ø mm
G020711510	3,02	1,81	115 x 1,0 x 22,2
G020711516	3,02	1,81	115 x 1,6 x 22,2
G020712510	3,20	1,92	125 x 1,0 x 22,2
G020712516	3,20	1,92	125 x 1,6 x 22,2
G020723019	5,20	3,12	230 x 1,9 x 22,2



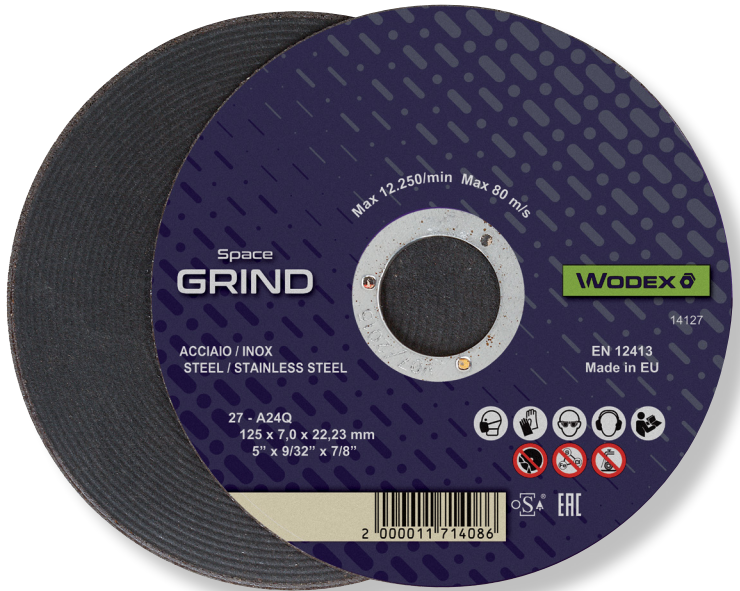
DEPRESSED CENTRE GRINDING DISCS

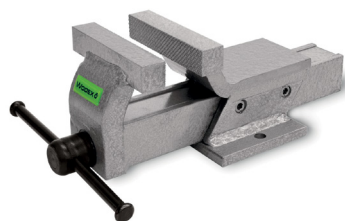
High-performance depressed centre grinding wheel for steel and stainless steel, durable and ideal for angle grinders.

 SPACE GRIND

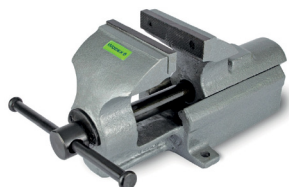


CODE	Price List	HT	Ø mm
G031711570	4,04	2,42	115 x 7,0 x 22,2
G031712570	4,56	2,74	125 x 7,0 x 22,2
G031723070	9,20	5,52	230 x 7,0 x 22,2





N6820



N6870



N6860



N6810

STEEL VICE GRIPS

CODE	Price List	HT	Width mm	Opening mm	Weight kg
N6820110	445,00	70,00	110	120	7

CODE	Price List	HT	Width mm	Opening mm	Weight kg
N6860100	294,14	123,00	100	125	7
N6860125	220,00	135,00	125	150	11
N6860150	302,74	186,00	150	200	17
N6860175	430,00	264,00	175	220	26

CODE	Price List	HT	Width mm	Opening mm	Weight kg
N6870100	375,08	231,00	100	130	11
N6870120	470,00	289,00	120	160	16
N6870150	716,77	441,00	150	175	24

CODE	Price List	HT	Width mm	Opening mm	Weight kg
N6810080	138,94	85,00	80	110	6
N6810100	197,00	121,00	100	140	11
N6810120	240,00	147,00	120	185	18
N6810150	355,00	218,00	150	220	25

SQUARE NOSE WRENCHES



E1210

ROUND NOSE



E1220

ADJUSTABLE HOOK WRENCHES

CODE	Price List	HT	For external Ø locking rings mm	Pin mm	L mm
E1210015	22,72	11,30	15 - 35	3,5	170
E1210035	26,35	13,10	35 - 50	4,0	210
E1210050	33,74	16,80	50 - 80	5,0	280
E1210080	47,30	23,60	80 - 120	5,5	345
E1210120	59,99	30,00	120 - 180	9,5	492
E1220015	22,37	11,10	15 - 35	3	170
E1220035	26,90	13,40	35 - 50	4	210
E1220050	34,56	17,20	50 - 80	5	280
E1220080	48,18	24,00	80 - 120	6	345
E1220120	59,89	29,90	120 - 180	8	475



PIN PUNCHES WITH HANDLE IN SET

Set of 5 PREMIUM QUALITY pin punches made of tempered tool steel, with a head resistant to chipping according to DIN 7255 and corrosion-resistant chrome plating. Ergonomic two-component handle for hand protection.

Composition:
2x150 - 3x150 - 4x150 - 5x150 - 6x150 mm

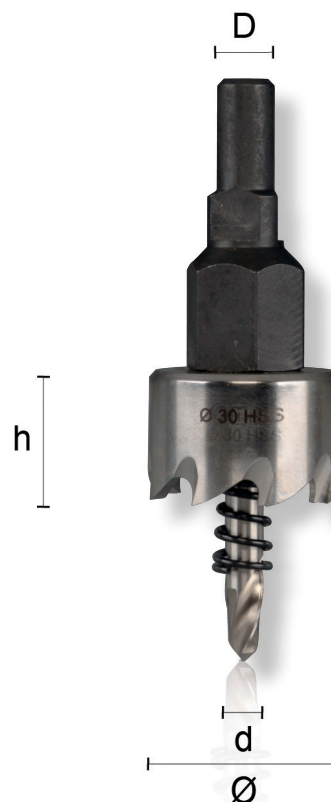
CODE	Price List	HT	Pieces
F452705	84,89	49,00	5

Premium quality HSS cup cutters with ground sharpness for immediate chip evacuation and increased cutting performance. Complete with spindle, tip and spring for swarf ejection.

Applications:

Drilling through holes in steel, light alloys and plastic sheets up to 5 mm deep.

The use of cutting oils is recommended.



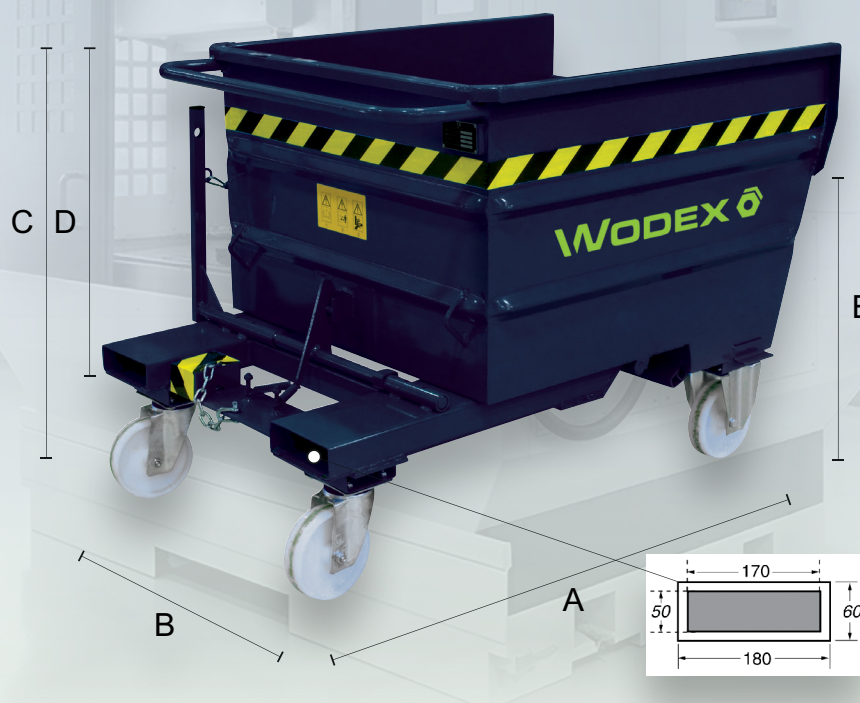
HOLE CUTTERS FOR STEEL

CODE	Price List	HT	Ø mm	d mm	D mm	h mm
N527510	46,58	10,40	10	5	7	20
N527511	46,79	10,50	11	5	7	20
N527512	47,51	11,00	12	5	7	20
N527513	49,26	12,10	13	5	7	20
N527514	49,67	12,30	14	5	8	20
N527515	20,91	13,10	15	5	8	20
N527516	21,22	13,30	16	5	8	20
N527517	22,25	14,00	17	5	8	20
N527518	22,56	14,20	18	5	8	20
N527519	24,00	15,10	19	5	8	20
N527520	24,93	15,70	20	5	8	20
N527521	25,85	16,20	21	5	8	20
N527522	26,88	17,00	22	5	8	20
N527523	28,12	17,70	23	6	9	20
N527524	29,15	18,30	24	6	9	20
N527525	30,39	19,10	25	6	9	20
N527526	31,52	19,80	26	6	9	20
N527527	32,34	20,40	27	6	9	20
N527528	33,78	21,30	28	6	9	20
N527529	34,71	21,80	29	6	9	20
N527530	35,84	22,60	30	6	9	20
N527531	36,98	23,20	31	6	9	22
N527532	38,11	24,00	32	6	9	22
N527533	39,45	24,80	33	6	9	22
N527534	40,58	25,50	34	6	9	22
N527535	41,72	26,20	35	6	9	22
N527536	42,85	27,00	36	6	9	22
N527537	43,88	27,60	37	6	9	22
N527538	45,01	28,30	38	6	9	22
N527539	46,35	29,20	39	6	9	22
N527540	47,28	29,70	40	6	9	22

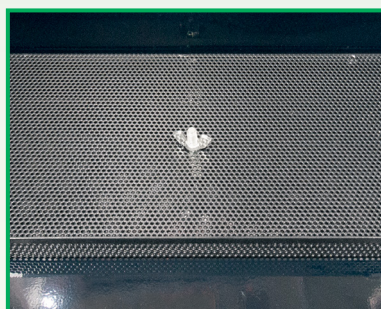
CODE	Price List	HT	Ø mm	d mm	D mm	h mm
N527541	51,19	32,20	41	6	10	22
N527542	52,82	32,70	42	6	10	22
N527543	52,94	33,30	43	6	10	22
N527544	54,08	34,00	44	6	10	22
N527545	55,31	34,80	45	6	10	22
N527546	56,44	35,50	46	6	10	22
N527547	57,78	36,40	47	6	10	22
N527548	58,61	36,90	48	6	10	22
N527549	59,84	37,70	49	6	10	22
N527550	60,77	38,20	50	6	10	22
N527551	85,28	53,50	51	6	10	24
N527552	86,73	55,00	52	6	10	24
N527553	88,48	55,50	53	6	10	24
N527554	89,82	56,50	54	6	10	24
N527555	91,67	57,50	55	6	10	24
N527556	93,11	58,50	56	6	10	24
N527557	95,07	60,00	57	6	10	24
N527558	96,41	60,50	58	6	10	24
N527559	97,64	61,50	59	6	10	24
N527560	99,70	63,00	60	6	10	24
N527561	123,60	78,00	61	8	12	26
N527562	125,97	79,00	62	8	12	26
N527563	127,72	80,00	63	8	12	26
N527564	129,47	81,00	64	8	12	26
N527565	131,63	83,00	65	8	12	26
N527566	133,69	84,00	66	8	12	26
N527567	135,75	85,00	67	8	12	26
N527568	137,40	86,00	68	8	12	26
N527569	139,98	88,00	69	8	12	26
N527570	141,52	89,00	70	8	12	26
N527571	143,69	90,00	71	8	12	26

CODE	Price List	HT	Ø mm	d mm	D mm	h mm
N527572	145,54	91,00	72	8	12	26
N527573	147,81	93,00	73	8	12	26
N527574	149,45	94,00	74	8	12	26
N527575	151,20	95,00	75	8	12	26
N527576	153,47	96,00	76	8	12	26
N527577	155,22	97,00	77	8	12	26
N527578	157,69	99,00	78	8	12	26
N527579	159,55	100,00	79	8	12	26
N527580	161,30	101,00	80	8	12	26
N527581	163,26	102,00	81	8	12	26
N527582	165,21	104,00	82	8	12	26
N527583	167,27	105,00	83	8	12	26
N527584	169,44	106,00	84	8	12	26
N527585	171,19	107,00	85	8	12	26
N527586	173,04	109,00	86	8	12	26
N527587	175,31	110,00	87	8	12	26
N527588	177,16	111,00	88	8	12	26
N527589	179,01	112,00	89	8	12	26
N527590	180,97	114,00	90	8	12	26
N527591	183,24	115,00	91	8	13	28
N527592	184,99	116,00	92	8	13	28
N527593	187,05	117,00	93	8	13	28
N527594	188,90	119,00	94	8	13	28
N527595	190,76	120,00	95	8	13	28
N527596	193,02	121,00	96	8	13	28
N527597	194,98	122,00	97	8	13	28
N527598	196,94	124,00	98	8	13	28
N527599	198,69	125,00	99	8	13	28
N5275100	201,06	126,00	100	8	13	28

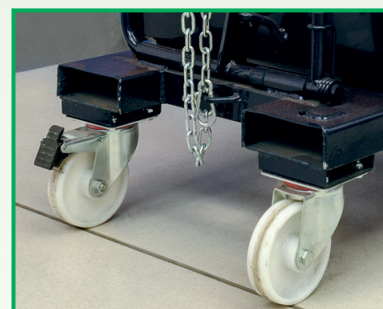
TILTABLE BUCKETS FOR SCRAP



Simple and safe automatic emptying of the container by means of a tilting lever without getting off the trolley



Watertight collection tank with sheet metal filter for separating liquids from solids and ball discharge tap



Forklift tipping containers

CODE	Price List	HT	Model	Capacity kg	Weight kg	A x B x C mm	D mm	E mm	Inclination °
P4511280	1.339,00	739,00	It - 280	600	80	970 x 750 x 890	700	790	25,1
P4511300	1.493,50	799,00	It - 300	600	102	1350 x 820 x 650	490	520	63,5
P4511500	1.648,00	855,00	It - 500	1000	130	1350 x 920 x 910	700	740	57,6
P4511750	1.754,00	899,00	It - 750	1350	152	1350 x 1070 x 1040	825	800	49,6
P45111000	1.957,00	1.000,00	It - 1000	1700	181	1550 x 1070 x 1210	970	920	54

TROLLEYS WITH 3 SHELVES



Premium Quality 3-shelf trolleys made of sheet steel with RAL 5004 blue epoxy paint finish and Ø25 mm tubular steel handle



Non-marking rubber wheels Ø125 mm, two fixed and two swivel with brake



Standard equipment includes a rubber mat to be placed on the upper surface

CODE	Price List	HT	Dimension mm	Capacity kg	Weight kg
P543501	360,00	205,00	1028 x 615 x 846	300	35

HANDLING



MOVE SAFELY

3 METRES AWAY FROM THE MACHINE TOOL

+ Stable structure

The aluminium die-cast structure provides solidity, reducing vibrations and risks.

+ Stable and controlled movements

Guaranteed by the three-lobed shaft and the safety chain.

+ Smoothness and safety

Hardened steel wheel and high-strength chain for smooth and safe movement even under load.

FREE

with the hoist, card
for cycle counter device
for gp - gch hoists

- Suitable for a high number of operations
- Suitable for outdoor use, IP65 protection
- Can be used between -15° and +50 °C

CODE	Price List	HT	LOAD CAPACITY kg	MODEL	CLASS FEM (ISO)	SPEED m/min	NR. CHAIN FALLS N°	EXCURSION m	POWER kW	INTENSITY A
M00051251NF2	2.303,08	1.650,00	125	GP250/1NF	4m (M7)	8/2	1	3	0,72 / 0,18	2,8 / 1,7
M00052001NF2	2.303,08	1.650,00	200	GP250/1NF	3m (M6)	8/2	1	3	0,72 / 0,18	2,8 / 1,7
M00052501NF2	2.303,08	1.650,00	250	GP250/1NF	2m (M5)	8/2	1	3	0,72 / 0,18	2,8 / 1,7
M00055002NF	2.410,20	1.750,00	500	GP250/2NF	2m (M5)	4/1	2	3	0,72 / 0,18	2,8 / 1,7
M000510002NF	2.704,78	1.950,00	1000	GP500/2NF	2m (M5)	4/1	2	3	0,72 / 0,18	2,8 / 1,7
M000516002NF	3.856,32	2.700,00	1600	GP1000/2NF	3m (M6)	4/1	2	3	2,3 / 0,68	5,7 / 4,1
M000520002NF	3.856,32	2.700,00	2000	GP1000/2NF	2m (M5)	4/1	2	3	2,3 / 0,68	5,7 / 4,1

KIT FOR LATHE
AND MACHINE CENTRE

M10102005000 - Crane with
GIS SYSTEM KB profiled arm

M00052001NF - GP electric chain hoists

M8020250 - Magnetic lifters

M1230KIT1 - Anchoring kit

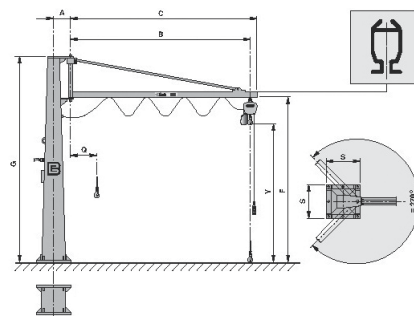
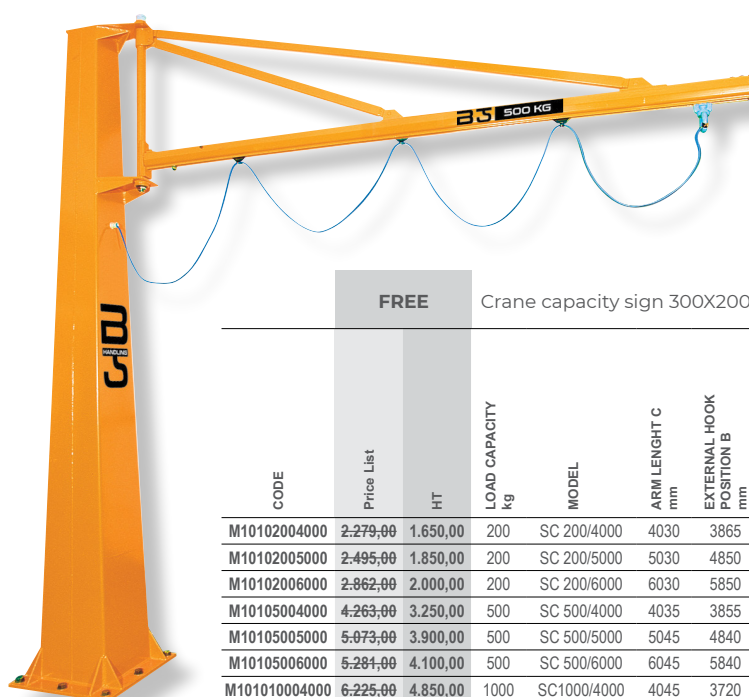
M0990DT - Cycle counter for hoists

€ **3,699,00**

1301567

B·HANDLING

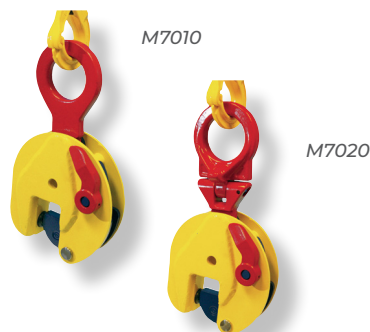
COLUMN-MOUNTED JIB CRANES WITH GIS SYSTEM KB PROFILE ARM



FREE Crane capacity sign 300X200

CODE	Price List	HT	LOAD CAPACITY kg	MODEL	ARM LENGTH C mm	EXTERNAL HOOK POSITION B mm	A mm	F mm	G* mm	Q mm	S mm	MAX HOOK HEIGHT FROM GROUND Y mm	FOUNDATION TYPE**	EXTENSION TYPE	PRESSURE BETWEEN COLUMN BASE AND FOUNDATION kg/cm²	ANCHORING TIE ROD TRACTION kg	Weight kg
M10102004000	2.279,00	1.650,00	200	SC 200/4000	4030	3865	305	3430	4025	570	560	2875	7	1A	5	1100	285
M10102005000	2.495,00	1.850,00	200	SC 200/5000	5030	4850	305	3425	4025	670	560	2865	8	1A	6	1360	320
M10102006000	2.862,00	2.000,00	200	SC 200/6000	6030	5850	305	3425	4025	680	560	2865	8	1A	7	1620	330
M10105004000	4.263,00	3.250,00	500	SC 500/4000	4035	3855	320	3495	4320	600	620	2910	12	2	10	1550	380
M10105005000	5.073,00	3.900,00	500	SC 500/5000	5045	4840	320	3445	4320	730	620	2845	13	2	12	1910	530
M10105006000	5.281,00	4.100,00	500	SC 500/6000	6045	5840	320	3445	4320	730	620	2845	14	2	14	2290	550
M101010004000	6.225,00	4.850,00	1000	SC 1000/4000	4045	3720	320	3445	4320	765	620	2845	17	2	19	3100	500
M101010005000	6.384,00	4.950,00	1000	SC 1000/5000	5045	4720	320	3445	4320	850	620	2845	18	2	24	3850	630
M101010006000	6.727,00	5.000,00	1000	SC 1000/6000	6045	5720	320	3445	4320	950	620	2845	19	2	28	4600	680

VERTICAL LIFTING CLAMPS



CODE	Price List	HT	Model	Load capacity kg	R opening mm	S mm
M7010750	373,63	242,00	0.75 TS	750	0 - 13	47
M70101000	460,54	299,00	1 TSE	1.000	0 - 25	56
M70102000	516,48	335,00	2 TSE	2.000	0 - 35	78
M70103000	583,06	379,00	3 TSE	3.000	0 - 35	78
M70104500	708,05	460,00	4.5 TSE	4.500	0 - 45	85
M7020750	469,24	305,00	0.75 TSU	750	0 - 13	47
M70201000	556,84	361,00	1 TSEU	1.000	0 - 25	56
M70202000	738,39	480,00	2 TSEU	2.000	0 - 35	78
M70203000	794,48	516,00	3 TSEU	3.000	0 - 35	78
M70204500	1.041,17	676,00	4.5 TSEU	4.500	0 - 45	85

DRUM LIFTING CLAMPS

M7050

Steel pliers for safe lifting of drums, including automatic and manual mechanism.



CODE	Price List	HT	Model	Load capacity kg	Opening mm	U mm	V mm
M7050500	262,86	170,00	TVK	500	0-17	121	96

B·HANDLING

VACUJET VACUUM LIFTERS



CODE	Price List	HT	Max. capacity kg	N° vacuum plates	Vacuum plate Ø mm	Height mm
M3050SDPM0125	3.190,00	2.393,00	125	2	250	550
M3050SDPM0250	3.461,00	2.596,00	250	4	250	620
M3050SDPM0500	3.785,00	2.839,00	500	4	300	620
M3050SDPM1000	4.596,00	3.447,00	1000	6	300	650
M3050SDPM1500	5.353,00	4.015,00	1500	8	300	680
M3060SDE0125	3.785,00	2.839,00	125	2	250	550
M3060SDE0250	3.947,00	2.960,00	250	4	250	620
M3060SDE0500	4.272,00	3.204,00	500	4	300	620
M3060SDE1000	5.137,00	3.853,00	1000	6	300	650
M3060SDE1500	5.894,00	4.421,00	1500	8	300	680

DRUMS LIFTING CLAMPS

M7055

Steel pliers for lifting and transporting drums safely, with capacity indicated on the body and manual included.



CODE	Price List	HT	Model	Load capacity kg	Opening mm	A mm	B mm
M7055600	331,04	215,00	TVKH	600	0 - 25	305	434

B·HANDLING

CODE	Price List	HT	Model	Max work load kg	Total length mm
M81201000A	559,1000	880,00	PBMA1-A	1.000	1.050
M81202000A	572,6600	900,00	PBMB2-A	2.000	1.050
M81203000A	586,2200	920,00	PBMC3-A	3.000	1.050
M81204000A	326,7000	1.050,00	PBMD4-A	4.000	1.050
M81201000D	626,8900	980,00	PBMA1-D	1.000	2.050
M81202000D	708,2500	1.110,00	PBMB2-D	2.000	2.050
M81203000D	812,0000	1.300,00	PBMC3-D	3.000	2.050
M81204000D	908,0000	1.420,00	PBMD4-D	4.000	2.050
M81201000G	789,6100	1.240,00	PBMA1-G	1.000	3.050
M81202000G	886,2200	1.380,00	PBMB2-G	2.000	3.050
M81203000G	987,9100	1.550,00	PBMC3-G	3.000	3.050
M81201000J	1017,5700	1.600,00	PBMA1-J	1.000	4.050
M81202000J	1146,3900	1.800,00	PBMB3-J	2.000	4.050
M81203000J	1288,7600	2.000,00	PBMC3-J	3.000	4.050



ADJUSTABLE LIFTING MONOBEAMS

Adjustable, weld-free lifting sling bars without hooks.

Features:
- Central suspension ring and adjustable swivelling load hooks every 100 mm along the beam

Scope of supply:
- Operation and maintenance manual

ELECTRIC PALLET TRUCK

Pallet truck with electric drive and lift, compact, allows work in confined spaces. Ergonomic handle.
 Non-slip design on gradient, LI-ION battery easily replaceable and simple to recharge (status visible on display). The machine can also be equipped with a second, additional battery, allowing continuous, non-stop work.
 Robust chassis designed for maximum durability and resistance to torsion and loads. Shaped fork tips to facilitate entry/exit from the closed side of the pallet.
 Emergency push buttons and electric brakes; drive wheel cover protects the operator's feet during work and truck components from collision with objects.
 Display with error codes to facilitate quick troubleshooting.
 Supplied with mounted tiller arm.



CODE	Price List	HT	Scope kg	Lifting height mm	Fork size mm	Travel speed km/h	Dimensions mm	Battery voltage V/Ah
M91431500	2.307,00	1.549,00	1500	115	1150x550	4-4,5	1552x550	48/10

B·HANDLING

HAND PALLET TRUCKS

M9010

Features:

- Sturdy painted steel structure
- Switch lever featuring good ergonomic grip for easy operation. 3-position control: down - neutral - up.
- Cast iron wheels, thermoplastic polymer coating.

Supplied with:

- Instruction manual of use and maintenance
- Handlebar is delivered as not assembled.



CODE	Price List	HT	Load capacity Kg	Forks mm	Total length mm	Lift H mm	Steering angle	Total height mm	Rolls dimensions mm	Weight kg
M90102500	470,00	299,00	2500	1.150 x 520	1550	85 - 200	220°	1230	82 x 70 double	85



A+B

INDUSTRIAL TOOLS COMPANY



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