

Appendix

General notes

Wöhner busbar systems and components are the result of expert development based on many years of experience. They have been exhaustively tested and hold many approvals. The correct selection of busbars and components is the responsibility of the system designer. Planning, construction requirements and the required test certifications are prescribed in the parts of the IEC or EN 61439 standard "Low-voltage switchgear and control-gear assemblies". To avoid hazards to people and materials which can arise when working with electricity, these systems and components should only be used by suitably trained personnel, and relevant regulations must be observed.

In particular, installation, maintenance, modifications and additions must only be carried out by qualified personnel in accordance with the general construction and safety regulations applicable to high-current electrical systems. Modern technological developments and the way in which

the components of the system interact must be taken into account. It is essential that all accessible parts are electrically isolated during installation and maintenance. All connections must be correctly tightened with the specified torque (Md), correct gauges must be used and components that provide protection against accidental contact with live parts must be fitted. After transportation, all connections must be checked and, if necessary, re-tightened.

Products are to be used and operated correctly in the manner intended.

The technical information contained in the product manual and the installation instructions should be observed and retained for future modifications, maintenance or additions to the installation. Wöhner reserves the right to make modifications to its components, as the result of developments and technical advances.

Detailed technical information is available on the internet at: www.woehner.com

Operating conditions

Unless special instructions are given, the information contained in the documentation applies for the recommended mounting position and the ambient conditions of indoor installation (contamination level 3; 2 in exceptional cases) according to IEC 61439-1/2/3.

Plant-specific reduction factors must be considered, depending on the exact conditions of use.

The rated loading factors listed below represent guide values and refer to a maximum +35°C temperature of the air directly surrounding the products.

Number of main circuits	Rated diversity factor	
	to IEC / EN 61439-2	to IEC / EN 61439-2
2 and 3	0.9	0.8
4 and 5	0.8	0.7
6 to 9 inclusive	0.7	0.6
10 and more	0.6	0.5

IEC 61439
Part 2: Power switchgear and controlgear assemblies
Part 3: Installation distributor for operation by lay people

In products intended to hold fuse links, please observe the requirements governing connected cross-sections from the relevant product standards. Comply with the stated temperature specifications of all plastics used. Some of the material properties described here refers to several products. In isolated cases, values may exceed the levels stated. See www.woehner.com for further information.

We recommend vertically mounting the device on a horizontal busbar system. The fixing handle must be placed on top for switchgears mounted vertically. For this mounting position, the rated diversity factors contained in Table 1 or Table 101 apply to components with permitted dissipation in the worst-case scenario and with ambient conditions in conformity with IEC / EN 61439-2/3, section 7.1.1.1.

In case of deviating mounting positions and conditions, all influencing factors are on maximum temperature such as:

- Power output per fuse and the device in operation,
- Simultaneous full and partial load cycles,
- Alignment in the system, devices affecting each other,
- Busbar cross-section, conductor cross-section,
- Ambient temperature, current conditions, require the observation of additional correction factors

Mounting positions are prohibited where gravity and direction of mounting are opposed.

Air and creepage distances must be calculated in compliance with EN 60664-1 (VDE 0110 part 1). For values of 12 mm and greater, these requirements are automatically satisfied up to 690 V AC in compliance with IEC. Additional specifications, such as the minimum distance to earthed parts, must be observed. This is especially relevant for applications in compliance with UL.

Detrimental effects from chemical substances during storage, processing and operation must be prevented.

In order to ease the locking of the busbar components and the insertion of the NH fuse units, the spring clips will be lubricated with special grease during manufacturing.

On other parts, especially on screw threads, it must be ensured that no supplementary change of the friction coefficient takes place.

Conductor connections

Specifications regarding conductor terminals are only valid for copper conductors. The maintenance-free resistance to ageing for selected connections has been verified by testing.

If the standards-compliant connection of aluminium conductors has been confirmed for connection terminals, this is stated expressly. Before connecting aluminium conductors, any oxide deposits must be removed from the conductor surfaces and further oxidation prevented. After removal of the oxide deposit, chips and abrasives cannot be permitted to damage the contacts. Multiwire conductors should be shortened and exposed to the bare metallic conductor section. The contact points are to be sealed (e.g. using acid-free contact grease) so that they are airtight to protect them against further oxidation.

The terminal points need to be checked, taking operating conditions into account. For normal ambient conditions and loads, we recommend inspections at 6-month intervals. In case of unfavourable operating conditions or frequent temperature fluctuations at the terminal points, a shorter interval may be necessary. It is possible to place temperature measuring strips and a record of the maximum values in the immediate vicinity of the terminal points, which may be useful for an objective assessment during regular tests.

All contact positions are suitable for connecting one conductor, unless expressly otherwise indicated. Double-function terminals are characterised by 2 contact positions.

In principle, the tightening torques specified on the device, the installation instructions or on the Internet are to be applied. Where no limits are specified, the tolerance on the tightening torque M_d of screw and clamp connections may be a maximum of +/-20% of the nominal value.

The relationship between conductor cross-sections in mm² and AWG / MCM sizes are subsequently listed:

0.75 mm ²	18 AWG	(0.82 mm ²)
1.5 mm ²	16 AWG	(1.3 mm ²)
2.5 mm ²	14 AWG	(2.1 mm ²)
4 mm ²	12 AWG	(3.3 mm ²)
6 mm ²	10 AWG	(5.3 mm ²)
10 mm ²	8 AWG	(8.4 mm ²)
16 mm ²	6 AWG	(13.3 mm ²)
25 mm ²	4 AWG	(21.2 mm ²)
35 mm ²	2 AWG	(33.6 mm ²)
50 mm ²	0 AWG	(53.5 mm ²)
70 mm ²	2 / 0 AWG	(67.4 mm ²)
95 mm ²	3 / 0 AWG	(85.0 mm ²)
120 mm ²	250 MCM	(127 mm ²)
150 mm ²	300 MCM	(152 mm ²)
185 mm ²	350 MCM	(177 mm ²)
240 mm ²	500 MCM	(253 mm ²)
300 mm ²	600 MCM	(304 mm ²)

Conductor types are designated as follows:

	Abbreviation	Standard name
solid round	re	Class 1 (IEC / EN 60228)
stranded round	rm	Class 2 (IEC / EN 60228)
solid sectored	se	Class 1 (IEC / EN 60228)
stranded sectored	sm	Class 2 (IEC / EN 60228)
flexible	f	Class 5 (IEC / EN 60228)
stranded	str	Class B (UL 486E)

The following abbreviations are also used:

laminated flexible	
copper busbar	lam. Cu
wire-end ferrules	AE

Wire-end ferrules are only permitted for applications in compliance with IEC / EN standards. Wöhner has tested the use of wire end ferrules. This does not result in a general approval for different ferrules and crimping methods. The maximum conductor cross-sections may need to be reduced. Conductor connections are to be set up with consideration given to the requirements as per IEC / EN 60999-1 or -2. Conductor connection set-up is to be such that no load tension and – with respect to the application – no alternating bending load developed.

Notes for the dimensioning of AC string collectors

When AC string collectors are used, a few strings supply one inverter. The power of several string inverters is pooled on the alternating current side, e.g. via a 60 mm busbar system.

When dimensioning components for a busbar system of this kind, the direction of the energy – which is inverted to that of industrial applications – is unimportant. The same types of fuse (gG) are also used. It is the cables and leads going to the inverter that have to be protected from overload and short circuit. However, the rated diversity factor of the switchgear and the simultaneity factor of this application (= 1) do not match.

If, for example, a SECUR® 60Classic, PowerLiner is equipped with 35 A-D02 fuses in a power distribution unit, the switchgear device will be able to carry its nominal current of 35 A continuously on its own. However, this value must be reduced through thermal interaction with neighbouring devices.

The standard takes account of this situation by means of a switchgear assemblies rated diversity factor (RDF). This states the factor of the rated current to which all power circuits of a power distribution unit in a switchgear assembly can be permanently and simultaneously subjected. Here, the values from the table on page 8 / 1 apply, in accordance with IEC 61439-2:2011 and IEC 61439-3:2011.

At any rate, care must be taken to ensure that the rated diversity factor is always based on the fuse that is used, not the rated current of the switch disconnecter or fuse holder. Furthermore, the use of fuse links with silver-plated contacts is recommended. The size of the copper conductors is determined on the basis of the applicable product standard, e.g. IEC/EN 60947-3 for SECUR® 60Classic, PowerLiner.

For the above example, this means that from 10 devices or more, the SECUR® 60Classic, PowerLiner (rated current 63 A) with side-mounted module and 35 A fuse links may be operated at 21 A maximum. Here, the rated current of the fuse is reduced to 60%. If the maximum current of the inverter does not exceed this value, and if fuse protection at 35 A is permitted by the wiring and the inverter datasheet, the dimensions are correct.

If higher power ratings with correspondingly higher currents need to be pooled, there are two choices for adaptation:

With the right conductor dimensions, the nominal current of the fuse links can be increased. However, this must fit in with the requirements for inverter fuse protection. In this example the use of a 50 A fuse permits a maximum current of 30 A.

Alternatively, the thermal influence of the switchgear is reduced by modifying the layout. With the SECUR® 60Classic, PowerLiner fuse switch disconnecter, in a test with 6 power circuits, a distance equal to the width of two devices (54 mm) between the switchgear devices increased the rated diversity factor from 0.7 to 0.9. This is only possible because the distance considerably reduces the thermal influence of the fuse links. Based on the example with the 35 A fuse, the new arrangement would enable an inverter current of 31 A.

The rated diversity factors must always be selected in conformity with the application of the switch fuse unit, in accordance with IEC 61439-2 or IEC 61439-3. See table on page 8 / 1. Non-compliance with these reduction factors leads to unacceptably high temperatures in switchgear assemblies. This may in turn result in damaged or incorrectly triggered switchgear devices. Both fuse links and cable insulation age when exposed to high temperatures. In all cases, failures in photovoltaic systems can be expected.

For the correct design and layout of conductors, accumulation – as well as the ambient temperature – need to be taken into consideration. Here too, mutual thermal influence leads to raised temperatures and so to lower permitted currents. It is important to consider size and the corresponding factors. If the conductors to the inverters in the AC string collector are routed in a cable duct (routing method F), and ambient temperatures of 50°C are anticipated there, when 6 conductors are used the permitted current capacity reduces to less than 50% of the nominal current.

When cables and fuses have the correct dimensions, they also produce less dissipation, and therefore less waste heat. This in turn facilitates cabinet and thermal management selection.

Note on operating NH fuse switch disconnectors and NH in-line fuse switch disconnectors

NH fuses are only intended for use by authorized electricians or trained electrical personnel, see IEC 60269-2.

When switching devices observe the following instructions:

- Operation (release, switching on, switching off and fuse replacement) only permitted for authorized electricians or trained electrical personnel in accordance with VDE 0105-100.
- Quick activation of fuse cover using the relevant operating handle.
- Before switching on, care must be taken that the fuse cover is mounted or guided exactly into the open position.
- If the cover is only partially open, the fuse links may still be energized. Only open and close the cover using the handle.

Using busbars

To ensure that single and multi-pole busbar components are securely mounted and contacts are firmly connected, the busbars in question must comply with the required tolerances shown here.

Tensile strength: min. 300 N/mm²

Permitted tolerances:

Radius R 0.3 ... 0.7

Width: + 0.1 / - 0.5

Thickness: + 0.1 / - 0.1

Centre distance:

+ 0.5 / - 0.5 (60 mm system)

+ 1.0 / - 1.0 (100 mm system, 185 mm system)

Deviation in the contact level: 0.4

Using comb-type busbars

A range of Wöhner fuse holders and switches are suitable for use with comb-type busbars. We recommend that you used the comb-type busbars listed on the corresponding pages in the current Wöhner catalogue (IEC / EN 61439-1 / 2, level of soiling: 2).

Ensure that the required air and creepage distances left in standard installation positions are observed (comb-type busbars are angled towards the operator). Power must be supplied via the connection terminals sold separately by Wöhner. The additional connection terminal is not required for Wöhner products with double-function terminals. Connect terminals using the maximum torque stated on the fuse holder.

Processing and using plastic profiles

The mechanical, thermal and electric properties of the profiles, which are listed in the Wöhner catalogue, are optimised for covering busbars or busbar systems and bottom troughs. Take particular care when mechanically cutting the profiles to avoid the formation of cracks (narrow saw blade, high speed of cutting, low tooth advance and strong saw guiding).

The cutting of profiles with a circular saw and an AKE circular saw blade for plastics is reliable with the following specific values:

D = 300 mm, B = 2.2 mm, Z = 120 W

with 5° negative tooth change (w),

cutting speed of 50 - 65 m/s,

tooth feed 0.05 - 0.1 mm.

The plastic parts must be clamped in order to exclude vibrations.

When processing and using plastic profiles, contact with oil, grease and other chemicals must be avoided.

Dimensions

All lengths are given in millimetres, unless otherwise stated.
Mounting rails of adapters and clip-on fixings generally comply with EN 60715.

CE marking

In association with the 2006/95/EG low voltage directive, Wöhner products are subject to the CE marking commitment.

The CE mark is applied to the individual packing units.
Even some of the products are marked accordingly. In doing so, Wöhner confirms that the products comply with the valid regulations.

Wöhner holds the corresponding conformity declarations.

Additional requirements for compliance with UL



Components that have also been tested for feeder circuits up to 600 V AC in compliance with UL 508 A are labelled in the approval overview.

ROHS, WEEE and REACH

Currently, Wöhner products do not come under the scope of ROHS Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment, or WEEE Directive 2012/19/EU governing waste electrical and electronic equipment.

Irrespective of these directives, measures have been initiated, which ensure that the use of pollutant-free plastics complies with the ROHS Directive.

The metallic surface coatings shall correspond to the substance ban in accordance with the ROHS Directive.

Fuse links may contain function-specific components which do not comply with the ROHS Directive.

According to current knowledge, there are no substances in our products or their packaging with a concentration above 0.1 percent by mass, in accordance with the candidate list (as of 16.06.2014), article 59 (1, 10) of Regulation (EC) no. 1907/2006 ("REACH").

We are in constant contact with our suppliers as regards substances subject to registration and information relevant to REACH is forwarded without delay to our customers.

You will find further information in the download area under Service at www.woehner.com

Overview of the applicability of Wöhner products in terms of operating voltage

(only the conditions according to IEC standards are taken into consideration)

All specifications apply for overvoltage category III in accordance with IEC 60439-1 or IEC 61439-1

The applicability for other overvoltage categories can be derived from the rated surge withstand capacity U_{imp} .

The following clearances must be maintained:

Rated surge withstand capacity U_{imp}	Minimum clearance
4 kV	3.0 mm
6 kV	5.5 mm
8 kV	8.0 mm
12 kV	14 mm

All specifications apply for level of soiling 3 in accordance with IEC 60439-1 or IEC 61439-1 (Wöhner uses insulating parts made from materials in material class IIIa).

The following creepage distances must be maintained:

Rated insulation voltage U_i	Creepage distance
400 V AC / DC	6.3 mm
500 V AC / DC	8.0 mm
690 V AC / DC	10.0 mm
800 V AC / DC	12.5 mm
1000 V AC / DC	16.0 mm
1250 V DC	20.0 mm
1500 V DC	25.0 mm

The values shown in the table below apply for the Wöhner items themselves.

The user is responsible for maintaining the proper clearances and creepage distances, taking the installation conditions into account.

The maximum permitted power dissipation of the fuse links must be taken into account with components having fuses. Short circuit data for DC applications is available upon request.

You can find an overview of the applicability of Wöhner products in terms of the operation voltage (according to IEC standards) under www.woehner.com/insulation_coordination

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter page	Pack size
01008	0,525	0,000	0,000	3.8, 5.1	3
01025	0,000	0,000	0,000	3.4	2
01026	0,000	0,000	0,000	3.4	10
01027	1,124	0,000	0,000	7.12	1
01028	2,250	0,000	0,000	7.12	1
01029	3,750	0,000	0,000	7.12	1
01035	1,392	0,000	0,000	7.12	1
01047	0,251	0,000	0,000	3.7, 5.2	6
01054	0,404	0,000	0,000	7.12	1
01059	0,000	0,000	0,000	7.4	1
01060	4,660	0,000	0,000	7.12	1
01061	14,900	0,000	0,000	3.8, 5.2, 7.12	1
01063	2,250	0,000	0,000	7.13	1
01064	3,750	0,000	0,000	7.13	1
01068	0,000	0,000	0,000	2.2, 3.6	25
01069	0,196	0,000	0,000	3.6, 3.7, 3.8, 5.2, 5.3	3
01070	0,235	0,000	0,000	3.6, 3.8, 5.2, 5.3	3
01071	0,355	0,000	0,000	3.6, 3.8, 5.2, 5.3	3
01075	2,250	0,000	0,000	7.13	1
01076	4,500	0,000	0,000	7.13	1
01084	0,806	0,000	0,000	7.13	1
01089	0,928	0,000	0,000	7.13	1
01090	1,392	0,000	0,000	7.13	1
01091	2,320	0,000	0,000	7.13	1
01092	0,185	0,652	0,000	3.8	3
01093	0,000	0,000	0,000	2.2, 3.6	20
01094	0,000	0,853	0,000	3.8, 5.1	3
01095	2,990	0,000	0,000	7.13	1
01096	5,980	0,000	0,000	7.13	1
01097	3,730	0,000	0,000	7.13	1
01098	0,000	0,000	0,000	7.4	20
01099	7,460	0,000	0,000	7.13	1
01100	0,000	0,000	0,000	7.4	20
01102	0,226	0,350	0,000	3.9	2
01103	0,000	0,000	0,000	7.2	20
01104	0,000	0,000	0,000	7.2	20
01112	4,660	0,000	0,000	7.13	1
01113	9,320	0,000	0,000	7.13	1
01114	0,000	0,006	0,000	7.15	100
01116	0,000	0,004	0,000	3.2	4
01119	0,000	0,000	0,000	7.15	50
01120	0,000	0,000	0,000	7.15	50
01121	0,000	0,000	0,000	7.15	50
01123	11,800	0,000	0,000	7.13	1
01126	0,000	0,012	0,000	7.15	100
01127	0,000	0,016	0,000	7.15	100
01128	0,000	0,024	0,000	7.15	100
01129	0,000	0,037	0,000	7.15	50
01130	0,000	0,249	0,000	7.15	1
01131	0,000	0,000	0,000	3.1	5
01132	0,000	0,004	0,000	3.2	4
01135	0,019	0,011	0,000	2.2, 3.6	6
01136	0,000	0,000	0,000	3.4	1
01137	0,000	0,000	0,000	3.4	1
01138	0,000	0,000	0,000	3.19, 3.30	30
01139	0,000	0,000	0,000	3.30	10
01140	6,500	0,000	0,000	3.3	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter page	Pack size
01141	0,521	0,000	0,000	3.9	3
01143	0,000	0,013	0,000	7.16	50
01144	0,000	0,013	0,000	7.16	50
01145	0,536	0,403	0,000	3.9	3
01147	0,000	0,891	0,000	3.5	1
01162	0,000	0,463	0,000	3.5	1
01165	0,036	0,021	0,000	2.2	1
01166	0,000	0,181	0,000	2.2, 3.9	12
01170	0,000	0,000	0,000	3.19, 3.30	100
01182	0,000	0,040	0,000	3.22, 3.24, 6.14	3
01184	4,500	0,000	0,000	7.12	1
01185	0,198	0,000	0,000	3.8, 5.1	3
01186	0,717	0,000	0,000	3.8, 5.1	3
01187	24,624	0,000	0,000	3.3	1
01188	4,640	0,000	0,000	5.2	1
01189	6,723	0,000	0,000	5.2	1
01190	23,340	0,000	0,000	3.3	1
01193	0,000	0,509	0,000	2.2, 3.9	3
01194	0,806	0,000	0,000	7.12	1
01196	0,928	0,000	0,000	7.12	1
01198	0,032	0,000	0,000	6.2, 6.4, 6.8	3
01199	0,000	0,386	0,000	3.5	1
01201	0,000	0,049	0,000	3.7	3
01202	0,000	0,069	0,000	3.7	3
01203	0,000	0,000	0,000	2.2, 3.6, 5.1	25
01204	9,700	0,000	0,000	3.3	1
01206	0,000	0,000	0,000	3.7	10
01223	15,960	0,000	0,000	3.3	1
01224	15,920	0,000	0,000	3.3	1
01225	2,006	0,000	0,000	5.2	1
01226	2,881	0,000	0,000	5.2	1
01227	36,936	0,000	0,000	3.3	1
01228	0,042	0,000	0,000	6.2, 6.3, 6.4, 6.8	3
01229	23,320	0,000	0,000	3.3	1
01231	0,000	0,018	0,000	3.2	3
01232	0,000	0,018	0,000	3.2	2
01234	0,000	0,000	0,000	3.2	4
01236	0,000	0,000	0,000	3.4	1
01237	0,000	0,000	0,000	3.4	1
01238	0,000	0,000	0,000	3.4	1
01240	0,031	0,018	0,000	3.5	1
01243	0,046	0,030	0,000	3.5	1
01244	0,000	0,000	0,000	2.1, 3.4	10
01245	0,000	0,000	0,000	2.1, 3.4	10
01249	15,560	0,000	0,000	3.3	1
01250	10,600	0,000	0,000	3.3	1
01252	0,000	0,000	0,000	3.4	5
01253	1,800	0,000	0,000	7.12	1
01255	2,700	0,000	0,000	7.12	1
01256	4,476	0,000	0,000	7.12	1
01257	0,000	0,013	0,000	7.16	50
01258	0,000	0,013	0,000	7.16	50
01272	0,000	0,000	0,000	2.1, 2.5	10
01273	18,700	0,000	0,000	3.8, 5.2, 7.12	1
01274	1,030	0,000	0,000	3.9	3
01275	1,612	0,000	0,000	3.9	3
01284	0,000	0,000	0,000	2.2, 3.6	100
01285	0,000	0,000	0,000	2.2, 3.6	50

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter page	Pack size
01287	0,000	0,000	0,000	2.2, 3.6	25
01289	0,000	0,000	0,000	2.2, 3.6	100
01290	0,000	0,000	0,000	2.2, 3.6	50
01292	0,000	0,000	0,000	2.2, 3.6	25
01295	6,059	0,000	0,000	3.9	1
01298	0,000	0,000	0,000	7.12, 7.13	3
01299	0,000	0,000	0,000	7.12, 7.13	4
01300	0,000	0,000	0,000	3.5	3
01301	0,000	0,000	0,000	3.5	3
01314	0,000	0,000	0,000	2.1, 2.5	2
01317	0,000	0,000	0,000	2.1, 2.5	10
01318	0,000	0,128	0,000	3.6, 5.1, 5.3	6
01319	0,000	0,115	0,000	3.6, 5.3	6
01320	0,000	0,000	0,000	3.4	8
01323	3,600	0,000	0,000	7.12	1
01324	5,900	0,000	0,000	7.12	1
01325	0,000	0,000	0,000	3.1	10
01343	7,460	0,000	0,000	7.12	1
01355	0,000	0,000	0,000	3.30	1
01356	0,000	0,000	0,000	3.1	10
01357	0,000	0,000	0,000	3.1	10
01358	0,000	0,000	0,000	3.1	10
01359	0,000	0,000	0,000	3.1	10
01360	0,000	0,000	0,000	3.9	1
01361	0,000	0,000	0,000	3.9	1
01362	0,000	0,000	0,000	3.9	1
01363	0,000	0,000	0,000	3.1	1
01364	0,015	0,009	0,000	2.5	1
01367	0,015	0,009	0,000	2.5	1
01369	0,000	0,000	0,000	5.3	6
01370	0,045	0,027	0,000	2.5	1
01371	0,000	0,000	0,000	2.5	2
01373	0,000	0,000	0,000	3.2	4
01374	0,000	0,000	0,000	2.1	10
01376	0,000	0,000	0,000	2.5	10
01379	0,000	0,000	0,000	5.3	12
01380	0,000	0,000	0,000	5.3	12
01401	0,031	0,018	0,000	2.2	1
01413	0,000	0,000	0,000	3.6	10
01416	0,000	0,000	0,000	4.1	1
01417	0,000	0,000	0,000	3.4	2
01420	0,000	0,000	0,000	4.1	1
01421	0,000	0,000	0,000	4.1	1
01422	0,000	0,000	0,000	3.2	2
01424	0,000	0,000	0,000	3.18	10
01425	0,000	0,000	0,000	3.2	4
01426	0,045	0,030	0,000	2.5	1
01427	0,031	0,020	0,000	2.5	1
01430	0,000	0,000	0,000	4.1	4
01431	0,000	0,000	0,000	4.1	1
01432	0,000	0,000	0,000	4.1	2
01433	0,000	0,000	0,000	4.1	8
01434	0,000	0,000	0,000	4.1	4
01435	0,000	0,000	0,000	4.1	3
01436	0,000	0,000	0,000	4.1	1
01437	0,000	0,000	0,000	4.2	1
01438	2,393	0,000	3,128	4.2	1
01439	6,786	0,027	4,410	4.2	1
01440	0,000	0,000	0,000	4.1	2
01441	0,893	0,136	0,000	4.2	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter page	Pack size
01442	0,689	0,000	0,000	4.2	1
01443	0,883	0,000	0,000	4.2	1
01444	0,000	0,000	0,000	4.1	2
01480	0,407	0,000	0,000	4.1	3
01481	0,602	0,000	0,000	4.1	3
01482	0,000	0,000	0,000	4.1	1
01484	0,019	0,000	0,000	3.1, 3.5	10
01485	0,000	0,000	0,000	3.1	10
01495	0,000	0,000	0,000	3.1	10
01498	0,000	0,025	0,000	3.18	10
01500	0,000	0,000	0,000	3.1	10
01508	0,000	0,000	0,000	3.1	10
01509	9,320	0,000	0,000	3.8, 5.2, 7.12	1
01510	11,800	0,000	0,000	3.8, 5.2, 7.12	1
01512	0,027	0,000	0,000	3.7	25
01513	0,397	0,000	0,000	3.8, 5.1	3
01514	0,091	0,000	0,000	3.7, 5.2	20
01515	0,000	0,000	0,000	3.1	2
01518	0,000	0,000	0,000	3.1	2
01537	0,000	0,668	0,000	3.5	1
01538	0,000	0,347	0,000	3.5	1
01539	0,000	0,000	0,000	3.6	1
01540	0,000	0,000	0,000	3.6	1
01541	0,000	0,000	0,000	7.3	50
01542	0,000	0,000	0,000	7.3	50
01543	0,000	0,000	0,000	7.3	50
01544	0,000	0,000	0,000	7.3	50
01545	0,000	0,000	0,000	7.3	50
01546	0,000	0,000	0,000	7.3	50
01547	0,000	0,000	0,000	7.3	50
01548	0,000	0,000	0,000	7.3	50
01549	0,000	0,000	0,000	7.3	50
01550	0,000	0,000	0,000	7.3	50
01554	0,000	0,000	0,000	3.4	1
01555	0,000	0,000	0,000	3.4	2
01562	0,033	0,000	0,000	2.2	6
01563	0,033	0,000	0,000	3.5	8
01573	0,000	0,000	0,000	3.1, 3.30	10
01583	2,320	0,000	0,000	7.12	1
01586	0,000	0,000	0,000	3.7	10
01587	0,000	0,000	0,000	3.7	10
01590	0,000	0,000	0,000	3.6	1
01592	0,023	0,000	0,090	1.1	1
01596	0,000	0,000	0,000	3.6	1
01597	0,000	0,000	0,000	3.6	1
01599	0,000	0,000	0,000	3.4	1
01601	0,000	0,000	0,000	3.1	1
01602	0,000	0,000	0,000	3.1	1
01603	0,000	0,000	0,000	3.30	10
01608	15,540	0,000	0,000	3.3	1
01609	10,620	0,000	0,000	3.3	1
01610	34,160	0,000	0,000	3.3, 5.3	1
01611	2,250	0,000	0,000	7.12	1
01612	2,990	0,000	0,000	7.12	1
01613	5,980	0,000	0,000	7.12	1
01614	3,730	0,000	0,000	7.12	1
01615	7,460	0,000	0,000	3.8, 5.2, 7.12	1
01616	0,000	0,000	0,000	3.7	6

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
01618	1,284	0,000	0,000	2.1, 2.5, 3.3	1
01619	1,606	0,000	0,000	3.3	1
01620	2,144	0,000	0,000	3.3	1
01621	2,678	0,000	0,000	3.3	1
01622	3,214	0,000	0,000	3.3	1
01623	2,570	0,000	0,000	2.1, 3.3	1
01624	4,286	0,000	0,000	3.3	1
01625	6,432	0,000	0,000	3.3, 4.1	1
01626	8,568	0,000	0,000	4.1	1
01628	12,940	0,000	0,000	4.1	1
01647	0,000	0,025	0,000	3.18	10
01670	0,000	0,000	0,000	7.3	5
01671	0,000	0,000	0,000	7.3	5
01672	0,000	0,000	0,000	7.3	5
01673	0,000	0,000	0,000	7.3	5
01674	0,000	0,000	0,000	7.3	5
01675	0,000	0,000	0,000	7.3	5
01676	0,000	0,000	0,000	7.3	5
01677	0,000	0,000	0,000	7.3	5
01678	0,000	0,000	0,000	7.3	5
01679	0,000	0,000	0,000	7.3	5
01685	0,000	0,000	0,000	7.1	10
01686	0,000	0,000	0,000	7.1	10
01687	0,000	0,000	0,000	7.1	10
01688	0,000	0,000	0,000	7.1	10
01689	0,000	0,000	0,000	7.1	10
01690	0,000	0,000	0,000	7.1	10
01691	0,000	0,000	0,000	7.1	10
01692	0,000	0,000	0,000	7.1	10
01693	0,000	0,000	0,000	7.1	10
01694	0,000	0,000	0,000	7.1	10
01701	0,000	0,000	0,000	7.3	25
01702	0,000	0,000	0,000	7.3	25
01703	0,000	0,000	0,000	7.3	25
01704	0,000	0,000	0,000	7.3	25
01705	0,000	0,000	0,000	7.3	25
01706	0,000	0,000	0,000	7.3	25
01707	0,000	0,000	0,000	7.3	25
01708	0,000	0,000	0,000	7.3	25
01709	0,000	0,000	0,000	7.3	25
01715	0,000	0,000	0,000	7.1	50
01716	0,000	0,000	0,000	7.1	50
01717	0,000	0,000	0,000	7.1	50
01718	0,000	0,000	0,000	7.1	50
01719	0,000	0,000	0,000	7.1	50
01720	0,000	0,000	0,000	7.1	50
01721	0,000	0,000	0,000	7.1	50
01722	0,000	0,000	0,000	7.1	50
01724	0,000	0,000	0,000	7.1	50
01725	0,000	0,000	0,000	7.1	50
01726	0,000	0,000	0,000	7.1	50
01727	0,000	0,000	0,000	7.1	50
01728	0,000	0,000	0,000	7.1	50
01729	0,000	0,000	0,000	7.2	50
01730	0,000	0,000	0,000	7.2	1
01741	0,000	0,000	0,000	7.3	25
01747	0,027	0,000	0,000	3.7	25
01748	0,091	0,000	0,000	3.7	20
01749	0,251	0,000	0,000	3.7	6
01753	0,000	0,347	0,000	3.5	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
01754	0,000	0,668	0,000	3.5	1
01756	0,000	0,000	0,000	3.6	1
01757	0,000	0,000	0,000	3.6	1
01759	0,000	0,115	0,000	3.6, 5.3	3
01760	0,000	0,222	0,000	3.6, 5.1, 5.3	3
01765	17,280	0,000	0,000	4.1	1
01766	21,740	0,000	0,000	4.1	1
01767	25,728	0,000	0,000	4.1	1
01823	0,213	0,000	0,000	3.9	6
01827	0,290	0,217	0,000	3.9	6
01829	0,824	0,635	0,000	3.9	3
01831	4,240	0,000	0,000	5.2	1
01838	2,933	0,000	0,000	5.2	1
01886	0,795	0,000	0,000	3.9	3
01888	0,128	0,000	0,000	3.30	3
01890	0,130	0,044	0,000	3.30	3
01906	0,230	0,000	0,000	3.8, 5.1	3
01907	0,262	0,000	0,000	3.8, 5.1	3
01911	0,262	0,000	0,000	3.8, 5.1	3
01926	0,000	0,018	0,000	7.15	100
01927	0,000	0,036	0,000	7.15	50
01928	0,000	0,054	0,000	7.15	60
01929	0,000	0,072	0,000	7.15	50
01930	0,000	0,090	0,000	7.15	50
01931	0,000	0,108	0,000	7.15	100
01932	0,000	0,276	0,000	7.15	1
01934	0,301	0,000	0,000	3.8, 5.1	3
01935	0,358	0,000	0,000	3.8, 5.1	3
01936	0,230	0,000	0,000	3.8, 5.1	3
01980	0,000	0,000	0,000	3.18	10
01981	0,000	0,000	0,000	3.18	10
01990	0,213	0,000	0,000	3.9	6
01996	0,000	0,000	0,000	3.7	10
01997	0,000	0,000	0,000	3.7	10
01998	0,000	0,000	0,000	7.4	1
03161	0,054	0,000	0,090	7.5	3
03162	0,127	0,000	0,239	7.5	3
03163	0,198	0,000	0,290	7.5	3
03164	0,241	0,000	0,377	7.5	3
03173	0,056	0,000	0,000	6.12, 7.16	10
03181	0,800	0,000	0,000	7.6	1
03182	0,800	0,000	0,000	7.6	1
03183	0,800	0,000	0,000	7.6	1
03185	0,800	0,000	0,000	7.5	3
03193	0,025	0,000	0,000	6.12, 7.16	10
03195	0,066	0,000	0,000	6.12, 7.16	10
03196	0,142	0,000	0,000	6.12, 7.16	10
03197	0,108	0,000	0,000	6.12, 7.16	10
03198	0,236	0,000	0,000	6.12, 7.16	10
03199	0,209	0,000	0,630	3.22	1
03213	0,270	0,000	0,818	6.12	3
03214	0,000	0,000	0,000	7.11	1
03215	0,000	0,000	0,000	7.11	1
03217	0,000	0,000	0,000	7.11	1
03219	0,000	0,000	0,000	7.11	1
03220	0,000	0,000	0,000	7.11	1
03221	0,000	0,000	0,000	7.11	1
03222	0,000	0,000	0,000	7.11	1
03224	0,000	0,000	0,000	7.11	1
03225	0,000	0,000	0,000	7.11	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
03226	0,000	0,000	0,000	7.11	1
03227	0,000	0,000	0,000	7.11	1
03228	0,000	0,000	0,000	7.10	1
03229	0,000	0,000	0,000	7.10	1
03230	0,000	0,000	0,000	7.10	1
03231	0,000	0,000	0,000	7.10	1
03233	0,000	0,000	0,000	7.10	1
03234	0,000	0,000	0,000	7.10	1
03235	0,000	0,000	0,000	7.10	1
03236	0,000	0,000	0,000	7.10	1
03238	0,000	0,000	0,000	7.10	1
03239	0,000	0,000	0,000	7.10	1
03240	0,000	0,000	0,000	7.10	1
03241	0,000	0,000	0,000	7.10	1
03243	0,000	0,000	0,000	7.5	3
03287	0,000	0,000	0,000	2.4	4
03288	0,201	0,000	0,770	6.11	3
03289	0,139	0,000	0,585	6.11	3
03290	0,097	0,000	0,400	6.11	3
03293	0,447	0,000	1,094	6.11	3
03294	0,412	0,000	1,094	6.11	3
03299	0,201	0,000	0,612	3.22	1
03300	0,602	0,252	1,350	3.22	1
03301	0,463	0,000	0,800	3.22	1
03316	0,189	0,032	0,516	2.4	1
03350	0,033	0,000	0,202	6.11	10
03351	0,099	0,000	0,606	6.11	4
03354	0,033	0,000	0,188	6.11	10
03355	0,101	0,000	0,564	6.11	4
03359	0,000	0,000	0,000	6.12	10
03377	0,000	0,000	0,000	6.12	100
03502	0,000	0,000	0,000	7.5	1
03519	0,000	0,025	0,000	6.12	10
03523	0,000	0,000	0,000	7.5	3
03524	0,000	0,000	0,000	7.5	3
03525	0,000	0,000	0,000	7.5	3
03526	0,000	0,000	0,000	7.5	3
03527	0,000	0,000	0,000	7.5	3
03528	0,000	0,000	0,000	7.5	3
03529	0,000	0,000	0,000	7.5	3
03530	0,000	0,000	0,000	7.5	3
03531	0,000	0,000	0,000	7.5	3
03532	0,000	0,000	0,000	7.5	3
03533	0,000	0,000	0,000	7.5	3
03534	0,000	0,000	0,000	7.5	3
03550	0,000	0,000	0,000	7.6	3
03552	0,000	0,000	0,000	7.6	3
03553	0,000	0,000	0,000	7.6	3
03555	0,000	0,000	0,000	7.6	3
03556	0,000	0,000	0,000	7.6	3
03557	0,000	0,000	0,000	7.6	3
03558	0,000	0,000	0,000	7.6	3
03559	0,000	0,000	0,000	7.6	3
03560	0,000	0,000	0,000	7.6	3
03561	0,000	0,000	0,000	7.6	3
03566	0,000	0,000	0,000	7.6	3
03568	0,000	0,000	0,000	7.6	3
03569	0,000	0,000	0,000	7.6	3
03570	0,000	0,000	0,000	7.6	3
03571	0,000	0,000	0,000	7.6	3

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
03572	0,000	0,000	0,000	7.6	3
03573	0,000	0,000	0,000	7.6	3
03574	0,000	0,000	0,000	7.6	3
03575	0,000	0,000	0,000	7.6	3
03577	0,000	0,000	0,000	7.6	3
03579	0,000	0,000	0,000	7.6	3
03581	0,000	0,000	0,000	7.6	3
03582	0,000	0,000	0,000	7.6	3
03620	0,000	0,025	0,000	6.12	10
03654	0,189	0,000	1,003	3.22	4
03656	0,190	0,000	1,030	3.22	4
03657	0,000	0,110	0,000	6.12	10
03668	0,000	0,108	0,000	6.12	10
03693	1,235	0,000	2,874	3.22	1
03727	0,000	0,000	0,000	3.29, 6.14	3
03757	0,269	0,000	0,642	6.12	3
03758	0,033	0,000	0,202	6.11	12
03759	0,099	0,000	0,606	6.11	4
03760	0,033	0,000	0,188	6.11	12
03761	0,101	0,000	0,564	6.11	4
03762	0,089	0,000	0,320	6.11	3
03763	0,267	0,000	0,960	6.11	1
03765	0,275	0,000	1,476	6.11	1
03766	0,366	0,000	1,134	6.11	3
03767	1,097	0,000	3,402	6.11	1
03768	0,412	0,000	1,094	6.11	3
03769	1,236	0,000	3,282	6.11	1
03849	0,000	0,000	0,000	3.24, 6.16	10
03908	0,000	0,000	0,000	7.5	3
03909	0,000	0,000	0,000	7.5	3
03910	0,000	0,000	0,000	7.5	3
03911	0,000	0,000	0,000	7.5	3
03912	0,000	0,000	0,000	7.5	3
03913	0,000	0,000	0,000	7.5	3
03914	0,000	0,000	0,000	7.5	3
03915	0,000	0,000	0,000	7.5	3
03916	0,000	0,000	0,000	7.5	3
03917	0,000	0,000	0,000	7.5	3
03918	0,000	0,000	0,000	7.5	3
03919	0,000	0,000	0,000	7.5	3
03924	0,000	0,000	0,000	7.6	3
03929	0,000	0,000	0,000	7.6	3
03930	0,000	0,000	0,000	7.6	3
03942	0,000	0,000	0,000	7.6	3
03943	0,000	0,000	0,000	7.6	3
03946	0,000	0,000	0,000	7.6	3
03947	0,000	0,000	0,000	7.6	3
05188	0,000	0,018	0,000	6.12	50
05779	0,000	0,000	0,000	7.14	100
05780	0,000	0,000	0,000	7.14	20
05781	0,000	0,000	0,000	7.14	20
05782	0,000	0,000	0,000	7.14	20
05783	0,000	0,000	0,000	7.14	20
05784	0,000	0,000	0,000	7.14	20
05786	0,000	0,000	0,000	7.14	20
05787	0,000	0,000	0,000	7.14	20
05788	0,000	0,000	0,000	7.14	20
05789	0,000	0,000	0,000	7.14	20
05790	0,000	0,000	0,000	7.14	20
05791	0,000	0,000	0,000	7.14	20

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
05792	0,000	0,000	0,000	7.14	20
05793	0,000	0,000	0,000	7.14	20
05800	0,000	0,000	0,000	7.14	20
05801	0,000	0,000	0,000	7.14	20
05802	0,000	0,000	0,000	7.14	20
08824	0,000	0,002	0,000	7.15	100
08825	0,000	0,000	0,000	7.15	100
11225	0,302	0,000	0,000	1.1	1
11405	0,551	0,000	0,000	1.1	1
30322	3,277	2,101	0,000	3.9	1
30473	4,228	2,101	0,000	3.9	1
30894	0,000	0,000	0,000	3.29, 6.14	3
31004	0,000	0,000	0,000	6.3, 6.5	100
31005	0,000	0,000	0,000	7.2	20
31006	0,000	0,000	0,000	7.2	20
31008	0,000	0,000	0,000	7.7	10
31009	0,000	0,000	0,000	7.7	10
31010	0,000	0,000	0,000	7.7	10
31011	0,000	0,000	0,000	7.7	10
31012	0,765	0,000	0,000	6.2, 6.3, 6.4, 6.8	10
31014	0,235	0,000	0,000	6.2, 6.3, 6.4, 6.8	25
31017	0,000	0,000	0,000	7.7	10
31024	0,268	0,000	0,000	6.3	25
31026	0,670	0,000	0,000	6.3	10
31027	0,000	0,000	0,000	6.2, 6.3, 6.4, 6.5, 6.8	50
31028	0,000	0,000	0,000	6.2, 6.3, 6.4, 6.5, 6.8	25
31029	0,000	0,000	0,000	6.2, 6.3, 6.4, 6.5, 6.8	25
31039	0,015	0,000	0,000	6.8, 6.9	10
31042	0,000	0,000	0,000	6.8, 6.9	20
31056	1,485	0,000	0,000	6.2, 6.3, 6.4, 6.8	4
31057	0,505	0,000	0,000	6.2, 6.4, 6.8	10
31070	0,000	0,000	0,000	3.17	10
31071	0,000	0,000	0,000	3.17	10
31072	0,000	0,000	0,000	3.17	5
31073	0,000	0,000	0,000	3.17	5
31084	0,000	0,000	0,000	6.2, 6.3, 6.4, 6.8	10
31085	0,000	0,000	0,000	6.2, 6.3, 6.4, 6.5, 6.8	25
31086	0,000	0,000	0,000	6.3, 6.5	100
31098	0,000	0,000	0,000	7.4	20
31100	0,000	0,000	0,000	7.4	20
31101	0,220	0,000	0,000	6.8	25
31102	0,812	0,000	0,000	6.8	10
31103	0,000	0,000	0,000	6.8	50
31104	0,000	0,000	0,000	7.2	20
31110	0,006	0,000	0,006	6.6	12
31111	0,020	0,000	0,012	6.6	6
31112	0,011	0,000	0,012	6.6	6
31113	0,016	0,000	0,018	6.6	4
31114	0,030	0,000	0,024	6.6	3
31115	0,012	0,000	0,015	6.6	6
31116	0,040	0,000	0,030	6.6	3
31117	0,025	0,000	0,030	6.6	3
31118	0,038	0,000	0,045	6.6	2
31119	0,066	0,000	0,060	6.6	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
31120	0,024	0,000	0,028	6.6	6
31121	0,079	0,000	0,056	6.6	3
31122	0,048	0,000	0,056	6.6	3
31123	0,072	0,000	0,084	6.6	2
31124	0,127	0,000	0,112	6.6	1
31130	0,006	0,000	0,006	6.6	12
31132	0,011	0,000	0,012	6.6	6
31133	0,016	0,000	0,018	6.6	4
31135	0,011	0,000	0,000	6.6	6
31138	0,037	0,000	0,000	6.6	2
31140	0,024	0,000	0,028	6.6	6
31143	0,072	0,000	0,084	6.6	2
31157	0,020	0,000	0,000	6.8	50
31158	0,222	0,000	2,685	3.18	1
31168	0,066	0,000	0,060	6.6	1
31171	0,127	0,000	0,112	6.6	1
31173	0,014	0,013	0,065	6.5	9
31174	0,042	0,041	0,195	6.5	3
31175	0,014	0,022	0,065	6.5	9
31176	0,042	0,067	0,195	6.5	3
31182	0,000	0,000	0,000	7.7	10
31183	0,000	0,000	0,000	7.7	10
31184	0,000	0,000	0,000	7.7	10
31185	0,000	0,000	0,000	7.7	10
31186	0,000	0,000	0,000	7.7	10
31187	0,000	0,000	0,000	7.7	10
31188	0,000	0,000	0,000	7.7	10
31189	0,000	0,000	0,000	1.2, 2.3, 3.16, 7.7	10
31190	0,000	0,000	0,000	7.7	10
31191	0,000	0,000	0,000	7.7	10
31192	0,000	0,000	0,000	7.7	10
31193	0,000	0,000	0,000	7.7	10
31194	0,000	0,000	0,000	7.7	10
31195	0,000	0,000	0,000	7.7	10
31196	0,000	0,000	0,000	7.7	10
31198	0,000	0,000	0,000	7.7	10
31199	0,000	0,000	0,000	7.7	10
31200	0,000	0,000	0,000	7.7	10
31201	0,000	0,000	0,000	7.7	10
31202	0,000	0,000	0,000	7.7	10
31203	0,000	0,000	0,000	7.7	10
31204	0,000	0,000	0,000	7.7	10
31205	0,000	0,000	0,000	7.8	10
31206	0,000	0,000	0,000	7.8	10
31207	0,000	0,000	0,000	7.8	10
31208	0,000	0,000	0,000	7.8	10
31209	0,000	0,000	0,000	7.8	10
31210	0,000	0,000	0,000	7.8	10
31211	0,000	0,000	0,000	7.8	10
31212	0,000	0,000	0,000	7.8	10
31213	0,000	0,000	0,000	7.8	10
31214	0,000	0,000	0,000	7.8	10
31215	0,000	0,000	0,000	7.8	10
31216	0,000	0,000	0,000	7.8	10
31217	0,000	0,000	0,000	7.8	10
31219	0,000	0,000	0,000	7.8	10
31220	0,000	0,000	0,000	7.8	10
31221	0,000	0,000	0,000	7.8	10
31226	0,000	0,000	0,000	7.8	10
31227	0,000	0,000	0,000	7.8	10

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
31228	0,000	0,000	0,000	7.8	10
31229	0,000	0,000	0,000	7.8	10
31232	0,222	0,000	2,685	3.18, 3.20	1
31235	0,000	0,000	0,000	7.9	10
31236	0,000	0,000	0,000	7.9	10
31237	0,000	0,000	0,000	7.9	10
31238	0,000	0,000	0,000	7.9	10
31239	0,000	0,000	0,000	7.9	10
31240	0,000	0,000	0,000	7.9	10
31241	0,000	0,000	0,000	7.9	10
31242	0,000	0,000	0,000	7.9	10
31243	0,000	0,000	0,000	7.9	10
31244	0,000	0,000	0,000	7.9	10
31245	0,000	0,000	0,000	7.9	10
31246	0,000	0,000	0,000	7.9	10
31247	0,000	0,000	0,000	7.9	10
31248	0,000	0,000	0,000	7.9	10
31249	0,000	0,000	0,000	7.9	10
31250	0,000	0,000	0,000	7.9	10
31251	0,000	0,000	0,000	7.9	10
31252	0,000	0,000	0,000	1.2, 2.3, 3.16, 7.9	10
31258	0,015	0,000	0,006	6.6	12
31269	0,000	0,000	0,000	6.8	1
31273	0,009	0,000	0,012	6.6	12
31274	0,023	0,000	0,024	6.6	4
31275	0,006	0,000	0,006	6.7	12
31276	0,011	0,000	0,012	6.7	6
31277	0,016	0,000	0,018	6.7	4
31278	0,012	0,000	0,015	6.7	6
31279	0,025	0,000	0,030	6.7	3
31280	0,038	0,000	0,045	6.7	2
31281	0,024	0,000	0,028	6.7	6
31282	0,048	0,000	0,056	6.7	3
31283	0,072	0,000	0,084	6.7	2
31284	0,024	0,000	0,028	6.10	6
31285	0,048	0,000	0,056	6.10	3
31286	0,000	0,022	0,000	6.3	9
31287	0,072	0,000	0,084	6.10	2
31288	0,000	0,066	0,000	6.3	3
31291	0,000	0,031	0,000	6.3	9
31293	0,000	0,094	0,000	6.3	3
31295	0,006	0,000	0,006	6.9	12
31296	0,011	0,000	0,012	6.9	6
31297	0,016	0,000	0,018	6.9	4
31298	0,006	0,000	0,006	6.9	12
31299	0,011	0,000	0,012	6.9	6
31300	0,016	0,000	0,018	6.9	4
31301	0,000	0,021	0,000	6.2	9
31302	0,000	0,064	0,000	6.2	3
31303	0,000	0,021	0,000	6.2	9
31306	0,000	0,063	0,000	6.2	3
31307	0,030	0,000	0,296	6.4	3
31308	0,051	0,000	0,440	6.4	2
31309	0,263	0,000	0,000	6.5	25
31310	0,671	0,000	0,000	6.5	10
31311	0,256	0,000	0,000	6.5	25
31312	0,641	0,000	0,000	6.5	10
31313	0,062	0,000	0,592	6.4	2
31314	0,090	0,000	0,888	6.4	1
31315	0,111	0,000	1,032	6.4	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
31316	0,000	0,000	0,000	6.4	1
31323	0,000	0,000	0,000	7.11	10
31324	0,000	0,000	0,000	7.11	10
31325	0,000	0,000	0,000	7.11	10
31326	0,000	0,000	0,000	7.11	10
31327	0,000	0,000	0,000	7.11	10
31333	0,000	0,000	0,000	7.10	10
31338	0,000	0,000	0,000	7.10	10
31342	0,000	0,000	0,000	7.10	10
31345	0,000	0,000	0,000	7.10	10
31349	0,000	0,000	0,000	7.10	10
31351	0,000	0,000	0,000	7.10	10
31353	0,000	0,000	0,000	7.10	10
31354	0,000	0,000	0,000	7.10	10
31355	0,000	0,000	0,000	7.10	10
31357	0,000	0,000	0,000	7.10	10
31358	0,000	0,000	0,000	7.10	10
31359	0,000	0,000	0,000	7.10	10
31360	0,000	0,000	0,000	7.10	10
31361	0,000	0,000	0,000	7.10	10
31362	0,000	0,000	0,000	7.10	10
31363	0,000	0,000	0,000	7.10	10
31364	0,000	0,000	0,000	7.10	10
31366	0,000	0,000	0,000	7.7	10
31368	0,000	0,000	0,000	7.7	10
31370	0,000	0,000	0,000	7.7	10
31371	0,000	0,000	0,000	7.7	10
31372	0,000	0,000	0,000	7.7	10
31373	0,000	0,000	0,000	7.7	10
31374	0,000	0,000	0,000	7.7	10
31385	0,000	0,000	0,000	7.7	10
31386	0,000	0,000	0,000	7.7	10
31387	0,000	0,000	0,000	7.7	10
31390	0,000	0,000	0,000	2.6	1
31394	0,000	0,000	0,000	7.9	10
31395	0,000	0,000	0,000	7.9	10
31396	0,000	0,000	0,000	7.9	10
31397	0,000	0,000	0,000	7.9	10
31398	0,000	0,000	0,000	7.9	10
31399	0,000	0,000	0,000	7.9	10
31400	0,000	0,000	0,000	7.9	10
31401	0,000	0,000	0,000	7.9	10
31404	0,000	0,000	0,000	7.9	10
31405	0,000	0,000	0,000	7.9	10
31406	0,000	0,000	0,000	7.9	10
31407	0,000	0,000	0,000	7.9	10
31441	0,019	0,037	0,000	3.17	10
31442	0,019	0,060	0,000	3.17	10
31511	0,000	0,000	0,000	7.11	10
31512	0,000	0,000	0,000	7.11	10
31514	0,000	0,000	0,000	7.11	10
31515	0,000	0,000	0,000	7.11	10
31525	0,222	0,000	2,685	3.18	1
31543	0,000	0,000	0,000	7.8	10
31544	0,000	0,000	0,000	7.8	10
31545	0,000	0,000	0,000	7.8	10
31546	0,000	0,000	0,000	7.8	10
31547	0,000	0,000	0,000	7.8	10
31548	0,450	0,000	0,000	6.8, 6.9	10
31549	1,070	0,000	0,000	6.8, 6.9	10

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
31550	0,035	0,000	0,000	6.8, 6.9	10
31552	0,000	0,000	0,000	6.8, 6.9	20
31554	0,049	0,000	0,000	2.4	6
31555	0,008	0,000	0,006	6.7	5
31556	0,030	0,000	0,800	6.4	3
31557	0,090	0,000	0,888	6.4	1
31558	0,000	0,000	0,000	7.8	20
31559	0,000	0,000	0,000	7.8	20
31560	0,000	0,000	0,000	7.8	20
31561	0,680	0,000	0,000	6.8, 6.9	10
31563	0,000	0,000	0,000	6.8	1
31564	0,000	0,000	0,000	6.8	1
31565	0,000	0,000	0,000	6.8	1
31567	0,000	0,000	0,000	1.2, 2.3, 3.16, 6.1	3
31568	0,000	0,000	0,000	1.2, 2.3, 3.16, 6.1	3
31569	0,000	0,000	0,000	1.2, 2.3, 3.16, 6.1	3
31570	0,005	0,000	0,006	3.20	12
31571	0,005	0,000	0,006	3.20	12
31572	0,005	0,000	0,006	3.20	12
31574	0,081	0,000	1,107	3.19	1
31575	0,081	0,000	1,107	3.19	1
31578	0,081	0,000	1,107	3.19	1
31579	0,081	0,000	1,107	3.19	1
31588	0,081	0,000	1,107	3.19	1
31901	0,000	0,000	0,000	3.18	5
31902	0,000	0,000	0,000	3.18, 3.19, 6.4	20
31903	0,000	0,000	0,000	3.18	1
31904	0,000	0,000	0,000	7.2	36
31905	0,000	0,000	0,000	7.4	20
31906	0,000	0,000	0,000	7.4	10
31908	0,000	0,000	0,000	7.2	36
31909	0,000	0,000	0,000	7.2	36
31910	0,000	0,000	0,000	7.2	36
31911	0,000	0,000	0,000	7.4	20
31912	0,000	0,000	0,000	7.4	10
31913	0,000	0,000	0,000	7.2, 7.4	1
31914	0,000	0,000	0,000	3.19	5
31915	0,000	0,000	0,000	3.19	5
31918	0,028	0,037	0,000	3.17	10
31919	0,028	0,060	0,000	3.17	10
31920	0,040	0,032	0,268	6.10	6
31921	0,079	0,064	0,536	6.10	3
31922	0,118	0,096	0,804	6.10	2
31923	0,040	0,032	0,268	6.10	6
31924	0,079	0,064	0,536	6.10	3
31925	0,118	0,096	0,804	6.10	2
31929	0,006	0,000	0,006	6.9	12
31930	0,006	0,000	0,006	6.6	12
31932	0,024	0,032	0,028	6.10	6
31933	0,048	0,065	0,056	6.10	3
31934	0,072	0,098	0,084	6.10	2
31935	0,000	0,025	0,000	3.18	8
31936	0,000	0,025	0,000	3.18	6
31940	0,012	0,000	0,015	6.7	6
31941	0,038	0,000	0,045	6.7	2
31942	0,024	0,000	0,028	6.7	6
31943	0,072	0,000	0,084	6.7	2

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
31946	0,028	0,037	0,000	3.17	8
31947	0,028	0,060	0,000	3.17	6
31950	0,019	0,037	0,000	3.17	8
31951	0,019	0,060	0,000	3.17	6
31954	0,032	0,000	0,348	3.20	4
31955	0,032	0,000	0,348	3.20	4
31957	0,048	0,000	0,056	6.7	3
31958	0,032	0,000	0,348	3.21	4
31959	0,032	0,000	0,348	3.21	4
31961	0,022	0,000	0,232	3.20	6
31963	0,052	0,000	0,464	3.20	4
31964	0,052	0,000	0,464	3.20	4
31968	0,139	0,098	0,000	3.21	1
31970	0,340	0,096	0,000	3.21	1
31971	0,006	0,000	0,006	6.7	12
31972	0,025	0,000	0,030	6.7	3
31973	0,006	0,000	0,006	6.7	12
31974	0,011	0,000	0,012	6.7	6
31976	0,000	0,000	0,000	3.19	1
32004	0,952	0,052	0,000	3.15	1
32017	0,455	0,000	0,000	3.14	1
32018	0,397	0,000	0,000	3.14	1
32020	0,397	0,000	0,000	3.14	1
32023	0,309	0,009	0,000	3.14	1
32028	0,397	0,000	0,375	3.14	1
32029	0,182	0,000	0,000	3.13	1
32031	1,559	0,007	0,000	3.15	1
32033	2,276	0,005	0,000	3.15	1
32064	1,641	0,020	5,642	3.15	1
32067	0,614	0,000	0,000	3.14	1
32137	0,307	0,018	0,000	3.14	1
32138	1,088	0,003	0,000	3.15	1
32140	0,322	0,018	0,000	3.14	1
32146	0,029	0,000	0,000	3.12	4
32156	0,312	0,007	0,000	3.14	1
32157	1,095	0,007	0,000	3.15	1
32168	0,348	0,040	0,000	3.14	1
32214	0,156	0,027	0,000	3.14	1
32215	0,156	0,027	0,000	3.14	1
32216	0,348	0,040	0,000	3.14	1
32400	0,047	0,000	0,000	3.10	4
32401	0,047	0,000	0,000	3.10	4
32402	0,047	0,000	0,000	3.10	4
32404	0,091	0,000	0,000	3.10	4
32408	0,091	0,000	0,000	3.10	4
32412	0,109	0,000	0,000	3.10	4
32416	0,109	0,000	0,000	3.10	4
32420	0,004	0,000	0,000	3.10	4
32421	0,011	0,000	0,000	3.10	4
32425	0,004	0,000	0,000	3.10	4
32426	0,011	0,000	0,000	3.10	4
32427	0,048	0,000	0,000	3.13	4
32428	0,048	0,000	0,000	3.13	4
32429	0,036	0,000	0,000	3.13	4
32430	0,042	0,000	0,000	3.11	4
32431	0,042	0,000	0,000	3.11	4
32432	0,046	0,000	0,000	3.11	2
32433	0,042	0,000	0,000	3.11	4
32434	0,048	0,000	0,000	3.13	4
32436	0,021	0,000	0,000	3.11	4

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
32438	0,048	0,000	0,000	3.13	4
32439	0,021	0,000	0,000	3.11	4
32440	0,040	0,000	0,000	3.13	2
32441	0,084	0,000	0,000	3.11	4
32442	0,084	0,000	0,000	3.11	4
32443	0,084	0,000	0,000	3.11	4
32444	0,084	0,000	0,000	3.11	4
32445	0,042	0,000	0,000	3.13	4
32446	0,084	0,000	0,000	3.11	4
32448	0,046	0,000	0,000	3.13	2
32449	0,084	0,000	0,000	3.11	4
32450	0,042	0,000	0,000	3.13	4
32451	0,048	0,000	0,000	3.13	4
32452	0,046	0,000	0,000	3.13	2
32453	0,052	0,000	0,000	3.13	2
32454	0,105	0,000	0,000	3.11	4
32455	0,105	0,000	0,000	3.11	4
32456	0,105	0,000	0,000	3.11	4
32457	0,105	0,000	0,000	3.11	4
32459	0,105	0,000	0,000	3.11	4
32460	0,105	0,000	0,000	3.13	4
32461	0,105	0,000	0,000	3.11	4
32463	0,105	0,000	0,000	3.13	2
32464	0,058	0,000	0,000	3.12	4
32465	0,058	0,000	0,000	3.12	4
32466	0,057	0,000	0,000	3.11	4
32467	0,057	0,000	0,000	3.11	4
32469	0,057	0,000	0,000	3.11	4
32472	0,057	0,000	0,000	3.11	4
32477	0,004	0,000	0,000	3.12	4
32478	0,011	0,000	0,000	3.12	4
32484	0,004	0,000	0,000	3.12	4
32485	0,011	0,000	0,000	3.12	4
32486	0,022	0,000	0,000	3.12	4
32487	0,022	0,000	0,000	3.12	4
32498	0,049	0,000	0,000	3.13	4
32511	0,000	0,000	0,000	3.10, 3.12	10
32513	0,000	0,000	0,000	3.10, 3.12	10
32533	0,048	0,000	0,000	3.13	4
32534	0,084	0,000	0,000	3.13	4
32535	0,105	0,000	0,000	3.13	4
32570	0,266	0,002	0,772	3.14	1
32575	0,397	0,000	0,375	3.14	1
32577	0,397	0,000	0,375	3.14	1
32578	0,611	0,000	0,000	3.14	1
32579	2,103	0,009	0,000	3.15	1
32580	0,617	0,000	0,000	3.14	1
32581	2,157	0,003	0,000	3.15	1
32584	0,600	0,000	0,000	3.14	1
32585	2,765	0,007	0,000	3.15	1
32586	0,617	0,000	0,000	3.14	1
32588	0,051	0,000	0,000	3.13	4
32590	0,040	0,000	0,000	2.3	4
32591	0,087	0,000	0,000	2.3	4
32592	0,449	0,000	0,000	3.14	1
32593	1,458	0,003	0,000	3.15	1
32594	0,097	0,000	0,000	3.23	2
32595	0,233	0,000	0,000	3.23	2
32601	0,440	0,000	0,000	3.14	1
32628	0,033	0,000	0,000	2.6	12

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
32629	0,030	0,000	0,000	2.6	12
32630	0,031	0,000	0,000	2.6	12
32631	0,000	0,000	0,000	2.6	6
32632	0,008	0,005	0,000	2.6	12
32633	0,000	0,000	0,000	2.6	12
32634	0,007	0,005	0,000	2.6	12
32635	0,005	0,000	0,000	3.12	4
32636	0,005	0,000	0,000	3.12	4
32637	0,055	0,000	0,000	3.13	4
32638	0,064	0,000	0,000	3.13	4
32639	0,049	0,000	0,000	3.13	4
32640	0,217	0,004	0,000	2.5	1
32641	1,473	0,003	0,000	3.15	1
32642	0,426	0,010	0,000	3.14	1
32643	1,679	0,010	0,000	3.15	1
32650	0,055	0,000	0,000	3.13	4
32651	0,462	0,000	0,000	3.14	1
32655	0,049	0,000	0,000	3.11	4
32659	0,064	0,000	0,000	3.13	4
32660	0,218	0,000	0,000	3.14	1
32661	0,218	0,000	0,000	2.3	1
32662	0,181	0,000	0,000	3.13	1
32663	0,181	0,000	0,000	3.13	1
32664	0,192	0,000	0,000	3.13	1
32666	0,014	0,000	0,090	1.3	1
32668	0,014	0,000	0,090	1.3	1
32669	0,014	0,000	0,090	1.3	1
32676	0,021	0,000	0,090	1.3	1
32682	0,036	0,000	0,090	1.3	1
32684	0,036	0,000	0,090	1.3	1
32686	0,036	0,000	0,090	1.3	1
32692	0,052	0,000	0,090	1.3	1
32700	0,000	0,000	0,000	4.8	1
32701	0,000	0,000	0,000	4.8	1
32702	0,000	0,000	0,000	4.8	1
32703	0,000	0,000	0,000	4.8	1
32704	0,000	0,000	0,000	4.8	1
32706	0,000	0,000	0,000	4.8	1
32718	24,310	0,000	0,000	4.6	1
32719	22,875	0,000	0,000	4.6	1
32720	24,383	0,000	0,000	4.8	1
32721	23,892	0,000	0,000	4.8	1
32722	24,313	0,000	0,000	4.6	1
32723	22,875	0,000	0,000	4.6	1
32724	24,382	0,000	0,000	4.8	1
32725	22,944	0,000	0,000	4.8	1
32726	22,912	0,000	0,000	4.5	1
32729	14,858	0,000	0,000	4.5	1
32730	14,282	0,000	0,000	4.5	1
32731	24,805	0,000	0,000	4.5	1
32732	23,366	0,000	0,000	4.5	1
32733	15,557	0,000	0,000	4.5	1
32734	24,351	0,000	0,000	4.5	1
32737	22,912	0,000	0,000	4.5	1
32738	24,768	0,000	0,000	4.6	1
32739	23,042	0,000	0,000	4.6	1
32741	4,611	0,008	0,000	4.3	1
32742	4,503	0,008	0,000	4.3	1
32743	4,482	0,008	0,000	4.3	1
32745	5,351	0,008	0,000	4.3	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
32746	5,219	0,008	0,000	4.3	1
32747	14,858	0,000	0,000	4.5	1
32748	24,837	0,000	0,000	4.8	1
32749	23,111	0,000	0,000	4.8	1
32752	23,387	0,000	0,000	4.4	1
32753	21,661	0,000	0,000	4.4	1
32754	14,272	0,000	0,000	4.4	1
32755	14,848	0,000	0,000	4.4	1
32756	22,933	0,000	0,000	4.4	1
32757	21,494	0,000	0,000	4.4	1
32758	14,149	0,000	0,000	4.4	1
32761	23,387	0,000	0,000	4.4	1
32762	21,948	0,000	0,000	4.4	1
32763	14,848	0,000	0,000	4.4	1
32764	24,805	0,000	0,000	4.5	1
32765	21,494	0,000	0,000	4.4	1
32766	14,149	0,000	0,000	4.4	1
32767	13,573	0,000	0,000	4.4	1
32769	13,573	0,000	0,000	4.4	1
32770	13,642	0,000	0,000	4.7	1
32771	23,079	0,000	0,000	4.5	1
32772	21,730	0,000	0,000	4.7	1
32773	14,917	0,000	0,000	4.7	1
32774	14,341	0,000	0,000	4.7	1
32775	23,002	0,000	0,000	4.7	1
32776	21,563	0,000	0,000	4.7	1
32777	13,642	0,000	0,000	4.7	1
32779	14,917	0,000	0,000	4.7	1
32780	23,456	0,000	0,000	4.7	1
32781	22,017	0,000	0,000	4.7	1
32783	15,557	0,000	0,000	4.5	1
32784	21,563	0,000	0,000	4.7	1
32785	14,218	0,000	0,000	4.7	1
32786	13,642	0,000	0,000	4.7	1
32787	24,768	0,000	0,000	4.6	1
32788	23,329	0,000	0,000	4.6	1
32789	24,837	0,000	0,000	4.8	1
32790	23,398	0,000	0,000	4.8	1
32795	14,981	0,000	0,000	4.5	1
32796	14,282	0,000	0,000	4.5	1
32797	24,351	0,000	0,000	4.5	1
32807	22,923	0,000	0,000	4.4	1
32808	21,563	0,000	0,000	4.7	1
32809	23,665	0,000	0,000	4.7	1
32907	0,008	0,000	0,000	3.12	24
32912	0,000	0,000	0,000	2.3	10
32914	0,052	0,000	0,000	3.12	24
32915	0,026	0,000	0,000	3.12	24
32921	0,004	0,000	0,000	3.12	24
32933	0,000	0,000	0,000	1.3	8
32934	0,000	0,000	0,000	1.3	4
32937	0,000	0,000	0,000	3.14	4
32947	0,000	0,000	0,000	1.3, 3.10, 3.12	10
32948	0,000	0,000	0,000	3.10, 3.12	10
32949	0,000	0,000	0,000	3.10, 3.12	10
32950	0,000	0,000	0,000	3.10, 3.12	10
32951	0,000	0,000	0,000	3.10, 3.12	10
32952	0,000	0,000	0,000	1.3	10
32954	0,000	0,000	0,000	3.10, 3.12	50
32956	0,000	0,000	0,000	3.10	10

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
32963	0,000	0,000	0,000	3.12	10
32964	0,000	0,000	0,000	3.10	10
32969	0,000	0,000	0,000	3.10, 3.12	50
32973	0,000	0,000	0,000	3.11	4
32974	0,000	0,000	0,000	3.11	4
32975	1,167	0,025	0,000	3.15	1
32976	0,358	0,015	0,000	3.14	1
32977	0,358	0,021	0,000	3.14	1
32978	1,473	0,000	0,000	3.15	1
32979	0,000	0,000	0,000	1.3	10
32980	1,163	0,053	0,000	3.15	1
32981	0,182	0,000	0,000	3.13	1
32982	0,000	0,000	0,000	3.15	1
32983	0,000	0,000	0,000	4.8	1
32984	0,000	0,000	0,000	4.8	1
32985	0,000	0,000	0,000	4.8	1
32986	0,000	0,000	0,000	4.8	1
32987	0,000	0,000	0,000	4.8	1
32988	0,000	0,000	0,000	4.3	1
32989	0,000	0,000	0,000	4.3	1
32990	0,000	0,000	0,000	4.3	1
33051	0,000	0,000	0,000	3.24, 6.16	10
33075	0,210	0,000	0,630	3.19, 3.30	1
33079	0,385	0,000	0,624	3.19, 3.30	1
33113	0,000	0,000	0,000	4.10, 4.12, 4.14, 4.15	4
33142	0,000	0,000	0,000	3.25, 3.28, 6.15, 6.17	2
33143	0,000	0,000	0,000	3.25, 6.15	2
33144	0,000	0,000	0,000	3.25, 6.15	2
33145	0,000	0,124	0,000	3.24, 3.28, 6.14, 6.17	1
33146	0,000	0,202	0,000	3.24, 6.14	1
33147	0,000	0,288	0,000	3.24, 6.14	1
33148	0,000	0,000	0,000	3.24	1
33149	0,325	0,000	1,200	6.13	1
33150	0,684	0,000	2,064	6.13	1
33151	1,111	0,000	3,474	6.13	1
33152	0,000	0,000	0,000	6.15	1
33153	0,000	0,000	0,000	6.15	1
33154	0,000	0,000	0,000	6.15	1
33155	0,000	0,000	0,000	3.24, 6.15	10
33156	0,000	0,000	0,052	2.4, 3.24, 3.29, 4.10, 4.12, 6.16	1
33157	0,000	0,000	0,000	3.24, 6.16	10
33158	0,000	0,000	0,000	6.16	1
33160	0,583	0,000	1,200	3.23	1
33161	1,620	0,000	4,342	3.23	1
33162	2,766	0,000	6,723	3.23	1
33163	0,000	0,027	0,000	3.24, 3.28, 6.14, 6.18, 6.19	1
33164	0,000	0,049	0,000	3.24, 6.14, 6.18, 6.19	1
33165	0,000	0,069	0,000	3.24, 6.14, 6.18, 6.19	1
33166	0,000	0,080	0,000	3.24, 3.28, 6.14, 6.17	1
33167	0,000	0,137	0,000	3.24, 6.14	1
33168	0,000	0,177	0,000	3.24, 6.14	1
33177	0,000	0,000	0,000	6.21	1
33193	0,000	0,000	0,000	6.16	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
33194	0,888	0,000	2,274	3.19, 3.30	1
33198	0,209	0,000	0,630	3.23	1
33199	0,110	0,000	0,624	6.13	1
33200	0,110	0,000	0,624	6.13	1
33201	0,306	0,000	1,368	6.13	1
33202	0,665	0,000	2,064	6.13	1
33203	1,090	0,000	3,474	6.13	1
33204	7,090	0,000	14,300	6.13	1
33206	0,216	0,000	0,630	3.23	1
33207	0,116	0,000	0,624	6.13	1
33208	0,116	0,000	0,624	6.13	1
33216	0,375	0,065	0,861	3.23	1
33217	0,086	0,065	0,486	6.13	1
33219	0,000	0,000	0,000	6.15	10
33220	0,000	0,000	0,000	6.15	10
33221	0,110	0,000	0,624	6.13	1
33222	0,110	0,000	0,624	6.13	1
33223	0,000	0,000	0,000	6.15	2
33224	0,000	0,014	0,000	3.22, 3.24, 3.29, 6.14	3
33225	0,000	0,000	0,000	6.15	10
33226	0,000	0,000	0,000	6.15	10
33234	0,488	0,000	2,241	3.29	1
33246	0,000	0,000	0,000	6.18, 6.19	1
33247	0,000	0,000	0,000	6.16	1
33283	0,000	0,000	0,000	6.18, 6.19	1
33285	0,488	0,002	2,241	3.29	1
33292	0,000	0,000	0,000	4.12	1
33293	0,000	0,000	0,000	4.12	1
33294	0,000	0,000	0,000	4.12	1
33295	0,000	0,000	0,000	4.12	1
33298	0,000	0,000	0,000	4.12	1
33299	0,000	0,000	0,000	4.12	1
33308	1,480	2,100	5,100	6.10	1
33311	3,134	1,050	8,349	3.21	1
33315	0,000	0,000	0,000	3.25	1
33316	0,000	0,000	0,000	3.25	1
33317	0,000	0,000	0,000	3.25	2
33324	0,209	0,005	0,630	3.23	1
33325	0,577	0,000	1,200	3.23	1
33326	1,614	0,000	4,342	3.23	1
33327	2,758	0,000	6,723	3.23	1
33328	0,110	0,003	0,624	6.13	1
33329	0,110	0,003	0,624	6.13	1
33330	0,319	0,000	1,200	6.13	1
33331	0,678	0,000	2,064	6.13	1
33332	1,103	0,000	3,474	6.13	1
33333	0,248	0,000	0,000	6.19	1
33334	0,980	0,000	0,000	6.19	1
33335	1,041	0,000	0,000	6.19	1
33336	2,043	0,000	0,000	6.19	1
33337	0,413	0,000	0,000	6.18	1
33338	1,803	0,000	0,000	6.18	1
33339	2,135	0,000	0,000	6.18	1
33340	3,897	0,000	0,000	6.18	1
33342	0,000	0,000	0,000	6.18, 6.19	1
33343	0,000	0,000	0,000	6.18, 6.19	1
33345	0,000	0,000	0,000	6.18, 6.19	1
33346	0,000	0,000	0,000	6.18, 6.19	1
33347	0,000	0,000	0,000	6.18, 6.19	1
33348	0,000	0,000	0,000	6.18, 6.19	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
33349	0,000	0,000	0,000	6.18, 6.19	1
33350	0,000	0,000	0,000	6.18, 6.19	2
33351	0,000	0,000	0,000	6.18, 6.19	2
33352	0,000	0,000	0,000	6.18, 6.19	2
33355	0,248	0,000	0,000	6.19	1
33356	0,980	0,000	0,000	6.19	1
33357	1,041	0,000	0,000	6.19	1
33358	2,043	0,000	0,000	6.19	1
33359	0,413	0,000	0,000	6.18	1
33360	1,803	0,000	0,000	6.18	1
33361	2,135	0,000	0,000	6.18	1
33362	3,897	0,000	0,000	6.18	1
33363	0,000	0,000	0,000	6.18	3
33364	0,000	0,000	0,000	6.19	3
33365	0,000	0,000	0,000	6.19	3
33366	0,000	0,080	0,000	6.18, 6.19	3
33367	0,000	0,131	0,000	6.18, 6.19	3
33376	0,404	0,000	0,000	6.14	4
33377	0,661	0,000	0,000	6.14	4
33378	0,090	0,052	0,000	6.14	3
33380	0,000	0,000	0,000	6.18, 6.19	1
33381	0,000	0,000	0,000	6.18, 6.19	1
33385	0,000	0,288	0,000	3.24, 6.14	1
33392	0,998	0,000	0,000	6.14	4
33393	0,380	0,505	1,812	6.13	1
33394	0,201	0,003	0,612	3.23	1
33398	0,201	0,000	0,690	3.23	1
33402	0,351	0,000	0,990	3.21	1
33403	0,769	0,225	1,800	3.21	1
33408	0,255	0,000	1,010	6.10	1
33409	0,504	0,451	1,680	6.10	1
33416	0,189	0,030	0,516	2.4, 2.5	1
33418	0,000	0,000	0,000	3.25, 6.15	2
33419	0,000	0,000	0,000	3.25, 6.15	2
33420	0,208	0,005	0,612	3.23	1
33421	0,463	0,000	0,990	3.21	1
33422	0,480	0,000	0,990	3.21	1
33424	0,124	0,000	0,000	6.20	1
33425	0,145	0,000	0,000	6.20	1
33426	0,124	0,000	0,000	6.20	1
33427	0,145	0,000	0,000	6.20	1
33428	0,214	0,000	0,000	6.20	1
33429	0,214	0,000	0,000	6.20	1
33430	0,473	0,000	0,000	6.20	1
33431	0,473	0,000	0,000	6.20	1
33432	0,913	0,000	0,000	6.20	1
33433	0,913	0,000	0,000	6.20	1
33434	2,606	0,000	0,000	6.20	1
33435	6,648	0,000	0,000	6.20	1
33436	6,648	0,000	0,000	6.20	1
33437	18,968	0,000	0,000	6.20	1
33438	20,468	0,000	0,000	6.20	1
33439	20,468	0,000	0,000	6.20	1
33440	0,166	0,000	0,000	6.20	1
33441	0,193	0,000	0,000	6.20	1
33442	0,166	0,000	0,000	6.20	1
33443	0,193	0,000	0,000	6.20	1
33444	0,273	0,000	0,000	6.20	1
33445	0,273	0,000	0,000	6.20	1
33446	0,564	0,000	0,000	6.20	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter page	Pack size
33447	0,564	0,000	0,000	6.20	1
33448	1,217	0,000	0,000	6.20	1
33449	1,217	0,000	0,000	6.20	1
33450	3,186	0,000	0,000	6.20	1
33451	8,444	0,000	0,000	6.20	1
33452	26,968	0,000	0,000	6.20	1
33453	28,468	0,000	0,000	6.20	1
33454	28,468	0,000	0,000	6.20	1
33455	0,280	0,000	0,000	6.22	1
33456	0,280	0,000	0,000	6.22	1
33457	0,437	0,000	0,000	6.22	1
33458	0,888	0,000	0,000	6.22	1
33459	0,888	0,000	0,000	6.22	1
33460	0,888	0,000	0,000	6.22	1
33461	2,984	0,000	0,000	6.22	1
33462	2,984	0,000	0,000	6.22	1
33463	9,245	0,000	0,000	6.22	1
33464	0,392	0,000	0,000	6.22	1
33465	0,392	0,000	0,000	6.22	1
33466	0,557	0,000	0,000	6.22	1
33467	1,209	0,000	0,000	6.22	1
33468	1,209	0,000	0,000	6.22	1
33469	1,209	0,000	0,000	6.22	1
33470	3,984	0,000	0,000	6.22	1
33471	3,984	0,000	0,000	6.22	1
33472	11,740	0,000	0,000	6.22	1
33500	0,385	0,110	2,352	3.26	1
33501	0,415	0,110	3,582	3.26	1
33502	0,334	0,110	3,618	6.17	1
33503	0,385	0,123	2,352	3.26	1
33504	0,415	0,123	2,904	3.26	1
33505	0,334	0,123	3,618	6.17	1
33506	0,368	0,111	2,094	3.26	1
33507	0,344	0,111	8,940	6.17	1
33510	0,913	0,286	7,167	3.27	1
33511	1,059	0,286	10,071	3.27	1
33512	0,854	0,286	9,090	6.17	1
33513	0,913	0,334	7,167	3.27	1
33514	1,059	0,334	10,071	3.27	1
33515	0,854	0,334	9,090	6.17	1
33516	0,926	0,286	14,301	3.27	1
33540	0,444	0,110	3,798	3.26	1
33541	0,474	0,110	5,028	3.26	1
33542	0,393	0,110	5,064	6.17	1
33543	0,444	0,123	3,798	3.26	1
33544	0,474	0,123	5,028	3.26	1
33545	0,393	0,123	5,064	6.17	1
33550	0,896	0,286	6,177	3.27	1
33551	1,041	0,286	7,641	3.27	1
33552	0,837	0,286	8,100	6.17	1
33553	0,896	0,334	6,177	3.27	1
33554	1,042	0,334	7,641	3.27	1
33555	0,837	0,334	8,100	6.17	1
33600	0,602	0,252	1,506	3.23	1
33601	0,565	0,000	1,200	3.23	1
33602	1,601	0,000	4,342	3.23	1
33603	2,745	0,000	8,868	3.23	1
33610	0,996	0,000	4,780	4.13	1
33611	0,883	0,000	4,780	4.13	1
33612	0,996	0,000	4,780	4.13	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter page	Pack size
33613	0,883	0,000	4,780	4.13	1
33614	1,072	0,000	4,780	4.13	1
33615	0,959	0,000	4,780	4.13	1
33616	1,072	0,000	4,780	4.13	1
33617	0,959	0,000	4,780	4.13	1
33620	1,061	0,000	4,780	4.13	1
33621	0,948	0,000	4,780	4.13	1
33622	1,043	0,000	4,780	4.13	1
33623	0,930	0,000	4,780	4.13	1
33624	1,137	0,000	4,780	4.13	1
33625	1,024	0,000	4,780	4.13	1
33626	1,119	0,000	4,780	4.13	1
33627	1,006	0,000	4,780	4.13	1
33630	2,696	0,000	15,180	4.15	1
33631	2,868	0,000	15,710	4.15	1
33632	3,685	0,000	18,290	4.15	1
33633	4,003	0,000	18,920	4.15	1
33634	4,718	0,000	19,920	4.15	1
33635	5,285	0,000	20,950	4.15	1
33636	2,758	0,000	15,180	4.15	1
33637	2,915	0,000	15,710	4.15	1
33638	3,747	0,000	18,290	4.15	1
33639	4,050	0,000	18,920	4.15	1
33640	4,780	0,000	19,920	4.15	1
33641	5,332	0,000	20,950	4.15	1
33642	0,000	0,000	0,052	4.14, 4.15	1
33645	0,000	0,000	0,000	4.14	1
33646	0,000	0,000	0,000	4.15	1
33647	0,000	0,000	0,000	4.15	1
33648	0,381	0,205	0,810	4.15	1
33649	0,381	0,205	0,810	4.15	1
33650	0,000	0,000	0,000	4.15	1
33651	0,151	0,000	0,000	4.15	1
33652	0,000	0,000	0,000	4.15	3
33653	0,000	0,000	0,000	4.14	1
33700	0,602	0,000	1,780	4.9	1
33701	1,733	0,000	4,785	4.11	1
33702	1,733	0,000	4,785	4.11	1
33703	2,555	0,000	4,892	4.11	1
33704	0,530	0,000	1,570	4.9	1
33705	0,530	0,000	1,570	4.9	1
33706	1,733	0,000	4,785	4.11	1
33707	1,733	0,000	4,785	4.11	1
33708	2,555	0,000	4,892	4.11	1
33715	0,602	0,000	1,780	4.9	1
33716	1,733	0,000	4,785	4.11	1
33717	1,733	0,000	4,785	4.11	1
33718	2,555	0,000	4,892	4.11	1
33719	0,530	0,000	1,570	4.9	1
33720	0,626	0,000	4,420	4.9	1
33721	1,781	0,000	4,785	4.11	1
33722	1,781	0,000	4,785	4.11	1
33723	2,598	0,000	4,892	4.11	1
33724	0,554	0,000	4,210	4.9	1
33725	0,000	0,000	0,000	4.10	1
33726	0,000	0,000	0,000	4.10	1
33727	0,000	0,000	0,000	4.10	1
33728	0,405	0,000	0,000	4.10, 4.14	1
33731	6,837	0,000	12,774	4.11	1
33732	0,000	0,000	0,000	4.10, 4.14	1

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
33733	0,000	0,000	0,000	4.12, 4.15	1
33734	0,000	0,030	0,000	4.10, 4.14	3
33735	0,000	0,068	0,000	4.12	3
33736	0,000	0,068	0,000	4.12	3
33737	0,038	0,000	0,000	4.9	3
33738	0,051	0,000	0,000	4.11, 4.2	3
33739	0,003	0,000	0,000	4.9	3
33740	0,000	0,000	0,000	4.11, 4.2	3
33741	0,000	0,000	0,000	4.10, 4.14	1
33742	0,000	0,000	0,000	4.10, 4.14	1
33744	0,000	0,000	0,000	4.10, 4.14	1
33745	0,000	0,000	0,000	4.12	1
33746	0,000	0,000	0,000	4.12	1
33747	0,000	0,000	0,000	4.12	1
33748	0,000	0,000	0,000	4.12	1
33749	0,000	0,000	0,000	4.10	1
33750	0,000	0,000	0,000	4.10, 4.14	1
33751	0,000	0,000	0,000	4.10, 4.14	1
33752	0,000	0,000	0,000	4.10, 4.14	1
33753	0,000	0,000	0,000	4.10, 4.14	1
33754	0,000	0,000	0,000	4.10, 4.14	1
33755	0,000	0,000	0,000	4.10, 4.14	3
33758	0,000	0,000	0,000	4.10, 4.12, 4.14, 4.15	2
33759	0,000	0,000	0,000	4.12	6
33761	0,000	0,000	0,000	4.12	10
33762	1,340	0,001	1,520	4.12, 4.16, 4.2	1
33765	0,038	0,000	0,000	4.9	3
33766	0,000	0,000	0,000	4.10	1
33767	0,000	0,000	0,000	4.10	1
33768	0,000	0,000	0,000	4.12	1
33769	0,000	0,000	0,000	4.12	1
33770	0,606	0,000	1,772	4.9	1
33771	0,630	0,000	4,412	4.9	1
33772	0,606	0,000	1,772	4.9	1
33773	0,534	0,000	1,490	4.9	1
33774	0,558	0,000	4,130	4.9	1
33775	0,534	0,000	1,490	4.9	1
33780	0,000	0,000	0,000	4.16	1
33781	0,000	0,000	0,000	4.16	1
33782	0,000	0,000	0,000	4.16	1
33783	0,000	0,000	0,000	4.16	1
33784	0,000	0,000	0,000	4.16	1
33785	0,000	0,000	0,000	4.16	1
33786	0,000	0,000	0,000	4.16	1
33787	0,000	0,000	0,000	4.16	1
33788	0,000	0,000	0,000	4.16	1
33789	0,000	0,000	0,000	4.16	1
33790	0,000	0,000	0,000	4.16	1
33791	0,000	0,000	0,000	4.16	1
33906	0,434	0,000	0,000	6.14	4
33907	0,050	0,000	0,000	6.14	3
33908	0,000	0,000	0,056	3.28, 6.17	1
33909	0,012	0,084	0,074	3.24, 3.28, 6.14, 6.17	3
33910	0,000	0,000	0,000	3.28, 6.17	1
33911	0,000	0,000	0,000	3.28, 6.17	1
33912	0,000	0,000	0,000	3.28, 6.17	1
33913	0,000	0,000	0,000	3.28, 6.17	1
33914	0,090	0,044	0,000	3.28, 6.17	3

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
33915	0,000	0,002	0,000	3.22, 3.24, 3.28, 6.17	3
33916	0,000	0,000	0,000	3.22	3
33917	0,000	0,000	0,056	3.24, 6.16	1
33918	0,000	0,000	0,000	3.24, 6.16	3
33921	0,000	0,000	0,000	6.21	1
33922	0,000	0,000	0,000	6.21	1
33923	0,000	0,000	0,000	6.21	1
33924	0,000	0,000	0,000	6.21	1
33925	0,000	0,000	0,000	6.21	1
33926	0,000	0,000	0,000	6.21	1
33927	0,000	0,000	0,000	6.21	1
33928	0,000	0,000	0,000	6.21	1
33929	0,000	0,000	0,000	6.21	1
33930	0,000	0,000	0,000	6.21	1
33931	0,000	0,000	0,000	6.22	1
33932	0,000	0,000	0,000	6.22	1
33933	0,000	0,000	0,000	6.22	1
33934	0,000	0,000	0,000	6.22	1
33935	0,000	0,000	0,000	6.22	1
33936	0,000	0,000	0,000	6.22	1
33937	0,000	0,000	0,000	6.22	1
33938	0,000	0,000	0,000	6.22	1
33939	0,000	0,000	0,000	6.21	1
33940	0,000	0,000	0,000	6.21	1
33941	0,000	0,000	0,000	6.21	1
33942	0,000	0,000	0,000	6.21	1
33943	0,000	0,000	0,000	6.21	1
33944	0,000	0,000	0,000	6.21	1
33945	0,000	0,000	0,000	6.21	1
33946	0,000	0,000	0,000	6.21, 6.22	1
33947	0,000	0,000	0,000	6.21, 6.22	1
33954	0,000	0,000	0,000	6.23	1
33955	0,000	0,000	0,000	6.23	1
33956	0,000	0,000	0,000	6.23	1
33957	0,000	0,000	0,000	6.23	1
33958	0,000	0,000	0,000	6.23	1
33959	0,000	0,000	0,000	6.23	1
33960	0,000	0,000	0,000	6.23	1
33961	0,000	0,000	0,000	6.23	1
33962	0,000	0,000	0,000	6.23	1
33963	0,000	0,000	0,000	6.22	1
33964	0,000	0,000	0,000	6.22	1
33967	0,000	0,000	0,000	6.22	1
33968	0,000	0,000	0,000	6.22	1
33969	0,000	0,000	0,000	6.22	1
33970	0,000	0,000	0,000	6.21	1
33971	0,000	0,000	0,000	6.21	1
33972	0,000	0,000	0,000	6.21	1
33973	0,000	0,000	0,000	6.21	1
33974	0,000	0,000	0,000	6.21	1
35001	0,000	0,000	0,000	5.2	1
35004	12,570	0,000	0,000	5.1	1
35005	8,730	0,000	0,000	5.1	1
35006	8,644	0,000	0,000	5.1	1
35007	5,966	0,000	0,000	5.1	1
35008	0,000	0,000	0,000	5.2	2
35009	0,000	0,000	0,000	5.2	1
35015	13,921	0,000	0,000	5.1	1
35016	20,170	0,000	0,000	5.1	1
35017	0,000	0,000	0,000	5.2	4

Part no.	Amount of copper in kg	Amount of brass in kg	Amount of silver in g	Chapter. page	Pack size
36001	0,027	0,000	0,000	2.3	1
36003	0,028	0,000	0,000	3.10	1
36009	0,020	0,000	0,000	1.3	1
36100	0,023	0,004	0,000	6.1	1
36101	0,019	0,000	0,000	2.3	1
36102	0,019	0,000	0,000	3.16	1
36103	0,023	0,004	0,000	6.1	1
36104	0,019	0,000	0,000	2.3	1
36105	0,019	0,000	0,000	3.16	1
36106	0,022	0,005	0,000	6.1	1
36107	0,019	0,000	0,000	2.3	1
36108	0,019	0,000	0,000	3.16	1
36109	0,013	0,000	0,000	1.2, 2.3, 3.16, 6.1	1
36110	0,013	0,000	0,000	1.2, 2.3, 3.16, 6.1	1
36111	0,013	0,000	0,000	1.2, 2.3, 3.16, 6.1	1
36112	0,011	0,004	0,000	6.1	1
36113	0,007	0,000	0,000	2.3	1
36114	0,007	0,000	0,000	3.16	1
36152	0,025	0,000	0,000	2.3	1
36153	0,025	0,000	0,000	3.16	1
36154	0,013	0,000	0,000	1.2, 2.3, 3.16	1
36155	0,012	0,000	0,000	2.3	1
36156	0,012	0,000	0,000	3.16	1
36157	0,025	0,000	0,000	2.3	1
36158	0,025	0,000	0,000	3.16	1
36159	0,013	0,000	0,000	1.2, 2.3, 3.16	1
36200	0,000	0,000	0,000	1.1	1
36902	0,049	0,000	0,000	6.1	1
36903	0,062	0,000	0,000	6.1	1
36904	0,076	0,000	0,000	6.1	1
36916	0,000	0,000	0,000	1.2, 2.3, 3.16	1
36917	0,000	0,000	0,000	1.2, 2.3, 3.16	1
36918	0,000	0,000	0,000	1.2, 2.3, 3.16	1
78105	0,000	0,000	0,000	6.15	10
78139	0,000	0,000	0,000	6.15	10
78442	0,000	0,000	0,000	7.16	200
78443	0,000	0,000	0,000	7.16	200
78447	0,000	0,000	0,000	7.16	200
78463	0,000	0,000	0,000	2.1, 3.4	10
78893	0,000	0,000	0,000	6.15	10
79448	0,000	0,000	0,000	3.22, 4.10, 6.12	30
79449	0,000	0,000	0,000	3.22, 6.11, 6.12	30
79663	0,000	0,000	0,000	3.17, 3.18	10
79738	0,000	0,000	0,000	3.30	10
79811	0,000	0,000	0,000	3.22, 3.25, 6.15	1
79859	0,000	0,000	0,000	3.30	10

Terms of Delivery and Payment of Wöhner GmbH & Co. KG

I. General

1. Diverging and / or supplementary conditions of the Customer not expressly acknowledged by us in writing are not binding upon us, even if they are not expressly opposed by us.

2. Orders shall not be deemed as accepted but upon confirmation by us or delivery having been made.

II. Delivery

1. We aim high at complying as punctual as possible with the delivery dates confirmed by us. Should such compliance with the delivery time be impossible due to circumstances beyond our control, such as natural disasters, war, or measures of industrial action with us or our subcontractors, a reasonable extension of the delivery time sets in. Should such impediments continue to exist for more than 2 months, each contracting party is entitled to withdrawal.

2. Partial delivery is possible. With manufacture to Customer's specifications, delivery deviations of 10 % more / less are permissible. Wöhner reserves the right of modifications, especially of the given values, measures and weights, as well as of constructional modifications. Drawings are not binding.

3. In case of delay in delivery on our side and an additional period of time of reasonable length having been granted to us by the Customer, and with such period having been elapsed, the Customer may either withdraw from the Contract or inasmuch as he shows satisfactorily that he has suffered a loss by this – demand for each terminated week of such delay a compensation of 0,5 % but all in all not more than 5 % of the purchase price of such delayed delivery. Any further claims of the Customer in all cases of delayed delivery are excluded, even in case of expiration of an additional period of time that may have been granted to us. To claims for compensation apply also par. IX.1 pages 2 and 3 and IX.4.

4. Returns accepted by our firm upon prior agreement confirmed in writing are reimbursed with 90 % of the invoice value. Returns are not possible but within the first 14 days following delivery and in closed original packing. With returns, packing is not reimbursed. With returns of a total value of less than 250,- Euros a handling fee of 25,- Euros net is charged.

III. Prices, Dispatch, Liability for Damage to Goods in Transit

1. Accounting is done at the list prices, allowances, and terms valid on the day of delivery. Precious metal surcharges are charged separately according to the quotation of the day before the day the order is received. Our prices are based on a price of 200.- € per 100 kg of copper, 185.- € per 100 kg of brass and 180.- € per kg of silver.

2. All list and offer prices are net, without the statutory VAT, without packing and ex works. Orders under 100.- € are charged without any allowance. From 500.- € net on, Wöhner delivers "free domicile, packing extra" and from 1000.- € net on "free domicile, standard packing included". Insurance charges equaling 1 % of the net total price are also charged. Basis of these terms is a complete order and the taking of the goods in packing units. Special wishes of the Customer (e. g. delivery under an address other than that of the Customer, express delivery, special packing, commissioning of a particular forwarder) are taken into account as far as possible. The additional costs resulting therefrom are borne by the Customer.

3. Tool costs paid pro rata by the Customer create no entitlement to the tools, unless otherwise agreed by the parties. They remain the property of the firm of Wöhner. This applies also to the rights in exclusive developments.

4. With dispatch ex works and also in case of partial delivery, risk passes in any event to the Customer, even when in individual cases freight paid delivery was agreed. With the product being ready for dispatch and its dispatch or taking delivery of being delayed for reasons beyond our control, risk passes to the Customer at the moment of receipt of the advice of readiness for dispatch.

IV. Payments

1. On invoiced amounts received within 14 days upon the invoice date the Customer may deduct 2 % discount. Except for that our invoices are payable 30 days upon the invoice date without deduction, unless otherwise individually agreed.

2. According to the statutory regulations, the Customer is in default especially 30 days upon payment being due and receipt of an invoice or an equivalent list of accounts receivable. Payments shall be considered as being made on the day the amount is at our disposal. From the due date on, statutory default interest of 8 % above the basic interest rate is charged.

3. Dishonoured cheques or bills of exchange, suspension of payments, and petition in insolvency proceedings against the assets of the Customer make all our claims – also in case of respite – immediately become due.

4. The Customer may only set off such claims that are established uncontested or have become final and absolute.

V. Reservation of Title

1. We reserve full title in the products until payment in full of all accounts receivable under a current business relation.

2. The Customer is obliged to the careful handling of the products. The Customer is obliged to inform us immediately of any attachment of the products by third parties, e. g. in case of seizure, as well as of possible damages to or the destruction of the products. Any change in the possession of the products and the change of his own residence must immediately be communicated to us by the Customer.

3. With the Customer being in breach of contract, especially in case of delay in payment, we are entitled to withdraw from the Contract and to demand the return of the products.

4. The Customer is entitled to resell the products in the ordinary course of business. He already now assigns to us all claims to the size of our invoice amount that accrue to him against a third party through such reselling. We accept this assignment. Upon assignment the Customer is entitled to collect the sum due. We reserve the right to collect the sum due ourselves the moment the Customer does not properly comply with his financial obligations and is in default.

5. The processing and working up of the products by the Customer is always done in our name and on our behalf. Where the products are being worked up with objects not in our possession, we acquire co-ownership in the new article at the ratio of the value of the products delivered by us to the other worked up objects. The same applies when the products are mixed with other objects not in our possession.

VI. Duty to Examine and Notice of Defect

Has the Customer failed to give notice of defect according to § 377 sub-par. 1 HGB / German Commercial Code, which has to be sent in writing to our firm within 10 days upon receipt of the products, any recourse of the Customer is excluded, unless such defect is of a kind not recognisable at the time of the examination.

VII. Warranty

1. We warrant the faultlessness corresponding to the respective state of the art. Modifications in construction or design that do not impair neither the functionality nor the value of the product do not represent an imperfection.

2. For the condition of the product only the product description shall basically pass for being agreed on.

3. With the product being defective, of which notification in writing has to be made immediately by the Customer, we shall within a reasonable period of time remove such defect at no cost by our after-sales service or deliver a faultless article (= subsequent performance). We choose in each case under the aspect of reasonableness the adequate kind of subsequent performance. Should subsequent improvement or substitute delivery fail, the Customer may withdraw from the Contract or reduce the purchase price. In case of a substitute delivery or withdrawal we reserve ourselves the assertion of an adequate allowance for use. To claims for damages applies par. IX, any further claims of the customer are excluded.

4. All statutory and contractual claims of the Customer based on a defective product become statute-barred for new products after two years upon handing over. Removal of defects or new delivery is no new beginning of the limitation period. This does not apply where the law provides for periods of time exceeding two years, especially in case of § 479 BGB / German Civil Code (right of recourse). For claims for damages par. IX.3 is applicable.

5. Rights of recourse of the customer against the supplier under § 478 BGB / German Civil Code (recourse of the contractor) do not exist but in so far as the Customer and his buyer have not made any agreements that go beyond the legally fixed claims based on defects and when the article was resold in an unmodified state. Necessary expenses will not be refunded but with the Customer presenting a copy of the proof of purchase of the consumer, a description of defects, and evidence of the necessary expenses.

VIII. Industrial Property Rights / Copyrights

Orders according to drawings, drafts or other indications given to us are executed at Customer's risk regarding patent, industrial design, and trademark rights. Should the execution of such orders interfere with any third party's industrial property rights, the Customer accepts responsibility for any damage incurred to us by such interference.

IX. Other Liabilities

1. Any claims for damages by the Customer for whatsoever cause in law are excluded. This does not apply where obligatory liability is given, e. g. under the German product liability law, or in cases of intent, gross negligence, for personal injury or the breach of essential contractual obligations. Yet, indemnity for breach of essential contractual obligations is limited to a foreseeable contractually inherent damage, as far as it is not a case of intent or gross negligence or liability for personal injury is given.

2. Any other claims against us do not exist, especially no claims for damages and no rights of recourse for non-compliance with the instructions for use or the mounting instructions, or for misuse of the products. Claims for damages and rights of recourse do also not exist for damages arising out of in-expert installation, mounting or repair of our products, or for damages arising during transport after the passing of risk to the Customer. Any intruding action on the product, especially the changing of parts and / or modification of the original Wöhner product excludes liability.

3. Claims for damages for defects become statute-barred one year upon handing over of the product, except for the reproach of gross fault or fraudulent intent, or in case of injuries to health.

4. A reversal of the burden of proof to the prejudice of the Customer is not incidental to the above terms.

X. Place of Performance and Venue

1. Place of performance for all obligations under this contractual relationship is the registered office of Wöhner.

2. Place of venue is – with the Customer being merchant entered in the commercial register – at our choice Coburg or the seat of our respective locally responsible distribution company.

3. For these contractual relations the German Law is applicable to the exclusion of the United Nations Convention on Contracts for the International Sale of Goods (CISG).

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