

The original - GEKA® plus quick coupling

- Unrivalled and more than 100% better performance, use and safety as compared to any other GEKA® imitations.
- GEKA® plus means a GEKA® system that has been proven for decades - combined with the technology of the future. Plainly, the universal coupling of the GEKA® generation for the 21st century.

GEKA® idea

Connect water hoses with various dimensions and qualities in a fast and safe manner, and to separate them easily.

GEKA® family tree

Born in the KARASTO house and based on the then widely spread Giersberg coupling, the predecessor of today's fire extinguisher coupling - the Storz system.

GEKA® system

Two-claw quick coupling

- Sophisticated technology
- User-friendly handling
- Universal application
- High quality

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Ergonomically shaped claws

The ergonomically shaped claws offer high grip and easy coupling and de-coupling with only minimal effort.

Compatibility

Uniform claw distance with all GEKA® versions 40 mm.

Lock nubs

The optimised lock nubs guarantee highest possible safety and prevent self-loosening of the coupling halves, also in coupled pressure-less state.

„Intelligent“ high-performance shaped sealing ring

The seal ring optimally adapts to any present vacuum or sealing level as well as pressure variation, absorbs possible dangerous pressure surges and extremely increases the vacuum and pressure range.

Optimal wall thickness

Guarantees the required stability with high continuous loads.

Smooth and largest possible through-holes

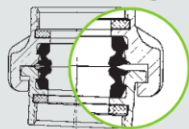
Guarantees good laminar flow and high flow speed.

Hose-protecting ribbed profile

The ribbed profile guarantees absolute tight hose fit with conventional clamps or professional mechanical and hydraulic ferrules.

Safety

Comparison of „tilting moment“



GEKA® plus approx. 2°



Third-party product approx. 4°

„Tilting moment“ decreased by approx. 100% as compared with the common claw couplings according to system GEKA®:

Significantly improves the stability of the longitudinal axis and simultaneously increases safety when being coupled.

„Claw tensile load“



GEKA® plus

approx.
1900 kg

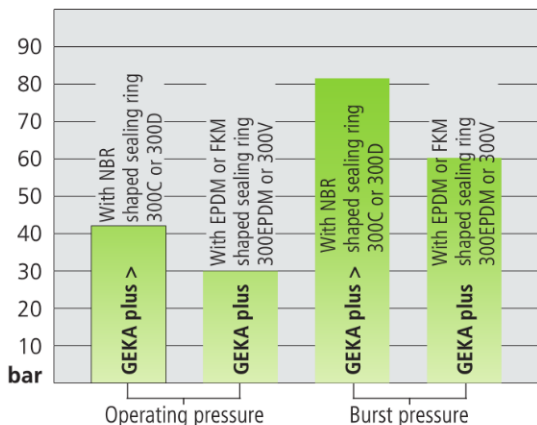
The original - GEKA® plus quick coupling

Pressure

Pressure resistance

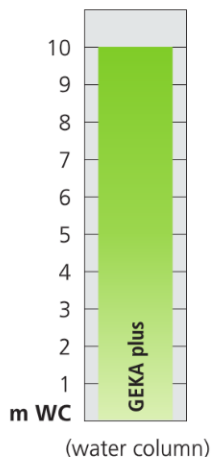
GEKA® plus - advantage:

Pressure range increased by more than 100% as well as optimal safety margin as compared with the common claw couplings according to system GEKA®.



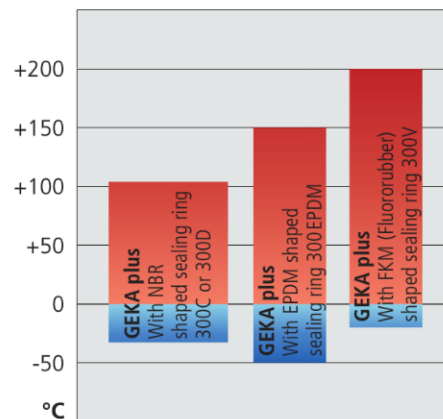
Vacuum

Vacuum resistance



Heat and coldness

Temperature range of application



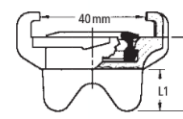
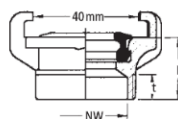
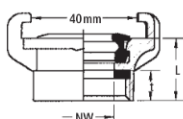
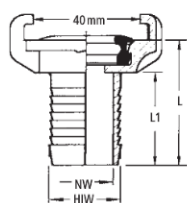
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Multitude of applications

For safe, easy and fast coupling, for extension of flexible hose lines and systems: water hoses, drinking water hoses (with approval as per D2 and long-term test result DVGW W270), industrial hoses, suction and pressure hoses. For sizes 3/8" – 10mm inner width to 1 1/2" – 38mm inner width.

Also suitable for rigid piping and pipe systems: metal and plastic pipes, with thread sizes G 1/4" to G 1 1/2", female and male.

Also perfectly suitable as connection fittings for various industrial goods: machines, devices, apparatuses, units, tools, vehicles, pumps.



Size	HIW	NW	L	L1
3/8"	10	7.5	40	28
1/2"	13	10	40	28
5/8"	16	13.5	44	32
3/4"	19	17	44	32
1"	25	21.5	50	37
1 1/4"	32	28	60	48
1 1/2"	38	34	63	48

Thread	NW	L	t
FT G 1/4"	11	21	9.5
FT G 3/8"	11	21	9.5
FT G 1/2"	14	21	9.5
FT G 3/4"	19	22	10.5
FT G 1"	23	23	11
FT G 1 1/4"	23	28	13.5
FT G 1 1/2"	23	29	14

Thread	NW	L	t
MT G 1/4"	8	22	8
MT G 3/8"	11.5	22	8
MT G 1/2"	15	22	8
MT G 3/4"	20	22	8
MT G 1"	23	22	8
MT G 1 1/4"	23	26	13
MT G 1 1/2"	23	26	13

L	L1
27	15



The original - GEKA® plus quick coupling

Always compatible

The uniform claw distance of 40 mm is a convincing functional feature that has not been changed since the invention of our quick coupling.

For users this means: All products of the product range can be combined with each other and for a multitude of applications!



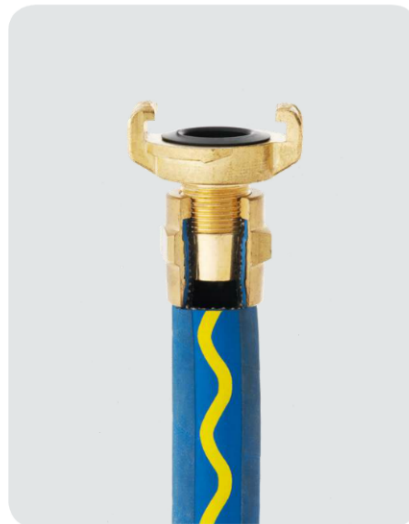
10 mm inner width
for minimum hose size 3/8"



38 mm inner width
for maximum hose size 1 1/2"

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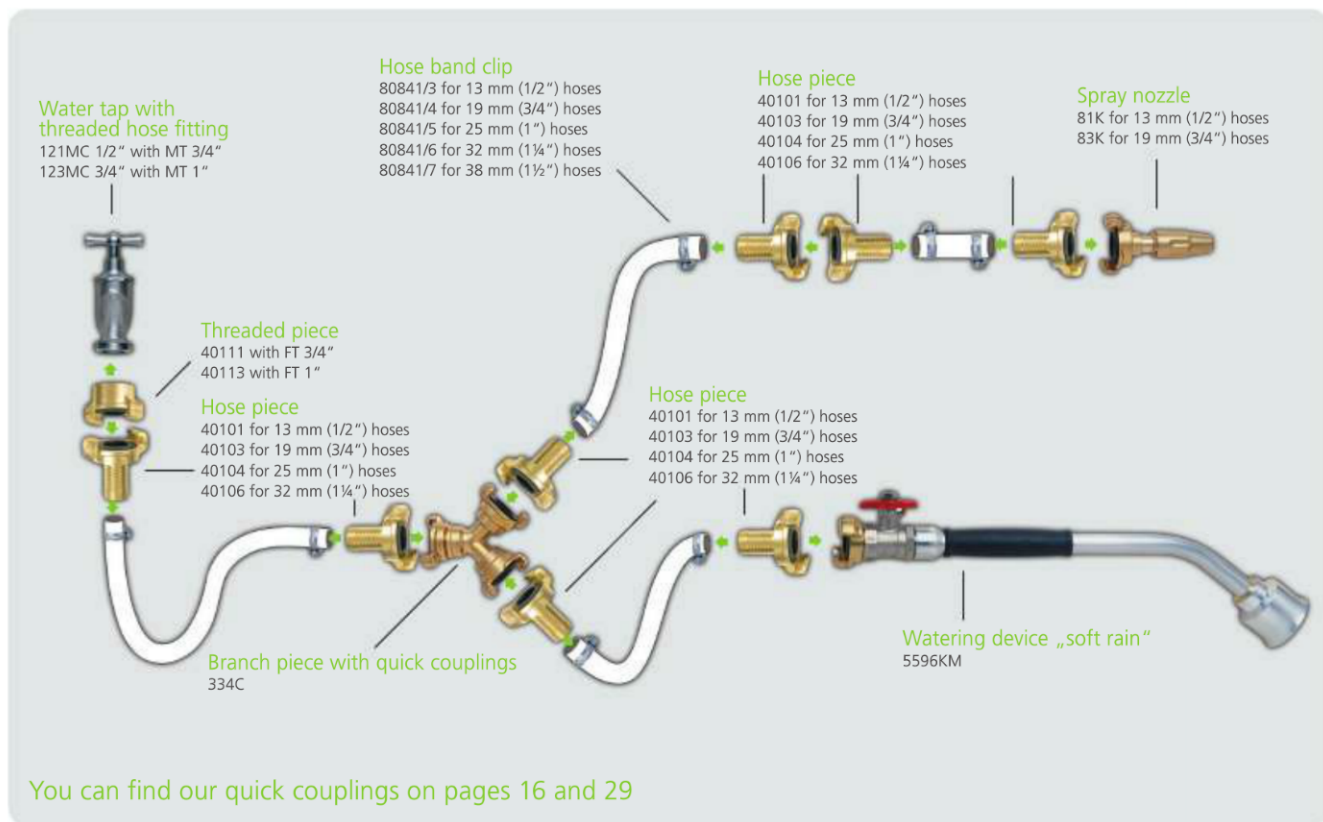
GEKA® elements always fit with each other



GEKA® - the safe connection!

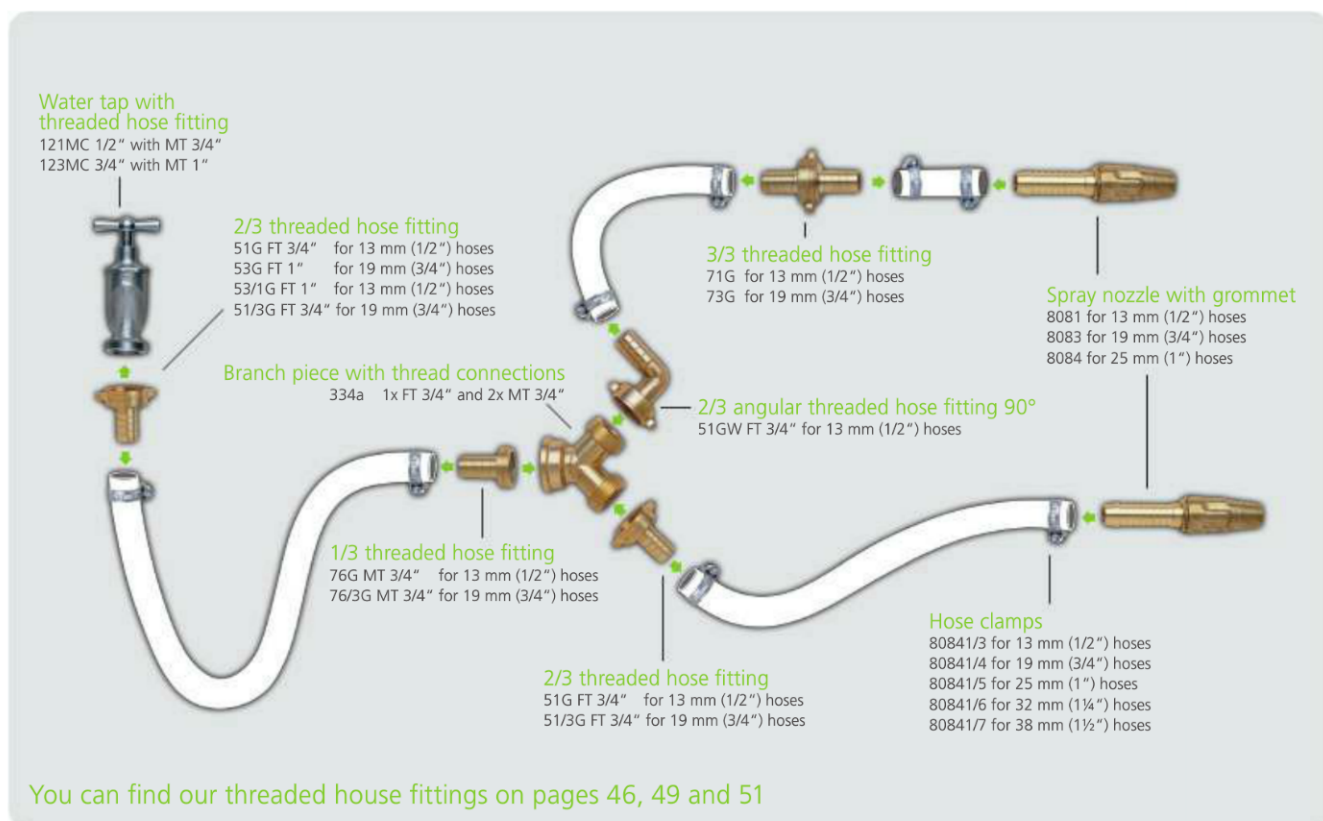
Planning aid for your optimal garden watering

GEKA® plus quick couplings - the art of easy coupling!



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GEKA® threaded hose fittings - the art of quick coupling!



- Advantage / benefit:..... **Operating pressure up to max. 40 bar, corresponds to more than double the operating pressure in comparison with the common claw couplings according to system GEKA®**
- Material:..... Brass CW617N, DIN 17660
- Claw distance:..... Uniformly 40 mm. Combinations with each other possible compatible with all other GEKA® versions
- Vacuum resistance:..... Up to 10 m water column (WC)
- Temperature range:..... Approx. -5 °C to +100 °C (depending on the quality of the sealing ring)
- Sealing:..... Standard with **GEKA® plus high-performance shaped sealing rings form 300 NBR (300C), patented**, temperature range from approx. -10 °C to +90 °C
- Options:..... Upon request GEKA® plus high-performance shaped sealing rings form 300, patented, in the qualities EPDM (300EPDM) and FKM (Fluororubber) according to DIN ISO 1629 (300V) as well as dirt strainers available for self-assembly
- Area of application:..... For water, industrial, suction and pressure hoses

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The original



GEKA® plus hose pieces

Grommet with striking and hose protecting ribbed thread guarantees fixed hose fit. For integration of clamp and ferrule

Hose IW mm	10	13	16	19	25	32	38
Hose size	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"
PU units	10	10	10	10	10	10	10
Covering box units	240	220	200	180	160	100	80
Catalogue no.	40100	40101	40102	40103	40104	40106	40107
EDV no.	04.0100	04.0101	04.0102	04.0103	04.0104	04.0106	04.0107

The original



GEKA® plus threaded parts with female thread

Flat seal ring NBR at the threaded side

Female thread mm	11.89	15.39	19.17	24.66	30.93	39.59	45.48
Female thread	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"	G 1 1/4"	G 1 1/2"
PU units	10	10	10	10	10	10	10
Covering box units	240	150	240	240	200	140	120
Catalogue no.	40108	40109	40110	40111	40113	40114	40116
EDV no.	04.1108	04.1109	04.1110	04.1111	04.1113	04.1114	04.1116

The original



GEKA® plus threaded parts with male thread

Male thread mm	13.16	16.66	20.95	26.44	33.25	41.91	47.80
Male thread	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"	G 1 1/4"	G 1 1/2"
PU units	10	10	10	10	10	10	10
Covering box units	170	240	240	240	220	140	160
Catalogue no.	40119	40109A	40110A	40111A	40113A	40114A	40116A
EDV no.	04.2119	04.2109	04.2110	04.2111	04.2113	04.2114	04.2116

The original



GEKA® plus dummy coupling

With bore for fixing of little chains

PU units	10
Covering box units	240
Catalogue no.	40118
EDV no.	04.3118

GEKA® plus little chain

Material:..... Steel galvanised

For all GEKA® plus dummy couplings with bore



Length approx. mm	270
PU units	25
Catalogue no.	6620
EDV no.	61.6620

GEKA® quick couplings

Material:.....Brass CW617N
 Claw distance:.....Uniformly 40 mm. Combinations with each other and all GEKA® plus versions possible
 Operating pressure:.....**Max. 10 bar**
 Temperature range:.....Approx. -5 °C to +100 °C (depending on the quality of the sealing ring)
 Sealing:Standard with GEKA® high-performance shaped sealing rings form 200 NBR (80200C), temperature range from approx. -10 °C to +90 °C
 Options:Upon request GEKA® high-performance shaped sealing rings with the qualities NBR form 120 (120AC), FKM (Fluororubber) according to DIN ISO 1629 form 200 (200V) as well as dirt strainers, available for self-assembly

GEKA® hose pieces

Grommet with raised end rib and hose protecting ribbed thread

Hose IW mm	10	13	16	19	25	32	38
Hose size	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"
PU units	10	10	10	10	10	10	10
Covering box units	210	200	180	160	130	90	70
Catalogue no.	80100	80101	80102	80103	80104	80106	80107
EDV no.	08.0100	08.0101	08.0102	08.0103	08.0104	08.0106	08.0107



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GEKA® threaded parts with female thread

Flat seal ring NBR at the threaded side

Female thread mm	11,89	15,39	19,17	24,66	30,93	39,59	45,48
Female thread	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"	G 1 1/4"	G 1 1/2"
PU units	10	10	10	10	10	10	10
Covering box units	240	230	210	200	170	120	120
Catalogue no.	80108	80109	80110	80111	80113	80114	80116
EDV no.	08.1108	08.1109	08.1110	08.1111	08.1113	08.1114	08.1116



GEKA® threaded parts with male thread

Male thread mm	13,16	16,66	20,95	26,44	33,25	41,91	47,80
Male thread	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"	G 1 1/4"	G 1 1/2"
PU units	10	10	10	10	10	10	10
Covering box units	240	230	220	230	190	170	140
Catalogue no.	80119	80109A	80110A	80111A	80113A	80114A	80116A
EDV no.	08.2119	08.2109	08.2110	08.2111	08.2113	08.2114	08.2116



GEKA® dummy coupling

With bore for fixing of little chains

PU units	10
Covering box units	230
Catalogue no.	80118
EDV no.	08.3118

