

# assortment informations new products

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Tools. Next Level.



**Brütsch/Rüegger Tools Ltd.**

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152810 Measurement projector MITUTOYO PJ-PLUS

For checking small and medium-sized workpieces. X-Y digital indicator, immediately and clearly visible, situated at eye-height. Thanks to the adoption of an “LED illumination source” and “fanless cooling system” the profile projector has excellent durability and energy-saving performance. It provides stable dimension and angle measurements in harsher environments than can be handled by conventional models.

Features:

- Digital display with functions: ABS/INC, ZERO
- Monitor with rotatable crosshairs
- XY measuring stage with quick and precise adjustment
- Digital angle display switchable degree/decimal
- LED trans- and epi-illumination, stepless adjustment
- Data output RS 232

Note:

If required, a data processor QM-Data 200 (152861.0100) or an ASUS All-in-one Tablet (152865.1100) with geometric measurement software M2 (152865.0100) can be connected to the measurement projector.

Package contents:

Objectif 10x and and protective hood.

Appropriate accessories:

- 151300 Optical cleaner
- 152804 Base with granite tabletop FUTURO
- 152830 Accessories MITUTOYO PJ-A/-P/-PV
- 152861 Data processor MITUTOYO QM-Data 200 Expansion system for optical measuring instruments
- 152865 Geometric measuring software MITUTOYO-M2

Order ID		152810.1100	152810.1200
Type		PJ-P1010 / 100 x 100	PJ-P1010 / 100 x 100
Screen Ø	mm	315	315
Range	mm	100 x 100	200 x 100
Resolution	µm	1	1
Table size	mm	250 x 250	350 x 280
Work piece height max.	mm	91	90.5
Work piece weight max.	kg	10	8
Weight	kg	114	118



152810.1100

421572 Quadruple ratchet ring wrench 4 - 1

Reversible

Made of chrome-vanadium steel, chrome-plated. „4 wrenches in 1“ straight shape, reversible on both sides, 72 teeth  
There are two different wrench sizes on two sides.

Tracking angle of 5°, use possible in the tightest conditions.

Order ID	Type	Wrench size mm
421572.0100	8-13	8 x 10 x 12 x 13
421572.0200	9-15	9 x 11 x 14 x 15
421572.0300	10-19	10 x 13 x 17 x 19
421572.0400	16-19	16 x 17 x 18 x 19



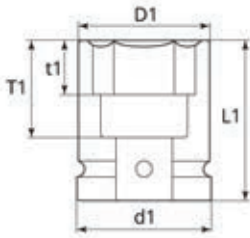
430275 Power socket MOMENTO 3/4"



Momento Silverline, hexagonal socket, with cross hole and ring groove for securing, for tightening screws mechanically.



Order ID	Wrench size mm	Length mm	D1 mm	d1 mm	T1 mm	t1 mm
430275.0100	12	50	23.0	44	26	8
430275.0200	13	50	24.0	44	26	8
430275.0300	14	50	26.0	44	26	10
430275.0400	15	50	26.0	44	26	10
430275.0500	16	50	27.0	44	24	10
430275.0600	17	50	30.0	44	24	10
430275.0700	18	50	31.0	44	24	11
430275.0800	19	50	32.0	44	24	11
430275.0900	20	50	33.0	44	24	12
430275.1000	21	50	35.0	44	24	12
430275.1100	22	50	35.0	44	24	12
430275.1200	23	50	38.0	44	24	13
430275.1300	24	50	38.5	44	24	14
430275.1400	25	50	39.0	44	25	14
430275.1500	26	54	41.0	44	29	15
430275.1600	27	54	42.0	44	29	16
430275.1700	28	54	44.0	44	29	16
430275.1800	29	54	44.0	44	29	17
430275.1900	30	54	46.0	44	29	17
430275.2000	31	54	47.0	44	28	17
430275.2100	32	56	48.5	44	30	19
430275.2200	33	56	51.0	44	30	19
430275.2300	34	56	52.0	44	30	20
430275.2400	35	56	53.0	44	30	20
430275.2500	36	56	54.0	44	30	20
430275.2600	37	58	56.0	44	32	21
430275.2700	38	58	57.0	44	32	21
430275.2800	39	58	58.0	44	30	22
430275.2900	40	58	59.0	44	30	22
430275.3000	41	63	61.0	44	34	23
430275.3100	42	63	62.0	44	34	23
430275.3200	43	63	64.0	44	34	24
430275.3300	44	63	65.0	44	34	24
430275.3400	45	63	66.0	44	34	25
430275.3500	46	63	67.0	44	34	25
430275.3600	47	70	68.5	44	38	26
430275.3700	48	70	69.0	44	46	26
430275.3800	49	70	70.0	44	46	28
430275.3900	50	70	70.0	44	38	28
430275.4000	51	70	70.0	44	46	30
430275.4100	52	70	72.0	44	46	30
430275.4200	55	70	76.0	44	38	30
430275.4300	56	80	78.0	44	56	30
430275.4400	57	80	80.0	44	54	30
430275.4500	58	80	81.0	44	53	30
430275.4600	60	80	83.0	44	50	35
430275.4700	65	80	88.0	44	50	35
430275.4800	67	80	90.0	44	51	40
430275.4900	70	80	95.0	44	50	40
430275.5000	75	80	100.0	44	48	40
430275.5100	80	80	106.0	44	47	40
430275.5200	82	80	108.0	44	46	40
430275.5300	85	80	112.0	44	46	40
430275.5400	88	80	114.0	44	45	40
430275.5500	95	80	124.0	44	43	40



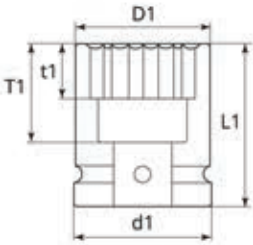
430285 Power socket MOMENTO 3/4"



Momento Silverline, double-hex socket, with cross hole and ring groove for securing, for tightening screws mechanically.



Order ID	Wrench size mm	Length mm	D1 mm	d1 mm	T1 mm	t1 mm
430285.0100	16	50	27.0	44	24	10
430285.0200	17	50	30.0	44	24	10
430285.0300	18	50	31.0	44	24	11
430285.0400	19	50	32.0	44	24	11
430285.0500	20	50	33.0	44	24	12
430285.0600	21	50	35.0	44	24	12
430285.0700	22	50	35.0	44	24	12
430285.0800	23	50	38.0	44	24	13
430285.0900	24	50	38.5	44	24	14
430285.1000	26	54	41.0	44	29	15
430285.1100	27	54	42.0	44	29	16
430285.1200	28	54	44.0	44	29	16
430285.1300	29	54	44.0	44	29	17
430285.1400	30	54	46.0	44	29	17
430285.1500	32	56	48.5	44	30	19
430285.1600	33	56	51.0	44	30	19
430285.1700	34	56	52.0	44	30	20
430285.1800	35	56	53.0	44	30	20
430285.1900	36	56	54.0	44	30	20
430285.2000	37	58	56.0	44	32	21
430285.2100	38	58	57.0	44	32	21
430285.2200	41	63	61.0	44	34	23
430285.2300	42	63	62.0	44	34	23
430285.2400	43	63	64.0	44	34	24
430285.2500	46	63	67.0	44	34	25
430285.2600	47	70	68.5	44	38	26
430285.2700	50	70	70.0	44	38	28
430285.2800	55	70	76.0	44	38	30
430285.2900	60	80	83.0	44	50	35
430285.3000	65	80	88.0	44	50	35

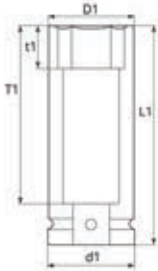


430295 Power socket MOMENTO 3/4"



Momento Silverline, hexagonal socket, long, with cross hole and ring groove for securing, for tightening screws mechanically.

Order ID	Wrench size mm	Length mm	D1 mm	d1 mm	T1 mm	t1 mm
430295.0100	12	100	25.0	44	76	8
430295.0200	13	100	25.0	44	76	8
430295.0300	14	100	27.0	44	76	10
430295.0400	15	100	27.0	44	76	10
430295.0500	16	100	28.0	44	74	10
430295.0600	17	100	31.0	44	74	10
430295.0700	18	100	32.0	44	74	11
430295.0800	19	100	33.0	44	74	11
430295.0900	20	100	34.0	44	74	12
430295.1000	21	100	36.0	44	74	12
430295.1100	22	100	36.0	44	74	12
430295.1200	23	100	39.0	44	74	13
430295.1300	24	100	39.5	44	74	14
430295.1400	25	100	40.0	44	75	14
430295.1500	26	100	42.0	44	74	15
430295.1600	27	100	43.0	44	74	16
430295.1700	28	100	44.0	44	74	16
430295.1800	29	100	44.0	44	74	17
430295.1900	30	100	46.0	44	74	17
430295.2000	31	100	47.0	44	74	17
430295.2100	32	100	48.5	44	74	19
430295.2200	33	100	51.0	44	74	19
430295.2300	34	100	52.0	44	74	20
430295.2400	35	100	53.0	44	74	20
430295.2500	36	100	54.0	44	74	20
430295.2600	37	100	56.0	44	74	21
430295.2700	38	100	57.0	44	72	21
430295.2800	40	100	59.0	44	72	22
430295.2900	41	100	61.0	44	72	23
430295.3000	42	100	62.0	44	72	23
430295.3100	43	100	64.0	44	72	24
430295.3200	44	100	65.0	44	71	24
430295.3300	45	100	66.0	44	71	25
430295.3400	46	100	67.0	44	72	25
430295.3500	47	100	68.5	44	76	26
430295.3600	48	100	69.0	44	76	26
430295.3700	50	100	70.0	44	72	28
430295.3800	51	100	71.0	44	76	30
430295.3900	52	100	72.0	44	76	30
430295.4000	55	100	76.0	44	72	30
430295.4100	56	100	78.0	44	76	30
430295.4200	60	125	83.0	44	98	35
430295.4300	65	125	88.0	44	96	35
430295.4400	70	125	95.0	44	95	40
430295.4500	75	125	100.0	44	93	40
430295.4600	95	125	124.0	44	88	40

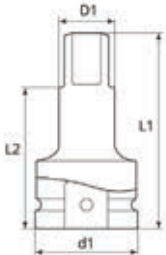


430305 Power socket extension MOMENTO 3/4"



Momento Silverline square extension 3/4", with cross hole and ring groove for securing, for tightening screws mechanically.

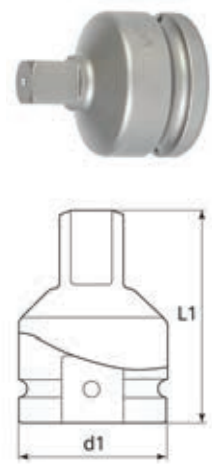
Order ID	Length mm	L2 mm	D1 mm	d1 mm
430305.0100	102	79	25.1	44
430305.0200	178	155	25.1	44
430305.0300	254	231	25.1	44
430305.0400	330	307	25.1	44
430305.0500	381	358	25.1	44



430345 Power socket transition piece MOMENTO

Momento Silverline square transition piece, with cross hole and ring groove for securing, for tightening screws mechanically.

Order ID	External square (male)	Internal square (female)	Length mm	d1 mm
430345.0100	3/4"	1/2"	43	29
430345.0200	3/4"	5/8"	54	35
430345.0300	1"	3/4"	60	44
430345.0400	3/4"	1"	67	54
430345.0500	1 1/2"	1"	85	64
430345.0600	1"	1 1/4"	84	64
430345.0700	1 1/2"	1 1/4"	95	74
430345.0800	1"	1 1/2"	88	84
430345.0900	1 1/2"	2 1/2"	125	137



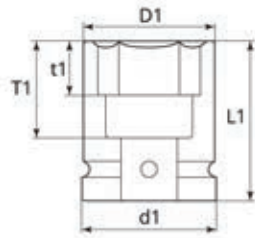
430695 Power socket MOMENTO 1"



Momento Silverline, hexagonal socket, with cross hole and ring groove for securing, for tightening screws mechanically.



Order ID	Wrench size mm	Length mm	D1 mm	d1 mm	T1 mm	t1 mm
430695.0100	17	59	33.0	54	30	10
430695.0200	18	59	34.0	54	30	11
430695.0300	19	59	35.0	54	27	11
430695.0400	20	59	36.0	54	30	12
430695.0500	21	59	36.0	54	27	12
430695.0600	22	59	37.0	54	27	12
430695.0700	23	59	38.0	54	27	14
430695.0800	24	59	38.0	54	27	14
430695.0900	25	59	41.0	54	30	14
430695.1000	26	59	43.0	54	27	15
430695.1100	27	59	44.0	54	27	16
430695.1200	28	61	47.0	54	29	16
430695.1300	29	61	47.0	54	29	17
430695.1400	30	61	50.0	54	29	17
430695.1500	31	61	50.0	54	32	17
430695.1600	32	61	52.0	54	29	19
430695.1700	33	61	54.0	54	29	19
430695.1800	34	61	54.0	54	29	20
430695.1900	35	65	57.0	54	33	20
430695.2000	36	65	57.0	54	33	20
430695.2100	37	65	58.0	54	33	21
430695.2200	38	65	59.0	54	33	21
430695.2300	39	65	59.0	54	34	22
430695.2400	40	65	61.0	54	34	22
430695.2500	41	70	63.0	54	38	23
430695.2600	42	70	64.0	54	38	23
430695.2700	43	70	64.0	54	40	24
430695.2800	44	70	67.0	54	38	24
430695.2900	45	70	68.0	54	38	25
430695.3000	46	75	69.0	54	42	25
430695.3100	47	75	71.0	54	43	26
430695.3200	48	75	72.0	54	43	26
430695.3300	49	75	73.0	54	46	28
430695.3400	50	80	75.0	54	48	28
430695.3500	51	80	76.0	54	51	30
430695.3600	52	80	78.0	54	48	30
430695.3700	53	83	79.0	62	54	30
430695.3800	54	83	80.0	62	54	30
430695.3900	55	83	81.0	62	50	30
430695.4000	56	83	82.0	62	52	30
430695.4100	57	83	85.0	62	54	30
430695.4200	58	83	86.0	62	54	30
430695.4300	60	83	87.0	62	52	33
430695.4400	61	83	88.0	62	54	33
430695.4500	62	86	91.0	62	53	35
430695.4600	63	86	92.0	62	53	35
430695.4700	64	86	94.0	62	53	35
430695.4800	65	86	94.0	62	54	35
430695.4900	66	86	95.0	62	52	38
430695.5000	70	86	100.0	62	54	38
430695.5100	71	86	102.0	76	50	38
430695.5200	74	86	106.0	76	50	38
430695.5300	75	86	107.0	76	54	38
430695.5400	76	86	108.0	76	49	38
430695.5500	77	86	109.0	76	49	38
430695.5600	80	90	113.0	76	58	38
430695.5700	82	90	115.0	76	51	38
430695.5800	84	90	116.0	76	51	38
430695.5900	85	90	117.0	76	58	38
430695.6000	87	90	120.0	76	50	38
430695.6100	88	90	120.0	76	50	38
430695.6200	90	100	124.0	76	67	45
430695.6300	94	100	128.0	76	58	45
430695.6400	95	100	129.0	76	66	45
430695.6500	96	100	132.0	76	57	45
430695.6600	100	100	136.0	76	65	45
430695.6700	105	100	142.0	76	55	50
430695.6800	110	100	147.0	76	53	50
430695.6900	115	100	153.0	76	52	50
430695.7000	120	100	161.0	76	50	50

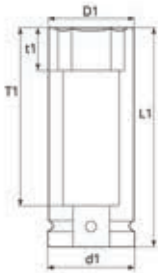


430705 Power socket MOMENTO 1"



Momento Silverline, hexagonal socket, long, with cross hole and ring groove for securing, for tightening screws mechanically.

Order ID	Wrench size mm	Length mm	D1 mm	d1 mm	T1 mm	t1 mm
430705.0100	19	100	35.0	54	71	11
430705.0200	21	100	36.0	54	71	12
430705.0300	22	100	37.0	54	71	12
430705.0400	23	100	38.0	54	68	14
430705.0500	24	100	38.0	54	68	14
430705.0600	25	100	41.0	54	71	14
430705.0700	26	100	43.0	54	71	15
430705.0800	27	100	44.0	54	68	16
430705.0900	28	100	47.0	54	68	16
430705.1000	29	100	47.0	54	71	17
430705.1100	30	100	50.0	54	68	17
430705.1200	31	100	50.0	54	71	17
430705.1300	32	100	52.0	54	68	19
430705.1400	33	100	54.0	54	68	19
430705.1500	34	100	54.0	54	68	20
430705.1600	35	100	57.0	54	68	20
430705.1700	36	100	57.0	54	68	20
430705.1800	37	100	58.0	54	68	21
430705.1900	38	100	59.0	54	67	21
430705.2000	39	100	59.0	54	69	22
430705.2100	40	100	61.0	54	69	22
430705.2200	41	100	63.0	54	67	23
430705.2300	42	100	64.0	54	67	23
430705.2400	43	100	64.0	54	67	24
430705.2500	44	115	67.0	54	83	24
430705.2600	45	115	68.0	54	83	25
430705.2700	46	115	69.0	54	82	25
430705.2800	47	115	71.0	54	83	26
430705.2900	48	115	72.0	54	86	26
430705.3000	49	115	73.0	54	86	28
430705.3100	50	125	75.0	54	93	28
430705.3200	51	125	76.0	54	96	30
430705.3300	52	125	78.0	54	93	30
430705.3400	55	125	81.0	62	93	30
430705.3500	56	125	82.0	62	93	30
430705.3600	57	125	85.0	62	96	30
430705.3700	60	125	87.0	62	93	33
430705.3800	65	135	94.0	62	105	35
430705.3900	70	135	100.0	62	105	38
430705.4000	75	135	107.0	76	105	38
430705.4100	80	140	113.0	76	108	38
430705.4200	85	140	117.0	76	100	38
430705.4300	90	140	124.0	76	99	45
430705.4400	95	140	129.0	76	98	45

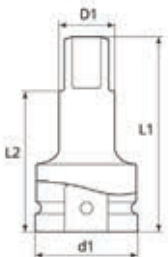


430715 Power socket extension MOMENTO 1"



Momento Silverline square extension 1", with cross hole and ring groove for securing, for tightening screws mechanically.

Order ID	Length mm	L2 mm	D1 mm	d1 mm
430715.0100	102	74	33.5	54
430715.0200	178	150	33.5	54
430715.0300	102	74	33.5	54
430715.0400	330	302	33.5	54
430715.0500	381	353	33.5	54





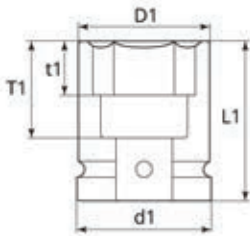
430840 Power socket MOMENTO 1 1/2"



Momento Silverline, hexagonal socket, with cross hole and ring groove for securing, for tightening screws mechanically.



Order ID	Wrench size mm	Length mm	D1 mm	d1 mm	T1 mm	t1 mm
430840.0100	22	80	46.0	84	38	14
430840.0200	24	80	48.0	84	38	14
430840.0300	25	80	50.0	84	38	14
430840.0400	27	80	54.0	84	38	16
430840.0500	30	80	56.0	84	38	17
430840.0600	32	80	59.0	84	38	19
430840.0700	33	80	59.0	84	38	19
430840.0800	34	80	61.0	84	38	20
430840.0900	35	80	61.0	84	38	20
430840.1000	36	84	63.0	84	36	21
430840.1100	37	84	65.0	84	42	21
430840.1200	38	84	65.0	84	36	21
430840.1300	41	84	70.0	84	36	23
430840.1400	42	84	71.0	84	36	23
430840.1500	43	84	73.0	84	36	24
430840.1600	46	87	76.0	84	40	25
430840.1700	47	87	78.0	84	40	26
430840.1800	48	87	79.0	84	40	26
430840.1900	50	90	81.0	84	43	28
430840.2000	52	90	83.0	84	43	30
430840.2100	54	90	84.0	84	44	30
430840.2200	55	90	86.0	86	47	30
430840.2300	56	95	87.0	86	51	30
430840.2400	57	95	90.0	86	53	30
430840.2500	58	95	92.0	86	53	30
430840.2600	60	95	94.0	86	51	35
430840.2700	63	100	97.0	86	58	35
430840.2800	64	100	97.0	86	58	35
430840.2900	65	100	99.0	86	56	35
430840.3000	70	105	105.0	86	61	40
430840.3100	75	110	112.0	86	66	42
430840.3200	77	110	118.0	86	60	42
430840.3300	80	110	119.0	86	66	42
430840.3400	85	120	125.0	86	75	50
430840.3500	90	120	131.0	86	75	50
430840.3600	95	130	141.0	102	83	55
430840.3700	100	130	146.0	102	83	55
430840.3800	105	130	151.0	102	83	55
430840.3900	110	140	157.0	102	92	70
430840.4000	115	140	163.0	102	92	72
430840.4100	120	140	170.0	102	90	77
430840.4200	125	140	175.0	102	90	77
430840.4300	130	150	180.0	102	100	80
430840.4400	135	150	186.0	102	100	80
430840.4500	140	150	192.0	102	100	80
430840.4600	145	150	198.0	102	97	80
430840.4700	150	150	203.0	102	97	85
430840.4800	155	150	209.0	102	97	85

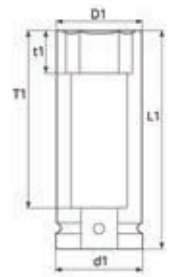


430850 Power socket MOMENTO 1 1/2"



Momento Silverline, hexagonal socket, long, with cross hole and ring groove for securing, for tightening screws mechanically.

Order ID	Wrench size mm	Length mm	D1 mm	d1 mm	T1 mm	t1 mm
430850.0100	30	150	56.0	84	108	17
430850.0200	35	150	61.0	84	108	20
430850.0300	36	150	63.0	84	108	23
430850.0400	38	150	65.0	84	108	24
430850.0500	41	150	70.0	84	106	27
430850.0600	42	150	71.0	84	106	27
430850.0700	43	150	73.0	84	106	27
430850.0800	46	150	77.0	84	106	29
430850.0900	47	150	78.0	84	106	30
430850.1000	48	150	79.0	84	105	30
430850.1100	50	150	81.0	84	106	32
430850.1200	52	150	83.0	84	106	33
430850.1300	55	150	86.0	86	106	35
430850.1400	56	150	87.0	86	108	35
430850.1500	57	150	90.0	86	108	36
430850.1600	58	150	92.0	86	108	37
430850.1700	60	150	94.0	86	106	39
430850.1800	63	150	97.0	86	108	41
430850.1900	64	150	97.0	86	108	41
430850.2000	65	150	99.0	86	106	41
430850.2100	70	170	105.0	86	126	45
430850.2200	75	170	112.0	86	126	47
430850.2300	80	170	119.0	86	126	51
430850.2400	85	180	125.0	86	135	54
430850.2500	90	180	131.0	86	135	58
430850.2600	95	190	141.0	102	143	61
430850.2700	100	190	146.0	102	143	46
430850.2800	105	190	151.0	102	143	66
430850.2900	110	200	157.0	102	152	70
430850.3000	115	200	163.0	102	152	72
430850.3100	120	200	170.0	102	150	77
430850.3200	125	200	175.0	102	136	77
430850.3300	130	210	180.0	102	145	80
430850.3400	135	210	186.0	102	144	80
430850.3500	140	210	192.0	102	142	80
430850.3600	145	210	198.0	102	141	80
430850.3700	150	210	203.0	102	139	85
430850.3800	155	210	209.0	102	138	85

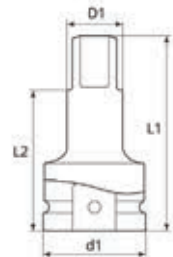


430860 Power socket extension MOMENTO 1 1/2"



Momento Silverline square extension 1 1/2", with cross hole and ring groove for securing, for tightening screws mechanically.

Order ID	Length mm	L2 mm	D1 mm	d1 mm
430860.0100	178	138.7	49.5	84
430860.0200	254	214.7	49.5	84
430860.0300	330	290.7	49.5	84
430860.0400	381	341.7	49.5	84



439020 Slotted-screw blade KOKEN



For **slotted** screws, 5/16" C 8 hexagon coupler.

Suitable for:  
439000 Impact screwdriver set KOKEN

Order ID	Tip width mm	Tip thickness mm	Length mm
439020.0020	6	1	32
439020.0040	7	1	32
439020.0060	8	1.2	32
439020.0100	9	1.6	32
439020.0150	10	1.6	32
439020.0200	11	1.6	32
439020.0250	12	2	32
439020.0300	14	2	32

439025 Phillips cross-head bit KOKEN

For **Phillips**screws, 5/16" C 8 hexagon coupler.



Order ID	Size	Length mm
439025.0100	PH1	32
439025.0200	PH2	32
439025.0300	PH3	32
439025.0400	PH4	32

443065 Pliers wrench XS KNIPEX

**Knipex 84 04 100**, DIN ISO 5743, chrome-vanadium electric steel, forged, oil-hardened, chrome-plated. Particularly compact design and very slim head, therefore optimum accessibility in the tightest of spaces. One-handed fine adjustment with ten positions by pushing on for easy adjustment to different workpiece sizes. Enormous gripping capacity for the wrench size, robust metal joint, smooth jaws and pinch guard. Ideal for use in precision mechanics, plumbing, on-board tools for bicycles or motorbikes, EDC (Every Day Carry), model making.



Order ID	Length mm	Clamping width mm
443065.0100	100	21

446015 Pliers assortments KNIPEX

**KNIPEX 00 20 72 V04 XS**, tool bag made of durable polyester fabric, with hook and loop fastening and belt loop.

Consisting of:  
443065.0100: 1 pieces Pliers wrench KNIPEX XS 86 04 100, 100 mm  
443085.0100: 1 pieces Multigrip pliers KNIPEX Cobra® XS 87 00 100



Order ID	Parts
446015.0100	2

450160 Insulated spade connectors

Polycarbonate-insulated, partially reinforced by copper sleeve. Electrolytically tin-plated, halogen-free. Temperature resistant from -20 to +80°C. **Pack of 100.**



Order ID	for cable mm²	Dimensions mm	Color
450160.0100	0.25...1.5	2.8 x 0.5	red
450160.0200	0.25...1.5	2.8 x 0.8	red
450160.0300	0.25...1.5	4.8 x 0.5	red
450160.0400	0.25...1.5	4.8 x 0.8	red
450160.0500	0.25...1.5	6.35 x 0.8	red
450160.0600	1.5...2.5	4.8 x 0.5	blue
450160.0700	1.5...2.5	4.8 x 0.8	blue
450160.0800	1.5...2.5	6.35 x 0.8	blue
450160.0900	4.0...6.0	6.35 x 0.8	yellow

450165 Fully insulated spade connectors

Polycarbonate **fully insulated**, partially reinforced by copper sleeve. Electrolytically tin-plated, halogen-free. Temperature resistant from -20 to +80°C. **Pack of 100.**



Order ID	for cable mm²	Dimensions mm	Color
450165.0100	0.25...1.5	2.8 x 0.5	red
450165.0200	0.25...1.5	2.8 x 0.8	red
450165.0300	0.25...1.5	4.8 x 0.5	red
450165.0400	0.25...1.5	4.8 x 0.8	red
450165.0500	0.25...1.5	6.35 x 0.8	red
450165.0600	1.5...2.5	4.8 x 0.5	blue
450165.0700	1.5...2.5	4.8 x 0.8	blue
450165.0800	1.5...2.5	6.35 x 0.8	blue
450165.0900	4.0...6.0	6.35 x 0.8	yellow

450170 Insulated tabs

Polycarbonate-insulated, partially reinforced by copper sleeve. Electrolytically tin-plated, halogen-free. Temperature resistant from -20 to +115°C. **Pack of 100.**

Order ID	for cable mm²	Dimensions mm	Color
450170.0100	0.25...1.5	6.35 x 0.8	red
450170.0200	1.5...2.5	6.35 x 0.8	blue



450175 Fully insulated tabs

Polycarbonate **fully insulated**, partially reinforced by copper sleeve. Electrolytically tin-plated, halogen-free. Temperature resistant from -20 to +115°C. **Pack of 100.**

Order ID	for cable mm²	Dimensions mm	Color
450175.0100	0.25...1.5	6.35 x 0.8	red
450175.0200	1.5...2.5	6.35 x 0.8	blue



456005 Safety scissors MARTOR



**SECUMAX 564**, for very long cuts. The SECUMAX 564 is characterized by its **thumb opening and its extra-long edge**, which also makes an ideal support surface. These safety scissors not only enable you to completely control your work. They also allow you to cut through cardboard, paper, film, fabric and much more with just a few cuts. Optimal safety is guaranteed by the special sharpening of the cutting edges and the **rounded tips**.

**Appropriate accessories:**  
550095 Belt pouch with clip MARTOR

Order ID	Type
456005.0100	Secumax 564



456015 Safety scissors MARTOR



**SECUMAX 565**, the all-rounder at work and at home. Our all-purpose tool for professional cutting. **Ideal for larger hands – or for those who wear gloves during work.** Cardboard, paper, films, fabrics and much more cannot withstand its powerful cuts. However, you also have optimal protection thanks to the **special sharpening and the rounded tips**. The additional wire-cutter facility can be used to cut through **wires and cables**, and the grips integrated in the handle help to open caps.

**Appropriate accessories:**  
550095 Belt pouch with clip MARTOR

Order ID	Type
456015.0100	Secumax 565



456995 Universal knife KNIPEX

**Knipex CutiX**, reliable universal knife with individually adjustable blade stabilisation — for precise cutting without accidental bending or breaking of the blade. Robust, durable magnesium housing: light as plastic, strong as die-cast aluminium. Flat, ergonomic sliders separate for blade and stabilising rail, no accidental operation of sliders. Two spare blades in the secured grip magazine.

Order ID	Type	Length mm
456995.0100	90 10 165	165



456997 Stabilising rail KNIPEX

Replacement parts set for KNIPEX CutiX (90 10 165).

**Suitable for:**  
456995 Universal knife KNIPEX

Order ID	456997.0100
Type	90 10 165 E01



457316 Trapezoid blades MARTOR

Dispenser containing 10 blades



Usable with:

- 457110 Safety knife MARTOR
- 457115 Safety knife MARTOR
- 457875 Safety knife MARTOR
- 457900 Safety knife MARTOR
- 457910 Safety knife MARTOR
- 457915 Safety knife MARTOR
- 457930 Safety knife MARTOR
- 457950 Safety knife MARTOR

Order ID	Model	Size mm	Designation
457316.0100	99.70	60 x 19 x 0.63	Standard blade
457316.0200	60099	55.5 x 19 x 0.63	Deep-edged and rounded corners
457316.0400	5232.70	53 x 19 x 0.63	With deep edge, 2-sided grinding
457316.0500	60099C	55.5 x 19 x 0.65	Ceramic blade, two-sided grinding
457316.0600	65232C	49.9 x 19 x 0.65	Ceramic blade, two-sided grinding
457316.0700	199	60 x 19 x 0.63	Steel, stainless, two-sided grinding
457316.0800	52	53 x 19 x 0.63	Steel, two-sided grinding

457875 Safety knife MARTOR



**Secunorm Multisafe**, extremely robust safety knife, made from die-cast zinc. Thanks to its simple and sturdy design, it has enormous endurance and all common materials can be cut thanks to the large blade extension. With suspension eye.



Appropriate accessories:

- 457316 Trapezoid blades MARTOR
- 457325 Used blade container MARTOR
- 457985 Hook blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457875.0100	Multisafe	22	142

457885 Safety knife MARTOR



**Secumax Opticut**, optimised for cuts under pressure, glides over the material and right through it. The film and foam knife that cuts even harder and thicker films effortlessly. Sliding feet made of teflonised metal for maximum abrasion resistance. Additional curvature at the front of the grip for high ergonomics when cutting the material. Easy blade change by means of an arm button.



Order ID	Type	Cutting depth mm	Length mm
457885.0100	Opticut 437	7.3	112

457886 Safety knife MARTOR



**Secumax Opticut 436**, optimised for cuts under tension, glides over the material and right through it. The film and foam knife that cuts even harder and thicker films effortlessly. Sliding feet made of teflonised metal for maximum abrasion resistance. Additional curvature at the front of the grip for high ergonomics when cutting the material. Easy blade change by means of an arm button.



Appropriate spare parts:

- 457980.0400 Rectangular blades MARTOR 37040.60 / pack of 10 blades

Order ID	Type	Cutting depth mm	Length mm
457886.0100	Opticut 436	7.5	112

457890 Safety knife MARTOR



**Secumax Cardycut**, one of the slimmest and most compact cutting tools with a wall thickness of only 2 mm. This makes it possible to cut even in tiny gaps and the narrowest spaces, such as those found in the automotive industry. The narrow access between the blade and the plastic facilitates the controlled cutting of single-layer film and paper. Stainless, TiN-coated blade for maximum service life. **Pack of 10**



Order ID	Type	Cutting depth mm	Length mm
457890.0100	Cardycut	2	71

457895 Safety knife MARTOR



**Secumax SOS-Cutter**, reliably cuts through any seat belt — whether as a doctor, emergency response officer or in damaged vehicles. In addition, the safety knife is suitable for garments. This is because these also have to be removed in the event of a fall. Cutting under pressure is supported by the flat design and the rounded edges. Alternatively, the safety knife can be attached using the integrated Velcro strip. For example, on the dashboard. So it is always available quickly — without „flying around“ in the vehicle.

Order ID	Type	Cutting depth mm	Length mm
457895.0100	SOS-Cutter	3.1	124

457900 Safety knife MARTOR



**SECUPRO 625**, the „intelligent“ cutting tool. As soon as the blade leaves the cutting material, it pulls back into the handle by itself. Even if you keep your finger on the slider or lever. **Rounded trapezoid blade**, aluminium handle, easy lever for releasing the blade, particularly large cutting depth combined with a fully automatic retractable blade, easy blade change.

Appropriate accessories:

- 457316 Trapezoid blades MARTOR
- 457325 Used blade container MARTOR
- 457985 Hook blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457900.0100	Secupro 625	21	154

457905 Safety knife MARTOR



**SECUPRO MARTEGO**, for the highest demands. A cutting tool in which function and design go hand in hand. A lockable cutter with fully automatic blade retraction. Safe, very robust, very ergonomic, very versatile and made to very high standards. It is not only suitable for both right- and left-handed users, but also for those with very large hands. **Four-edged industrial blade**, tool-free blade change, robust aluminium housing, soft grip, blade lock.

Appropriate accessories:

- 457325 Used blade container MARTOR
- 457980 Rectangular blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457905.0100	Secupro Martego	9	155

457910 Safety knife MARTOR



**SECUPRO MEGASAFE**, with rounded trapezoid blade and rounded corners, extra-large blade extension, fully automatic blade retraction even when the blade is not fully extended. Aluminium housing, TÜV certified.

Appropriate accessories:

- 457316 Trapezoid blades MARTOR
- 457325 Used blade container MARTOR
- 457985 Hook blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457910.0100	Secupro Megasafe	17	153

457915 Safety knife MARTOR



**SECUPRO MAXISAFE**, with a three-sided slider and rounded trapezoid blade, fully automatic blade retraction, fibreglass-reinforced plastic housing, metal abrasion protection shield on underside of knife head, large blade extension, for three-layer boxes—depending on the blade shape attached—as well as all other materials, such as carpets or films. Maximum ease of use for left and right-handed users.

Appropriate accessories:

- 457316 Trapezoid blades MARTOR
- 457325 Used blade container MARTOR
- 457985 Hook blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457915.0100	Secupro Maxisafe	16	148

457920 Safety knife MARTOR



**SECUPRO MERAK**, practical lockable cutter with fully automatic blade retraction. Thanks to the small cutting depth, the cutting material is very well protected. **Four-edged industrial blade**, small cutting depth of 9 mm, fully automatic blade retraction, tool-free blade change, robust fibreglass-reinforced plastic housing, blade lock.

Appropriate accessories:

- 457325 Used blade container MARTOR
- 457980 Rectangular blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457920.0100	Secupro Merak	9	128

457925 Safety knife MARTOR



**SECUNORM 380**, with long blade extension up to 78 mm and automatic blade retraction. A blade lock prevents the blade from being unintentionally released from the handle. Ergonomic soft-grip handle, fibreglass-reinforced plastic housing, tool-free blade change, TÜV certified.

Appropriate accessories:

- 457325 Used blade container MARTOR
- 458005 Polystyrene blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457925.0100	Secunorm 380	78	170

457930 Safety knife MARTOR



**SECUNORM 300**, with trapezoid blade, automatic blade retraction, particularly lightweight fibreglass-reinforced plastic housing, tool-free blade change.

Appropriate accessories:

- 457316 Trapezoid blades MARTOR
- 457325 Used blade container MARTOR
- 457985 Hook blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457930.0100	Secunorm 300	19	143



457935 Safety knife MARTOR



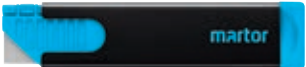
**SECUNORM HANDY 1444**, a classic in pocket size. High-frequency cutting is no problem for this tool. Four-edged industrial blade, **handle and blade made from stainless steel**, convenient pocket size, tool-free blade change, automatic blade retraction. TÜV certified.

Appropriate accessories:

- 457325 Used blade container MARTOR
- 457980 Rectangular blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457935.0100	Secunorm Handy 1444	8.5	100

457940 Safety knife MARTOR



**SECUNORM HANDY 445**, a classic in pocket size. High-frequency cutting is no problem for this tool. Four-edged industrial blade, handy pocket size, tool-free blade change, automatic blade retraction. TÜV certified.

Appropriate accessories:

- 457325 Used blade container MARTOR
- 457980 Rectangular blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457940.0100	Secunorm Handy 455	8.5	100

457945 Safety knife MARTOR



**SECUNORM 175**, typical small cardboard knife with particularly easy blade change and automatic blade retraction. Four-edged industrial blade, ergonomic fibreglass-reinforced plastic handle, TÜV certified.

Appropriate accessories:

- 457325 Used blade container MARTOR
- 457980 Rectangular blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457945.0100	Secunorm 175	10	109

457950 Safety knife MARTOR



**SECUNORM MIZAR**, with a large cutting depth for all standard cutting materials and for a wide variety of cutting types thanks to optimal handling. Trapezoid blade, ergonomic fibreglass-reinforced plastic handle. 3-in-1 lock for locking and unlocking and for easy, secure blade change.

Appropriate accessories:

- 457316 Trapezoid blades MARTOR
- 457325 Used blade container MARTOR
- 457985 Hook blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457950.0100	Secunorm Mizar	15	139



457955 Safety knife MARTOR



**SECUMAX EASYSAFE**, with concealed blade for maximum safety against cutting accidents and damaged goods. Replaceable industrial blade, special nub for opening sacks or shrink-wrapped pallets, integrated plastic spring enables cutting of thin film and paper reams, metal plate on top of handle for piercing and cutting tape on boxes. Made from fibreglass-reinforced plastic, TÜV certified.

Appropriate accessories:

- 457325 Used blade container MARTOR
- 457980 Rectangular blades MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457955.0100	Secunorm Easysafe	6.6	207

457960 Safety knife MARTOR



**SECUMAX 350**, with concealed blade for maximum safety against cutting accidents and damaged goods. Made from fibreglass-reinforced plastic, for cutting all standard materials – from film to plastic wrap and even two-layer cardboard. Adhesive tape can also be cut with ease. The blade and tape cutter are both double-edged. Simply remove the whole blade head to turn or change it. TÜV certified.

Appropriate accessories:

- 457325 Used blade container MARTOR
- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457960.0100	Secumax 350	6	154

457965 Safety knife MARTOR



**SECUMAX 150**, overcomes several challenges in one. Extremely safe: The concealed blade doesn't get too close — neither to you nor to your product. Extremely versatile: You can cut, scrape and score, all without needing a second knife. Extremely comfortable: The SECUMAX 150 is ergonomically shaped and at just 24 g, is also very light. Made from fibreglass-reinforced plastic, with three-in-one blade head, for cutting, scraping and tearing adhesive tape. **Pack of 10**

Appropriate accessories:

- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457965.0100	Secumax 150	6.2	148

457970 Safety knife MARTOR



**SECUMAX 145**, small safety knife for routine cutting. Easily copes with single-layer cardboard, film and adhesive tape. The two cutting edges are safely concealed to fully protect you and your fingers. Made from fibreglass-reinforced plastic, with two-in-one blade head, for cutting and piercing. For effortless piercing (e.g. cardboard and film) use the knife nibs to the left and right of the blade, for packaging tape use the corners at the top of the blade head. **Pack of 10**

Appropriate accessories:

- 550095 Belt pouch with clip MARTOR

Order ID	Type	Cutting depth mm	Length mm
457970.0100	Secumax 145	3.8	118

457990    Scraper MARTOR



**SCRAPEX 596** is ideally suited for easily removing stickers, labels and other paper, paint and varnish residues from all smooth surfaces. Die-cast zinc handle with non-slip soft grip.

**Appropriate accessories:**  
457325 Used blade container MARTOR  
458015 Scraper blades MARTOR

Order ID	Type	Dimensions mm
457990.0100	Scrapex 596	180 x 27 x 100



457995    Scraper MARTOR



**SCRAPEX 5196** is ideally suited for easily removing stickers, labels and other paper, paint and varnish residues from all smooth surfaces. **Extra-long die-cast zinc handle** with non-slip soft grip.

**Appropriate accessories:**  
457325 Used blade container MARTOR  
458015 Scraper blades MARTOR

Order ID	Type	Dimensions mm
457995.0100	Scrapex 5196	293 x 27 x 100



458075    Plastic pipe cutters KNIPEX

**Knipex BiX® 90 22 10**, practical aid for plumbing and electrical applications. Cut plastic pipes, drip and sealing sleeves quickly and efficiently. Separates pipes without cutting and fits in your fist. Cuts, among other things, high-temperature waste water pipes and electric conduits in no time at all. Shortens drip and sealing sleeves during final assembly — close to the wall in line with standards. Rotatable knife block for cutting plastic pipes (blade in the middle) or drip and sealing sleeves (blade on the outside). With locking mechanism for safe transport, two spare blades integrated in the tool.

**Appropriate accessories:**  
458085 Replacement blades KNIPEX

Order ID	Length mm	for tubes Ø mm
458075.0100	72	20...50



458085    Replacement blades KNIPEX

**Knipex 90 22 10 E01**, suitable for KNIPEX BiX® 90 22 10 plastic pipe cutter.

Order ID	458085.0100
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489730    High-performance Cubitron fibre disc 3M

3M 982CX Pro Cubitron II

Solid ceramic, re-engineered abrasive grain Cubitron™ II and newly configured design **for structural steels**. Cuts with less contact pressure, helping to reduce the demands on operators. **Applications:** Chamfering before welding, for weld seam dressing, grinding off risers on cast parts, removing scale and slag and flame cut-edge clean-up. Uniform roughness, cool grinding, less material distortion. Free from traces of stainless steel and contaminants.

**Appropriate accessories:**  
489640 High performance supporting disc for fibre discs 3M



Storage pack 25 pieces/sales unit 1 piece

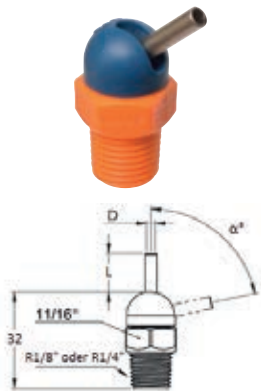
Order ID	Ø mm	Grain
489730.0100	115	36+
489730.0200	125	36+

503070 High-pressure nozzles LOC-LINE HPT - CT 1/8"

1/8"

**Type CT 1/8"** — especially suitable for high pressure up to 70 bar in confined spaces. Acetal body with stainless steel ball and extension. The nozzles can be easily screwed into existing threaded holes. **Packs of 2.**

Order ID	Type	D mm	L mm	a °
503070.0100	72010	1.6	0	72
503070.0200	72011	1.6	6.35	72
503070.0300	72012	1.6	12.7	72
503070.0400	72013	1.6	32	72
503070.0500	72014	2.2	0	72
503070.0600	72015	2.2	6.35	72
503070.0700	72016	2.2	12.7	72
503070.0800	72017	2.2	32	72
503070.0900	72018	3.0	0	72
503070.1000	72019	3.0	6.35	72
503070.1100	72020	3.0	12.7	72
503070.1200	72021	3.0	32	72
503070.1300	72022	4.1	0	70
503070.1400	72023	4.1	6.35	70
503070.1500	72024	4.1	12.7	70
503070.1600	72025	4.1	32	70

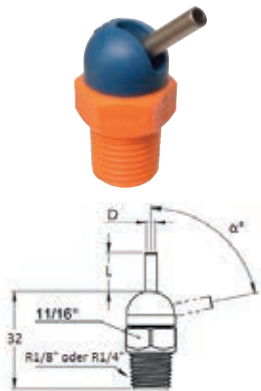


503075 High-pressure nozzles LOC-LINE HPT - CT 1/4"

1/4"

**Type CT 1/4"** — especially suitable for high pressure up to 70 bar in confined spaces. Acetal body with stainless steel ball and extension. The nozzles can be easily screwed into existing threaded holes. **Packs of 2.**

Order ID	Type	D mm	L mm	a °
503075.0100	72060	1.6	0	72
503075.0200	72061	1.6	6.35	72
503075.0300	72062	1.6	12.7	72
503075.0400	72063	1.6	32	72
503075.0500	72064	2.2	0	72
503075.0600	72065	2.2	6.35	72
503075.0700	72066	2.2	12.7	72
503075.0800	72067	2.2	32	72
503075.0900	72068	3.0	0	72
503075.1000	72069	3.0	6.35	72
503075.1100	72070	3.0	12.7	72
503075.1200	72071	3.0	32	72
503075.1300	72072	4.1	0	70
503075.1400	72073	4.1	6.35	70
503075.1500	72074	4.1	12.7	70
503075.1600	72075	4.1	32	70

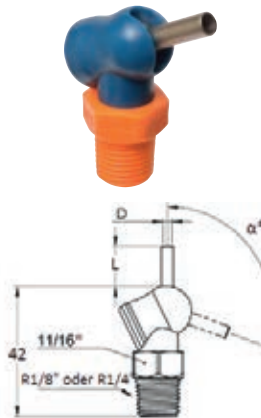


503080 High-pressure nozzles LOC-LINE HPT - XR 1/8"

1/8"

**Type XR 1/8"** — especially suitable for high pressure up to 70 bar with extra large angle range. Acetal body with stainless steel ball and extension. The nozzles can be easily screwed into existing threaded holes. **Packs of 2.**

Order ID	Type	D mm	L mm	a °
503080.0100	72040	1.6	0	110
503080.0200	72041	1.6	6.35	110
503080.0300	72042	1.6	12.7	110
503080.0400	72043	1.6	32	110
503080.0500	72044	2.2	0	110
503080.0600	72045	2.2	6.35	110
503080.0700	72046	2.2	12.7	110
503080.0800	72047	2.2	32	110
503080.0900	72048	3.0	0	110
503080.1000	72049	3.0	6.35	110
503080.1100	72050	3.0	12.7	110
503080.1200	72051	3.0	32	110
503080.1300	72052	4.1	0	102
503080.1400	72053	4.1	6.35	102
503080.1500	72054	4.1	12.7	102
503080.1600	72055	4.1	32	102



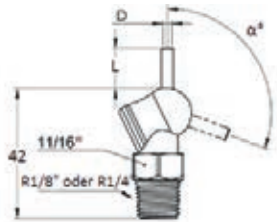
503085 High-pressure nozzles LOC-LINE HPT - XR 1/4"

1/4"

**Type XR 1/4"** — especially suitable for high pressure up to 70 bar with extra large angle range. Acetal body with stainless steel ball and extension. The nozzles can be easily screwed into existing threaded holes.

Packs of 2.

Order ID	Type	D mm	L mm	a °
503085.0100	72080	1.6	0	110
503085.0200	72081	1.6	6.35	110
503085.0300	72082	1.6	12.7	110
503085.0400	72083	1.6	32	110
503085.0500	72084	2.2	0	110
503085.0600	72085	2.2	6.35	110
503085.0700	72086	2.2	12.7	110
503085.0800	72087	2.2	32	110
503085.0900	72088	3.0	0	110
503085.1000	72089	3.0	6.35	110
503085.1100	72090	3.0	12.7	110
503085.1200	72091	3.0	32	110
503085.1300	72092	4.1	0	102
503085.1400	72093	4.1	6.35	102
503085.1500	72094	4.1	12.7	102
503085.1600	72095	4.1	32	102



515130 Threadlocker ERGO, medium strength

Type 4052

Anaerobic curing product, for securing screw connections, for general purpose use, with gap-filling effect due to higher viscosity, especially suitable for stainless and galvanized screws. Relatively insensitive to fouled surfaces, corresponds to DIN EN 751-1 (DVGW). NSF/ DVGW approval

Order ID	515130.0050	515130.0100	515130.0200
<b>Bottle</b>	<b>10</b>	<b>50</b>	<b>250</b>
Type	4052	4052	4052
Colour	Blue		
for thread max.	M36	M36	M36
Joint max.	0.25	0.25	0.25
Breakaway torque	Nm	25	25
Temperature range	°C	-55...+150	-55...+150
Viscosity	mPa·s	2500	2500
Final strength at 25°C	h	3	3
H phrases	H412		
P phrases	P273, P501		



515295 Retaining compound ERGO

Type 1039

Medium viscous, toughened adhesive which is specifically suitable for all applications **where good resistance against peeling, long-term vibrations and impact is required**. Very good properties under impact stress and alternating thermal loads. The cured adhesive demonstrates excellent bonding and adhesive strength to metals, glass and ceramics. ergo.® 1039 Gel is a fast-curing adhesive system that requires the accelerator ergo.® 1090 for curing to occur.

Features & benefits

- + Good gap-filling properties up to 0.50 mm (1.0 mm)
- + May be used on vertical areas (does not run)
- + Fast fusing strength and reliable curing with accelerator

Appropriate accessories:

515825 Accelerator ERGO Type 1090



Minimum quantity: 12 units

Order ID	515295.0100	
<b>Bottle</b>	<b>ml</b>	<b>50</b>
Type		1039
Colour		Clear
Joint max.	mm	0.5
Breakaway torque	Nm	15
Shear strength	N/mm²	15
Temperature range	°C	-55...+150
Viscosity	mPa·s	100000
Symbols of danger	GHS5, GHS7	
H phrases	H315, H317, H318, H335, H412	
P phrases	P261, P280, P304+P340, P305+P351+P338, P310, P333+P313	

515425 Thread sealant ERGO high-strength

Type 4208

High-strength pipe thread sealant **for non-ferrous and aluminium alloys** which is resistant against high temperatures and a range of materials. Also suitable as a retaining compound.

Order ID	515425.0100	
Bottle	ml	50
Type		4208
Colour		Red
for thread max.		2"
Joint max.	mm	0.2
Breakaway torque	Nm	25
Compression strength	N/mm²	27
Operating temperature	°C	-55...+175
Viscosity	mPa·s	2500
Symbols of danger	GHS7	
H phrases	H315, H317, H319	
P phrases	P261, P280, P305+P351+P338, P310, P333+P313, P501	



515445 Thread sealant ERGO low-strength

Type 4212

Pipe thread sealant **with PTFE** for conical/cylindrical threaded connections up to R 3". For sealing pipe thread connections against liquids, gases and solvents. Firmly tightened screw fittings are immediately sealed against pressures up to 5 bar. **Certified in accordance with NSF ANSI 61 for use in commercial and residential drinking water systems up to +82°C. NSF P1 listed for use in food processing environments.**

Minimum quantity: 12 units

Order ID	515445.0100	
Bottle	ml	50
Type		4212
Colour		White
for thread max.		3"
Joint max.	mm	0.5
Breakaway torque	Nm	4
Compression strength	N/mm²	2
Operating temperature	°C	-55...+150
Viscosity	mPa·s	240000
H phrases	EUH210	



515825 Accelerator ERGO

Type 1090

This accelerator has been specially developed to glue parts within seconds at room temperature. Use with Gel ergo.® 1039.

Product instructions:

Depending on the gap, the accelerator ergo.® 1090 has to be applied thinly to one side or on both sides if the gap is bigger than 0.5 mm. The accelerator is 100% reactive and therefore does not require any drying time. Apply the adhesive to just one surface of the component only. If necessary, use a brush or toothed spatula to spread the adhesive evenly in order to completely moisten between the parts. The moistened parts must be joined within 10 minutes!

Usable with:

515295 Retaining compound ERGO Type 1039



Minimum quantity: 12 units

Order ID	Contents ml	Type
515825.0100	10	1090
Symbols of danger	GHS7	
H phrases	EUH208, H315, H319, H335	
P phrases	P261, P280, P304+P340, P305+P351+P338, P312, P332+P313	

516005 Peristaltic hand pump LOCTITE

**Loctite Pro Pump peristaltic hand pump**, screws onto the 50-ml or 250-ml bottles for anaerobic LOCTITE adhesives, turning the product container into a complete peristaltic pump. This patented eccentric screw pump works on the positive displacement principle and is used specifically **for dosing anaerobic LOCTITE screw locks and joining adhesives**. The nozzle can be adjusted in three directions: horizontal, 45° upwards and 45° downwards. It can be retracted by 90° for storage. The hand pump allows clean and precise work with consistent results **without dribbling, dripping or spilling** and without wasting material.

Order ID	Type	for	Metering quantity ml
516005.0100	Pro Pump (2564842)	50 ml/250 ml	0.01...0.40



516500 Super glue ERGO

Type 5011

For all-purpose use, viscosity, curing speed and strength are well-balanced, is thus suitable for most materials and applications, **colourless**.Approval NSF.

Order ID		516500.0100	516500.0200	516500.0300
Bottle	g	20	30	50
Type		5011	5011	5011
Temperature range	°C	-30...+80	-30...+80	-30...+80
Viscosity	mPa·s	100	100	100
Final strength at 25°C	h	24	24	24
Setting time at 25°C	s	40...60	40...60	40...60
Package		Plastic bottle	SmartPen®	Plastic bottle
Symbols of danger		GHS7		
H phrases		EUH202, H315, H319, H335		
P phrases		P261, P280, P304+P340, P305+P351+P338, P312, P332+P313		



516520 Super glue ERGO

Type 5014

For general-purpose use, **low-viscosity**, **colourless**.  
30 g with practical SmartPen, high-precision exact bonding.

Order ID		516520.0100	516520.0200	516520.0300
Bottle	g	20	30	50
Type		5014	5014	5014
Temperature range	°C	-30...+80	-30...+80	-30...+80
Viscosity	mPa·s	2000	2000	2000
Final strength at 25°C	h	24	24	24
Setting time at 25°C	s	50...70	50...70	50...70
Symbols of danger		GHS7		
H phrases		EUH202, H315, H319, H335		
P phrases		P261, P280, P304+P340, P305+P351+P338, P312, P332+P313		



516555 Super glue ERGO

Type 5634

especially for metal-metal and plastic-metal bonds that are subjected to special loads, above-average resistance to impacts and vibration. Delayed curing, above-average resistance to moisture, changes of climate and many organic solvents, **colourless**.

Order ID		516555.0100	516555.0200
Bottle	g	20	50
Type		5634	5634
Temperature range	°C	-30...+120	-30...+120
Viscosity	mPa·s	3000	3000
Final strength at 25°C	h	24	24
Setting time at 25°C	s	80...100	80...100
Symbols of danger		GHS7	
H phrases		EUH202, H315, H319, H335	
P phrases		P261, P280, P305+P351+P338, P304+P340, P312, P332+P313	



516570 Superglue ERGO

Type 5300

For elastomers, outstanding resistance to moisture and changing environmental conditions, **colourless**. Approval: NSF.

Order ID		516570.0100	516570.0200	516570.0300
Bottle	g	20	30	50
Type		5300	5300	5300
Temperature range	°C	-30...+80	-30...+80	-30...+80
Viscosity	mPa·s	20	20	20
Final strength at 25°C	h	24	24	24
Setting time at 25°C	s	20...30	20...30	20...30
Package		Plastic bottle	SmartPen®	Plastic bottle
Symbols of danger		GHS7		
H phrases		EUH202, H315, H319, H335		
P phrases		P261, P280, P304+P340, P305+P351+P338, P312, P332+P313		



516595 Mineral filler ERGO

Type 5000

Fine silicon dioxide-based powder. **Use in combination with ergo.® instant adhesives**. Fills and closes gaps, cracks or holes in seconds. Smooths out uneven areas. After curing, the material can be abraded mechanically and painted over.

Minimum quantity: 12 units

Order ID		516595.0100
Bottle	ml	30
Type		5000
H phrases		EUH210



516645 Superglue ERGO

Type 5925

Fast curing standard grade, which, compared to normal universal products, is insensitive to inactive surfaces. Therefore although the its viscosity is low, the product is able to bond **difficult materials such as porous rubber, cardboard, paper, cork, leather**. Certified according to ANS/NSF Standard 61 for use in commercial and residential drinking water systems.

Order ID		516645.0100	516645.0200	516645.0300
Bottle	ml	20	30	50
Type		5925	5925	5925
Colour		Clear	Clear	Clear
Operating temperature	°C	-30...+80	-30...+80	-30...+80
Viscosity	mPa·s	30	30	30
Final strength	h	24	24	24
Setting time at 25°C	s	5...60	5...60	5...60
Shear strength	N/mm²	16	16	16
Symbols of danger	GHS7			
H phrases	EUH202, H315, H319, H335			
P phrases	P261, P280, P304+P340, P305+P351+P338, P312, P332+P313			



516650 Primer ERGO

Type 5150

for use with products that because of low surface tension can only be covered with adhesive with difficulty or not at all (e.g. PTFE, polyethylene, polypropylene, polyoxymethylene, silicone, etc.).

Order ID		516650.0100	516650.0200
Bottle	ml	10	50
Type		5150	5150
Symbols of danger	GHS2, GHS7, GHS8, GHS9		
H phrases	H222, H223, H224, H225, H226, H227, H228, H229, H304, H315, H336, H410		
P phrases	P210, P211, P251, P261, P410+P412, P501		



516655 Superglue ERGO

Type 5950

Extremely low viscous adhesive **with capillary properties**. Especially suitable **for the smallest gaps and micro-applications**. The product moistens surfaces very easily and shows good resistance to environmental influences.

Order ID		516655.0100
Bottle	ml	20
Type		5950
Colour		Clear
Operating temperature	°C	-30...+80
Viscosity	mPa·s	5
Final strength	h	24
Setting time at 25°C	s	5...28
Shear strength	N/mm²	12
Symbols of danger	GHS7	
H phrases	EUH202, H315, H319, H335	
P phrases	P261, P280, P304+P340, P305+P351+P338, P312, P332+P313	



517075 Single-component adhesive and sealant ERGO

Type 6200

Fast-curing, **white, elastic, single-component adhesive and sealant** for elastic bonding and sealing of seams and joints in bodywork, railcar, shipbuilding and container construction. Also suitable for applications in metal working, equipment manufacturing, mechanical engineering and in air conditioners and ventilation technologies. The product generally adheres to clean, dry and grease-free surfaces without primer. Adhesion and compatibility with varnishes and plastics must be checked in advance. Not suitable for glass bonding where the adhesive surface is permanently exposed to UV light. If used on PMMA, stress cracks may occur.

Properties & benefits

- + Good adhesion to glass, many metals (zinc, aluminium, steel), varnished and primed surfaces
- + Good adhesion to wooden materials, mineral substrates and thermoplastics (except PE, PP, PTFE)
- + Resistant to humidity, weathering and temperatures from -40°C up to +90°C (up to +120°C for short intervals)

Appropriate accessories:

518095 Cartridge tips

Order ID		517075.0100
Cartridge	ml	310
Type		6200
Colour		White
Skin Over Time	min	10
Tensile strength	N/mm²	3
Operating temperature	°C	-40...+90
Shore hardness		42
H phrases	EUH208, EUH210	





517085 Single-component adhesive and sealant ERGO

Type 6205

Fast-curing, **black, elastic, single-component adhesive and sealant** for elastic bonding and sealing of seams and joints in bodywork, railcar, shipbuilding and container construction. Also suitable for applications in metal working, equipment manufacturing, mechanical engineering and in air conditioners and ventilation technologies. The product generally adheres to clean, dry and grease-free surfaces without primer. Adhesion and compatibility with varnishes and plastics must be checked in advance. Not suitable for glass bonding where the adhesive surface is permanently exposed to UV light. If used on PMMA, stress cracks may occur.

Properties & benefits

- + Good adhesion to glass, many metals (zinc, aluminium, steel), varnished and primed surfaces
- + Good adhesion to wooden materials, mineral substrates and thermoplastics (except PE, PP, PTFE)
- + Resistant to humidity, weathering and temperatures from -40°C up to +90°C (up to +120°C for short intervals)

Appropriate accessories:

518095 Cartridge tips

Order ID	517085.0100	
Cartridge	ml	310
Type		6205
Colour		Black
Skin Over Time	min	25
Tensile strength	N/mm²	3
Operating temperature	°C	-40...+90
Shore hardness		42
H phrases		
EUH208, EUH210		



517095 Single-component adhesive and sealant ERGO

Type 6300

Fast-curing, elastic, single-component adhesive and sealant **for elastic bonding and sealing of seams and joints in bodywork, railcar, shipbuilding and container construction**. Also suitable for applications in metal working, equipment manufacturing, mechanical engineering and in air conditioners and ventilation technologies. The product generally adheres to clean, dry and grease-free surfaces without primer. Adhesion and compatibility with varnishes and plastics must be checked in advance. Not suitable for glass bonding where the adhesive surface is permanently exposed to UV light.

Properties & benefits

- + Good adhesion to glass, many metals (zinc, aluminium, steel), varnished and primed surfaces
- + Good adhesion to wooden materials, mineral substrates and thermoplastics (except PE, PP, PTFE)
- + Resistant to humidity, weathering and temperatures from -40°C up to +90°C (up to +200°C for short intervals)

Appropriate accessories:

518095 Cartridge tips

Order ID	517095.0100	
Cartridge	ml	310
Type		6300
Colour		White
Skin Over Time	min	10
Tensile strength	N/mm²	3.2
Operating temperature	°C	-40...+90
Shore hardness		55
H phrases		
EUH210		



517105 Single-component adhesive and sealant ERGO

Type 6521

Elastic, transparent single-component adhesive and sealant. The product **does not contain solvents, isocyanates or silicone**. Universally suitable for bodywork, railcar, shipbuilding and container construction and for applications in metal working, equipment manufacturing, mechanical engineering and in air conditioners and ventilation technologies. The product generally adheres to clean, dry and grease-free surfaces without primer. Adhesion and compatibility with varnishes and plastics must be checked in advance. Not suitable for glass bonding where the adhesive surface is permanently exposed to UV light. If used on PMMA, stress cracks may occur.

Properties & benefits

- + Good adhesion to glass, wide range of metals, varnished and primed surfaces
- + Good adhesion to wooden materials, mineral substrates and thermoplastics (except PE, PP, PTFE, PS, PC and some ABS grades)
- + Resistant against humidity, weathering and temperatures from -40°C up to +90°C (up to +120°C for short intervals)

Appropriate accessories:

518095 Cartridge tips

Order ID	517105.0100	
Cartridge	ml	310
Type		6521
Colour		Transparent
Skin Over Time	min	10
Tensile strength	N/mm²	2
Operating temperature	°C	-40...+90
Shore hardness		35
H phrases		
EUH208, EUH210		





517245 Two-component superglue ERGO

Type 5380

Flexible, **elastic and low-odour** instant adhesive with exceptional adhesion to a wide range of materials. The product has a processing time of approx. 6 minutes in the static mixing tube and cures within 10 minutes to a polymer with more than 200% elongation at break. It shows excellent gap-filling or volume-filling properties and good adhesion to most plastics, woods, metals (including aluminium) and to rough and uneven surfaces. The thixotropic, gel consistency allows the product to be used for overhead or vertical applications.

Order ID	517245.0100	
Cartridge	ml	10
Type		5380
Viscosity	mPa·s	180000
Setting time at 25°C	s	20...90
Final strength	h	24
Shear strength	N/mm²	7
Operating temperature	°C	-55...+80
Colour		Clear
H phrases	EUH202, EUH210	



517320 Two-component structural adhesive ERGO

Type 1307

This low-odour, two-component product is suitable for bonding **metals such as aluminium, steel, brass and plastic**. The product is a two-component product and produces a dry, high-strength and impact-resistant adhesive film after mixing. The best mixing ratio is 1:1 (volume), which can be automatically achieved by using the convenient double chamber cartridge.

Features & benefits

- + Good gap-filling properties up to 0.10 mm
- + High tensile shear strength, high resistance to impact and peeling
- + Passes test according to UL-94 HB at a layer thickness of 3 mm

Appropriate accessories:

- 517430 Dispensing gun ERGO
- 517435 Static mixer ERGO

Order ID	517320.0100	
Cartridge	ml	50
Type		1307
Mischverhältnis		1 : 1
Viscosity	mPa·s	5000
Preparation time	min	2...5
Initial curing time at 22 °C	min	10
Final strength	h	12
Joint max.	mm	0.1
Shear strength	N/mm²	20
Operating temperature	°C	-40...+130
Shore hardness		70
Colour		White/green
Symbols of danger	GHS5, GHS7, GHS8, GHS9	
H phrases	H315, H317, H318, H361, H411	
P phrases	P261, P280, P305+P351+P338, P308+P313, P310, P333+P313	



517325 Two-component structural adhesive ERGO

Type 1320

This low-odour ergo® product is suitable for bonding **metals such as aluminium, steel, copper and its alloys, ferritic materials and a variety of plastics**. The two-component adhesive hardens after mixing to a dry, high-strength and impact-resistant polymer film. The best mixing ratio of 1:1 (volume) is achieved by using the standard double chamber cartridges.

Features & benefits

- + Good gap-filling properties up to 0.20 mm
- + High tensile shear strength, withstands impact and peeling
- + Flexible and fast hardening

Appropriate accessories:

- 517430 Dispensing gun ERGO
- 517435 Static mixer ERGO



Minimum quantity: 12 units

Order ID	517325.0100	
Cartridge	ml	50
Type		1320
Mischverhältnis		1 : 1
Viscosity	mPa·s	5000
Preparation time	min	2...3
Initial curing time at 22 °C	min	5...6
Final strength	h	12
Joint max.	mm	0.2
Shear strength	N/mm²	20
Operating temperature	°C	-40...+130
Shore hardness		65
Colour		Beige/black
Symbols of danger	GHS5, GHS7, GHS8, GHS9	
H phrases	H315, H317, H318, H361, H411	
P phrases	P261, P280, P305+P351+P338, P308+P313, P310, P333+P313	

517365 Two-component structural adhesive ERGO

Type 1665

Non-sagging, two-component methacrylate adhesive **for structural bonding of thermoplastic, metals and composite assemblies**. Combined at a 10:1 mixing ratio (V:V), the product is workable for 3 to 6 minutes. At 23°C, 50% of the final strength will be achieved after 15 to 18 minutes. ergo.® 1665 is mainly used as a universal adhesive for industrial applications where composite materials are involved. Normally no surface preparation is required. Examples of where ergo.® 1665 is used: in the production of household appliances (white goods), advertising signs, traffic guidance systems, electronic and electrical engineering, interiors, windows and doors, as well as in vehicle, bus, lorry and rail vehicle construction, as well as boat and shipbuilding. Recommended for: ABS, PVC, PS, FRPs, PMMA, polyester, polyurethanes, composite materials, steel, aluminium.

Properties & benefits

- + The fact that the colour changes during the hardening process allows for a visual check of how the process is progressing
- + Resistant to outdoor and humid climates, excellent resistance to dynamic stresses
- + Bridges gaps up to 10 mm

Appropriate accessories:

- 517430 Dispensing gun ERGO



Order ID	517365.0100	
Cartridge	ml	50
Type		1665
Mischverhältnis		10 : 1
Viscosity	mPa·s	100000
Preparation time	min	3...6
Initial curing time at 22 °C	min	8...13
Final strength	h	24
Joint max.	mm	10
Shear strength	N/mm²	19
Operating temperature	°C	-55...+120
Colour		White/blue
Symbols of danger	GHS2, GHS5, GHS7, GHS9	
H phrases	EUH205, H228, H242, H315, H317, H318, H335, H410	
P phrases	P210, P220, P241, P261, P280, P301+P310, P305+P351+P338, P310, P410, P411+P235	

517370 Two-component structural adhesive ERGO

Type 1675

Non-sagging, two-component methacrylate adhesive **for structural bonding of thermoplastic, metals and composite assemblies**. Combined at a ratio of 10:1 (v:v), the MA adhesive offers a balanced profile of properties with a high level of rigidity combined with a high level of toughness. It has been developed as a universal adhesive for industrial applications where composite materials are used. ergo.® 1675 meets the requirements of DIN EN 45545-2 Table 5, R1, R7 and R17 for HL1-3.

Features & benefits

- + Adheres well to a wide range of materials
- + The fact that the colour changes during the hardening process allows for a visual check of how the process is progressing
- + Rapid build-up of force and excellent resistance to dynamic stresses
- + 100% reactive substance, low odour, high flash point

Appropriate accessories:

517430 Dispensing gun ERGO

Order ID	517370.0100	
Cartridge	ml	50
Type		1675
Mischverhältnis		10 : 1
Viscosity	mPa·s	100000
Preparation time	min	2...3
Initial curing time at 22 °C	min	8...13
Final strength	h	12
Joint max.	mm	10
Shear strength	N/mm²	18
Operating temperature	°C	-55...+120
Colour		White/blue
Symbols of danger	GHS2, GHS5, GHS7, GHS8, GHS9	
H phrases	H315, H317, H318, H335, H361, H411	
P phrases	P261, P273, P280, P304+P340, P305+P351+P338, P310	



517375 Two-component structural adhesive ERGO

Type 1810

Ideal for bonding **metals such as aluminium, steel and brass as well as ferrites or ceramics**. The product is a two-component product and produces a high-strength, impact-resistant and dry adhesive film after mixing. The best mixing ratio is 1:1 (volume), which can be automatically achieved by using the convenient double chamber cartridge.

Features & benefits

- + Fast curing adhesive system with fast fusing strength and reliable curing
- + High resistance to impact and peeling, high tensile shear strength
- + Hardens to a dry film even outside the joint gap

Appropriate accessories:

517430 Dispensing gun ERGO

517435 Static mixer ERGO

Order ID	517375.0100	
Cartridge	ml	50
Type		1810
Mischverhältnis		1 : 1
Viscosity	mPa·s	5000
Preparation time	min	3...5
Initial curing time at 22 °C	min	10
Final strength	h	12
Joint max.	mm	0.5
Shear strength	N/mm²	25
Operating temperature	°C	-40...+150
Colour		Red/green
Symbols of danger	GHS5, GHS7, GHS8	
H phrases	H315, H317, H318, H334, h335, H412	
P phrases	P261, P280, P304+P340, P305+P351+P338, P310, P333+P313	



517390 Two-component structural adhesive ERGO

Type 1915

Ideal for bonding **metals such as aluminium, steel, brass and plastics such as ABS, hard PVC, PMMA, PC, FRP** etc. The product is a two-component product and produces a dry, high-strength and impact-resistant adhesive film after mixing. The best mixing ratio is 1:1 (volume), which can be automatically achieved by using the convenient double chamber cartridge.

Features & benefits

- + Fast curing adhesive system
- + High resistance to impact, high tensile shear strength
- + Good gap-filling properties up to 0.15 mm

Appropriate accessories:

- 517430 Dispensing gun ERGO
- 517435 Static mixer ERGO

Order ID	517390.0100	
Cartridge	ml	50
Type		1915
Mischverhältnis		1 : 1
Viscosity	mPa·s	15000
Preparation time	min	2...3
Initial curing time at 22 °C	min	10
Final strength	h	12
Joint max.	mm	0.15
Shear strength	N/mm²	20
Operating temperature	°C	-50...+150
Colour		White/green
Symbols of danger	GHS2, GHS5, GHS7	
H phrases	H226, H315, H317, H318, H335, H412	
P phrases	P210, P261, P280, P305+P351+P338, P333+P313, P501	



517405 Two-component structural adhesive ERGO

Type 1925

Low-odour and **slow-curing** ergo.® product. Reliably bonds **metals such as aluminium, steel, copper and copper-bearing alloys, ferrites and many plastics as well as corresponding material combinations**. The two-component product hardens after mixing to a tough and impact-resistant polymer film. The best mixture ratio (1:1, volume or mass) is achieved by using standard double chamber cartridges with static mixing tubes. Due to the high tolerance to mixing errors, the adhesive can also be applied bead by bead and mixed by hand or when joining the parts to be glued.

Features & benefits

- + Long fixture time allows adjustment work to be carried out even on large surfaces
- + Excellent adhesion with high tensile shear strength and good resistance to impact and peeling loads
- + Relatively low shrinkage, very low odour, solvent-free
- + Resistant to stove enamel finish

Appropriate accessories:

- 517430 Dispensing gun ERGO
- 517435 Static mixer ERGO

Order ID	517405.0100	
Cartridge	ml	50
Type		1925
Mischverhältnis		1 : 1
Viscosity	mPa·s	20000
Preparation time	min	20
Initial curing time at 22 °C	min	25
Final strength	h	4
Joint max.	mm	0.1
Shear strength	N/mm²	19
Operating temperature	°C	-40...+110
Shore hardness		60
Colour		Yellowish/blue green
Symbols of danger	GHS5, GHS7, GHS8, GHS9	
H phrases	H315, H317, H318, H332, H361, H411	
P phrases	P261, P273, P280, P305+P351+P338, P310, P501	



517430 Dispensing gun ERGO

Mechanical, for precise product application with optimum consumption. For two-component products in 50-ml double cartridges, mixed in ratios of 1:1 and 2:1.

Usable with:

- 517320 Two-component structural adhesive ERGO Type 1307
- 517325 Two-component structural adhesive ERGO Type 1320
- 517365 Two-component structural adhesive ERGO Type 1665
- 517370 Two-component structural adhesive ERGO Type 1675
- 517375 Two-component structural adhesive ERGO Type 1810
- 517390 Two-component structural adhesive ERGO Type 1915
- 517405 Two-component structural adhesive ERGO Type 1925
- 517420 Two-component adhesive ERGO 7410
- 517425 Two-component adhesive ERGO 7420
- 517535 Two-component structural adhesive ERGO Type 7430
- 517540 Two-component structural adhesive ERGO Type 7490

Order ID	Type	Mischverhältnis	Designation
517430.0100	4472101	1:1, 2:1	Suitable for ERGO two-component adhesives in 50-ml cartridges.
517430.0200	4472105	10:1	Suitable for ERGO two-component adhesives in 50 ml cartridges.



517435 Static mixer ERGO

For double cartridges ERGO, precise mixing of two-component adhesives, pack of 10



Usable with:

- 517320 Two-component structural adhesive ERGO Type 1307
- 517325 Two-component structural adhesive ERGO Type 1320
- 517375 Two-component structural adhesive ERGO Type 1810
- 517390 Two-component structural adhesive ERGO Type 1915
- 517405 Two-component structural adhesive ERGO Type 1925
- 517420 Two-component adhesive ERGO 7410
- 517425 Two-component adhesive ERGO 7420
- 517535 Two-component structural adhesive ERGO Type 7430
- 517540 Two-component structural adhesive ERGO Type 7490

Order ID	Type	Mischverhältnis	Designation
517435.0100	4472046	1:1, 2:1	Suitable for 50 ml ERGO double cartridges, the mixing nozzle has 20 mixing elements.
517435.0200	4472007	1:1, 2:1	Suitable for 50 ml ERGO double cartridges – Helix B-Sys MBH 05-20T
517435.0300	4472055	1:1, 2:1	Suitable for 50 ml ERGO double cartridges – Helix+Spit B-Sys MBH 05-12D
517435.0400	4472074	10:1	Suitable for 50 ml ERGO double cartridges – Quadro B-Sys MBXQ 05-16L

517440 Polyethylene dispensing tips ERGO

Luer slip, suitable for ergo.® Cap and cartridge dispensing device, sets of 50.



Order ID	Ø mm	Colour
517440.0100	0.5	Transparent

517445 Two-component instant and repair adhesive ERGO

Type 5370

**Two-component instant adhesive, repair adhesive and filler** with excellent adhesion to a wide range of different materials and surfaces. The product hardens within 3 to 4 minutes and produces a tough and hard polymer within approximately 8 minutes. The thixotropic, gel consistency allows the product to be used for overhead or vertical applications.

Features & benefits

- + Immediate adhesion after joining the components
- + Even completely fills large gaps, with minimum volume shrinkage
- + Excellent hardening on irregular and porous surfaces
- + Excellent adhesion to most plastics, woods and metals incl. aluminium



Order ID	517445.0100
Cartridge	10 ml
Type	5370
Viscosity	210000 mPa·s
Setting time at 25°C	10 s
Final strength	24 h
Shear strength	16 N/mm²
Operating temperature	-55...+80 °C
Shore hardness	56
Colour	Clear
Symbols of danger	GHS7
H phrases	H220, H315, H319, H335
P phrases	P261, P280, P304+P340, P305+P351+P338, P312, P332+P313

517505 Spray adhesive CRC Fast Stick

Spray adhesive **without chlorinated solvents**. The special contact adhesive has a high instant adhesive strength and is therefore quickly hard-wearing. **For bonding a variety of materials such as foams, fabrics, cardboard, paper, wood, cork, carpeting, etc.** or as contact adhesive for upholstery and interior decorations and for installing fibreglass reinforced polyester in the wind power industry. Short drying time of approx. 30 seconds. This enables the glued materials to be processed quickly.



Order ID	517505.0100
Contents	500 ml
Packs	Spray can
Symbols of danger	GHS2, GHS7
H phrases	H222, H229, H315, H319, H336, H412
P phrases	P102, P210, P211, P251, P261, P271, P410+P412, P501

517535 Two-component structural adhesive ERGO

Type 7430

High-strength, **universal construction adhesive** with good adhesion to metals. It is also suitable for other materials (glass, ceramic, plastic). Meets the requirements of DIN EN 45545-2, Table 5, R1, R7 and R17 for HL1-3.

Appropriate accessories:

- 517430 Dispensing gun ERGO
- 517435 Static mixer ERGO

Minimum quantity: 12 units

Order ID	517535.0100	
Cartridge	ml	50
Type		7430
Mischverhältnis		1 : 1
Preparation time	min	40...50
Initial curing time at 22 °C	min	240
Final strength	h	96
Shear strength	N/mm²	23
Operating temperature	°C	-60...+100
Colour		Grey
Symbols of danger: GHS5, GHS7, GHS9		
H phrases	EUH205, H314, H315, H317, H319, H411	
P phrases	P260, P261, P280, P302+P352, P303+P361+P353, P304+P340, P305+P351+P338, P310, P333+P313, P337+P313	



517540 Two-component structural adhesive ERGO

Type 7490

Black , **impact-resistant epoxy adhesive**. The adhesive is ideal for **bonding composite materials** and metals. The product provides rapid build-up of strength even after the pot life has expired.

Properties & benefits

- + High impact strength and excellent adhesion to composites and metals
- + High strength, even at high temperatures
- + Solvent-free, good resistance to chemicals

Appropriate accessories:

- 517430 Dispensing gun ERGO
- 517435 Static mixer ERGO

Minimum quantity: 12 units

Order ID	517540.0100	
Cartridge	ml	50
Type		7490
Mischverhältnis		2 : 1
Preparation time	min	120
Initial curing time at 22 °C	min	510
Final strength	h	120
Shear strength	N/mm²	33
Operating temperature	°C	-40...+180
Colour		Black
Symbols of danger: GHS5, GHS7, GHS9		
H phrases	EUH205, H314, H315, H317, H319, H411	
P phrases	P260, P261, P280, P302+P352, P303+P361+P353, P304+P340, P305+P351+P338, P310, P333+P313, P337+P313	



517575 Superglue ERGO

Type 5901

Low viscous, almost odourless, low-volatility cyanoacrylate adhesive **to achieve precision dosage**. Recommended in situations where the adhesive must not leave any visible traces. No hazard pictograms pursuant to (EC) No. 1272/2008 in section 2.2

Order ID	517575.0100	
Bottle	ml	20
Type		5901
Colour		Clear
Operating temperature	°C	-30...+100
Viscosity	mPa·s	6
Final strength	h	24
Setting time at 25°C	s	15...100
Shear strength	N/mm²	12
H phrases		
EUH202		



517585 Superglue ERGO

Type 5923

Medium to high viscosity, low-odour, low-volatility cyanoacrylate adhesive. **Suitable for bonding jewelry in** settings and recommended in situations where the adhesive must not leave **any visible traces**. No hazard pictograms pursuant to (EC) No. 1272/2008 in section 2.2



Minimum quantity: 12 units

Order ID	517585.0100	
Bottle	ml	20
Type		5923
Colour		Clear
Operating temperature	°C	-30...+100
Viscosity	mPa·s	1000
Final strength	h	24
Setting time at 25°C	s	28...100
Shear strength	N/mm²	12
H phrases	EUH202	

517930 Single-component RTV silicone ERGO

Type 3110

Neutral cure single-component RTV silicone, which is ideal for many industrial applications. ergo.® 3110 Super RTV silicone is **very low-odour** and is **not corrosive** because the curing by-products are chemically neutral. The product is characterised by resistance to high temperatures, mechanical strength, resistance to vibration as well as excellent resistance to weathering and chemicals. Achieves optimum seals, protection and adhesion to a wide variety of materials. It is typically used in situations that require bonds or seals to surfaces in heating or cooling devices or where components have to be protected against external influences (vibration, impact, moisture, chemicals). Ideal for bonding and sealing parts in household appliances, seals in electronic components, seals in automotive applications (such as intake systems, oil pumps, oil pans, camshaft bearing covers, gearbox covers, front covers), door seals, joint or transition seals.



Appropriate accessories:

518095 Cartridge tips

Order ID	517930.0100	
Cartridge	ml	310
Type		3110
Colour		Black
Skin Over Time	min	7
Tensile strength	N/mm²	2
Operating temperature	°C	-60...+260
Shore hardness		30
H phrases	EUH210	

517935 Single-component RTV silicone ERGO

Type 3140

Neutral cure single-component RTV silicone, which is ideal for many industrial applications. ergo.® 3110 Super RTV silicone is **very low-odour** and is **not corrosive** because the curing by-products are chemically neutral. The product is characterised by resistance to high temperatures, mechanical strength, resistance to vibration as well as excellent resistance to weathering and chemicals. Achieves optimum seals, protection and adhesion to a wide variety of materials. It is typically used in situations that require bonds or seals to surfaces in heating or cooling devices or in applications where, for **aesthetic purposes, invisible bonds and seals are required**. Ideal for bonding and sealing parts in household appliances, seals in electronic components, seals in automotive applications (such as intake systems, oil pumps, oil pans, camshaft bearing covers, gearbox covers, front covers), door seals, joint or transition seals.



Order ID	517935.0100	
Cartridge	ml	200
Type		3140
Colour		Clear
Skin Over Time	min	7
Tensile strength	N/mm²	1
Operating temperature	°C	-60...+260
Shore hardness		15
Symbols of danger	GHS2	
H phrases	H222, H223, H224, H225, H226, H227, H228, H229	
P phrases	P210, P251, P410+P412	

523450 Cleaning pen KOC SPOTCLEAN

Contains **ultra-pure isopropyl alcohol** with excellent dirt-dissolving properties for removing oil, grease, soot or nicotine from surfaces, enabling **pinpoint, easy cleaning of laser units, head drums, print heads, sensors, lenses and precision mechanics components**. The ideal addition to any servicing kit. The alcohol evaporates quickly without leaving any residue and is compatible with a wide variety of materials. The fibre tip absorbs the dirt quickly and allows for pinpoint cleaning of small surfaces. The built-in reservoir closes automatically after each application, so that it does not dry out.



Order ID	Contents	Packs
	ml	
523450.0100	10	Pen
Symbols of danger	GHS2, GHS7	
H phrases	H225, H319, H336	
P phrases	P102, P210, P501	



523475 Protective lacquer CRC Peel Off

Peel-off protective lacquer. - **Red protective mask, which can be easily removed once dry.** The homogeneous, flexible coating temporarily protects surfaces from moisture and weather conditions. Ideal for use as a protective cover when painting.

Order ID	523475.0100		
Contents	ml	500	
Packs		Spray can	
Symbols of danger	GHS2, GHS7		
H phrases	H222, H229, H319, H336		
P phrases	P102, P210, P211, P251, P261, P271, P410+P412, P501		



523582 Surface cleaner KOC SURFACE 95

Removes dirt residues caused by grease, nicotine, ink, etc., from all plastic and metal surfaces. Perfectly suited to **office, IT and telecommunications equipment**. It is suitable for cleaning PC housings, keyboards, telephone housings, frames, furniture, etc. **Additives containing silicone oil smooth out small scratches and signs of use and restore the appearance.** A special anti-static additive means it takes longer for new dust to accumulate.

Order ID	523582.0100		
Contents	ml	200	
Packs		Spray can	
Symbols of danger	GHS2, GHS7, GHS9		
H phrases	H222, H229, H315, H319, H336, H411		
P phrases	P102, P210, P211, P251, P261, P271, P410+P412, P501		



523815 Upholstery cleaner CRC Textile Clean Pro

Powerful, deep-acting upholstery cleaner. Foam cleaner **for removing dirt and stains from fabric and leather covers, upholstery, carpets, roof linings and door trims.** Removes unpleasant odours and leaves a pleasant, fresh scent. Removes even stubborn stains and is compatible with all surfaces. Can be used universally cable in cars, buses, commercial vehicles, etc.

Order ID	523815.0100		
Contents	ml	500	
Packs		Spray can	
Symbols of danger	GHS7		
H phrases	H229, H319		
P phrases	P102, P210, P251, P280, P410+P412		



532057 Ear defenders NERIOX

Estandar, 28 dB

**Easy-to-adjust ear defenders for a snug fit to ensure optimal hearing protection.** The padded head-band and soft ear cushions enhance comfort, **even when using for extended periods.**

These ear defenders are suitable for many areas of application, e.g. in civil engineering and road construction or when working with a pneumatic hammer.  
Application: Continuous noise exposure of 85 to 115 dB  
CE EN 352-1:2002  
CE category II

Order ID	Type	SNR value dB(A)	Weight g
532057.0100	Estandar	28	205

NERIOX



532058 Ear defenders NERIOX

Medio, 30 dB

**Easy-to-adjust ear defenders for a snug fit to ensure optimal hearing protection.** The padded head-band and soft ear cushions enhance comfort, **even when using for extended periods.**

These ear defenders are suitable for many applications, e.g. for working on the circular saw or with a hammer drill.  
Application: Continuous noise exposure of 85 to 121 dB  
CE EN 352-1:2002  
CE category II

Order ID	Type	SNR value dB(A)	Weight g
532058.0100	Medio	30	245

NERIOX





532059 Ear defenders NERIOX

Alto, 36 dB

**Easy-to-adjust ear defenders** for a **snug fit to ensure optimal hearing protection**. The padded head-band and soft ear cushions enhance comfort, **even when using for extended periods**.

These ear defenders are suitable for use in areas with high noise exposure, e.g. on railways or at the airport.  
Application: Continuous noise exposure of 85 to 121 dB  
CE EN 352-1:2002  
CE Category II

Order ID	Type	SNR value dB(A)	Weight g
532059.0100	Alto	36	315

NERIOX



541805 Shelf FUTURO

RAL 7035	RAL 5015
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For FUTURO materials cabinets, includes 4 shelf supports.

Order ID	Dimensions mm	Capacity per shelf kg	Colour
541805.0170	1000 x 400	100	Galvanised
541805.0210	1200 x 500	50	Light grey RAL 7035
541805.0250	1200 x 500	50	Light blue RAL 5015
541805.0310	1200 x 500	50	Light grey RAL 7035
541805.0470	600 x 400	80	Galvanised
541805.0510	994 x 520	100	Light grey RAL 7035
541805.0550	994 x 520	100	Light blue RAL 5015
541805.0180	1000 x 400	65	

FUTURO



543400 Workbench LISTA

RAL 5012	RAL 7035	RAL 6011
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**Workbench top with green Urphen covering** (but with preassembly), with U-iron edge protectors on three sides. Chemical-resistant (DIN 68 861-1A) and scratch-resistant UV coating. The covering is resistant to water spray, grime-resistant, scratch and impact-resistant, and practically invulnerable to oil and grease. With back panel (projecting 100 mm) and 2 workbench trestles.

Other sizes and versions available upon request.

Order ID	Length mm	Colour	Depth mm	Height mm	Sheet thickness mm	Trestle quantity
543400.0040	1500	RAL 5012	800	900	50	2
543400.0060	1500	RAL 7035	800	900	50	2
543400.0110	1500	RAL 6011	800	900	50	2
543400.0140	2000	RAL 5012	800	900	50	2
543400.0160	2000	RAL 7035	800	900	50	2
543400.0210	2000	RAL 6011	800	900	50	2
543400.0240	2500	RAL 5012	800	900	50	3
543400.0260	2500	RAL 7035	800	900	50	3
543400.0310	2500	RAL 6011	800	900	50	3
543400.0340	3000	RAL 5012	800	900	50	3
543400.0360	3000	RAL 7035	800	900	50	3
543400.0410	3000	RAL 6011	800	900	50	3



551335 Welding protection paste CRC Anti Spatter Paste

Protects welding nozzles. **Prevents welding spatter from burning on to the welding torch nozzle**. Increases the service life of the welding nozzles. Improves arc stability and guarantees gas can flow freely. High-quality hydrocarbon resins and additive-based separating and protective paste. **Silicone free**. Contains no halogenated compounds. 100% active ingredient content without any solvents.

Order ID	Contents ml	Packs
551335.0100	500	Spray can

H phrases	EUH210
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551475 Scrubbing brush BEConnect

To thoroughly clean smooth floors. Beech wood head with BEConnect handle system.

Order ID	Width mm
551475.0100	290



551505 Natural bristle floor broom BEConnect

Particularly good at picking up dust. For fine dirt on smooth floors. Beech wood head with BEConnect handle system.

Order ID	Width mm
551505.0100	500
551505.0200	800



551510 Natural bristle floor broom

Picks up dust. For fine dirt on smooth floors. Head with hole for handle.

Order ID	Width mm
551510.0100	400
551510.0200	500



551515 Natural bristle floor broom

Picks up dust. For fine dirt on smooth floors. Beech wood head with metal handle holder diameter 24 mm.

Order ID	Width mm
551515.0100	800



551525 Arenga/Elaston floor broom

Südhärzer yard brush, universal. For fine and coarse dirt on all floors. Beech wood head with metal handle holder.

Order ID	Width mm	Holders Ø
551525.0100	400	24 mm
551525.0200	400	28 mm
551525.0300	600	24 mm
551525.0400	600	28 mm
551525.0500	800	24 mm
551525.0600	800	28 mm



551540 Natural coconut fibre floor broom

Indoor sweeping brush for fine and coarse dirt on all floors. Beech wood head with metal handle holder diameter 24 mm.

Order ID	Width mm
551540.0100	400
551540.0200	500
551540.0300	800



551545 Wooden device handle BEConnect

Particularly robust. Robust head with practical single-hand locking system to quickly replace the device and to give a secure hold.

Usable with:

- 551475 Scrubbing brush BEConnect
- 551505 Natural bristle floor broom BEConnect

Order ID	Length mm	Ø mm
551545.0100	1550	24



551547 Wooden broom handle

Pinus Taeda wooden handle, no cone. For all handle holders diameter 24 mm.

Order ID	Length mm	Ø mm
551547.0100	1500	24



551548 Elaston floor broom BEConnect

Outdoor floor broom for coarse dirt on all floors. Beech wood head with BEConnect handle system.

Order ID	Width mm
551548.0050	400
551548.0100	600



551549 Elaston floor broom

Outdoor sweeping brush for coarse dirt on all floors. Beech wood head with metal handle holder diameter 24 mm.

Order ID	Width mm
551549.0100	400
551549.0200	600



551665 Rubber sweeping brush

With telescopic handle and levelling blade. Ideal for sweeping up hair, dry and wet dirt indoors.

Order ID	Width mm
551665.0100	340



551672 Bucket

Plastic with metal handle.

Order ID	Effective volume l	Colour
551672.0100	10	Blue
551672.0200	10	Red



551674 Bucket

Especially for window cleaning, with holders for washer or window wiper. Extra robust plastic container with measuring scale. Plastic carrying handle.

Order ID	Effective volume l	Colour
551674.0100	18	Blue



551676 Bucket

With spout. Ergonomic plastic handle.

Order ID	Effective volume l	Colour
551676.0100	12	Silver



560460 LED workstation lamp SILHOUETTE Bauer & Böcker

IP 65

Stylish, robust LED workplace lamp for use in offices and in industry. **Ideal if light colour and brightness should be changeable in difficult surface conditions with different materials** - especially when testing metallic surfaces, components with different reflectance levels or light substrates, the **changeable colour selection** and control of the light intensity are an essential feature. Durable, robust aluminium housing with high performance LED, dust and splash-proof to IP65 up to its main connection, anti-dazzle and flicker-free, uniform, low reflection 120° illumination.

Order ID	560460.0100
Type	SILHOUETTE
Voltage	V230
Protection class	IP 65
LED	W10
Luminous flux	lm960
Light temperature	K3000...6000
Beam angle	120°
Dimensions	mm750 x 210 x 30



570015 Universal grinder DREMEL

Dremel 3000-15, compact, multifunctional tool for all projects that require precision: Carving, engraving, milling, cutting/separating, sanding, grinding, sharpening, polishing and cleaning. Perfect set for all DIY projects with Dremel 3000 and 15 Dremel original accessories, all packed in a practical bag.

Scope of delivery:

570015.0100 1 DREMEL 3000 universal grinder, 15 high-quality Dremel accessories, operating instructions, soft bag

Appropriate accessories:

570020 Accessories DREMEL  
LT000040323 Zubehöre  
LT000040325 Vorsatzgeräte

Order ID	570015.0100	
Type	3000-15	
Power	W	130
Idle speed	min <sup>-1</sup>	10000...33000
Tool holder		EZ Twist
Voltage	V/Hz	230 / 50
Sound pressure level	dB(A)	77.1
Dimensions	mm	190 x 50 x 45
Weight	g	550



597570 Cordless drill/driver set BOSCH

Bosch GSR 18V-60 FlexiClick promotional package with Futuro quick degreaser, foam cleaner, rust remover and cutting oil foam, powerful cordless drill/driver with brushless motor for every task. Full flexibility with FlexiClick system and various attachments that can be locked in 16 positions (360° angle). The unique hammer drill adapter makes the device a full-fledged SDS hammer drill for a wide range of applications. Bosch lithium-ion technology with electronic cell protection protects against overload, overheating and exhaustive discharge. Comfortable soft grip makes for perfect handling and low user fatigue. 2-speed planetary gearbox with precision coupling, kickback control, electronic motor protection, clockwise/anti-clockwise rotation, integral LED light and battery charge level indicator.

Scope of delivery:

597570.0100 Cordless drill/driver GSR 18V-60 FlexiClick, 2 x 4.0 Ah ProCORE Li-Ion batteries , quick charger GAL 18V-40, USB charger BOSCH GAA18V-24, FlexiClick drill chuck GFA 18-M, FlexiClick angle attachment GFA 18-W, FlexiClick eccentric attachment GFA 18-E, FlexiClick SDS hammer attachment GFA 18-H, L-BOXX, 1 can FUTURO quick degreaser 500 ml, 1 can FUTURO multi foam cleaner 500 ml, 1 can FUTURO rust remover 500 ml, 1 can FUTURO drilling and cutting oil foam 400 ml

Order ID	597570.0100	
Type	GSR 18V-60 FC	
Battery voltage	V	18
Battery capacity	Ah	4.0
Drill chucks	mm	1.5...13
Idle speed	min <sup>-1</sup>	0...600 / 0...1900
hard threaded fastener	Nm	60
Soft threaded fastener	Nm	31
for wood	mm	38
for steel	mm	13
Screw Ø max.	mm	10



597585 Cordless drill/driver BOSCH

Bosch GSR 18V-21. Reliable entry-level model from the 18-volt class with keyless 13-mm drill chuck. Perfect for everyday use thanks to all-metal gears and electronic cell protection. Hard torque of 55 Nm provides the necessary power for standard drilling and screwdriving applications, comfortable soft grip guarantees perfect handling and low-fatigue working. Two-speed planetary gearbox, clockwise/anti-clockwise rotation and battery charge level indicator.

Scope of delivery:

597585.0100 Cordless drill/driver GSR 18V-21, 2 x 2.0 Ah lithium-ion batteries GBA 18V, quick charger GAL 18V-40, L-BOXX

Appropriate accessories:

565375 Li-ion batteries GBA BOSCH  
565378 Li-ion batteries ProCORE BOSCH  
565380 Chargers BOSCH  
565644 Multi-charger BOSCH  
566430 Rechargeable battery starter pack 18 V BOSCH clic & go  
597999 36-month full service package BOSCH

Order ID	597585.0100	
Type	GSR 18V-21	
Battery voltage	V	18
Battery capacity	Ah	2.0
Drill chucks	mm	1.5...13
Idle speed	min <sup>-1</sup>	0...480 / 0...1800
hard threaded fastener	Nm	55
Soft threaded fastener	Nm	21
for wood	mm	35
for steel	mm	10
Screw Ø max.	mm	10
Weight without battery	kg	1.2



597600 Cordless drill/driver set FUTURO

Powerful cordless drill driver with a long service life and high efficiency thanks to **brushless motor (BL)** – longer service life, low wear and no change of carbon brushes required. Robust **solid metal quick-clamping drill chuck**, ergonomic, compact machine housing for perfect handling and low-fatigue working. 2-speed precision gearbox with 15 torque settings and 1 drilling setting, integral LED light, clockwise/anti-clockwise rotation, battery charge level indicator.

Scope of delivery:

**597600.0100** Cordless drill/driver FUTURO, 18 V, 2 x 4.0 Ah lithium-ion batteries 18 V, quick charger, belt clip, in a sturdy plastic case **with free PB bit set C6.990 worth CHF 95!**

Appropriate accessories:

565480 Battery pack FUTURO

565485 Charger FUTURO

FUTURO



Order ID	597600.0100	
Battery voltage	V	18
Battery capacity	Ah	4.0
Drill chucks	mm	1...13
Idle speed	min <sup>-1</sup>	0...560 / 0...1900
Torque max.	Nm	60
Sound pressure level	dB(A)	68
Sound power level	dB(A)	79
Dimensions	mm	193 x 67 x 256
Weight	kg	1.27

656450 Cordless vacuum shredder STIHL SHA 56

AK battery system



**A choice of vacuuming and shredding or blowing** - the SHA 56 vacuum shredder from the AK system offers three functions in one unit. The practical combi unit is versatile. Lawns, yards and driveways can be quickly and effectively freed from leaves, green waste or dirt. **No tools are needed to convert from vacuuming to blowing.**The innovative rotating handle with integrated air speed regulator ensures an ergonomic posture in all working modes. A **robust metal shredding star** reliably shreds the suction material. Thanks to the extra-large diameter of the blower wheel opening, the unit is cleaned quickly in case of dirt. Hearing protection is not required for the quiet SHA 56.



Order ID	656450.0100		656450.0200
Type		SHA 56 (SET)	SHA 56 (SOLO)
Nominal voltage	V	36	36
Airspeed	m/s	56	56
Air flow rate	m³/h	560	560
Sound pressure level	dB(A)	81	81
Sound power level	dB(A)	94	94
Vibration level on the right	m/s²	1.1	1.1
AK 10 battery life	min	12	12
AK 20 battery life	min	25	25

656984 Umbrella STIHL with wooden handle

100% polyester

High-quality and robust automatic stick umbrella with a handle made of FSC-certified wood. Just a normal umbrella? Think again! Because apart from the two segments with the STIHL emblem, this umbrella also has two segments in wet print! This means that two more STIHL logos appear when the umbrella gets wet - hopefully it will rain soon.

Diameter: approx. 113 cm, with fibreglass spokes and fibreglass shaft.



Order ID	656984.0100
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656986 Pocket umbrella STIHL with bamboo handle

100% polyester

Pocket umbrella with handle made of bamboo, with reflective STIHL labels, opens and closes automatically. Length closed 30 cm, diameter of the opened umbrella approx. 98 cm.



Order ID	656986.0100
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680056 Building dehumidifier DRYFIX CBD 50

The appliance has a water tank with a volume of 5.5 litres and is suitable for rooms up to 130 m³ in size. It is ideal for dry buildings and for basement or shelters. The drying capacity is 50 litres per day. When the water tank is full, the appliance switches off automatically. The appliance has a timer to determine the run time. The digital display shows the current and set humidity level.

Order ID	680056.0100	
Dehumidification rate	l/24d	50
Voltage	V/Hz	AC220-240V/50Hz
Power	W	650
Noise level	dB(A)	52
Raumgrösse	m²	12...130
Refrigerant		R290
Water container	l	5.5
Operating temperature		5 to 35
Size	mm	430 x 515 x 825
Weight	kg	36



695106 Disinfection lamp UVC

Low pressure mercury vapour discharge lamp with glass bulb.

Suitable for:

695100 Air purifier NERIOX

Order ID	695106.0100
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