





## Price List: Spare Parts K4

### Electrical Parts





Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1597	A-axis cable K3/K4/K4 edition			0.100 lb	84799070		S			-		-	1 PCS	234.00
1596	CNC 300 connector board K3/K4			0.049 lb	84799070		S			-		-	1 PCS	388.00
1368	Controller CNC 300	<ul style="list-style-type: none"> <li>- without wiring</li> <li>- without initializing file</li> <li>- without vacuum sensor</li> </ul>		3.300 lb	85439000	DE	S		X	-		-	1 PCS	4,290.00
1875	Controller K4 edition	for use in machines where the serial number begins with K4ID2		2.050 lb	85439000		S		X	-		-	1 PCS	4,590.00

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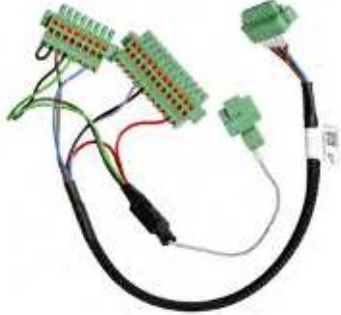
Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
2051	Data cable Renfert SILENT CAM for K1–K4/K4 edition, S1/S2	– plug with 4 pins – length 5 m		0.353 lb	85087000	DE	U			-		-	1 PCS	74.00
1547	End switch	including roller lever and cable		0.035 lb	84799070	CZ	S			1		-	1 PCS	48.00
1573	Internal USB cable			0.100 lb	85444290	DE	S			-		-	1 PCS	24.60
1658	LED strip, blue	light color blue		0.050 lb	84799070		S			-		-	1 PCS	157.00

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1608	LED strip, white	light color white		0.050 lb	84799070	DE	S			-		-	1 PCS	157.00
1559	Measuring amplifier	<ul style="list-style-type: none"> <li>– for tool length detection</li> <li>– for machines with controller CNC 300</li> <li>– including Y connector for 24 V supply</li> </ul>		0.882 lb	84799070		S			-		-	1 PCS	228.00
1935	Measuring key K4 edition	for use in machines whose serial number begins with K4ID2		0.350 lb	84799070		S			-		-	1 PCS	581.00
1562	Output cable CNC connector board K3/K4	<ul style="list-style-type: none"> <li>– connection cable from controller to CNC 300 connector board</li> <li>– including integrated measuring amplifier</li> </ul>		0.095 lb	84799070		S			-		-	1 PCS	120.00

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1585	Power entry module K3/K4	<ul style="list-style-type: none"> <li>– front plate with main filter</li> <li>– completely wired</li> </ul>		0.538 lb	84799070		S			-		-	1 PCS	452.00
1589	Power supply cord B	<ul style="list-style-type: none"> <li>– connector plug up to 120 V</li> <li>– plug type B</li> <li>– length approx. 1.8 m</li> <li>– UL certified</li> </ul>		0.700 lb	85444290		U			1		-	1 PCS	14.00
1595	Proximity switch	including cable		0.050 lb	84799070	HU	S			1		-	1 PCS	100.00
1374	Spindle cable for K2/K4			0.300 lb	84799070		S			-		-	1 PCS	175.00

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2036	Spindle cable K4 edition	for use in machines where the serial number begins with K4ID2		0.300 lb	84799070		S			-		-	1 PCS	192.00
1377	Switching mode power supply K3/K4			2.950 lb	84799070		S			-		-	1 PCS	511.00
1611	USB cable	– USB cable PC to machine – length approx. 1.8 m		0.150 lb	85444290	DE	U			-		-	1 PCS	13.10
1612	USB connecting socket	without mounting material		0.100 lb	84799070	DE	S			-		-	1 PCS	30.00

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1600	X-axis cable K1-K4			0.100 lb	84799070		S			-		-	1 PCS	174.00
1937	X-axis cable K4 edition	for use in machines where the serial number begins with K4ID2		0.100 lb	84799070		S			-		-	1 PCS	223.00
1602	Y-axis cable K1-K4			0.100 lb	84799070		S			-		-	1 PCS	170.00
1938	Y-axis cable K4 edition	for use in machines where the serial number begins with K4ID2		0.100 lb	84799070		S			-		-	1 PCS	219.00

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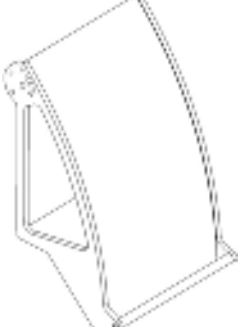


Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1604	Z-axis cable K1-K4			0.100 lb	84799070		S			-		-	1 PCS	179.00
1939	Z-axis cable K4 edition	for use in machines where the serial number begins with K4ID2		0.150 lb	84716060		S			-		-	1 PCS	228.00

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#### Housings and Accessories

Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
30067	Distance bolts front cover	<ul style="list-style-type: none"> <li>- including mounting material</li> <li>- PU 2 pieces</li> </ul>		0.500 lb	84799070	DE	S			-		-	1 PU	39.00
1754	Front cover for K1-K4	<ul style="list-style-type: none"> <li>- without grooves</li> <li>- including handle and mounting material</li> </ul>		1.650 lb	84799070		S			-		-	1 PCS	475.00
2068	Front cover for K1-K4, type vhf	<ul style="list-style-type: none"> <li>- without grooves</li> <li>- including handle, mounting material and labeling "vhf"</li> </ul>		1.650 lb	84799070		S			-		-	1 PCS	475.00
2073	Front cover for K4 edition	<ul style="list-style-type: none"> <li>- without grooves</li> <li>- including handle "edition", mounting material and labeling "vhf"</li> </ul>		1.650 lb	84799070		S			-		-	1 PCS	475.00

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#### Housings and Accessories


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2074	Front cover for K4 edition	<ul style="list-style-type: none"> <li>- without grooves</li> <li>- including handle "edition" and mounting material</li> </ul>		1.650 lb	84799070		S			-		-	1 PCS	475.00
1695	Front cover K1-K4	<ul style="list-style-type: none"> <li>- with grooves</li> <li>- including handle and mounting material</li> </ul>		1.650 lb	84799070		S			-		-	1 PCS	437.00
1568	Gas spring 100 N	<ul style="list-style-type: none"> <li>- for working area covers</li> <li>- including mounting material</li> </ul>		0.100 lb	84799070		S			-		-	1 PCS	65.00
1651	Hinged actuator for door locking switch			0.022 lb	84799070	JP	S			1		-	1 PCS	15.80

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1459	Housing K1-K4	powder-coated metal housing: – including labelling and housing screws – without identification label		15.500 lb	84799070		S			-		-	1 PCS	847.00
1423	Housing screws	– hexagon socket screw – PU 20 pieces		0.100 lb	73181562	DE	S			1		-	1 PU	11.40
1650	Interlock switch			0.450 lb	84799070	DE	S			1		-	1 PCS	421.00

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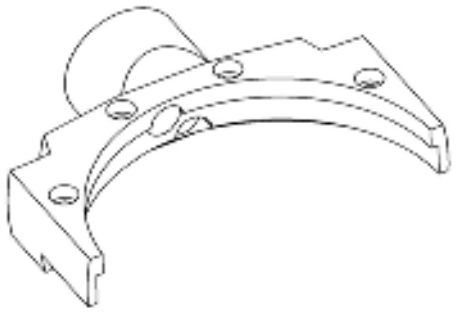


Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1493	Air nozzle for K1-K4	Thread has to be sealed with a sealing strip.		0.013 lb	84799070		S			-		-	1 PCS	38.00
1564	Ball screw drive X-axis	including mounting material		0.500 lb	84799070	DE	S	X		-		-	1 PCS	1,020.00
1565	Ball screw drive Y-axis	including mounting material		0.700 lb	84799070	DE	S	X		-		-	1 PCS	966.00
1563	Ball screw drive Z-axis	including mounting material		0.950 lb	84799070	DE	S	X		-		-	1 PCS	901.00

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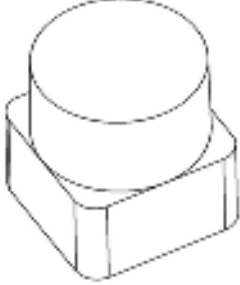


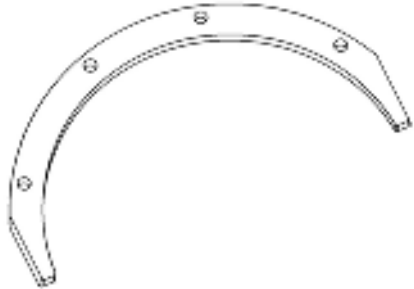
Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1661	Bellows coupling	including screws		0.022 lb	84799070	DE	S			1		-	1 PCS	67.00
1931	Blank holder K4 edition	– for standard blank diameter 98 mm, thickness 10–26 mm <i>for use in machines where the serial number begins with K4ID2</i>		0.368 lb	84799070		S			-		-	1 PCS	505.00
1400	Blank holder version 2 K1-K4	– for standard blank diameter 98 mm, thickness 10–26 mm – complete with rubber inserts, measuring plate, fixing rail and screws – including torch wrench for installation		0.550 lb	84799070		S			-		-	1 PCS	505.00
1569	Fixing insert for tool changer K1-K4	– rubber inserts for tool changer – PU 2 pieces		0.013 lb	84799070		U			-	X	-	1 PU	17.20

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1934	Fixing insert for tool changer K4 edition	– rubber inserts – PU 7 pieces <i>for use in machines where the serial number begins with <b>K4ID2</b></i>		0.011 lb	84799070		U			-	X	-	1 PU	17.20
1560	Fixing rail blank holder K1-K4 version 1	including mounting material		0.200 lb	84799070	DE	U			-		-	1 PCS	62.00
1561	Fixing rail blank holder K1-K4 version 2	including mounting material		0.100 lb	84799070		U			-		-	1 PCS	79.00
1930	Fixing rail blank holder K4 edition	including mounting material <i>for use in machines where the serial number begins with <b>K4ID2</b></i>		0.500 lb	84799070		U			-		-	1 PCS	79.00

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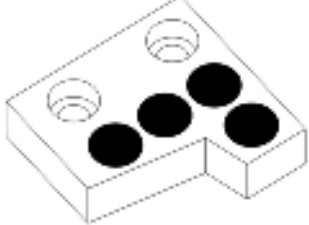


Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1404	Fixing screw blank holder K1-K4 V1	PU 4 pieces		0.500 lb	73181568		U			-		-	1 PU	5.30
1662	Harmonic drive	– for K1 to K4 – including harmonic lubrication grease		1.500 lb	84799070		S	X		-		-	1 PCS	2,700.00
1536	Spindle sealing version 2	including metal plate and 4 screws		0.348 lb	84799070	DE	S			-		-	1 PCS	52.00
1592	Stepping motor			0.850 lb	85011091	CN	S			1		-	1 PCS	206.00

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1933	Tool changer holder fourfold K4 edition	– including rubber inserts <i>for use in machines where the serial number begins with K4ID2</i>		0.030 lb	84799070		U			-		-	1 PCS	64.00
1932	Tool changer holder threefold K4 edition	– including rubber inserts <i>for use in machines where the serial number begins with K4ID2</i>		0.030 lb	84799070		U			-		-	1 PCS	59.00
1367	Tool measuring plate K1-K4 version 2	suitable for blank holder version 1 and version 2 – including mounting material		0.050 lb	84799070	DE	U			-		-	1 PCS	33.00

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### Pneumatical Parts

Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1686	Bulkhead fitting	– for 6 mm pneumatic hose – max. 10 bar		0.050 lb	84799070	DE	S			-		-	1 PCS	9.50
1594	Filter element for service unit	date of manufacture of the machine until 04/2014		0.011 lb	84799070	DE	U			1	X	1	1 PCS	18.80
1825	Filter element for service unit MICRO	date of manufacture of the machine from 04/2014		0.004 lb	84219990	HU	U			5	X	2	1 PCS	9.00
1593	Liquid container for service unit	date of manufacture of the machine until 04/2014		0.050 lb	84799070	DE	U			1		-	1 PCS	46.00




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1922	Plastic hose 4 mm	<ul style="list-style-type: none"> <li>– UL-94-certified</li> <li>– PU 3 m</li> </ul>		1.587 ozm	84799070	CZ	S			-		-	1 PU	15.20
1664	Plastic hose 6 mm	<ul style="list-style-type: none"> <li>– UL-94-certified</li> <li>– 10 bar max.</li> <li>– PU 3 m</li> </ul>		0.015 lb	39173200	DE	U			1		-	1 PU	15.20
1675	Plug connection USA			0.044 lb	84799070	DE	S			-		-	1 PCS	9.90
2041	Pneumatic connector (straight)			0.018 lb	84799070	TW	S			-		-	1 PCS	8.70

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1403	Pneumatic pressure switch			0.250 lb	84799070		S			-		-	1 PCS	91.00
1583	Pneumatic silencer 6 mm			0.011 lb	84799070		U			-		-	1 PCS	14.00
2065	Pressure sensor	<i>for use in machines where the serial number begins with K4ID2</i>		0.024 lb	84799070		S			1		-	1 PCS	180.00
1691	Push-in L-fitting			0.100 lb	84799070		S			-		-	1 PCS	12.30

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1666	Service unit MICRO	with water separator, manometer and pressure regulator		0.500 lb	84811005	DE	U			1		-	1 PCS	159.00
1580	Solenoid valve MHE3	UL certified, cast-on connection wire		0.400 lb	84812090	DE	S			1		-	1 PCS	121.00
1582	Throttle check valve	for hose diameter 6 mm		0.050 lb	84799070		S			-		-	1 PCS	22.30
1607	Vacuum sensor	for Impression CAM 4-K3, CAM 4-K4 – with connection cable		0.050 lb	84799070		S			-		-	1 PCS	401.00

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### Miscellaneous


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1725	Calibration blank 10 mm	<ul style="list-style-type: none"> <li>- material PU</li> <li>- diameter 98 mm</li> <li>- thickness 10 mm</li> </ul>		0.500 lb	39211390	DE	U			1	X	3	1 PCS	7.50
1390	Calibration plate K1-K4			1.050 lb	84799070		U			-		-	1 PCS	239.00
1531	Carbon brush for Zubler V6000	PU 2 pieces		0.062 lb	84799070		S			-		-	1 PU	60.00
1452	Filter bag for Renfert TS	PU 5 pieces		1.400 lb	85087000	DE	S			1	X	1	1 PU	121.00

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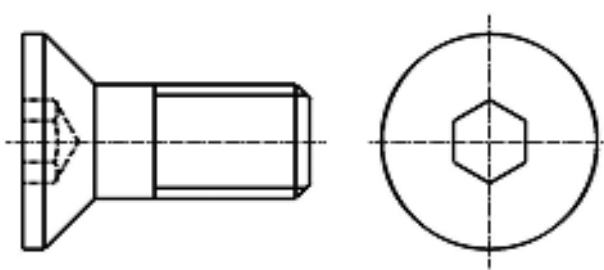


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1450	Filter bag for Zubler V6000	double lined		0.650 lb	85087000		S			-	X	-	1 PCS	97.00
1850	Fin Food Lube	<ul style="list-style-type: none"> <li>- for linear guiding</li> <li>- PU 250 ml</li> <li><i>safety data sheet: <a href="http://download.vhf.de">http://download.vhf.de</a></i></li> </ul>		0.500 lb	27101999	NL	S			1	X	1	1 PCS	64.00
1777	Fine filter for Renfert Silent TS			1.653 lb	82042000	DE	S			1		-	1 PCS	282.00
1365	Fine filter for Zubler V6000			1.642 lb	85087000		S			-		-	1 PCS	113.00

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## Price List: Spare Parts K4

### Miscellaneous



Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1407	Fixing screw blank holder K1-K4 V2	PU 4 pieces		0.050 lb	73181568	DE	U			-		-	1 PU	5.30
1613	Fixing screw tool measuring plate K1-K4	PU 6 pieces		0.013 lb	73181568		U			-		-	1 PU	5.30
1540	Hose connection	Connection adapter for 45 mm suction hose		0.350 lb	84799070	DE	U			2		-	1 PCS	31.00
1756	Sealing tape self-adhesive, black	PU 3 m		0.050 lb	84799070		S			-		-	1 PU	11.40

\* PU = packing unit | C/O = country of origin | SL = service level (U=user, S=service | WL = warranty limitation | SNo. = serial number required | Stock = stock recommendation

\* WPC = wear parts and consumables | POH = parts on hand (recommended minimum quantity for on site service calls)

## Price List: Spare Parts K4

### Miscellaneous




Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1490	Storage box for calibration plate			0.388 lb	84799070		U			-		-	1 PCS	14.30
1865	White Grease	– for ball screw spindles – tube 150 ml safety data sheet: <a href="http://download.vhf.de">http://download.vhf.de</a>		0.500 lb	27101999	NL	U			1	X	-	1 PCS	63.00

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### Spindles and Accessories

Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1727	Collet chuck 3 mm	packed separately		0.015 lb	84661020		U			-		-	1 PCS	205.00
1364	High frequency spindle SF 170P	– high frequency spindle rotational speed 5,000 to 60,000 RPM maximum power output 240 W continuous power 170 W housing diameter 33 mm including service set For operating this spindle a dry and oil-free compressed air supply is required. <i>Version with blocking air including pneumatical                      collet chuck.</i>		3.950 lb	84799070		S		X	-		-	1 PCS	3,210.00
1729	Spindle service set	for collet chuck maintenance		0.150 lb	96039099		U			-		-	1 PCS	52.00





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## Price List: Spare Parts K4

### Tools




Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1512	Dial indicator with stand	<ul style="list-style-type: none"> <li>- with 3D articulated arm and clamp stand</li> <li>- for true running and axis backlash measurements</li> <li>- measuring accuracy <math>\pm 0.01</math> mm</li> </ul>		2.000 lb	84799070	JP	S			-		1	1 PCS	639.00
1731	Drill with 3 mm shank	<ul style="list-style-type: none"> <li><math>\varnothing</math> cutting edge 2.80 mm, <math>\varnothing</math> shank 3.0 mm</li> <li>L cutting edge 10.5 mm, L total 38 mm</li> <li>with stop ring</li> </ul>		0.070 lb	82075090	DE	U			2	X	1	1 PCS	7.40
1652	Hexagon socket screwdriver 2.5 mm			0.077 lb	82054000	DE	U			1		-	1 PCS	11.40
1821	Insert bit 3x50 mm			0.015 lb	84799070		U			-		-	1 PCS	8.00

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## Price List: Spare Parts K4

### Tools

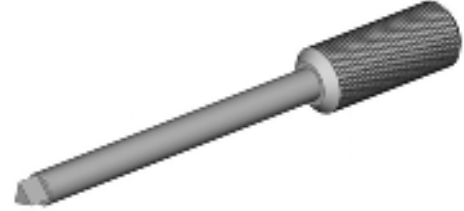

Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1654	Measuring pin	for automatic measuring		0.009 lb	82075090	DE	U			10	X	2	1 PCS	8.20
1824	Service trolley case	<ul style="list-style-type: none"> <li>– robust trolley case for service works</li> <li>– precise measuring equipment and high-quality tools</li> <li>– complete kit for all vhf Impression machines</li> </ul>		33.100 lb	82059090	DE	S			-		1	1 PCS	3,930.00
1779	Torque wrench 1.5 Nm	without insert bit		0.150 lb	82041100	TW	S			-		-	1 PCS	24.60
30339	Torque wrench 3.8 Nm	without insert bit		0.143 lb	84799070	TW	U			-		-	1 PCS	31.00

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## Price List: Spare Parts K4

### Tools

Art. No.	Description	Specifications	Picture	Weight	Customs Tariff No.	C/O*	SL*	WL.*	SNo.*	Stock*	WPC*	POH*	PU*	Sales price in \$
1656	Unlocking tool	for door locking switch		0.100 lb	84799070	DE	U			-		-	1 PCS	34.00
1954	Unlocking tool	– for door locking switch – PU 2 pieces		0.000 lb	39269097	DE	U			1		1	1 PU	8.20

Please note that single articles can be used in several machine models. Our stock recommendation is intended for 1 to 20 machines per service base. We grant the standard discount for spare parts.

Warranty limitation: warranty claims can only be made if the relevant machine is inspected and repaired by vhf. Alternatively, the partner can order the part within the warranty period and exchange it at his/her own expense and liability.

Prices are list prices and do not include any discounts, tax, shipping or other charges that may apply • All purchases are subject to our Terms of Sale which can be found at [www.vhf.com](http://www.vhf.com) • Products, prices and terms are subject to change without notice • All product names, brands and trademarks are property of their respective owners • All prices exclude VAT, customs duties and transportation/packaging fees • All information given may change without further notice.