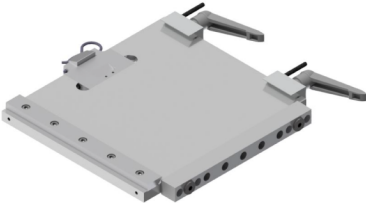
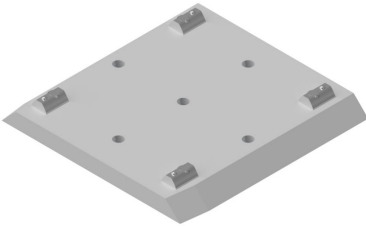
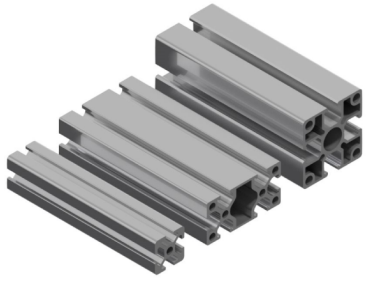
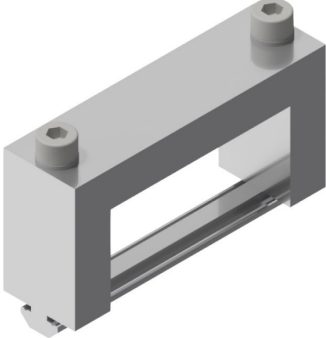
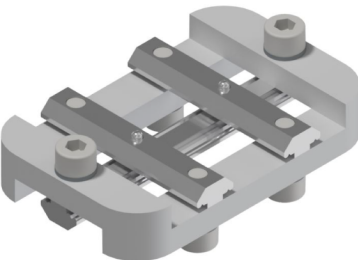
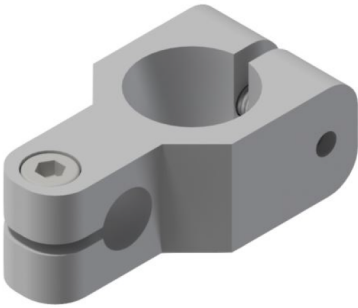
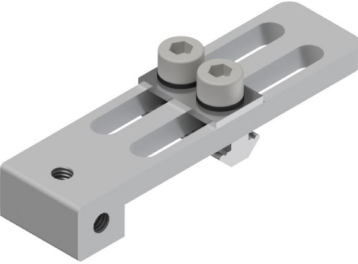
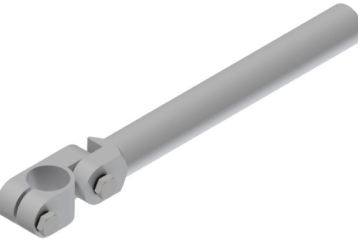
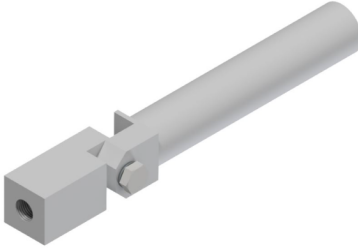
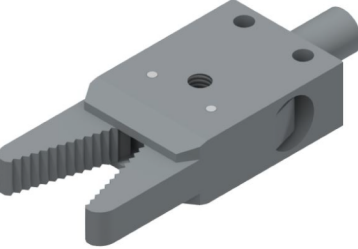
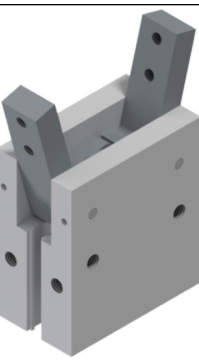
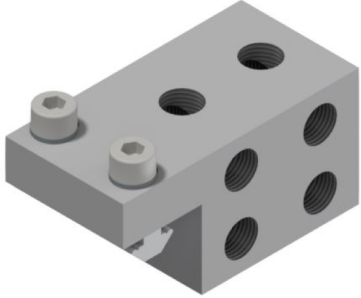


		Typische Anwendungsfälle	Typical use cases	Seite Page
Adapterplatten Adapter plates		Verbindet Roboter mit Greifereinheiten. - Schnelles Tauschen von Greiferelementen am Roboter - Minimierung der Rüstzeiten - Adapterplatte zur roboterseitigen Montage - Standardisierte quadratische Bauform für manuellen Werkzeugwechsel	Connects robots with gripper units. - Fast exchange of gripper units on robots - Minimizing set-up times. - Adapter plate for robot-side mounting - Standardized square design for manual tool change	6
Grundplatten Base Plates		Verbindet Roboter mit Greifereinheiten. - Schnelles Tauschen von Greiferelementen an Robotern. - Grundplatte zur greiferseitigen Montage. - Standardisierte quadratische Bauform für manuellen Werkzeugwechsel	Connects robots with gripper units. - Fast exchange of gripper units on robots - Minimization of set-up times of grippers on robot arms - Base plate plate for gripper-side mounting - Standardized square design for manual tool change	8
Schnellwechselsysteme - Rund Quick Changers - Round		Verbindet Roboter und Greiferseite miteinander. - Schnelles Tauschen von Greiferelementen - Schnellwechselsystem rund zur roboterseitigen und greiferseitigen Montage in standardisierter, runder Bauform für manuellen, schnellen Werkzeugwechsel - Mit Druckluft-/Vakuumanschlüssen	Connects robots with gripper units. - Minimizing set-up times by quickly exchanging gripper units on robots. - Quick changer round for robot-side and gripper-side mounting in standardized round design for quick manual tool change. - With connections for compressed air and vacuum	10
Montageplatten Mounting Plates		Montageplatten dienen zur Montage der runden Schnellwechselsysteme auf der Greiferseite. Sie bilden das Verbindungselement (Interface) zum Greifer mittels Nutensteinen auf Aluminiumprofile.	Mounting plates are used to connect the round quick-change systems on the gripper side. They form the connecting element (interface) to the gripper by means of channel nuts to the aluminium profiles.	14
Profile Connectors		Zur Konstruktion fester und starrer Tragwerke, z.B. im Greiferbau für Roboter oder Handlings.	For the construction of rigid frames, e.g. in the gripper constructions for roboter arms or handling systems.	15

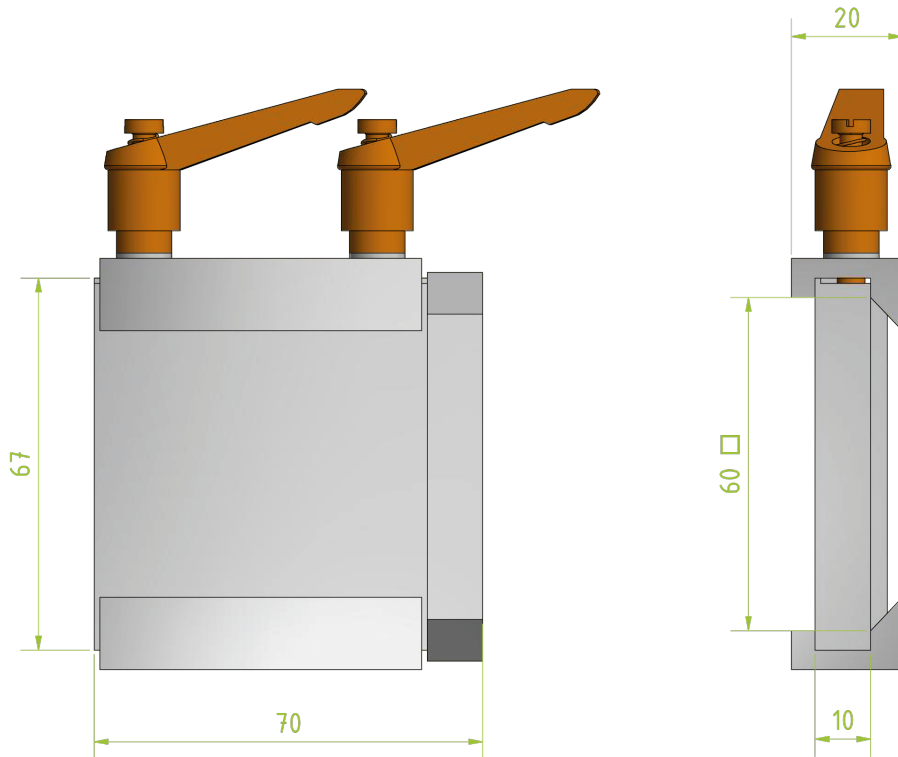
Kreuzverbindungen Cross Connectors		Kreuzverbinder verbinden zwei Aluminiumprofile im rechten Winkel (gekreuzt über- bzw. untereinander) miteinander als Brückenklammstück.	Cross connectors connect two aluminum profiles at right angles to each other (fastened crossed over or below in a right angle) as a bridge clamping piece.	18
Kreuzplatten Cross Joint Connectors		Kreuzplatten verbinden zwei Aluminiumprofile direkt (gekreuzt über- bzw. untereinander) im rechten Winkel miteinander.	Cross connectors connect two aluminum profiles at right angles direct (mounted crossed over or below in a right angle) to each other.	19
Winkelverbinder Angle Connectors		Winkelverbinder verbinden zwei Aluminiumprofile im rechten Winkel und in einer Ebene miteinander. Mit Kreuzverbindern können somit auch Profile stirnseitig montiert werden.	Angle connectors connect two aluminum profiles at right angles and in one plane. In this way profiles also can be mounted with cross connectors on the front side in this way.	20
Nutensteine Channel Nuts		Nutensteine stellen die direkte Verbindung von Verbindungselementen zum Werkzeug oder Greiferprofil her. Die Kraftübertragung geschieht durch Klemmen mittels Schrauben.	Channel nuts attach connection elements to the gripper tools or profiles. The power is transmitted by clamping with screws.	22
Winkelklammstücke Angle Clamps		Zum Aufbau eines Greifers. An ihnen können EOAT-Komponenten wie Greifzangen, Greiffinger, Gelenk- und Winkelarme, Saugfinger, Federstößel oder Verlängerungen befestigt werden. Auch als im Winkel verstellbare Version erhältlich.	To built a gripper. Angle clamps allow the construction of a robot gripper or handling. EOAT components such as grippers, gripper fingers, angle arms and joints, suction fingers, spring levelers or extensions can be attached to them parallel or perpendicular to the aluminium profile.	24

Kreuzklemmstücke <i>Cross Clamps</i>		Diese Elemente ermöglichen die seitliche, rechtwinklige Montage von Greiferkomponenten mit rundem Schaft, die damit beliebig längs der T-Nut verschoben werden können.	These elements allow the lateral, right-angled assembly of gripper components with round shank, which can be moved along the T-slot as desired.	27
Winkelverschraubung <i>Angle Connectors</i>		Dieses Befestigungselement erlaubt eine direkte Befestigung von Vakuumsaugern am Profil. Damit können die Sauger beliebig positioniert werden.	This fastener allows direct attachment of vacuum cups on the profile. This allows the suction cups to be positioned as desired.	28
Winkelarme <i>Angle Arms</i>		Dienen bei der Montage von EOATs als Verlängerung. Dabei können die EOATs verdrehbar justiert werden.	Are used for mounting EOATs as an extension. The EOATs can be adjusted rotatably.	31
Gelenkwinkelarm <i>Joint Angle Arms</i>		Dienen bei der Montage von EOATs als Verlängerung. Dabei können die EOATs verdrehbar justiert werden. Die zusätzlich schwenkbare Ausführung erlaubt eine genaue Positionierung von Greiffingern und Greifzangen.	Angle arms are used to extend and assemble EOAT components and allows a rotation. The additional swiveling design allows precise positioning of gripper fingers and grippers.	32
Saugfinger <i>Suction Fingers</i>		Saugfinger dienen bei der Montage von Vakuumsaugern als Verlängerung an Greifern. Die gefederte Ausführung (mit oder ohne Verdrehsicherung) sorgt für ein sanftes Aufsetzen auf das Produkt.	Suction fingers serve as an extension on grippers when mounting vacuum cups. The spring-loaded version (with or without anti-rotation lock) ensures a gentle touch on the product.	34

Gelenksaugfinger <i>Joint Suction Fingers</i>		Zusätzlich schwenkbare Saugfinger. In starrer, gefederter (mit oder ohne Verdrehsicherung) oder schwenkbarer Ausführung. Darunter sind auch Kombinationen erhältlich.	Additional Swiveling design. Available in rigid, spring-loaded (with and without anti-rotation) or swiveling design. Amongst them, combinations are also available.	37
Greifzangen <i>Sprue Grippers</i>		Greifer zur Montage, zum Transportieren, Positionieren, Zusammenhalten oder zum Halten von Angüssen. Viele Anwendungsmöglichkeiten durch verschiedene Backenformen (auch mit Beschichtungen) oder mit Sensorabfrage.	Gripper for mounting, transporting, positioning, holding together or sprue gripping. Many application possibilities due to different jaw shapes (also with coatings) or sensor inquiry.	39
Parallelgreifer <i>Parallel Grippers</i>		Greifer für präzises und sicheres Greifen. Doppeltwirkende Funktionsweise ermöglicht neben seiner Außen-Greiffunktion auch eine Innen-Greiffunktion zur Entnahme oder Bestückung von Hohlteilen	Gripper ensures a precise and secure gripping. In addition to its external gripping function, the double-acting function also enables an internal gripping function for removing or fitting hollow parts.	47
Greiffinger <i>Gripper Fingers</i>		Speziell für das Hintergreifen, sichere Festhalten und Positionieren von Produkten bieten Greiffinger eine platzsparende, alternative Lösung ohne Greifzangen einsetzen zu müssen.	Especially for gripping behind and secure holding and positioning of products, gripper fingers offer a space-saving alternative solution without having to use gripper tongs.	50
Winkelgreifer <i>Angular Grippers</i>		Zum Greifen von Produkten mit höherem Kräfteaufwand. Ermöglicht einen größeren Hub aber auch einen engeren Zugriff. Doppeltwirkende, selbstzentrierende Backen für präzises Greifen.	For gripping products with higher forces. Enables a larger stroke but also a closer gripping. Double-acting, self-centering jaws for precise gripping.	54

Verlängerungsröhre <i>extension-tubes</i>		Zur Verlängerung von Greiffingern, Greifzangen, Zentrierbolzen, Abstandshaltern etc.	For extension for gripper fingers, gripper bars, centering bolts, adjustment rods etc.	55
Luft- und Vakuumverteiler <i>Air and Vacuum Manifolds</i>		Zur zentralen Versorgung mit Druckluft oder Vakuum.	For central supply with compressed air or vacuum.	56

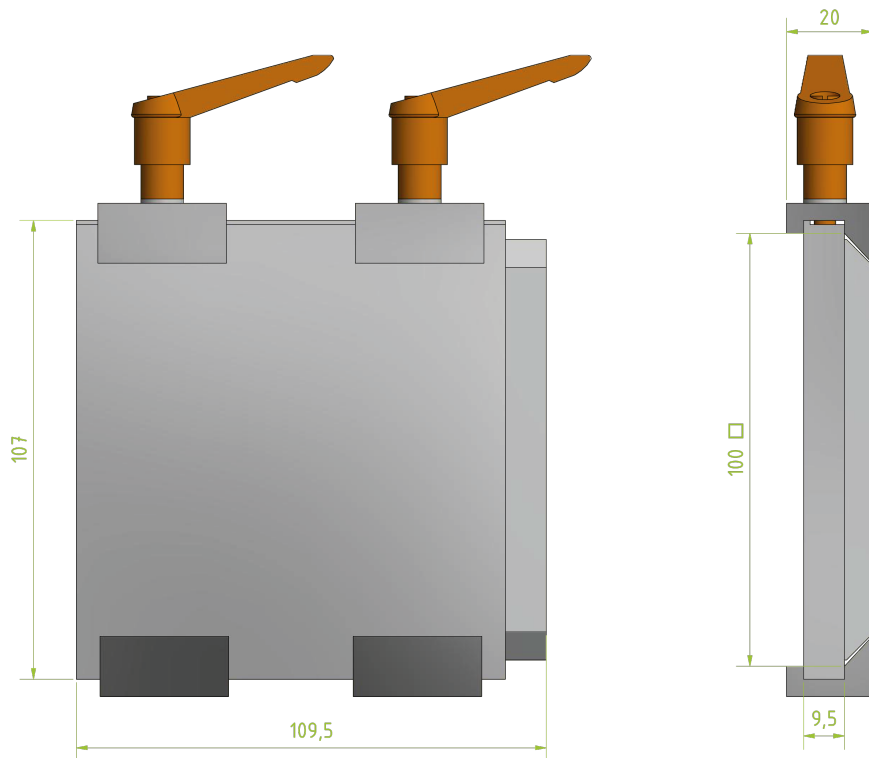
GK.01.002.OK



Zubehör

GK.01.003.OB
GK.01.003.ON
GK.01.003

GK.01.005.OK

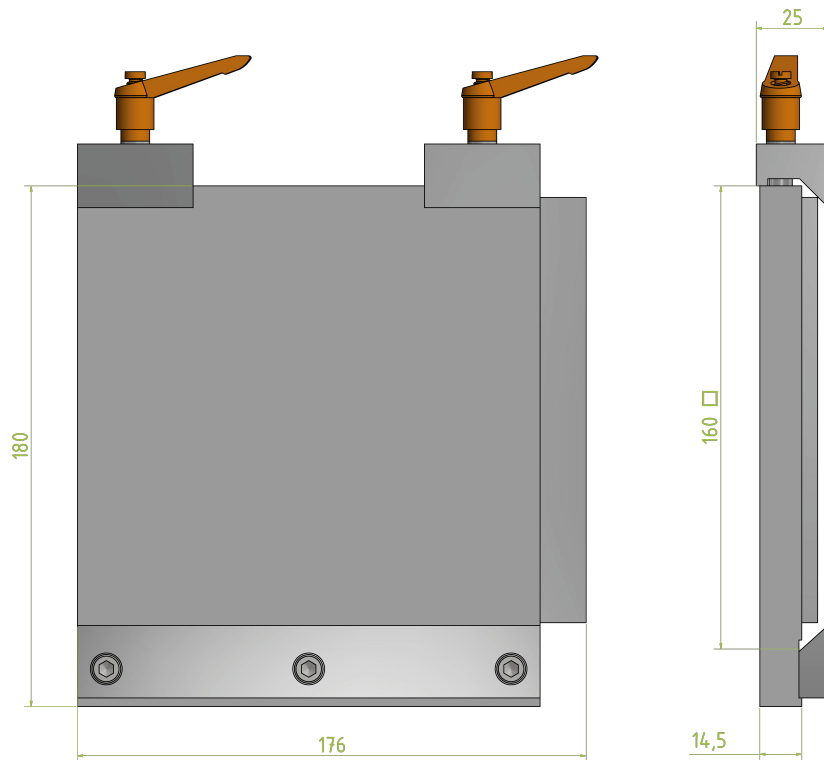


Zubehör

GK.01.003.OB
GK.01.003.ON
GK.01.003

Alle Maßangaben in Millimeter | All measurements are in millimeters

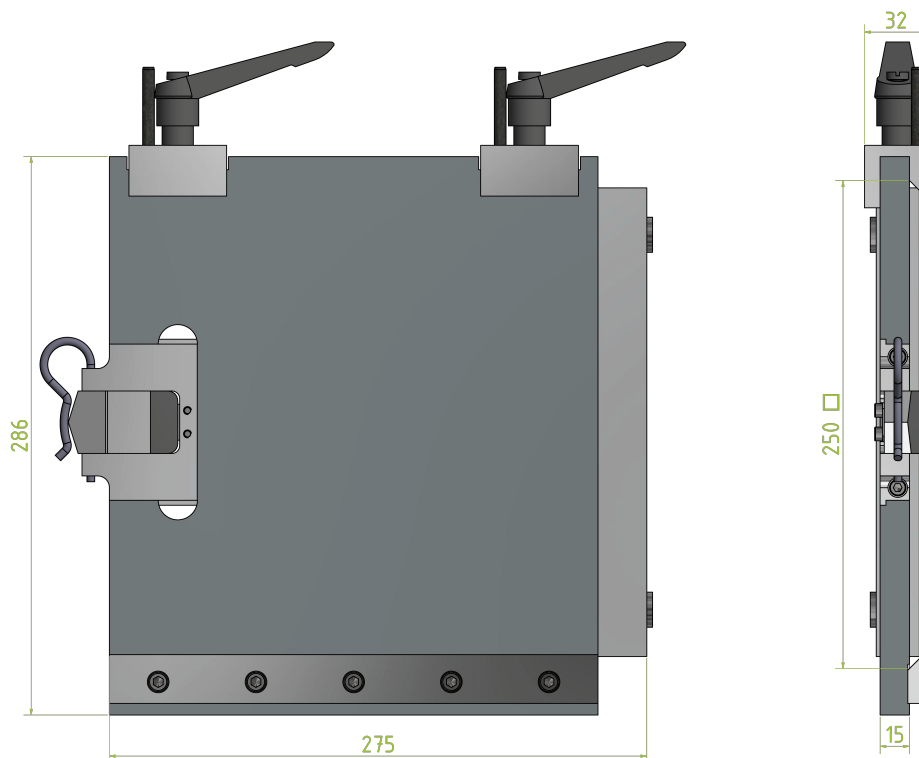
GK.01.008.OK



Zubehör

GK.01.009.OB
GK.01.009.ON
GK.01.009

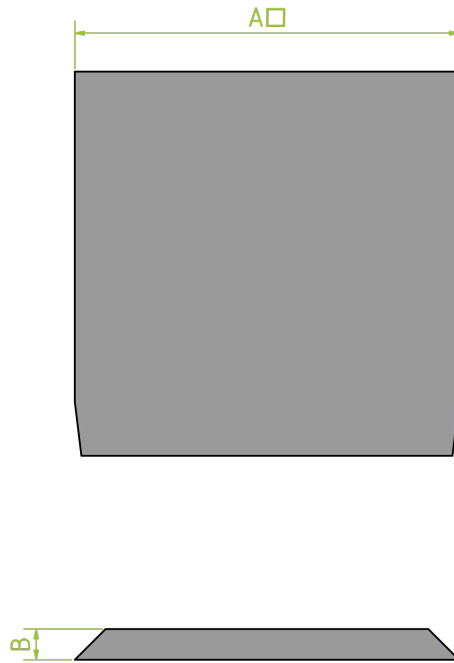
GK.01.011



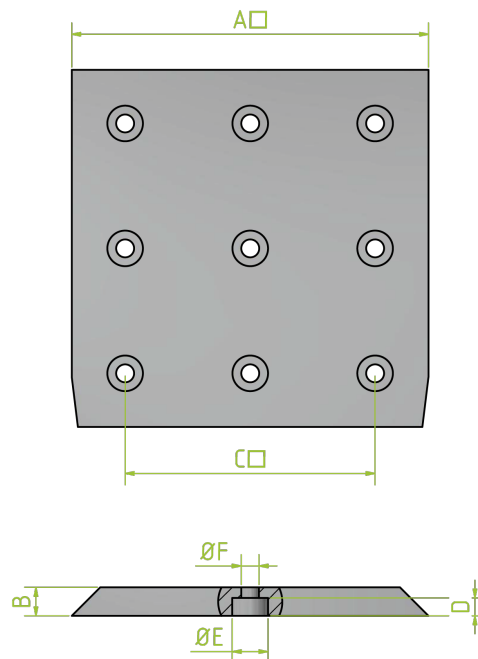
Zubehör

GK.01.012

Alle Maßangaben in Millimeter | All measurements are in millimeters

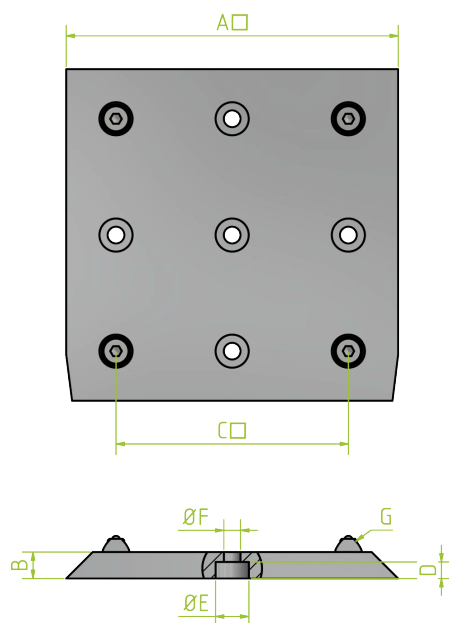


Artikel-Nr.	A	B	Zubehör
GK.01.003.OB	60.0	8.0	GK.01.002.OK
GK.01.006.OB	100.0	8.0	GK.01.005.OK
GK.01.009.OB	160.0	10.0	GK.01.008.OK

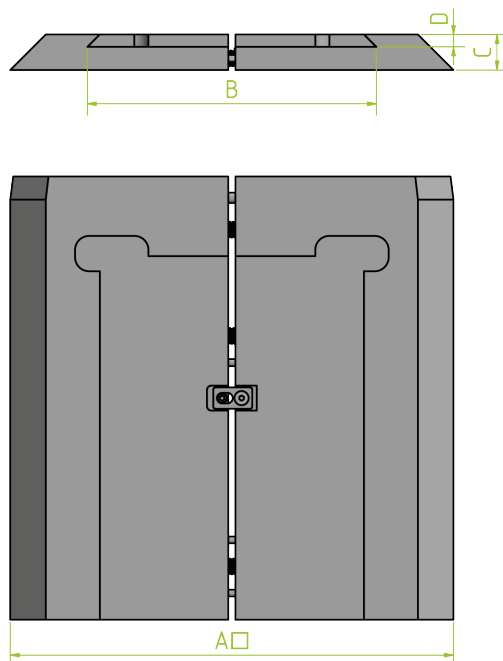


Artikel-Nr.	A	B	C	D	E	F	Zubehör
GK.01.003.ON	60.0	8.0	35.0	5.0	10.0	5.5	GK.01.002.OK
GK.01.006.ON	100.0	8.0	70.0	5.0	10.0	5.5	GK.01.005.OK
GK.01.009.ON	160.0	10.0	120.0	5.5	10.0	5.5	GK.01.008.OK

Alle Maßangaben in Millimeter | All measurements are in millimeters



Artikel-Nr.	A	B	C	D	E	F	G	Zubehör
GK.01.003	60.0	8.0	35.0	5.0	10.0	5.5	M5.0	GK.01.002.OK
GK.01.006	100.0	8.0	70.0	5.0	10.0	5.5	M5.0	GK.01.005.OK
GK.01.009	160.0	10.0	120.0	5.5	10.0	5.5	M5.0	GK.01.008.OK
GK.01.012	250.0	10.0	200.0	5.0	10.0	5.5	M5.0	

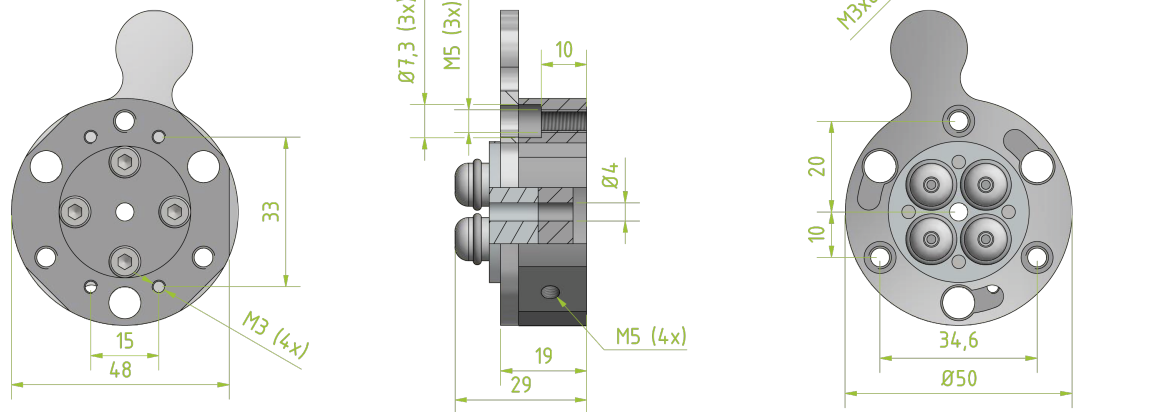


Artikel-Nr.	A	B	C	D
GK.01.030	250.0	160.0	20.0	7.0
GK.01.031	160.0	100.0	15.0	6.0
GK.01.032	100.0	60.0	15.0	5.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

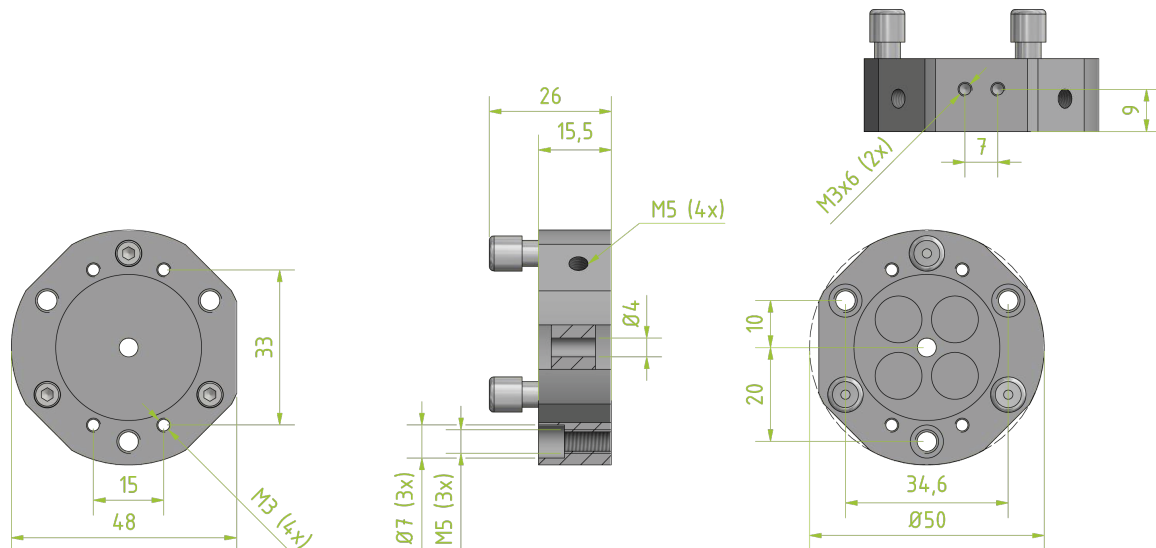
GK.01.014.R

Zubehör



GK.01.014.G

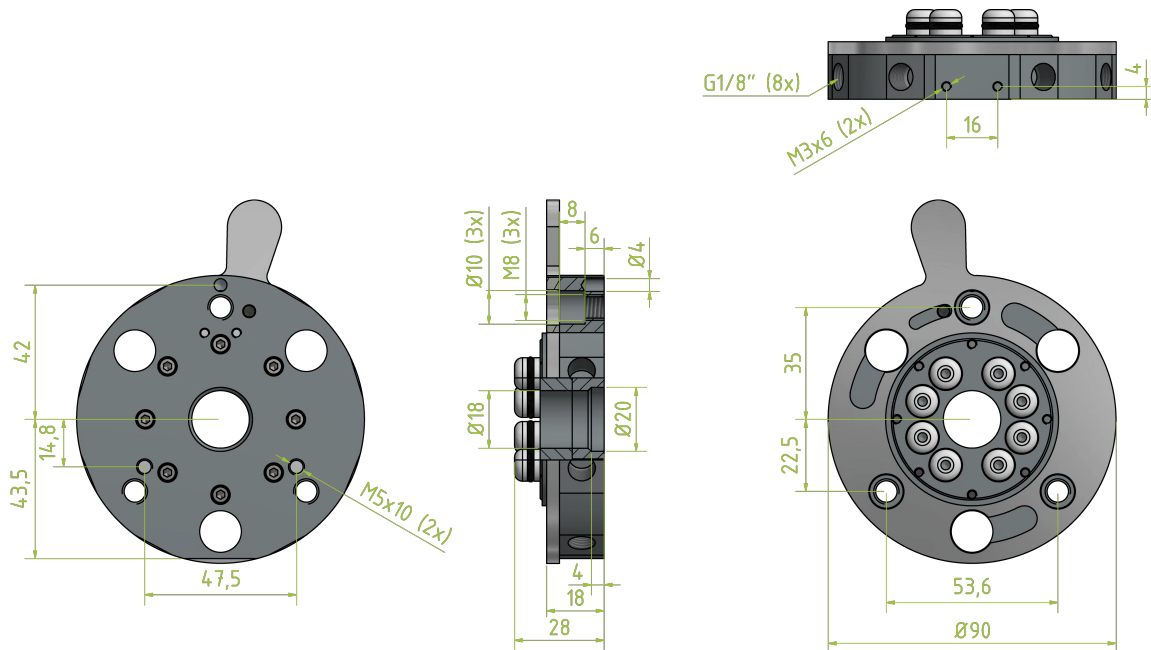
Zubehör



Alle Maßangaben in Millimeter | All measurements are in millimeters

GK.01.015.R

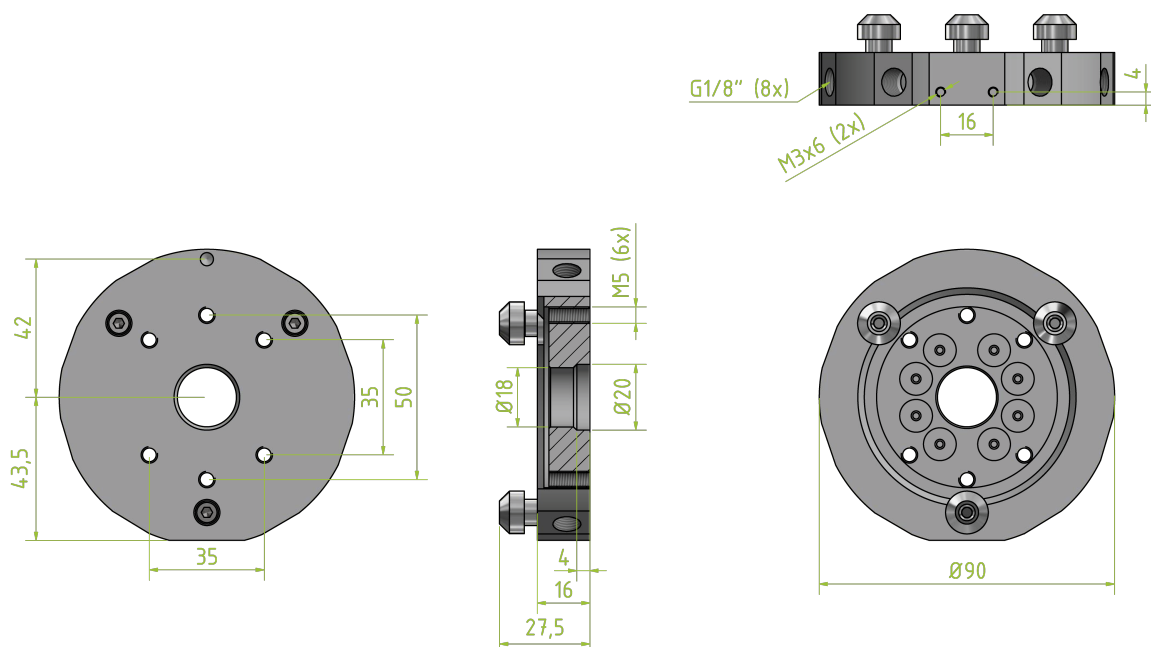
Zubehör



GK.01.015.G

Zubehör

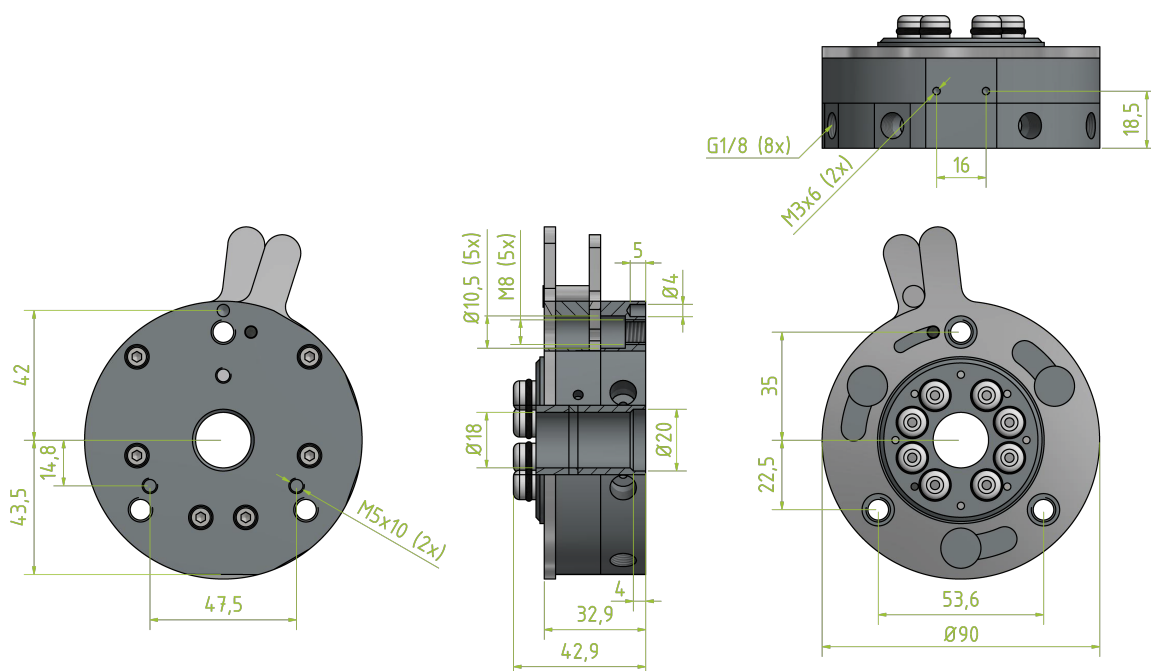
SWR.90G.M
SWR.90G.M-S



Alle Maßangaben in Millimeter | All measurements are in millimeters

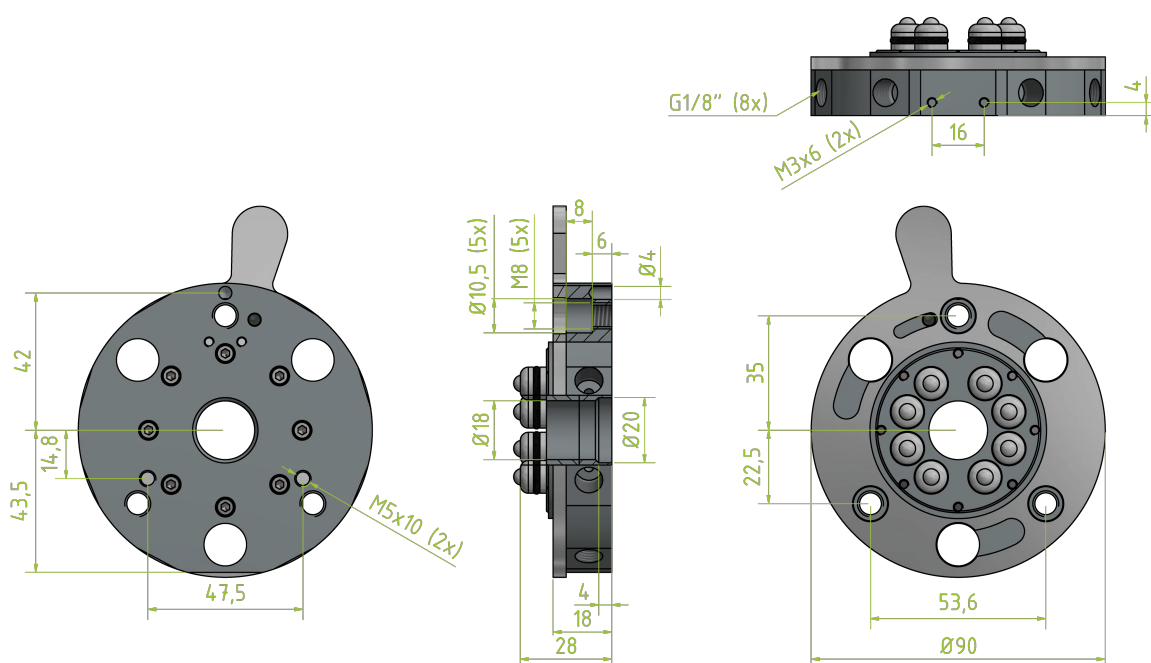
GK.01.015.R-LSV

Zubehör



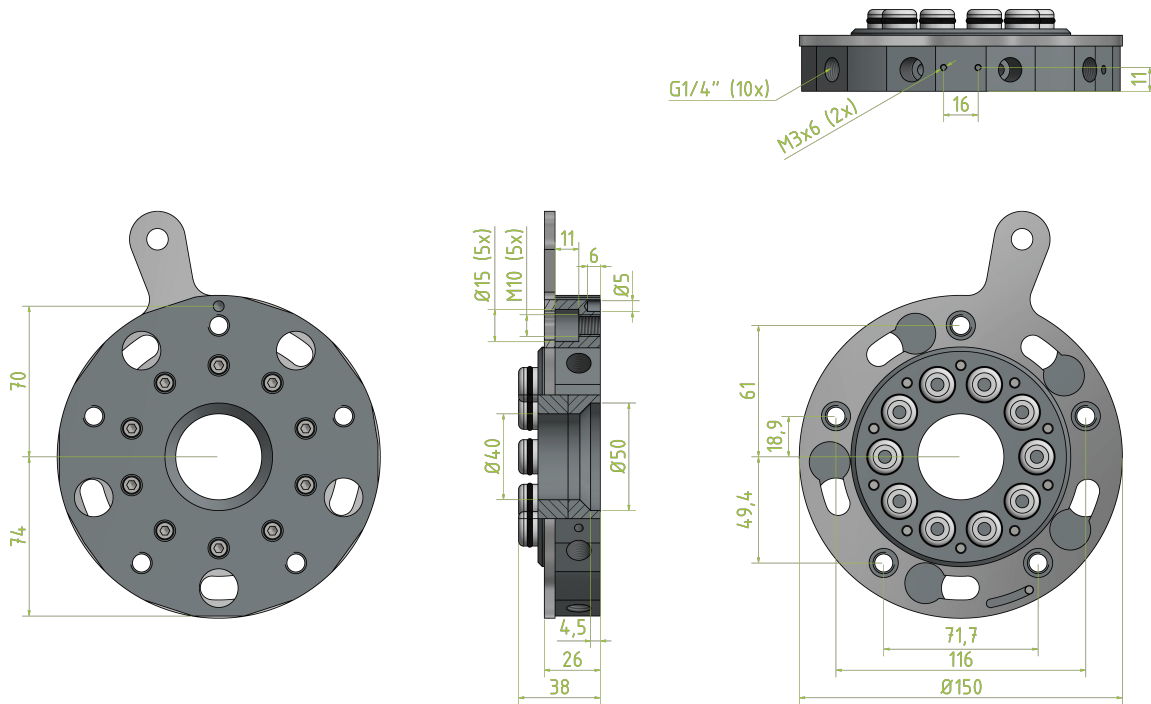
GK.01.015.R-SV

Zubehör



Alle Maßangaben in Millimeter | All measurements are in millimeters

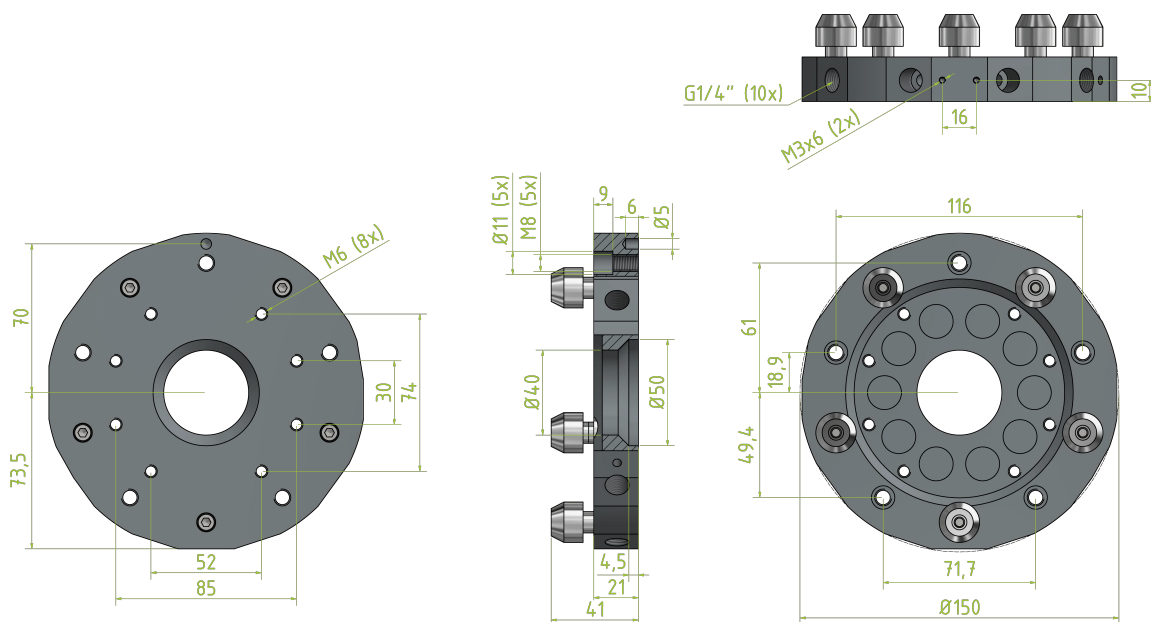
GK.01.016.R



Zubehör

—

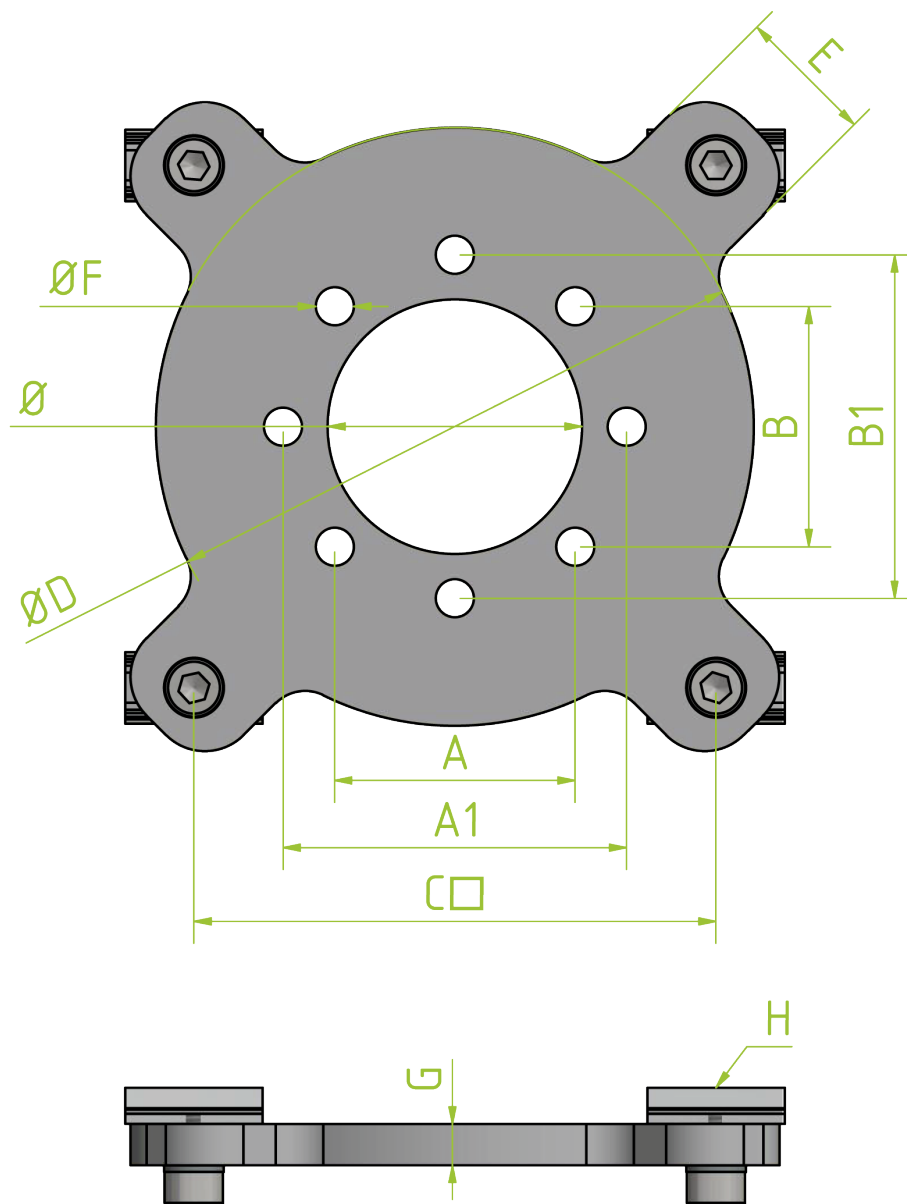
GK.01.016.G



Zubehör

SWR.150G.M

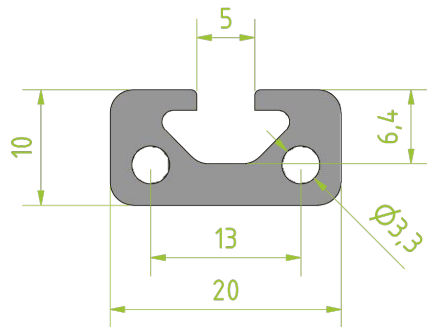
Alle Maßangaben in Millimeter | All measurements are in millimeters



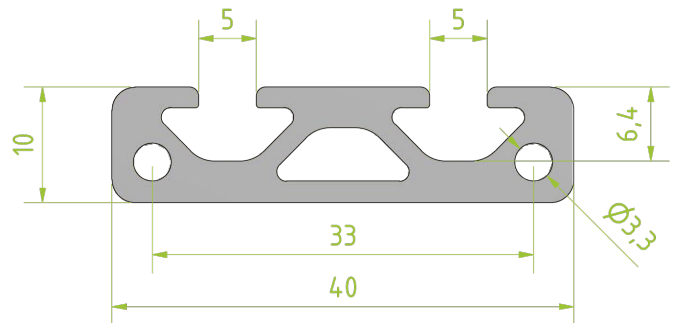
Artikel-Nr.	$\emptyset$	A	A1	B	B1	C	D	E	F	G	H
SWR.90G.M	37.0	35.0		35.0		76.0	87.0	16.0	5.5	3.0	M5.0
SWR.90G.M-S	37.0	35.0	50.0	35.0	50.0	76.0	87.0	20.0	5.5	6.0	M5.0
SWR.150G.M	70.0	52.0		74.0		130.0	145.0	24.0	6.5	4.0	M5.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

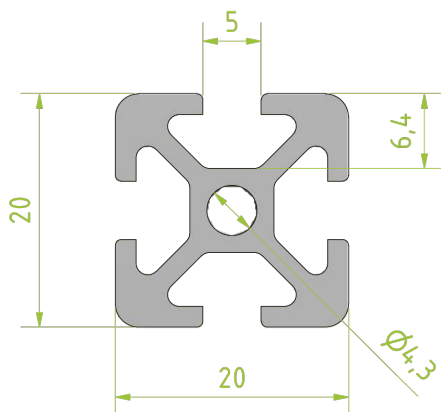
GK.02.001



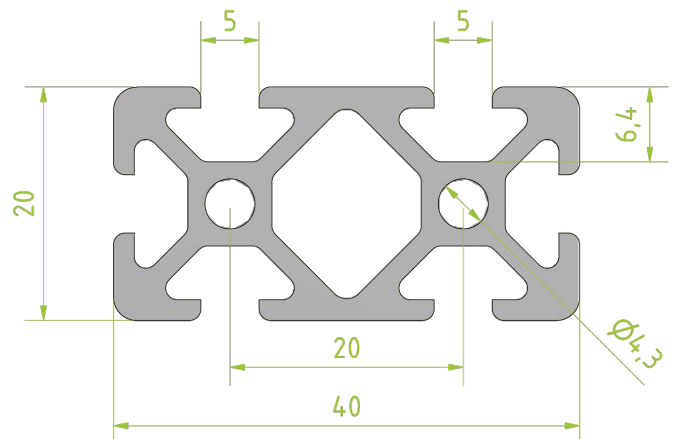
GK.02.002



GK.02.003

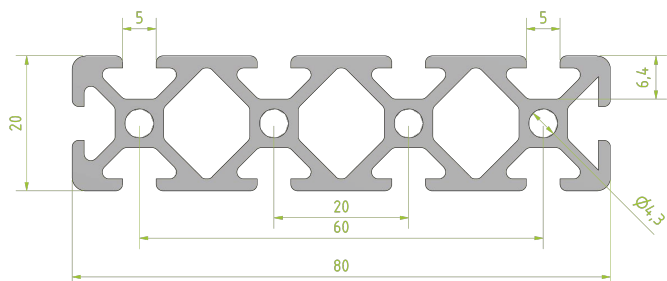


GK.02.004

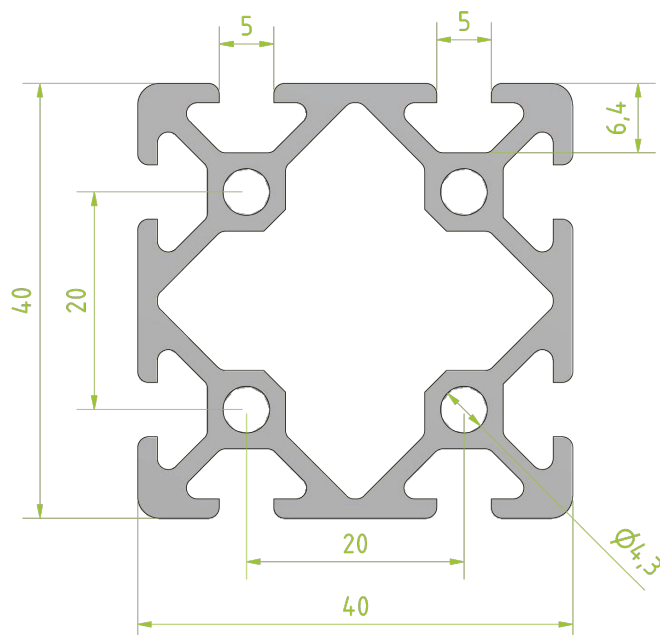


Alle Maßangaben in Millimeter | All measurements are in millimeters

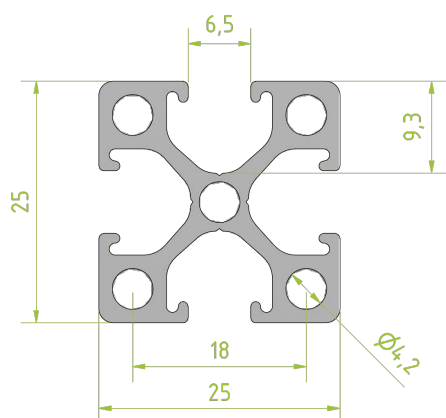
GK.02.006



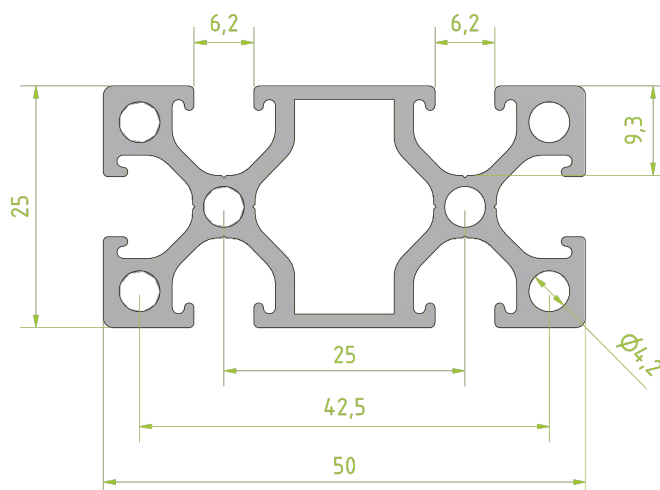
GK.02.007



GK.140.021

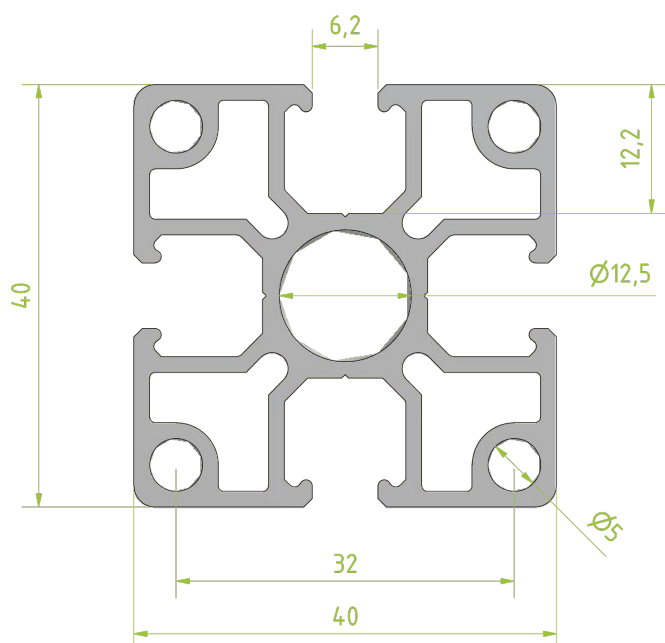


GK.140.025-X

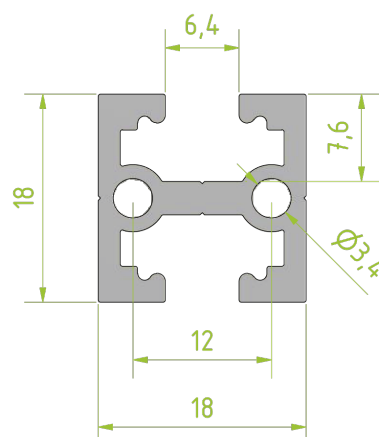


Alle Maßangaben in Millimeter | All measurements are in millimeters

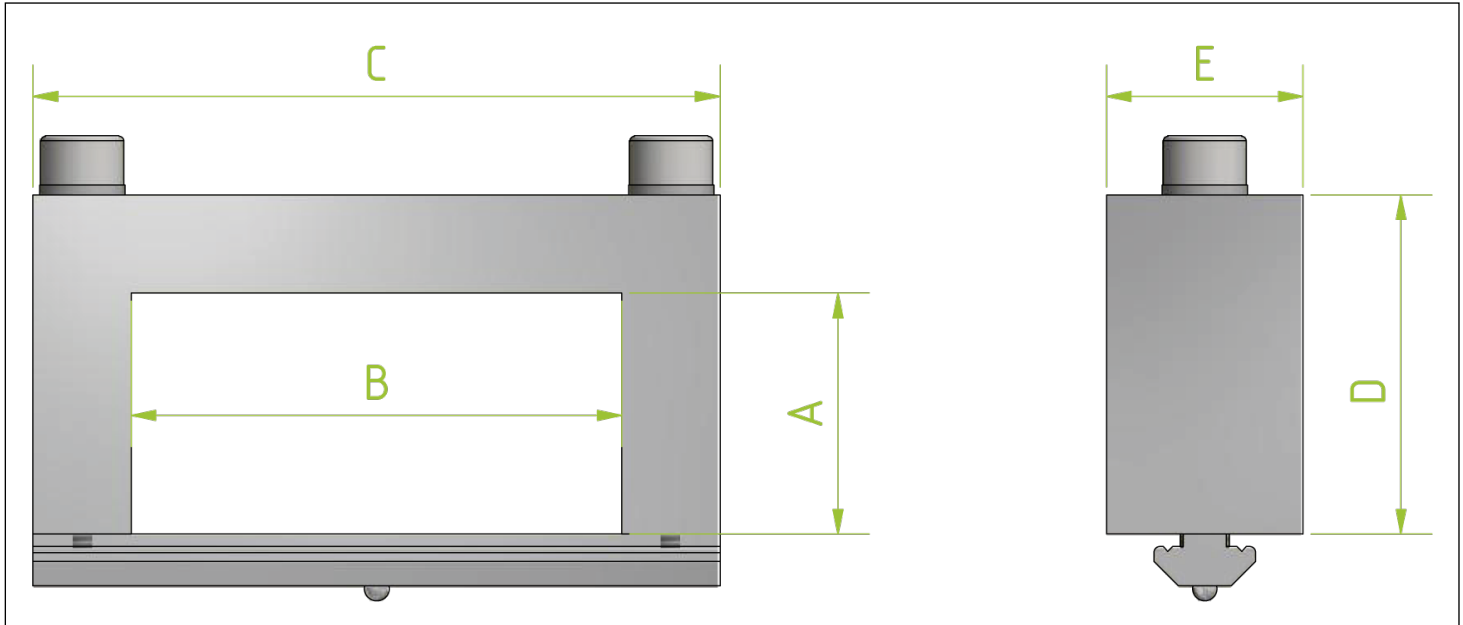
GK.140.026



GK.140.039

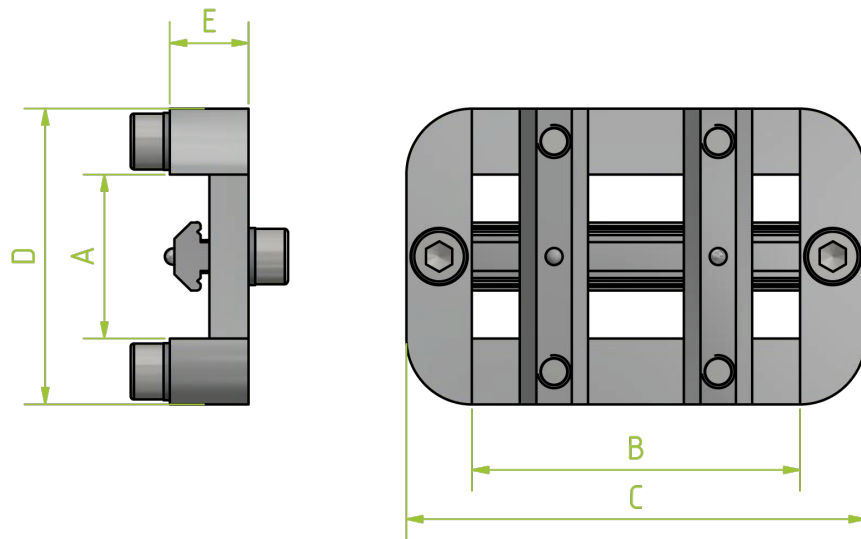


Alle Maßangaben in Millimeter | All measurements are in millimeters



Artikel-Nr.	A	B	C	D	E
GK.05.003	19.5	40.0	60.0	29.5	20.0
GK.05.005	19.5	20.0	40.0	29.5	20.0
GK.05.006	39.5	20.0	40.0	49.5	20.0
GK.05.007	24.5	25.0	45.0	34.5	20.0
GK.05.008	24.5	50.0	70.0	34.5	20.0

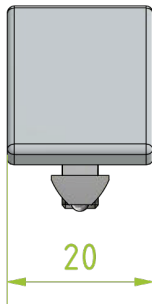
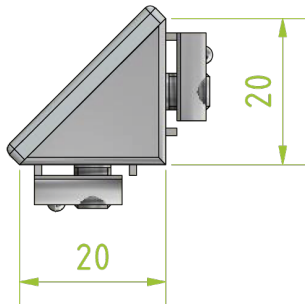
Alle Maßangaben in Millimeter | All measurements are in millimeters



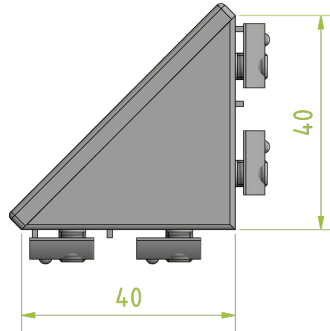
Artikel-Nr.	A	B	C	D	E
GK.04.001	20.0	20.0	40.0	40.0	9.0
GK.04.002	20.0	40.0	60.0	40.0	10.0
GK.04.003	40.0	40.0	60.0	60.0	10.0
GK.04.004	20.0	25.0	45.0	40.0	12.0
GK.04.005	25.0	20.0	45.0	45.0	12.0
GK.04.006	25.0	50.0	70.0	45.0	12.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

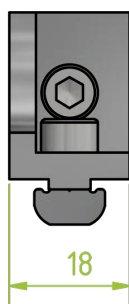
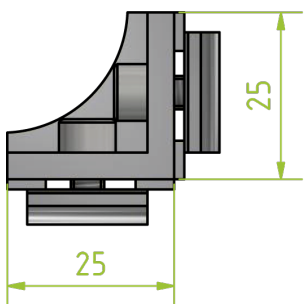
GK.06.001



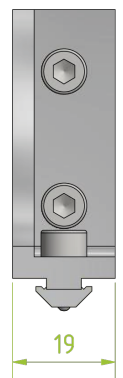
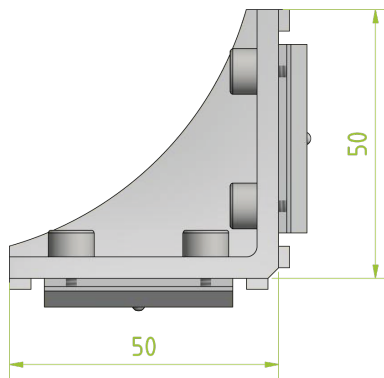
GK.06.002



GK.140.041

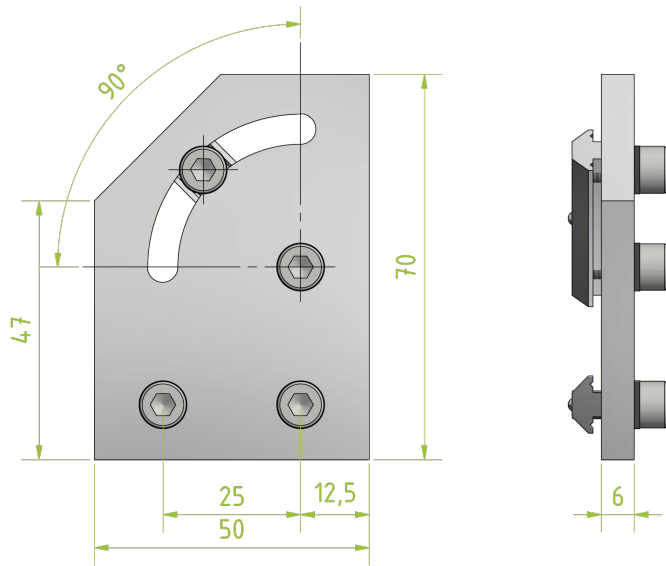


GK.140.042

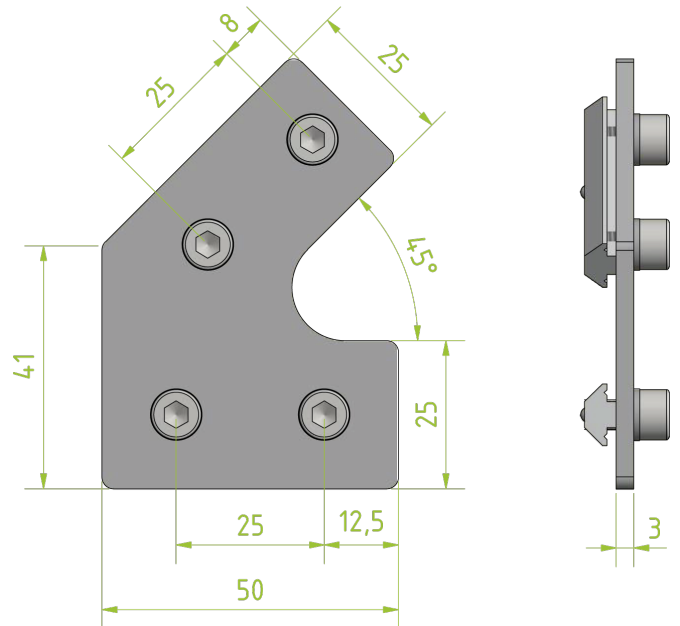


Alle Maßangaben in Millimeter | All measurements are in millimeters

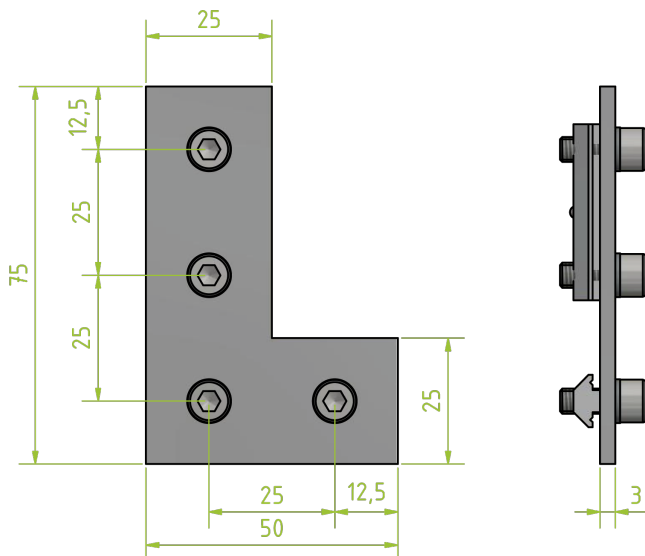
GK.08.001



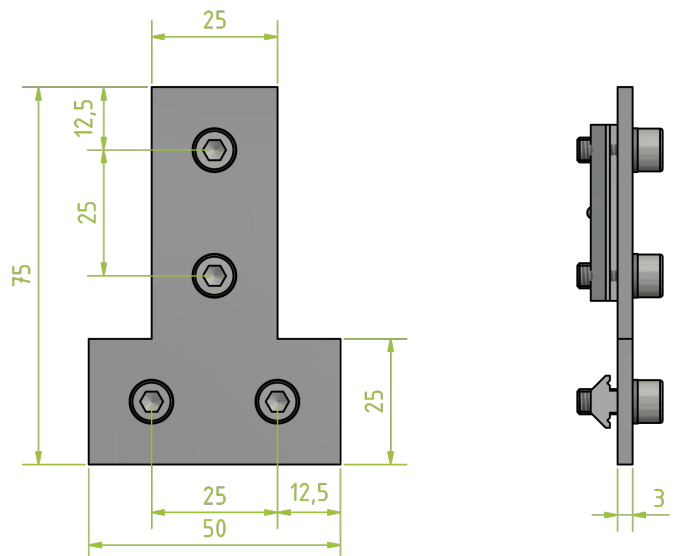
GK.140.066



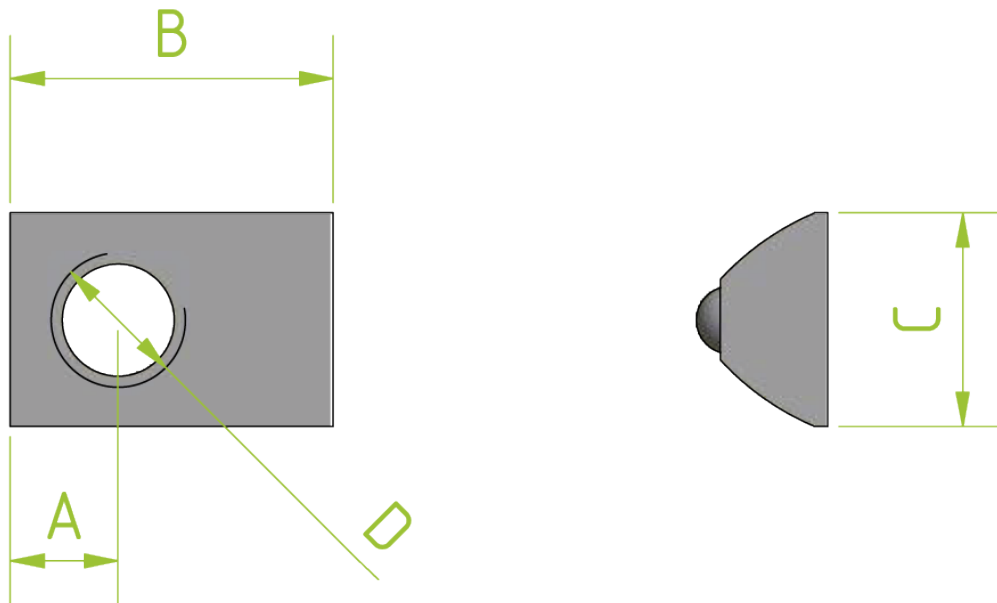
GK.06.020



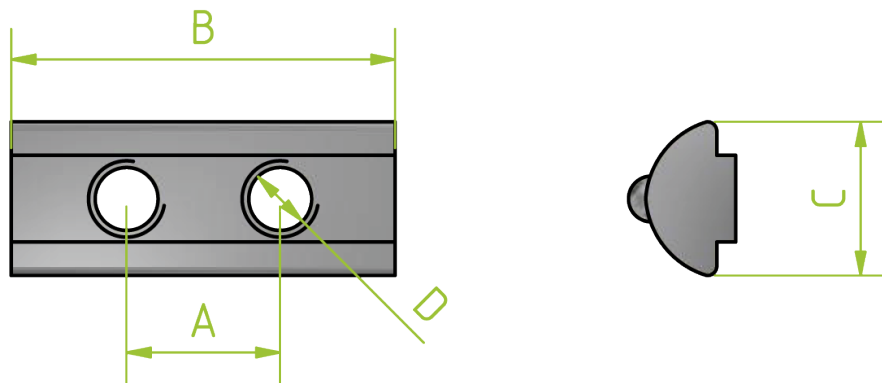
GK.06.025



Alle Maßangaben in Millimeter | All measurements are in millimeters

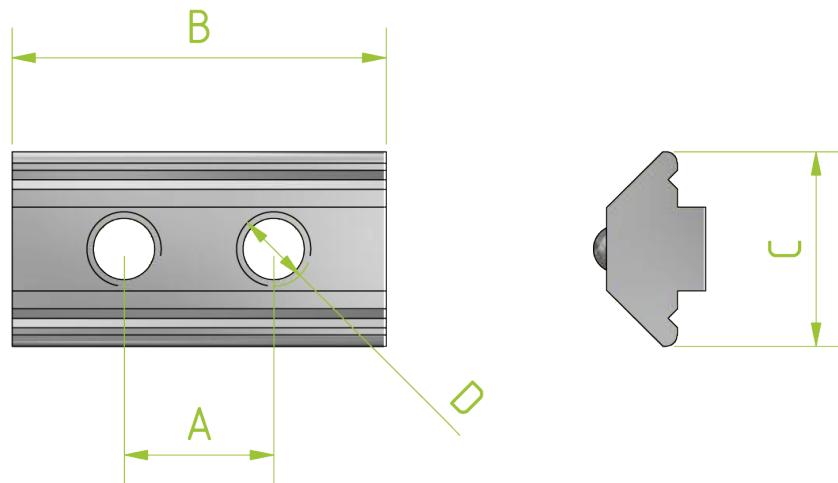


Artikel-Nr.	A	B	C	D
GK.03.001	4.0	12.0	8.0	M4.0
GK.03.002	4.0	12.0	8.0	M5.0



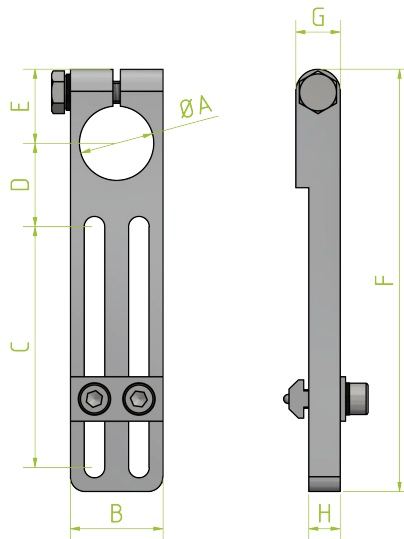
Artikel-Nr.	A	B	C	D
GK.03.003	12.0	25.0	8.0	M5.0
GK.03.004	20.0	30.0	8.0	M5.0
GK.03.005	25.0	35.0	8.0	M5.0
GK.03.006	30.0	40.0	8.0	M5.0
GK.03.007	50.0	60.0	8.0	M5.0
GK.03.008	30.0	40.0	8.0	M5.0
GK.03.009	50.0	60.0	8.0	M5.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

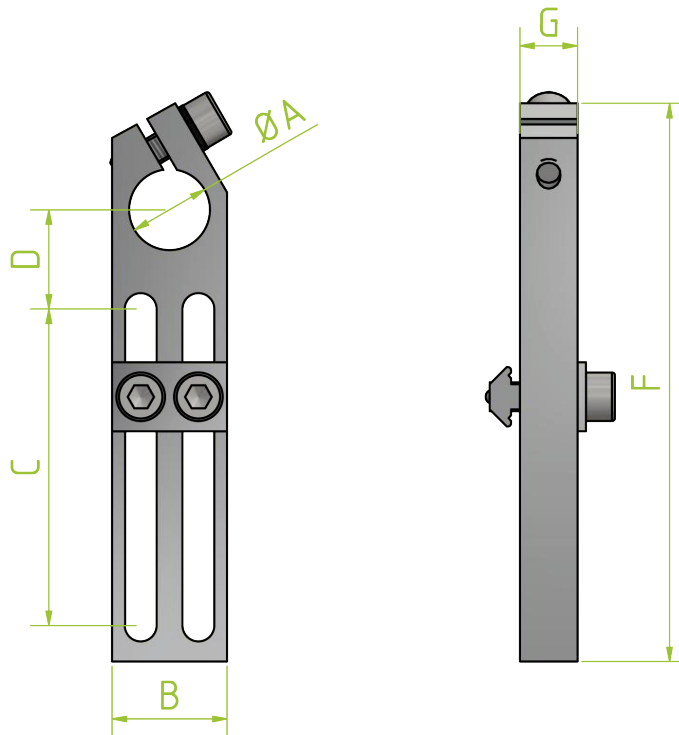


Artikel-Nr.	A	B	C	D
GK.03.010	8.0	20.0	10.4	M4.0
GK.03.011	10.0	20.0	10.4	M5.0
GK.03.012	12.0	25.0	10.4	M5.0
GK.03.013	20.0	30.0	10.4	M5.0
GK.03.014	25.0	35.0	10.4	M5.0
GK.03.015	30.0	40.0	10.4	M5.0
GK.03.016	50.0	60.0	10.4	M5.0
GK.03.017	6.0	12.0	10.4	M5.0
GK.03.018	10.0	20.0	10.4	M5.0
GK.03.019	35.0	45.0	10.4	M5.0
GK.03.020	8.0	16.5	10.4	M4.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

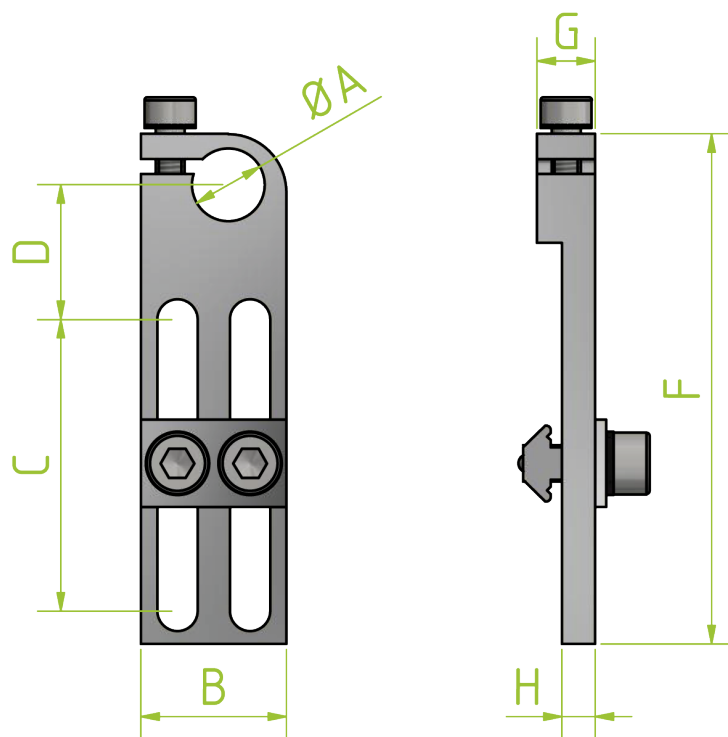


Artikel-Nr.	A	B	C	D	E	F	G	H
GK.09.001	10.0	16.0	5.0	17.0	15.0	42.0	12.0	6.0
GK.09.005A	10.0	20.0	45.0	16.0	15.0	85.0	12.0	5.0
GK.09.004	14.0	20.0	5.0	19.0	17.0	46.0	12.0	6.5
GK.09.006	14.0	20.0	55.0	17.0	17.0	98.5	12.0	8.5
GK.09.003	20.0	25.0	5.0	22.0	20.0	52.0	12.0	6.5
GK.09.008A	20.0	25.0	65.0	22.5	20.0	114.0	12.0	8.5



Artikel-Nr.	A	B	C	D	F	G
GK.100.001	14.0	20.0	55.0	17.3	97.0	10.0

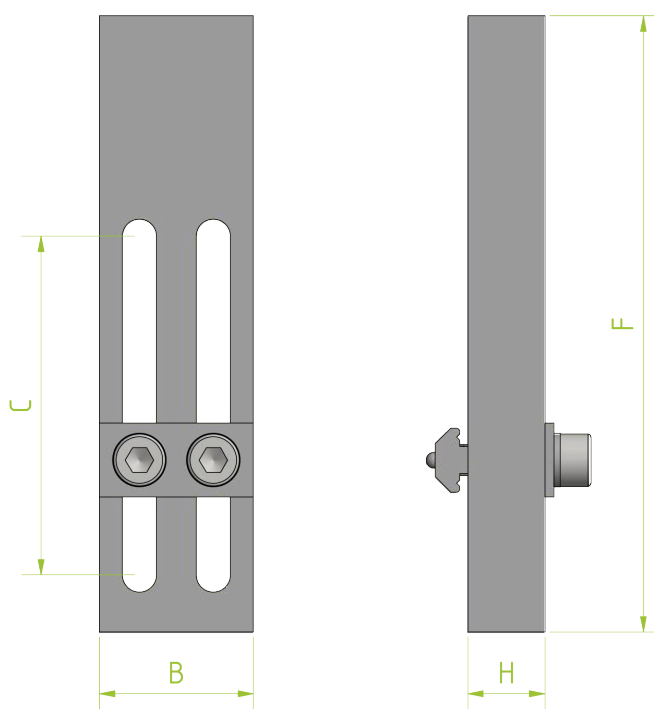
Alle Maßangaben in Millimeter | All measurements are in millimeters



Artikel-Nr.

GK.140.043

A	B	C	D	F	G	H
10.0	20.0	40.0	18.5	70.0	8.0	4.6



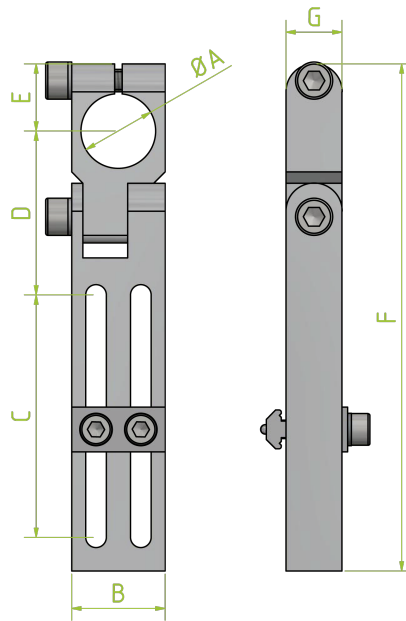
Artikel-Nr.

GK.09.009

GK.09.010

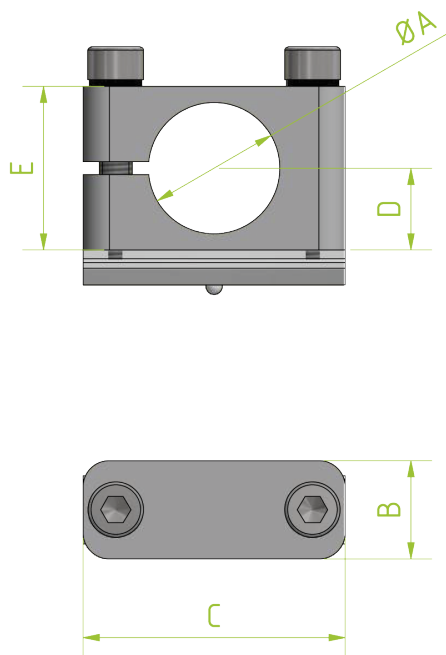
A	B	C	D
18.0	42.0	80.0	12.5
25.0	55.0	100.0	12.5

Alle Maßangaben in Millimeter | All measurements are in millimeters

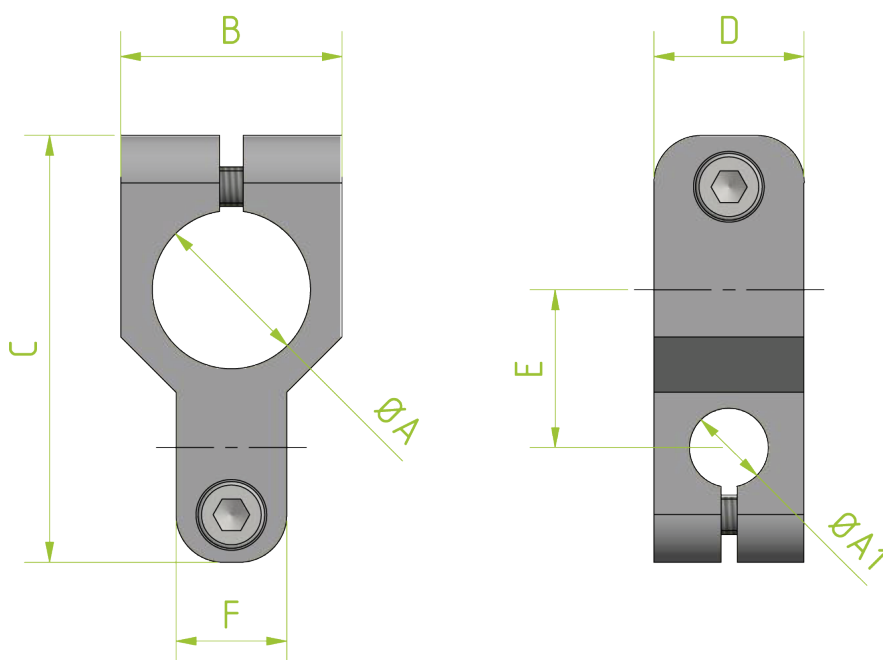


Artikel-Nr.	A	B	C	D	E	F	G
GK.09.011	10.0	20.0	45.0	35.0	12.0	100.0	10.0
GK.09.012	14.0	20.0	54.5	38.0	14.5	118.0	12.0
GK.09.013	20.0	25.0	65.0	44.0	18.0	136.0	15.0
GK.09.014	30.0	35.0	85.0	58.0	30.0	183.0	22.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

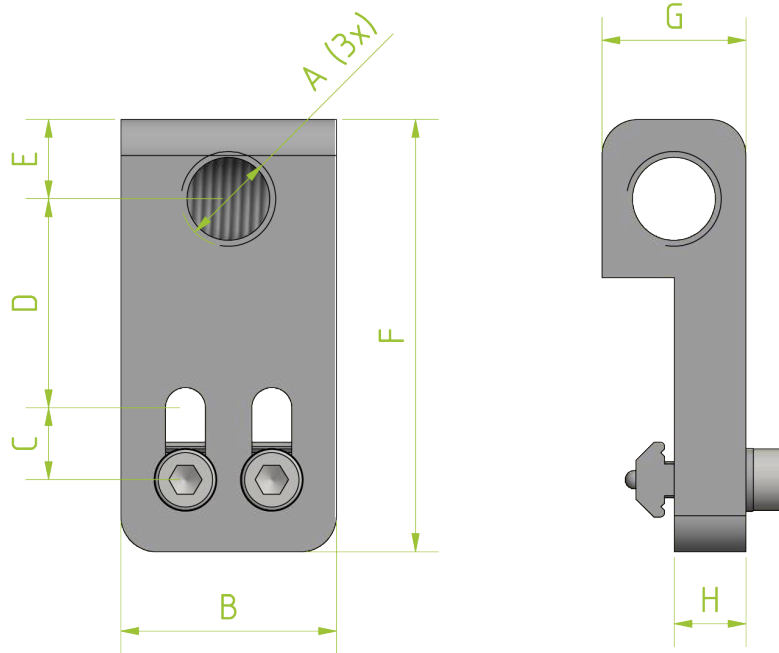


Artikel-Nr.	A	B	C	D	E
GK.10.001	10.0	15.0	30.0	6.5	14.0
GK.10.004	14.0	12.0	35.0	9.5	19.5
GK.10.003	20.0	15.0	40.0	12.5	25.0

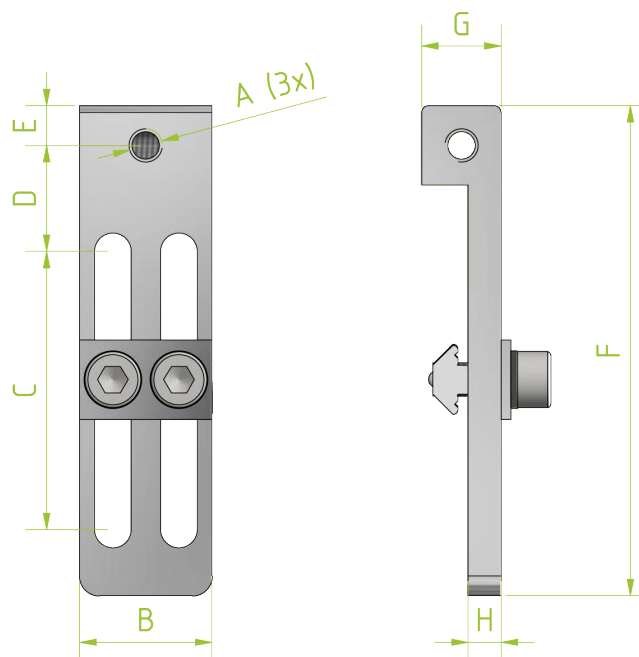


Artikel-Nr.	A	A1	B	C	D	E	F
GK.140.058	20.0	10.0	28.0	54.0	19.0	20.0	14.0
GK.140.059	20.0	14.0	28.0	56.0	22.0	20.0	22.0
GK.140.060	20.0	20.0	28.0	61.0	28.0	22.0	28.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

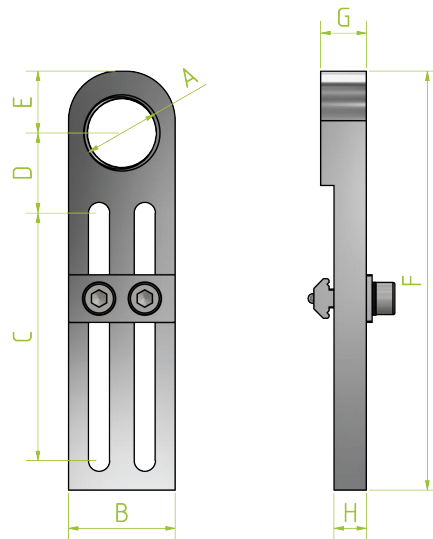


Artikel-Nr.	A	B	C	D	E	F	G	H
GK.11.001	M5.0	16.0	5.0	17.0	5.0	32.0	12.0	6.5
GK.11.002	G1/8"	25.0	5.0	20.0	8.0	38.0	15.0	6.5
GK.11.004	G1/4"	30.0	10.0	29.0	11.0	60.0	20.0	10.0

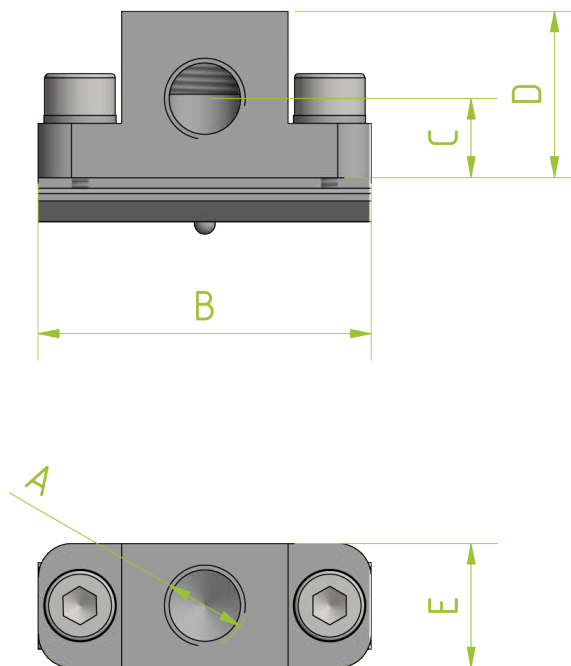


Artikel-Nr.	A	B	C	D	E	F	G	H
GK.11.005	M5.0	20.0	42.0	16.0	6.0	74.0	12.0	5.0
GK.11.006	G1/8"	25.0	52.0	19.5	10.0	90.0	15.0	10.5
GK.11.008	G1/4"	30.0	52.0	22.0	10.0	94.0	18.0	8.5

Alle Maßangaben in Millimeter | All measurements are in millimeters

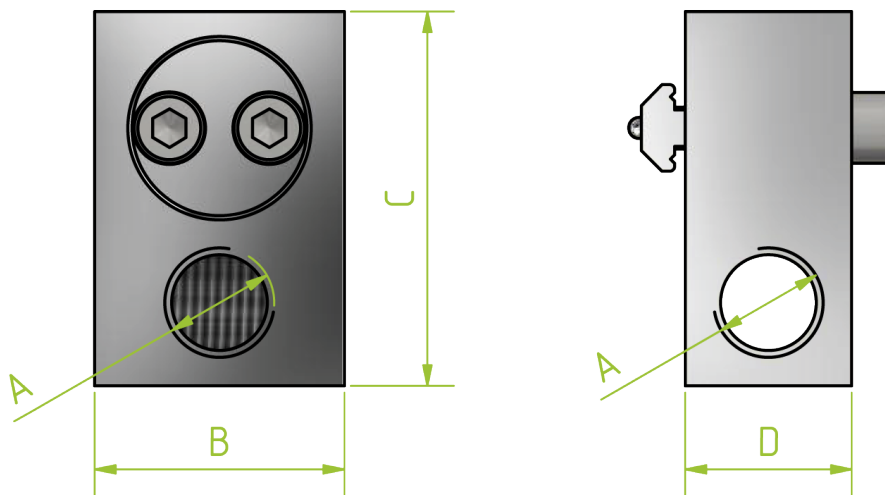


Artikel-Nr.	A	B	C	D	E	F	G	H
GK.09.903	G1/8"	20.0	9.5	17.6	10.0	45.0	7.0	
GK.09.904	G1/8"	20.0	39.5	12.6	10.0	70.0	7.0	
GK.09.905	M12x15	22.0	55.0	23.0	11.0	99.0	12.0	8.5
GK.09.906	M14x15	24.0	55.0	22.0	14.0	99.0	12.0	8.5
GK.09.901	M16x10	26.0	55.0	21.0	15.0	99.0	12.0	8.5
GK.09.902	M20x15	28.0	65.0	21.0	16.0	110.0	12.0	8.5



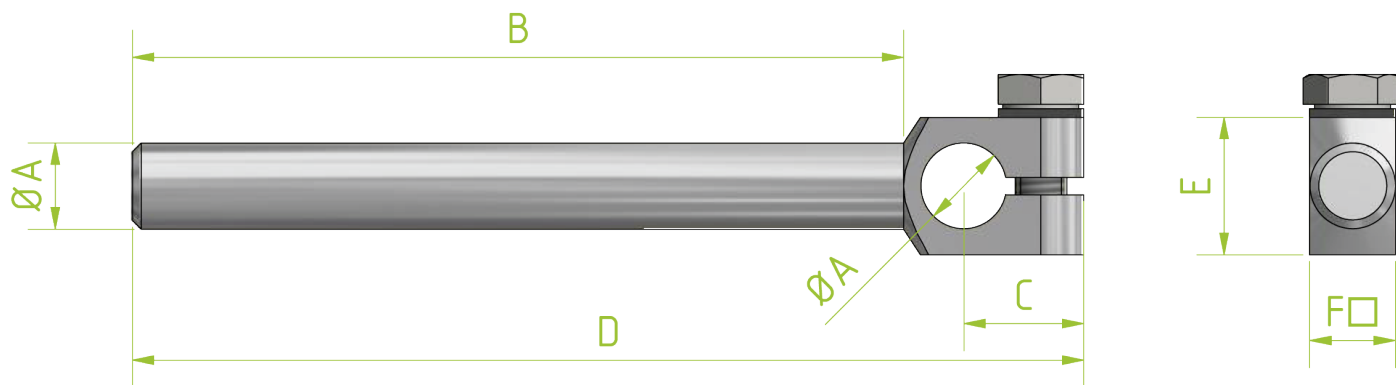
Artikel-Nr.	A	B	C	D	E
GK.11.009	M5.0	30.0	7.0	15.0	15.0
GK.11.010	G1/8"	40.0	9.0	20.0	15.0
GK.11.012	G1/4"	40.0	10.0	25.0	20.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



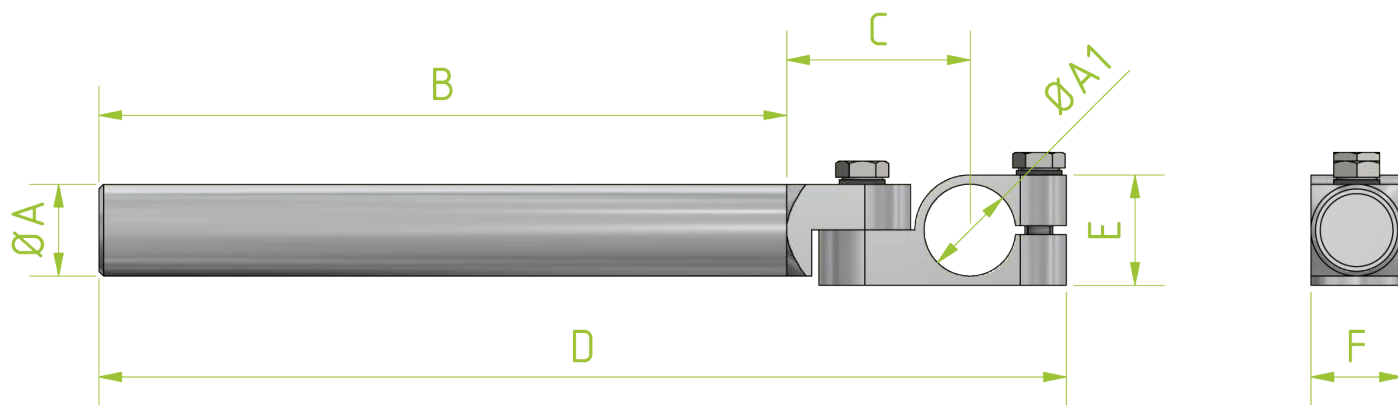
Artikel-Nr.	A	B	C	D
GK.11.013	M5.0	20.0	30.0	12.0
GK.11.014	G1/8"	25.0	43.0	15.0
GK.11.016	G1/4"	30.0	45.0	20.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



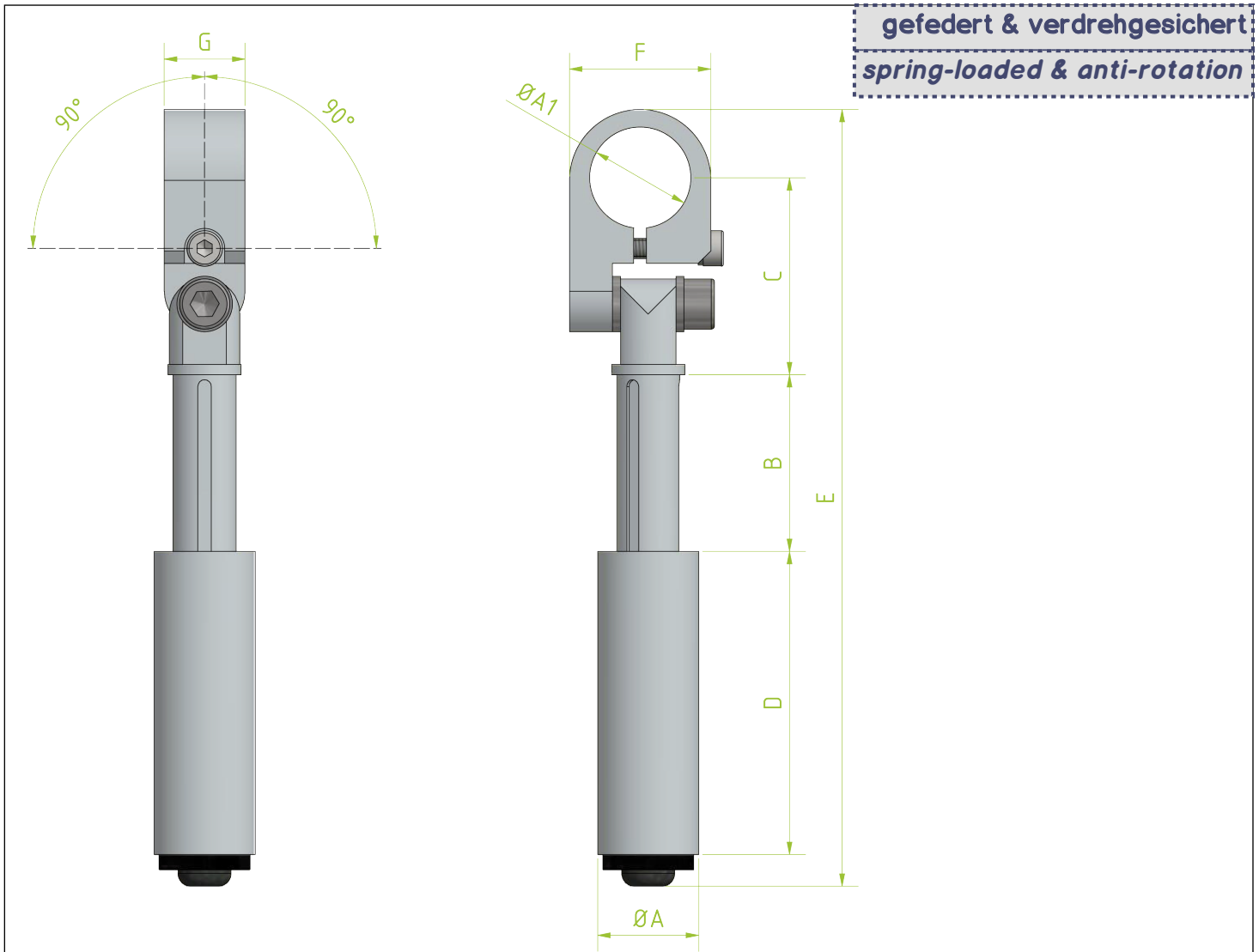
Artikel-Nr.	A	B	C	D	E	F
GK.13.001	10.0	30.0	14.0	51.0	16.0	
GK.13.002	10.0	60.0	14.0	81.0	16.0	
GK.13.003	10.0	90.0	14.0	111.0	16.0	
GK.13.022	14.0	45.0	18.5	72.5		20.0
GK.13.023	14.0	90.0	18.5	117.5		20.0
GK.13.024	14.0	130.0	18.5	157.5		20.0
GK.13.010	20.0	50.0	20.0	85.0		25.0
GK.13.011	20.0	100.0	20.0	135.0		25.0
GK.13.012	20.0	150.0	20.0	185.0		25.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



Artikel-Nr.	A	A1	B	C	D	E	F
GK.13.025	10.0	10.0	30.0	27.0	72.5	16.0	10.0
GK.13.026	10.0	10.0	60.0	27.0	102.5	16.0	10.0
GK.13.027	10.0	10.0	90.0	27.0	132.5	16.0	10.0
GK.13.037	14.0	10.0	45.0	27.0	90.0	16.0	14.0
GK.13.038	14.0	10.0	90.0	27.0	135.0	16.0	14.0
GK.13.039	14.0	10.0	130.0	27.0	175.0	16.0	14.0
GK.13.046	14.0	14.0	45.0	28.0	87.5	18.0	14.0
GK.13.047	14.0	14.0	90.0	28.0	132.5	18.0	14.0
GK.13.048	14.0	14.0	130.0	28.0	172.5	18.0	14.0
GK.13.034	20.0	20.0	50.0	40.0	111.0	24.0	20.0
GK.13.035	20.0	20.0	100.0	40.0	161.0	24.0	20.0
GK.13.036	20.0	20.0	150.0	40.0	211.0	24.0	20.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

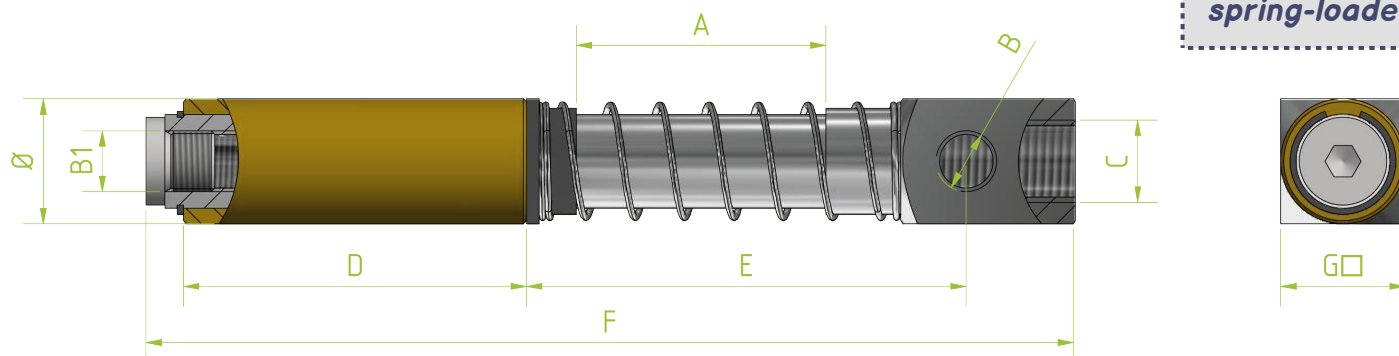


Artikel-Nr.	A	A1	B	C	D	E	F	G
GK.140.050	14.0	10.0	20.0	27.5	38.5	99.0	20.0	12.0
GK.140.055	14.0	10.0	35.0	27.5	58.5	130.0	20.0	12.0
GK.140.049	20.0	10.0	25.0	31.0	50.0	120.0	20.0	12.0
GK.140.069	20.0	10.0	35.0	33.0	60.0	142.0	20.0	12.0
GK.140.068	20.0	20.0	25.0	37.5	50.0	132.0	28.0	16.0
GK.140.056	20.0	20.0	35.0	39.0	60.0	153.0	28.0	16.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



Artikel-Nr.	Ø	A	B	C	D	E
GK.14.001	10.0	M5.0	M5.0	30.0	13.0	12.0
GK.14.002	10.0	M5.0	M5.0	60.0	13.0	12.0
GK.14.003	10.0	M5.0	M5.0	90.0	13.0	12.0
GK.14.004	14.0	G1/8"	G1/8"	45.0	20.0	15.0
GK.14.005	14.0	G1/8"	G1/8"	90.0	20.0	15.0
GK.14.006	14.0	G1/8"	G1/8"	130.0	20.0	15.0
GK.14.019	20.0	G1/8"	G1/4"	50.0	23.0	22.0
GK.14.020	20.0	G1/8"	G1/4"	100.0	23.0	22.0
GK.14.021	20.0	G1/8"	G1/4"	150.0	23.0	22.0



gefedert

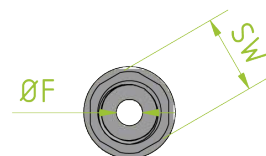
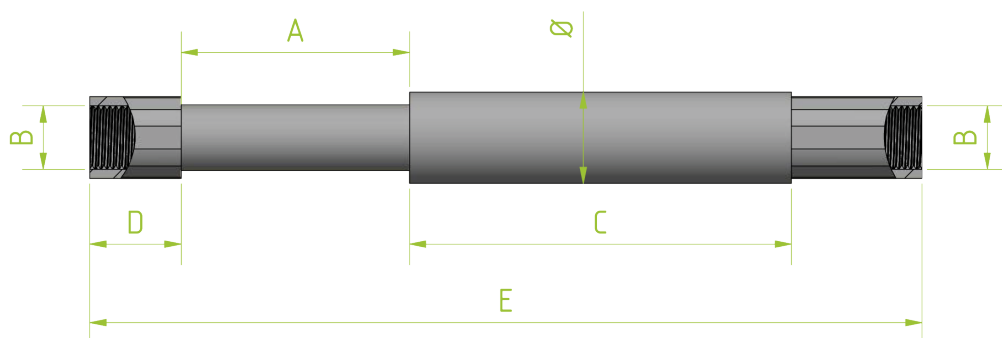
spring-loaded

Artikel-Nr.	Ø	A	B	B1	C	D	E	F	G
GK.14.040	10.0	10.0	M5.0		M5.0	29.5	29.0	67.0	10.0
GK.14.041	10.0	20.0	M5.0		M5.0	29.5	39.0	77.0	10.0
GK.14.042	14.0	15.0	G1/8"	M5.0	G1/8"	35.0	41.0	93.5	16.0
GK.100.002	14.0	15.0	G1/8"	M5.0	G1/8"	35.0	31.0	82.0	15.0
GK.14.043	14.0	35.0	G1/8"	M5.0	G1/8"	35.0	61.0	113.5	16.0
GK.14.052	20.0	20.0	G1/8"	G1/8"	G1/4"	55.0	50.5	129.0	20.0
GK.14.053	20.0	40.0	G1/8"	G1/8"	G1/4"	55.0	70.5	149.0	20.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

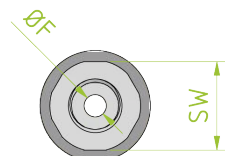
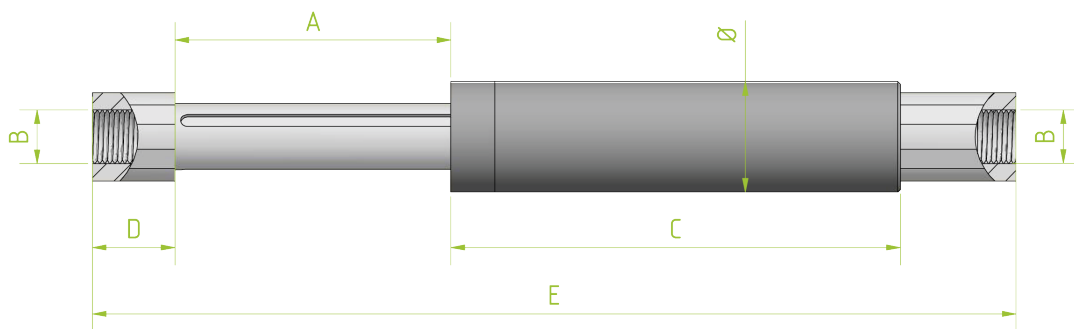
gefedert

spring-loaded



Artikel-Nr.	Ø	A	B	C	D	E	F	SW
GK.140.024	14.0	20.0	G1/8"	38.5	14.0	92.5	4.0	12.0
GK.140.032	14.0	35.0	G1/8"	58.5	14.0	127.5	4.0	12.0

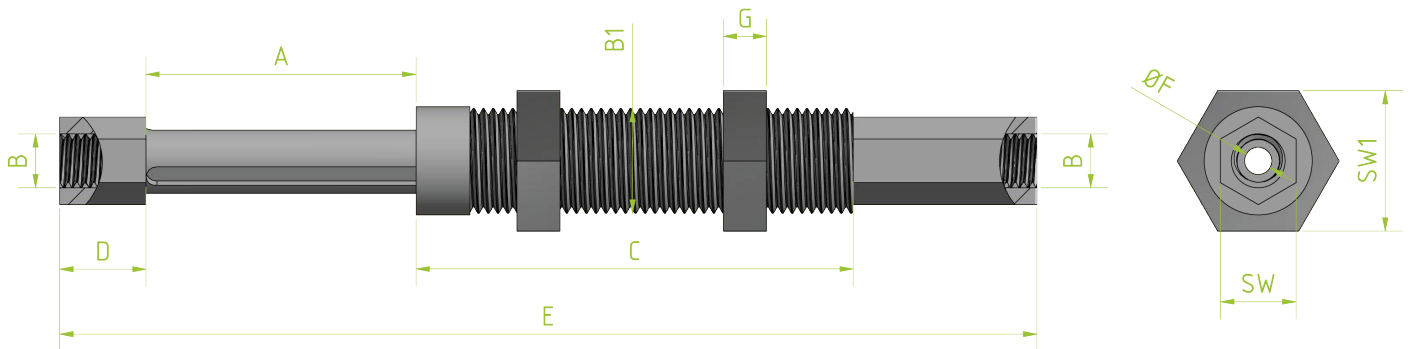
gefedert & verdrehgesichert
spring-loaded & anti-rotation



Artikel-Nr.	Ø	A	B	C	D	E	F	SW
GK.140.034	10.0	10.0	M5.0	21.0	8.0	56.0	2.5	8.0
GK.140.035	10.0	25.0	M5.0	40.5	8.0	90.5	2.5	8.0
GK.140.036	14.0	20.0	G1/8"	38.5	20.0	98.5	4.0	12.0
GK.140.033	14.0	35.0	G1/8"	58.5	20.0	133.5	4.0	12.0
GK.140.037	20.0	25.0	G1/8"	49.0	15.0	110.0	4.0	16.0
GK.140.038	20.0	50.0	G1/8"	81.5	15.0	167.5	4.0	16.0

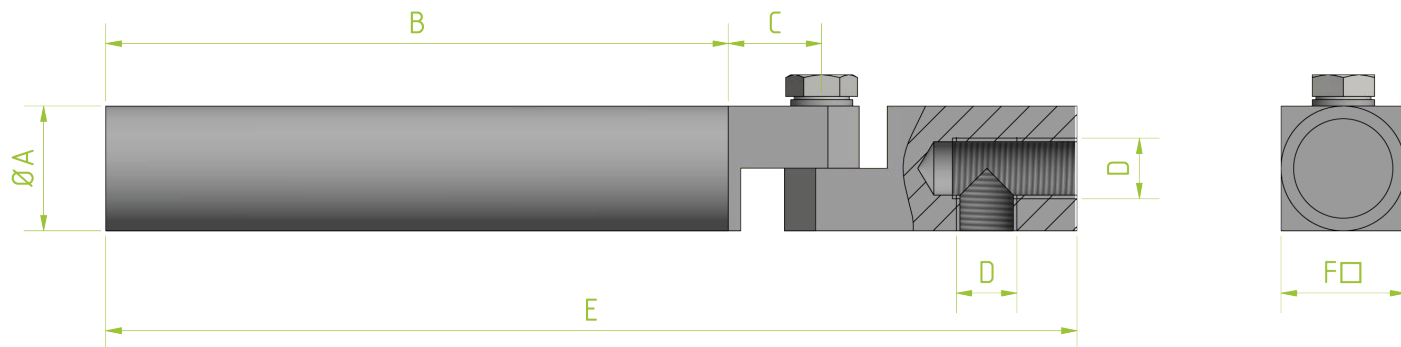
Alle Maßangaben in Millimeter | All measurements are in millimeters

gefedert & verdrehgesichert
spring-loaded & anti-rotation



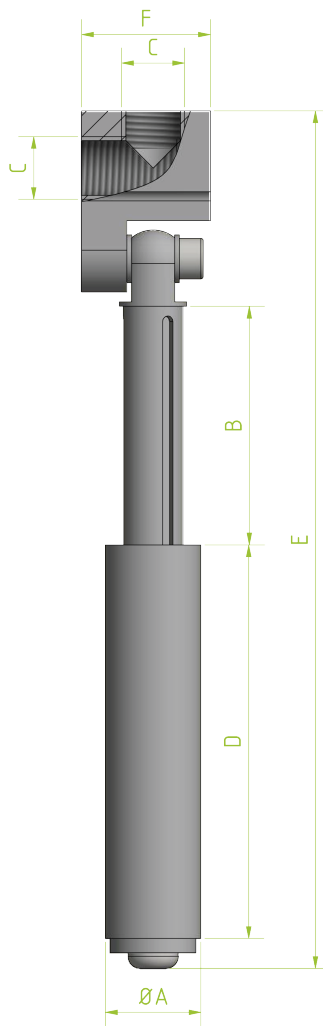
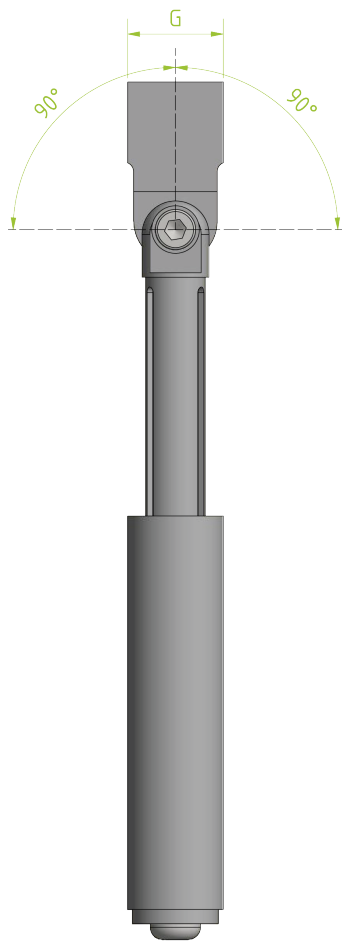
Artikel-Nr.	A	B	B1	C	D	E	F	G	SW	SW1
GK.140.030	10.0	M5.0	G1/8"	21.0	8.0	56.0	2.5	4.0	7.0	13.0
GK.140.031	25.0	M5.0	G1/8"	40.5	8.0	90.5	2.5	4.0	7.0	13.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



Artikel-Nr.	A	B	C	D	E	F
GK.14.022	10.0	30.0	11.0	M5.0	71.5	16.0
GK.14.023	10.0	60.0	11.0	M5.0	101.5	16.0
GK.14.024	10.0	90.0	11.0	M5.0	131.5	16.0
GK.14.025	14.0	45.0	13.0	G1/8"	99.0	20.0
GK.14.026	14.0	90.0	13.0	G1/8"	144.0	20.0
GK.14.027	14.0	130.0	13.0	G1/8"	184.0	20.0
GK.14.034	20.0	50.0	15.0	G1/8"	106.0	20.0
GK.14.035	20.0	100.0	15.0	G1/8"	156.0	20.0
GK.14.036	20.0	150.0	15.0	G1/8"	206.0	20.0
GK.14.037	20.0	50.0	15.0	G1/4"	108.0	25.0
GK.14.038	20.0	100.0	15.0	G1/4"	158.0	25.0
GK.14.039	20.0	150.0	15.0	G1/4"	208.0	25.0

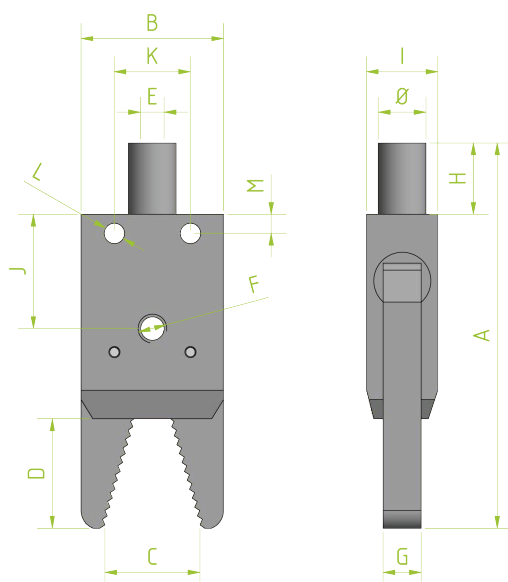
Alle Maßangaben in Millimeter | All measurements are in millimeters



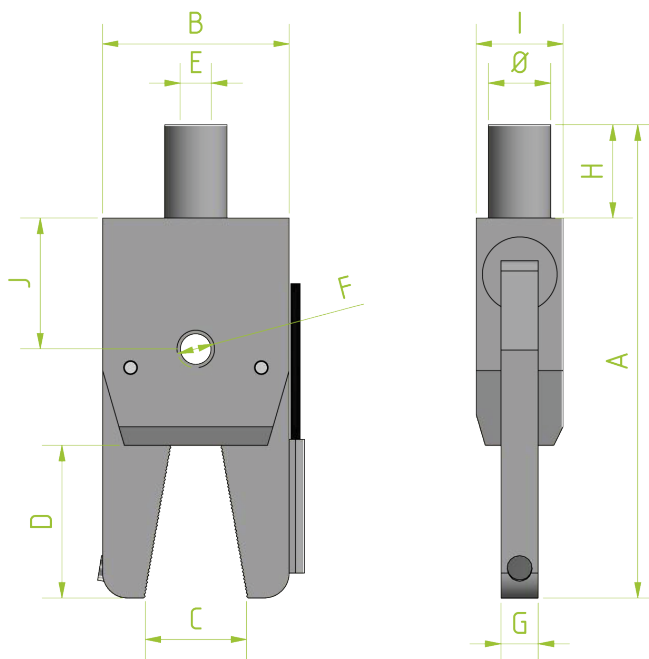
gefedert & verdrehgesichert
spring-loaded & anti-rotation

Artikel-Nr.	A	B	C	D	E	F	G
GK.140.044	10.0	10.0	M5.0	40.0	72.5	17.0	10.0
GK.140.027	10.0	25.0	M5.0	40.5	87.5	17.0	10.0
GK.140.045	14.0	20.0	G1/8"	58.5	110.0	22.0	14.0
GK.140.028	14.0	35.0	G1/8"	58.5	125.0	22.0	14.0
GK.140.065	20.0	25.0	G1/8"	50.0	111.0	22.0	14.0
GK.140.067	20.0	35.0	G1/8"	60.0	136.0	22.0	14.0
GK.140.062	20.0	50.0	G1/8"	82.5	169.0	22.0	14.0
GK.140.064	20.0	25.0	G1/4"	50.0	120.0	27.0	20.0
GK.140.063	20.0	50.0	G1/4"	82.5	180.0	27.0	20.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

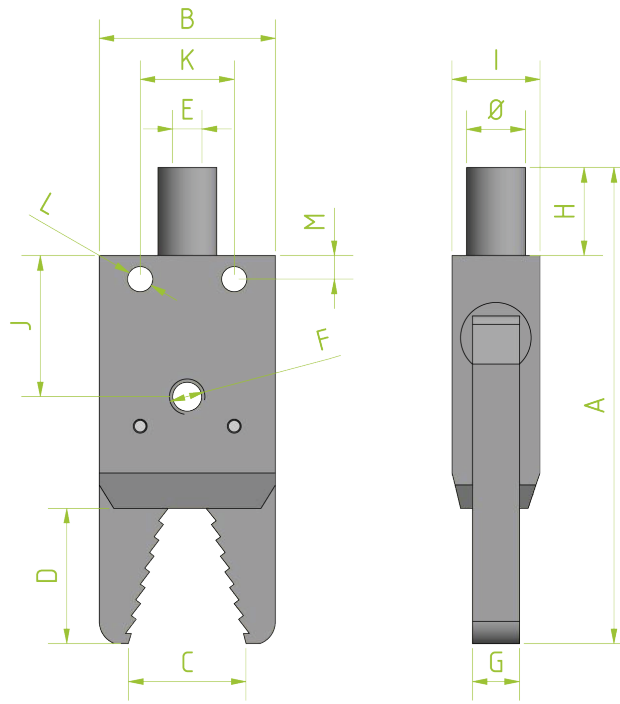


Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	K	L	M	MS
MG.3010	10.0	45.0	15.0	6.0	11.5	M5.0	M4.0	3.0	15.0	8.0	10.5				x
MG.4010	10.0	55.0	20.0	10.0	15.5	M5.0	M6.0	4.0	15.0	10.0	14.0				x
MG.5010	10.0	66.0	25.0	14.0	20.0	M5.0	M6.0	5.0	15.0	12.0	17.5				x
MG.6010	10.0	76.0	30.0	18.0	24.5	M5.0	M6.0	6.0	15.0	15.0	21.0				
MG.6510	10.0	81.0	30.0	20.0	23.0	M5.0	M6.0	8.0	15.0	15.0	24.0	16.0	4.3	4.0	

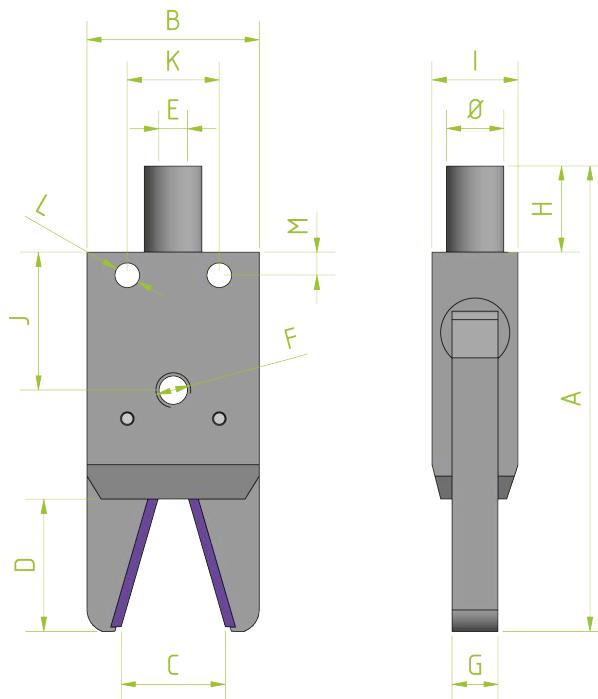


Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J
MG.4010MS	10.0	55.0	20.0	10.0	15.5	M5.0	M6.0	4.0	15.0	10.0	14.0
MG.5010MS	10.0	66.0	25.0	14.0	20.0	M5.0	M6.0	5.0	15.0	12.0	17.5
MG.6010MS	10.0	76.0	30.0	17.0	24.5	M5.0	M6.0	6.0	15.0	15.0	21.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

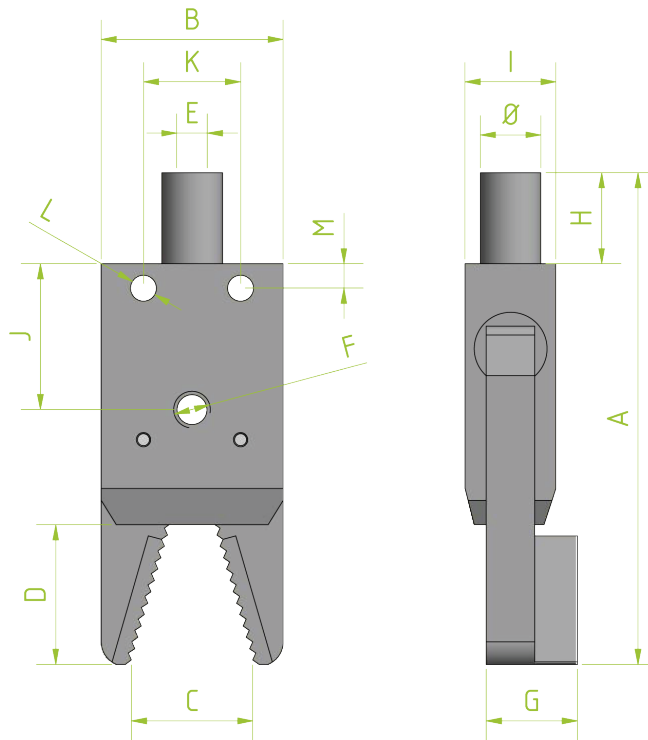


Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	K	L	M
MG.4010SZ	10.0	55.0	20.0	10.0	15.5	M5.0	M6.0	4.0	15.0	10.0	14.0			
MG.6510SZ	10.0	81.0	30.0	20.0	23.0	M5.0	M6.0	8.0	15.0	15.0	24.0	16.0	4.3	4.0

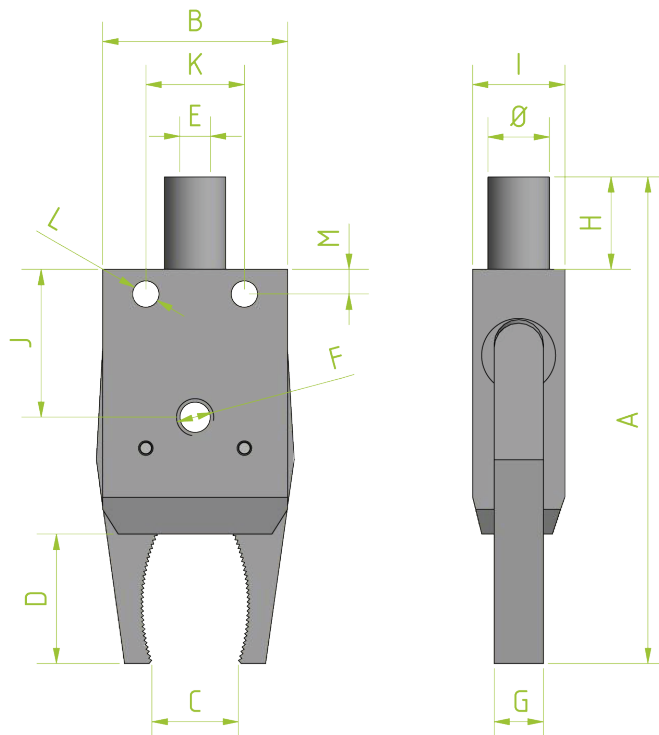


Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	K	L	M
MG.4010BG	10.0	55.0	20.0	8.0	15.5	M5.0	M6.0	4.0	15.0	8.0	10.5			
MG.6510BG	10.0	81.0	30.0	20.0	23.0	M5.0	M6.0	8.0	15.0	15.0	24.0	16.0	4.3	4.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

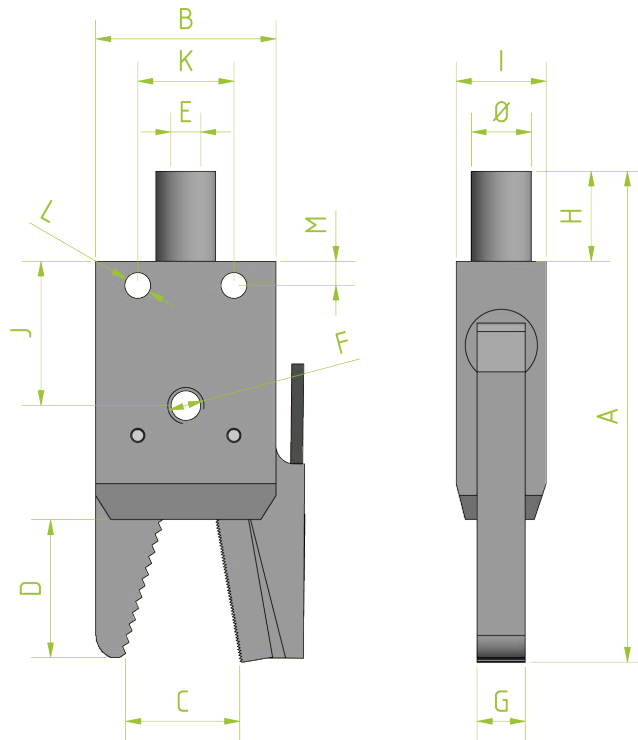


Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	K	L	M
MG.6510BB	10.0	81.0	30.0	20.0	23.0	M5.0	M6.0	15.0	15.0	15.0	24.0	16.0	4.3	4.0



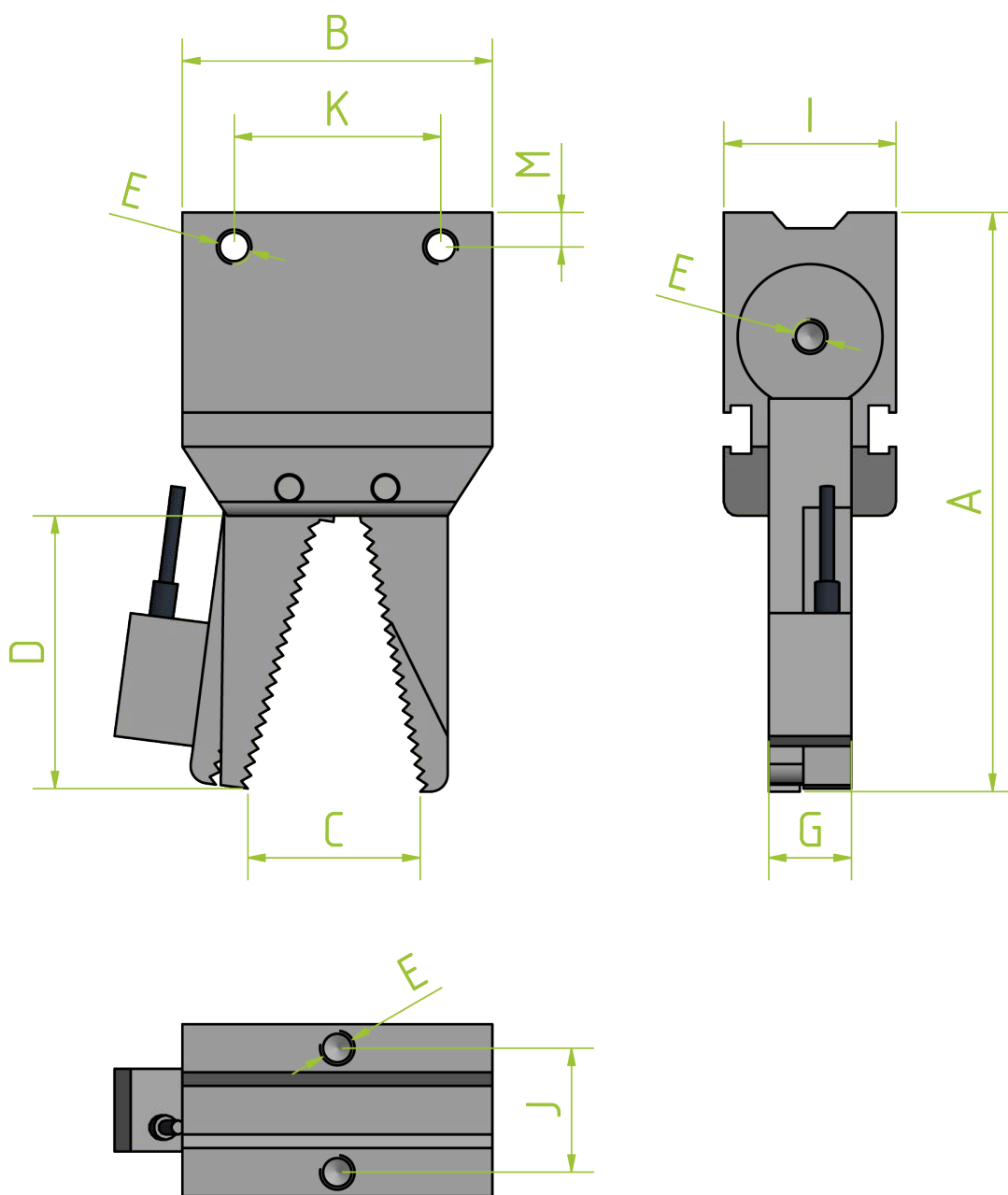
Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	K	L	M
MG.6510OV	10.0	81.0	30.0	14.0	23.0	M5.0	M6.0	8.0	15.0	15.0	24.0	16.0	4.3	4.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	K	L	M
MG.6510TS	10.0	81.0	30.0	19.0	23.0	M5.0	M6.0	8.0	15.0	15.0	24.0	16.0	4.3	4.0

Alle Maßangaben in Millimeter I All measurements are in millimeters

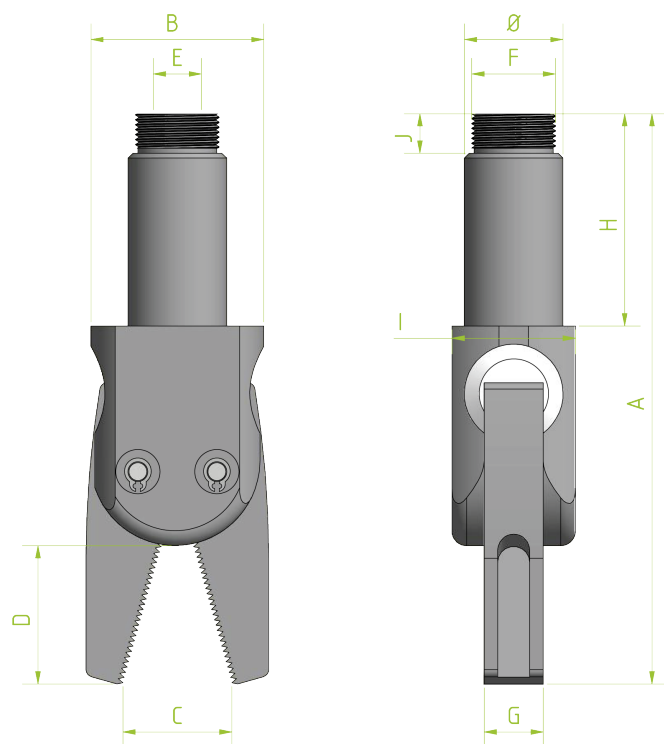


Artikel-Nr.

MG.7010

A	B	C	D	E	G	I	J	K	M
84.0	45.0	25.0	40.0	M5.0	12.0	25.0	18.0	30.0	5.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



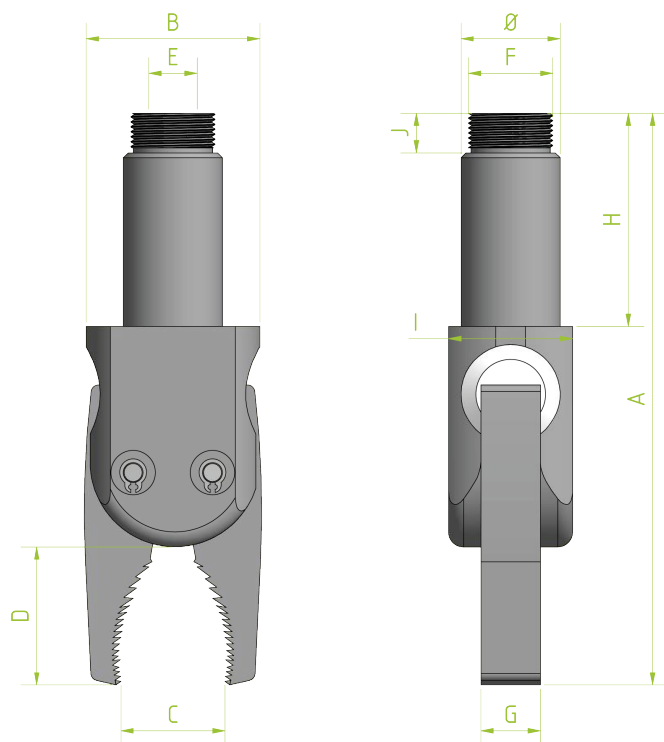
Mit Sensor erhältlich

Also available with sensor

Artikel-Nr.

GK.20.012

Ø	A	B	C	D	E	F	G	H	I	J
20.0	115.5	35.0	22.0	28.0	G1/8"	M17x1	12.0	43.0	25.0	8.0



Mit Sensor erhältlich

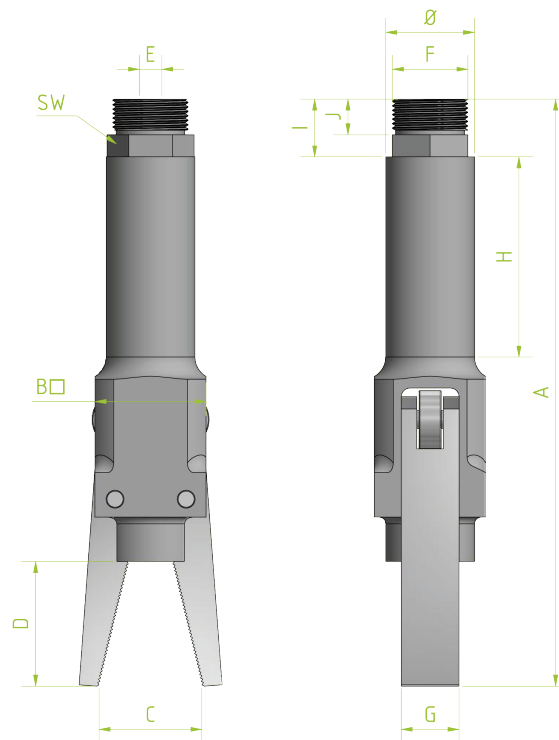
Also available with sensor

Artikel-Nr.

GK.20.013

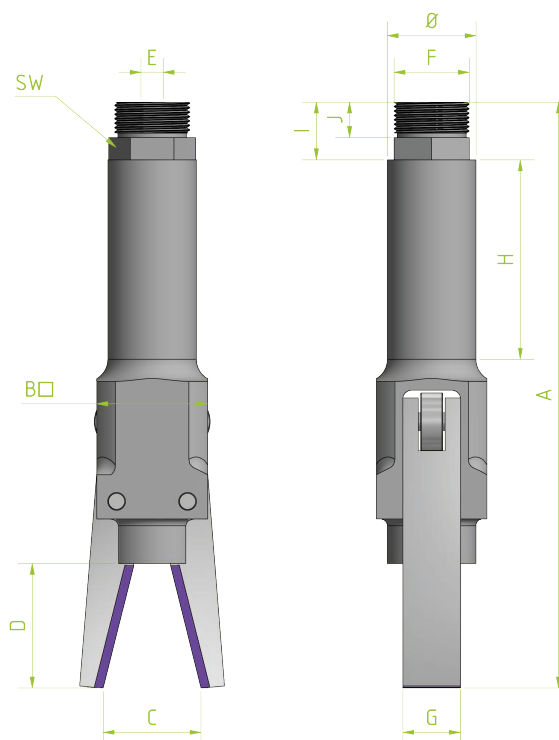
Ø	A	B	C	D	E	F	G	H	I	J
20.0	115.5	35.0	21.0	28.0	G1/8"	M17x1	12.0	43.0	25.0	8.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



Mit Sensor erhältlich
Also available with sensor

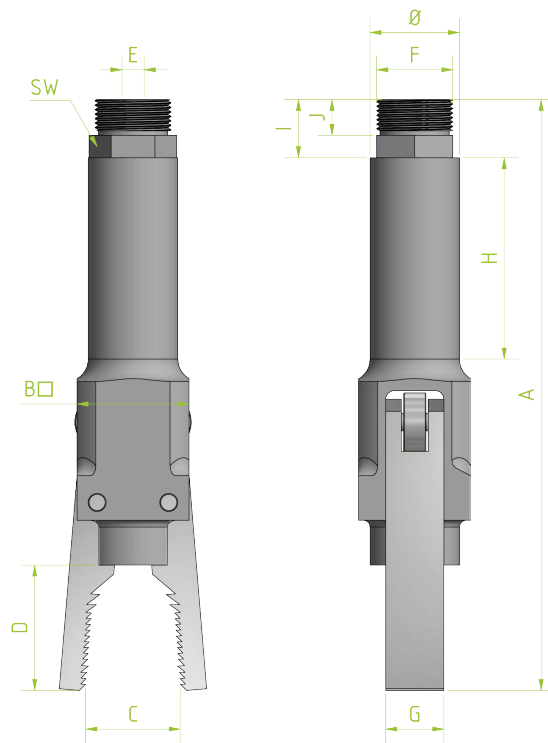
Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	SW
GK.140.001	20.0	132.0	25.0	23.0	28.0	M5.0	M17x1	13.0	45.0	13.0	8.0	17.0



Mit Sensor erhältlich
Also available with sensor

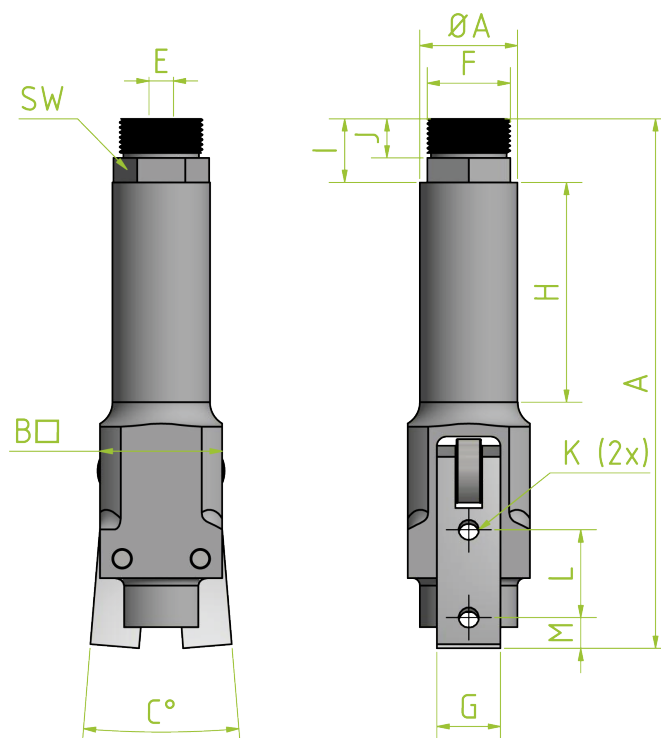
Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	SW
GK.140.001BG	20.0	132.0	25.0	22.0	28.0	M5.0	M17x1	13.0	45.0	13.0	8.0	17.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



Mit Sensor erhältlich
Also available with sensor

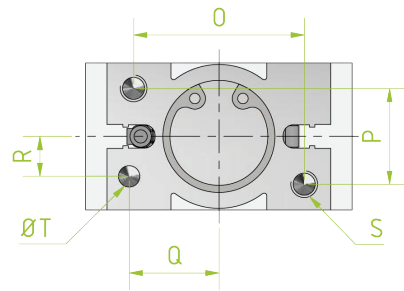
Artikel-Nr.	Ø	A	B	C	D	E	F	G	H	I	J	SW
GK.140.003	20.0	131.0	25.0	21.0	28.0	M5.0	M17x1	13.0	45.0	13.0	8.0	17.0



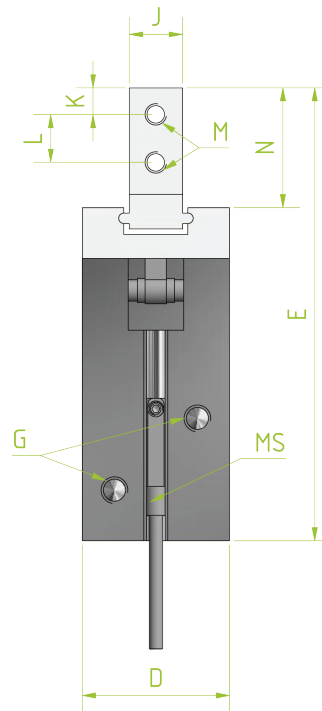
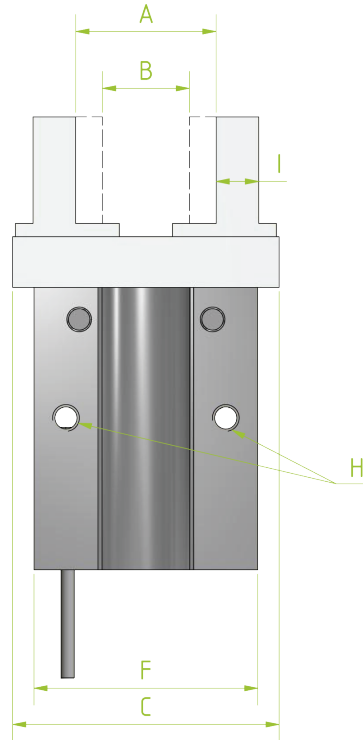
Mit Sensor erhältlich
Also available with sensor

Artikel-Nr.	Ø	A	B	C	E	F	G	H	I	J	K	L	M	SW
GK.140.029	20.0	108.0	25.0	9.0	M5.0	M17x1	13.0	45.0	13.0	8.0	5.0	18.0	5.5	17.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

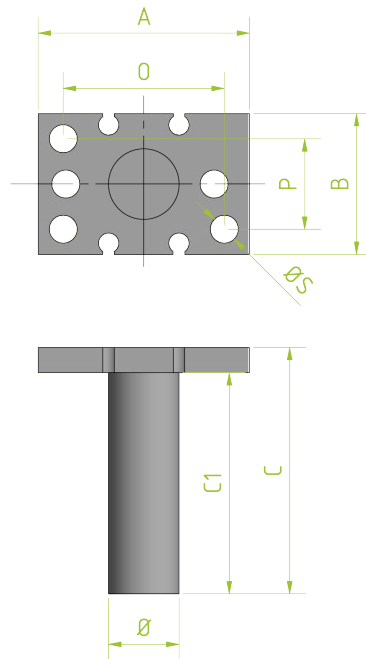


Mit Sensor erhältlich
Also available with sensor

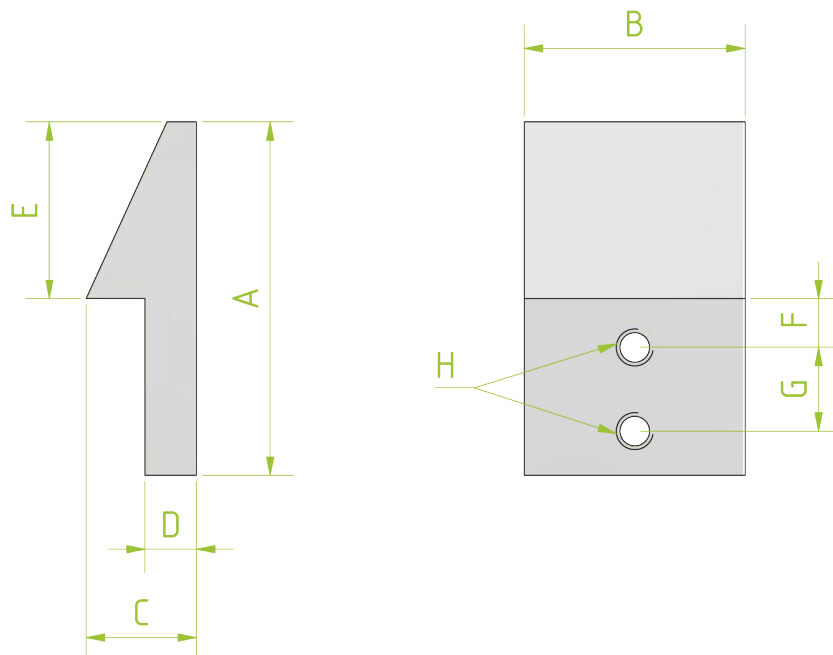


Artikel-Nr	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
GK.17.008	15.0	11.0	29.0	16.4	57.0	23.0	3.0	3.0	4.0	5.0	3.0	5.7	2.5	13.0	18.0	12.0	7.6	5.2	3.0	2.0
GK.17.009	21.3	14.5	38.0	23.6	67.5	30.6	5.0	4.0	5.0	8.0	4.0	7.5	3.0	17.5	22.0	15.0	11.0	6.5	4.0	3.0
GK.17.010	26.5	16.0	50.0	27.6	85.0	42.0	5.0	5.0	8.0	10.0	5.0	9.0	4.0	22.5	32.0	18.0	16.8	7.5	5.0	4.0
GK.17.011	33.6	18.7	63.0	33.6	102.8	52.0	5.0	6.0	10.0	12.0	6.0	12.0	5.0	28.0	40.0	22.0	21.8	10.0	6.0	4.0
GK.17.012	48.0	26.0	97.0	40.0	113.0	60.0	5.0	6.0	12.0	15.0	7.0	14.0	6.0	29.0	46.0	26.0	23.0	12.0	6.0	5.0
GK.17.013	60.0	30.0	119.0	48.0	139.0	72.0	5.0	6.0	14.0	18.0	9.0	17.0	8.0	36.0	56.0	32.0	29.0	14.0	8.0	5.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

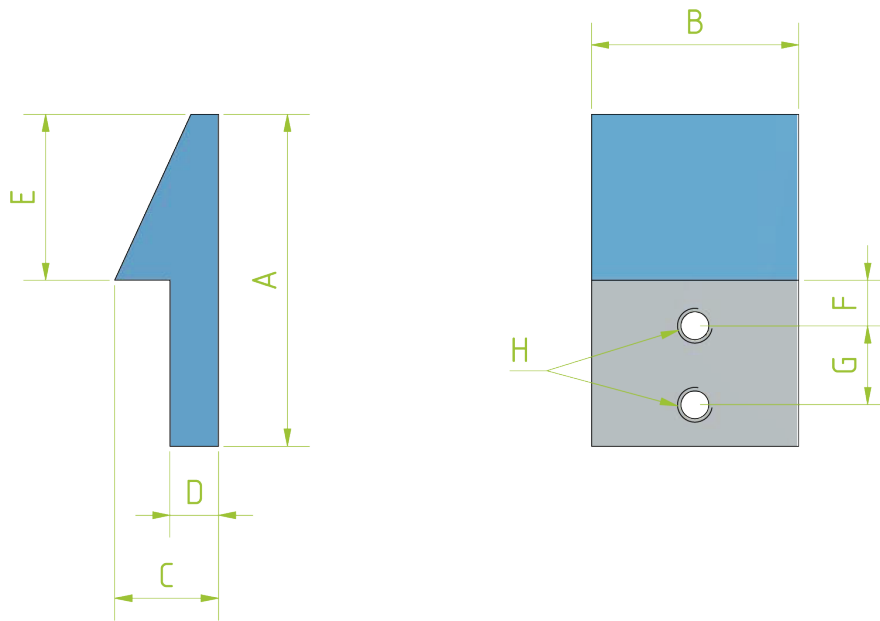


Artikel-Nr.	Ø	A	B	C	C1	O	P	S
GK.17.098	10.0	23.0	16.5	41.0	36.0	18.0	12.0	3.4
GK.17.099	14.0	31.0	24.0	50.0	45.0	22.0	15.0	4.3
GK.17.100	14.0	42.0	28.0	49.0	44.0	32.0	18.0	5.5



Artikel-Nr.	A	B	C	D	E	F	G	H
GB.17.008	24.0	15.0	7.5	3.5	12.0	3.3	5.7	M2.5
GB.17.009	30.0	20.0	9.0	4.0	15.0	4.0	7.5	M3.0
GB.17.010	34.0	20.0	9.0	4.0	15.0	5.5	9.0	M4.0

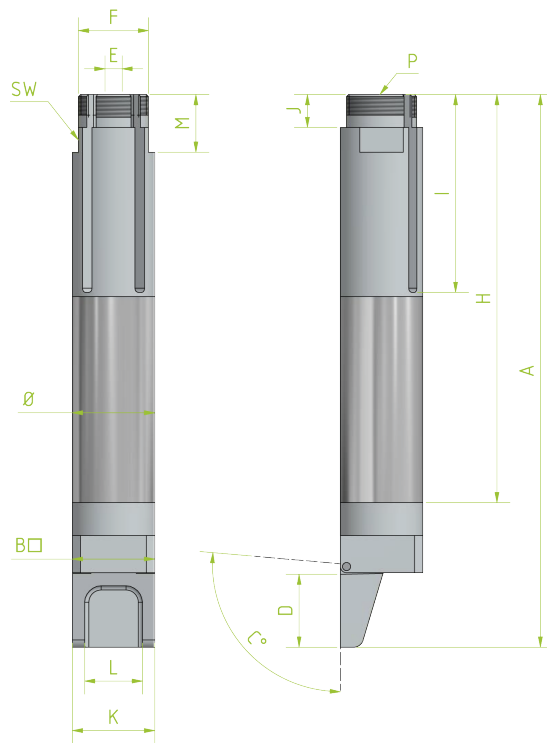
Alle Maßangaben in Millimeter | All measurements are in millimeters



Artikel-Nr.	A	B	C	D	E	F	G	H
GB.17.008BS	24.0	15.0	7.5	3.5	12.0	3.3	5.7	M2.5
GB.17.009BS	30.0	20.0	9.0	4.0	15.0	4.0	7.5	M3.0
GB.17.010BS	34.0	20.0	9.0	4.0	15.0	5.5	9.0	M4.0
GB.17.010BS-1	34.0	20.0	9.0	3.0	15.0	5.5	9.0	M4.0

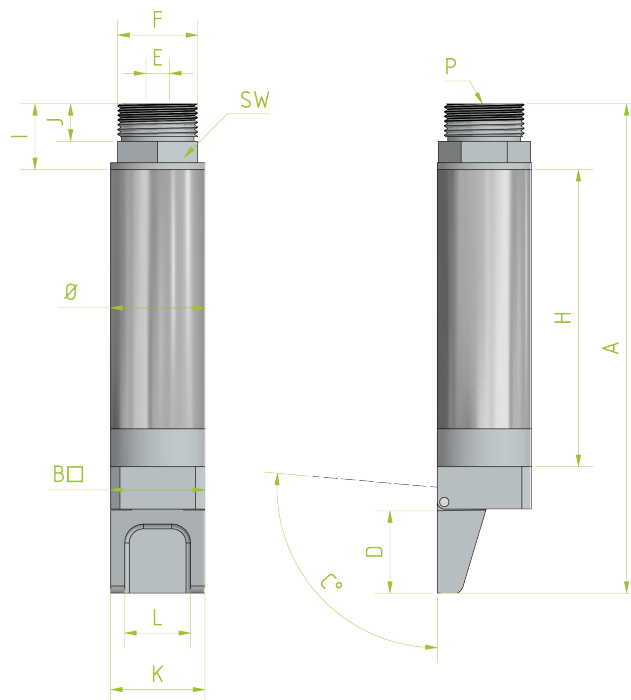
Alle Maßangaben in Millimeter | All measurements are in millimeters

95°



Artikel-Nr.	Ø	A	B	C	D	E	F	H	I	J	K	L	M	SW
GK.19.001	20.0	134.0	20.0	95.0	17.5	M5.0	M17x1	99.0	48.0	8.0	20.0	14.0	14.0	17.0

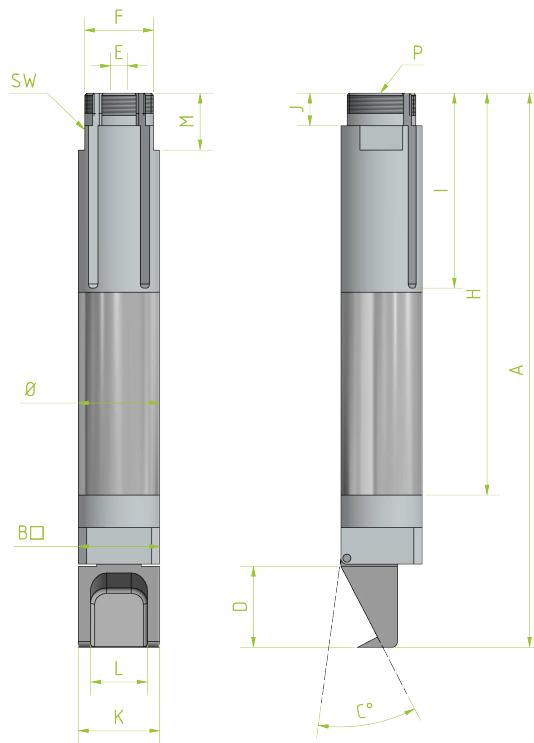
95°



Artikel-Nr.	Ø	A	B	C	D	E	F	H	I	J	K	L	SW
GK.19.005	14.0	72.0	14.0	95.0	11.0	M5.0	M12x1	40.0	9.5	5.5	14.0	10.0	12.0
GK.19.003	20.0	103.5	20.0	95.0	17.5	M5.0	M17x1	63.0	14.0	18.0	20.0	14.0	17.0

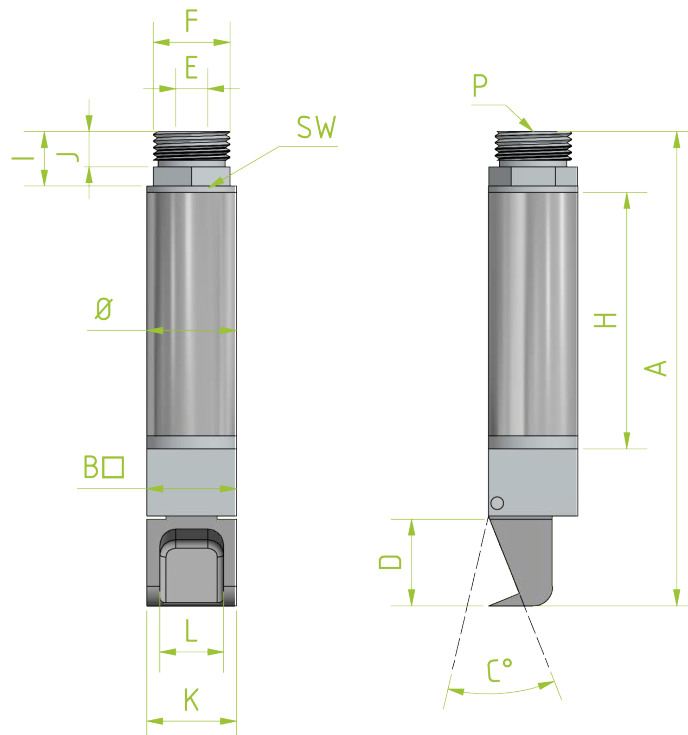
Alle Maßangaben in Millimeter | All measurements are in millimeters

35°



Artikel-Nr.	Ø	A	B	C	D	E	F	H	I	J	K	L	M	SW
GK.19.002	20.0	136.5	20.0	35.0	20.0	M5.0	M17x1	99.0	48.0	8.0	20.0	14.0	14.0	17.0

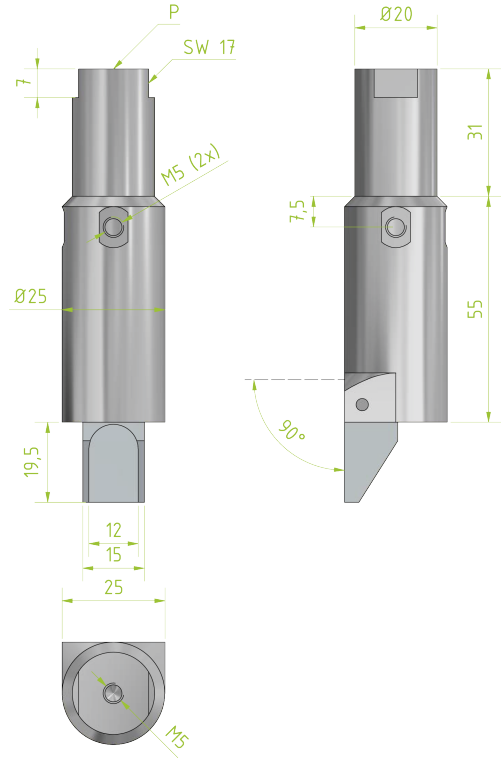
35°



Artikel-Nr.	Ø	A	B	C	D	E	F	H	I	J	K	L	SW
GK.19.006	14.0	74.0	14.0	35.0	13.5	M5.0	M12x1	40.0	8.5	5.5	14.0	10.0	12.0

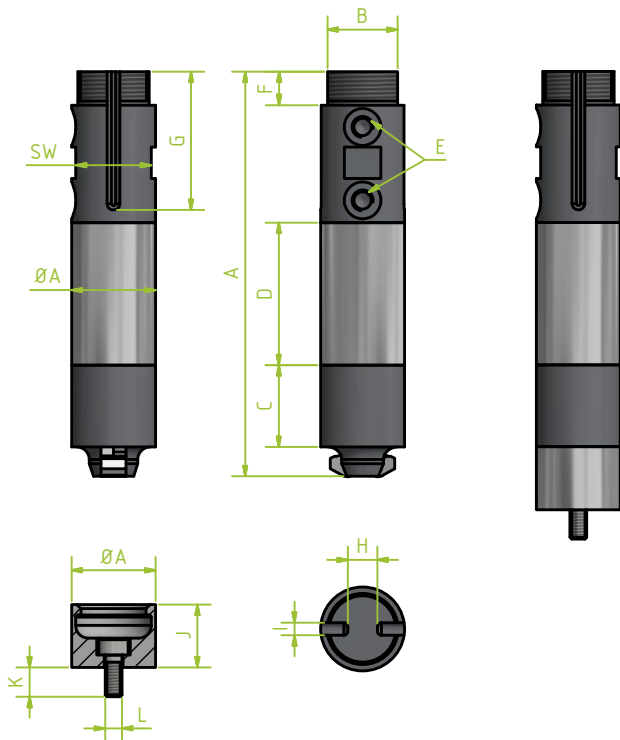
Alle Maßangaben in Millimeter | All measurements are in millimeters

GK.19.011



Zubehör

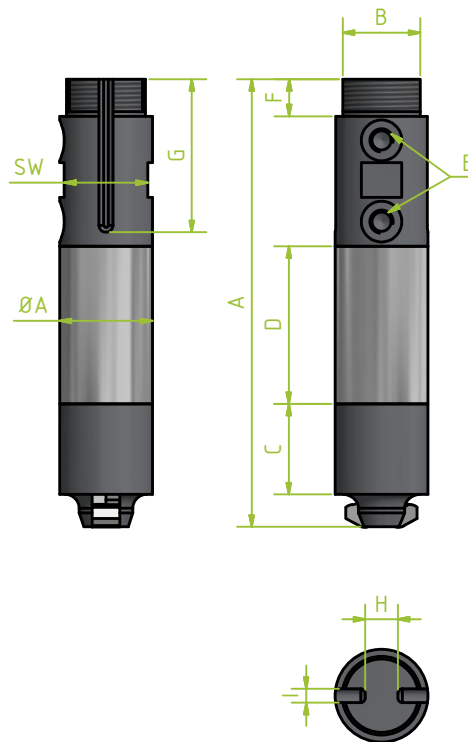
-



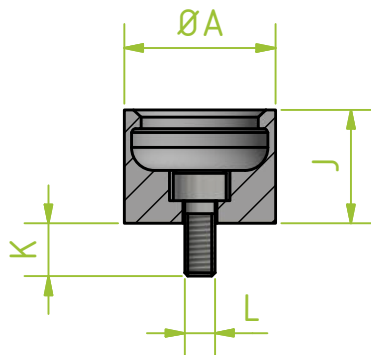
Mit Sensor erhältlich
Also available with sensor

Artikel-Nr.	ØA	A	B	C	D	E	F	G	H	I	J	K	L	SW
GK.140.048	20.0	96.5	M17.1	19.5	34.0	5.0	8.0	33.0	7.0	3.0	15.0	7.0	4.0	18.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

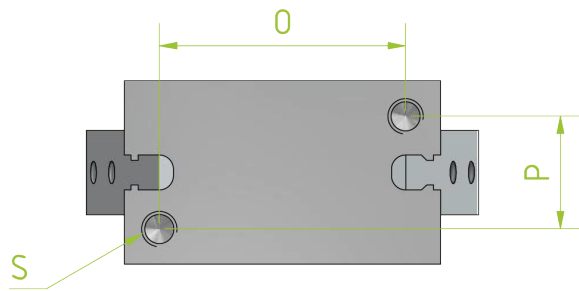


Artikel-Nr.	ØA	A	B	C	D	E	F	G	H	I	J	K	L	SW
GK.140.048-K	20.0	96.5	M17x1	19.5	34.0	M5.0	8.0	33.0	7.0	3.0	15.0	7.0	M4.0	18.0



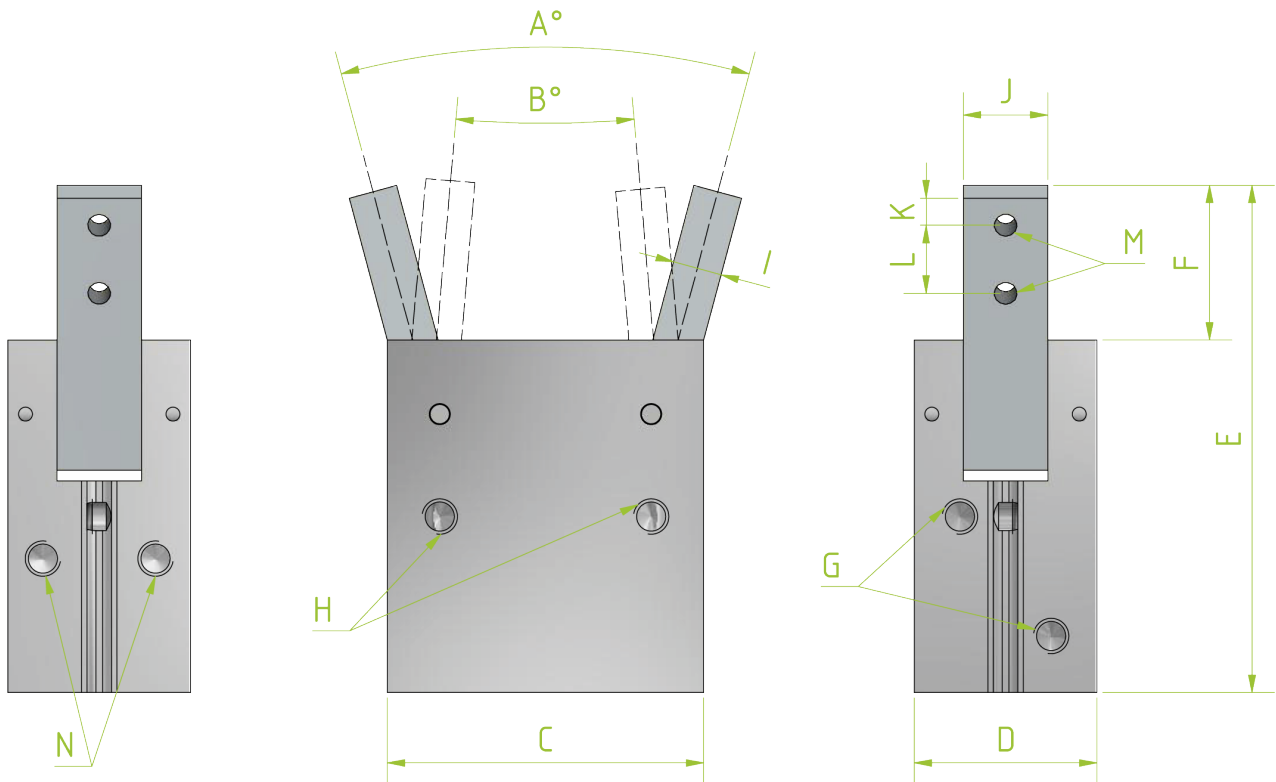
Artikel-Nr.	ØA	J	K	L
GK.140.048-S	20.0	15.0	7.0	M4.0

Alle Maßangaben in Millimeter | All measurements are in millimeters



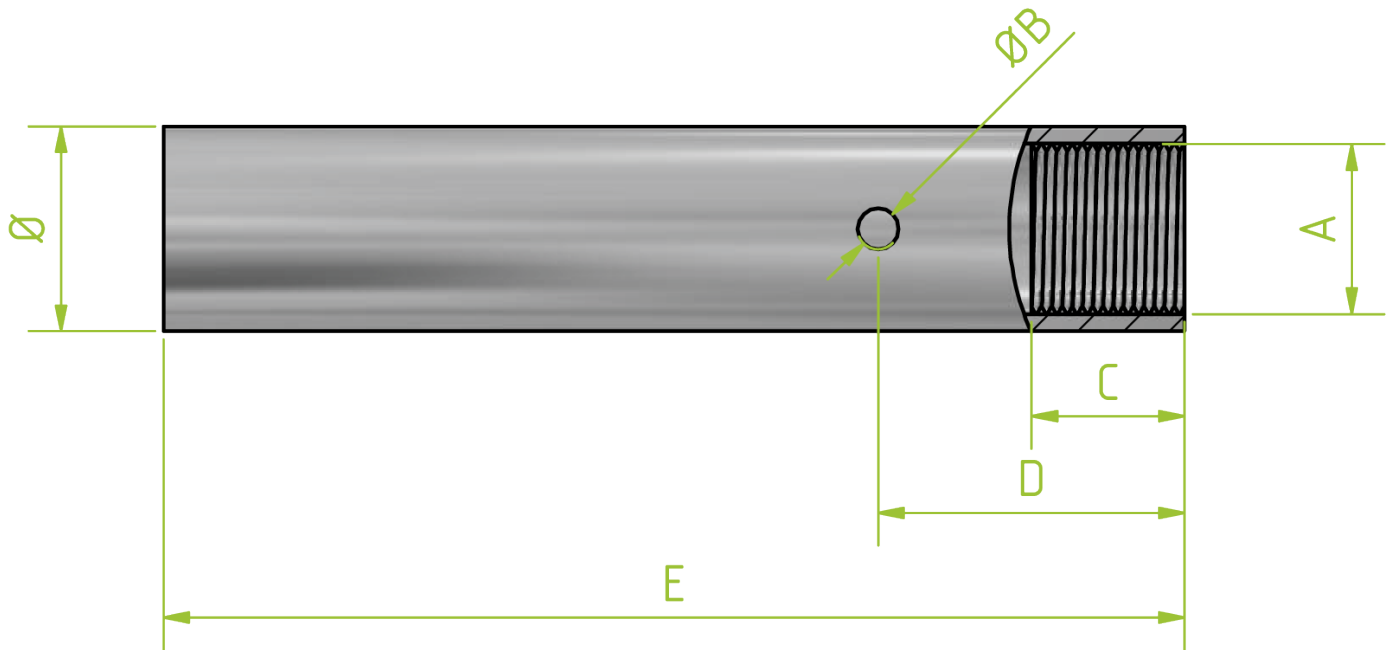
Mit Sensor erhältlich

Also available with sensor



Artikel-Nr.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	S
GK.18.001	30.0	10.0	28.0	16.0	54.4	15.4	M3x5	20.0	5.0	7.0	3.0	6.0	M3.0	M3x5	22.0	10.0	M3x5
GK.18.002	30.0	10.0	34.0	22.0	60.0	17.5	M5x5	24.0	6.0	9.0	3.0	8.0	M3.0	M4x7	26.0	14.0	M4x7
GK.18.003	30.0	10.0	45.0	26.0	72.0	22.0	M5x5	30.0	7.0	12.0	4.0	10.0	M4.0	M5x8	35.0	16.0	M5x8

Alle Maßangaben in Millimeter | All measurements are in millimeters



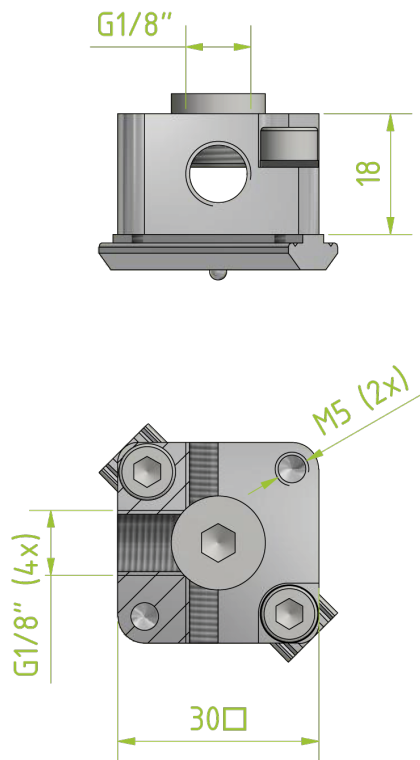
Artikel-Nr.	Ø	A	B	C	D	E
GK.16.001	10.0	M8x1	5.0	13.0	25.0	100.0
GK.16.002	14.0	M12x1	4.0	10.0	30.0	100.0
GK.16.003	20.0	M17x1	4.0	15.0	30.0	100.0



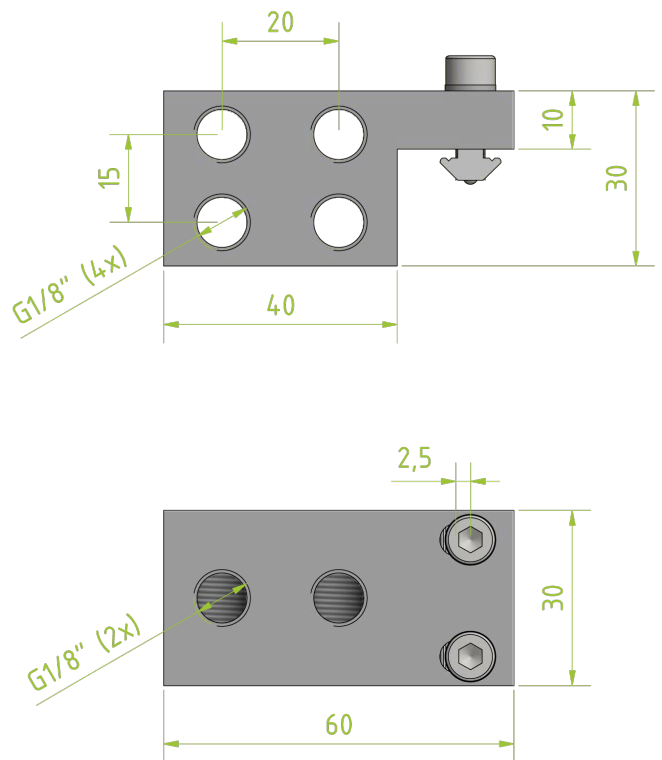
Artikel-Nr.	A	B	C	D
GK.15.001	10.0	M8x1	40.0	50.0
GK.15.002	14.0	M12x1	85.0	100.0
GK.15.003	20.0	M17x1	135.0	150.0

Alle Maßangaben in Millimeter | All measurements are in millimeters

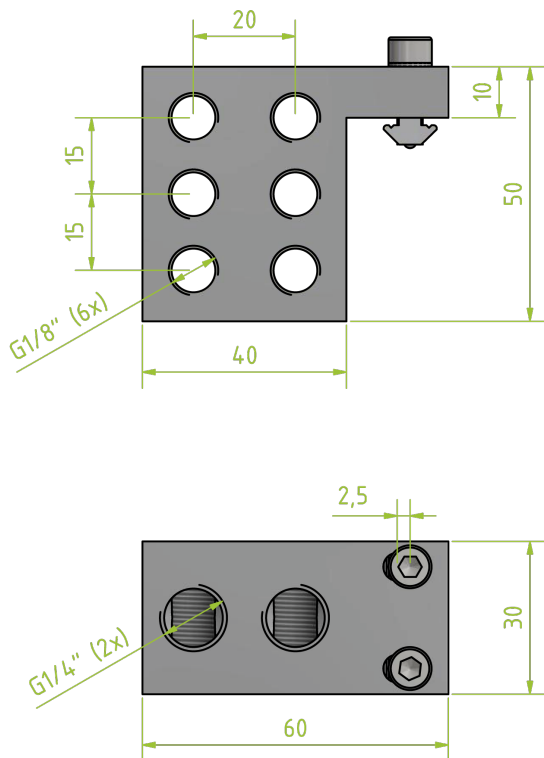
GK.12.001



GK.12.002



GK.12.003



Alle Maßangaben in Millimeter | All measurements are in millimeters

GB.17.008.....	48	GK.03.006.....	22
GB.17.008BS.....	49	GK.03.007.....	22
GB.17.009.....	48	GK.03.008.....	22
GB.17.009BS.....	49	GK.03.009.....	22
GB.17.010.....	48	GK.03.010.....	23
GB.17.010BS.....	49	GK.03.011.....	23
GB.17.010BS-1.....	49	GK.03.012.....	23
GK.01.002.OK.....	6	GK.03.013.....	23
GK.01.003.....	9	GK.03.014.....	23
GK.01.003.OB.....	8	GK.03.015.....	23
GK.01.003.ON.....	8	GK.03.016.....	23
GK.01.005.OK.....	6	GK.03.017.....	23
GK.01.006.....	9	GK.03.018.....	23
GK.01.006.OB.....	8	GK.03.019.....	23
GK.01.006.ON.....	8	GK.03.020.....	23
GK.01.008.OK.....	7	GK.04.001.....	19
GK.01.009.....	9	GK.04.002.....	19
GK.01.009.OB.....	8	GK.04.003.....	19
GK.01.009.ON.....	8	GK.04.004.....	19
GK.01.011.....	7	GK.04.005.....	19
GK.01.012.....	9	GK.04.006.....	19
GK.01.014.G.....	10	GK.05.003.....	18
GK.01.014.R.....	10	GK.05.005.....	18
GK.01.015.G.....	11	GK.05.006.....	18
GK.01.015.R.....	11	GK.05.007.....	18
GK.01.015.R-LSV.....	12	GK.05.008.....	18
GK.01.015.R-SV.....	12	GK.06.001.....	20
GK.01.016.G.....	13	GK.06.002.....	20
GK.01.016.R.....	13	GK.06.020.....	21
GK.01.030.....	9	GK.06.025.....	21
GK.01.031.....	9	GK.08.001.....	21
GK.01.032.....	9	GK.09.001.....	24
GK.02.001.....	15	GK.09.003.....	24
GK.02.002.....	15	GK.09.004.....	24
GK.02.003.....	15	GK.09.005A.....	24
GK.02.004.....	15	GK.09.006.....	24
GK.02.006.....	16	GK.09.008A.....	24
GK.02.007.....	16	GK.09.009.....	25
GK.03.001.....	22	GK.09.010.....	25
GK.03.002.....	22	GK.09.011.....	26
GK.03.003.....	22	GK.09.012.....	26
GK.03.004.....	22	GK.09.013.....	26
GK.03.005.....	22	GK.09.014.....	26

Artikelnummern | Index

GK.09.901.....	29	GK.13.039.....	32
GK.09.902.....	29	GK.13.046.....	32
GK.09.903.....	29	GK.13.047.....	32
GK.09.904.....	29	GK.13.048.....	32
GK.09.905.....	29	GK.14.001.....	34
GK.09.906.....	29	GK.14.002.....	34
GK.10.001.....	27	GK.14.003.....	34
GK.10.003.....	27	GK.14.004.....	34
GK.10.004.....	27	GK.14.005.....	34
GK.100.001.....	24	GK.14.006.....	34
GK.100.002.....	34	GK.14.019.....	34
GK.11.001.....	28	GK.14.020.....	34
GK.11.002.....	28	GK.14.021.....	34
GK.11.004.....	28	GK.14.022.....	37
GK.11.005.....	28	GK.14.023.....	37
GK.11.006.....	28	GK.14.024.....	37
GK.11.008.....	28	GK.14.025.....	37
GK.11.009.....	29	GK.14.026.....	37
GK.11.010.....	29	GK.14.027.....	37
GK.11.012.....	29	GK.14.034.....	37
GK.11.013.....	30	GK.14.035.....	37
GK.11.014.....	30	GK.14.036.....	37
GK.11.016.....	30	GK.14.037.....	37
GK.12.001.....	56	GK.14.038.....	37
GK.12.002.....	56	GK.14.039.....	37
GK.12.003.....	56	GK.14.040.....	34
GK.13.001.....	31	GK.14.041.....	34
GK.13.002.....	31	GK.14.042.....	34
GK.13.003.....	31	GK.14.043.....	34
GK.13.010.....	31	GK.14.052.....	34
GK.13.011.....	31	GK.14.053.....	34
GK.13.012.....	31	GK.140.001.....	45
GK.13.022.....	31	GK.140.001BG.....	45
GK.13.023.....	31	GK.140.003.....	46
GK.13.024.....	31	GK.140.021.....	16
GK.13.025.....	32	GK.140.024.....	35
GK.13.026.....	32	GK.140.025-X.....	16
GK.13.027.....	32	GK.140.026.....	17
GK.13.034.....	32	GK.140.027.....	38
GK.13.035.....	32	GK.140.028.....	38
GK.13.036.....	32	GK.140.029.....	46
GK.13.037.....	32	GK.140.030.....	36
GK.13.038.....	32	GK.140.031.....	36

GK.140.032.....	35	GK.17.098.....	48
GK.140.033.....	35	GK.17.099.....	48
GK.140.034.....	35	GK.17.100.....	48
GK.140.035.....	35	GK.18.001.....	54
GK.140.036.....	35	GK.18.002.....	54
GK.140.037.....	35	GK.18.003.....	54
GK.140.038.....	35	GK.19.001.....	50
GK.140.039.....	17	GK.19.002.....	51
GK.140.041.....	20	GK.19.003.....	50
GK.140.042.....	20	GK.19.005.....	50
GK.140.043.....	25	GK.19.006.....	51
GK.140.044.....	38	GK.19.011.....	52
GK.140.045.....	38	GK.20.012.....	44
GK.140.048.....	52	GK.20.013.....	44
GK.140.048-K.....	53	MG.3010.....	39
GK.140.048-S.....	53	MG.4010.....	39
GK.140.049.....	33	MG.4010BG.....	40
GK.140.050.....	33	MG.4010MS.....	39
GK.140.055.....	33	MG.4010SZ.....	40
GK.140.056.....	33	MG.5010.....	39
GK.140.058.....	27	MG.5010MS.....	39
GK.140.059.....	27	MG.6010.....	39
GK.140.060.....	27	MG.6010MS.....	39
GK.140.062.....	38	MG.6510.....	39
GK.140.063.....	38	MG.6510BB.....	41
GK.140.064.....	38	MG.6510BG.....	40
GK.140.065.....	38	MG.6510OV.....	41
GK.140.066.....	21	MG.6510SZ.....	40
GK.140.067.....	38	MG.6510TS.....	42
GK.140.068.....	33	MG.7010.....	43
GK.140.069.....	33	SWR.150G.M.....	14
GK.15.001.....	55	SWR.90G.M.....	14
GK.15.002.....	55	SWR.90G.M-S.....	14
GK.15.003.....	55		
GK.16.001.....	55		
GK.16.002.....	55		
GK.16.003.....	55		
GK.17.008.....	47		
GK.17.009.....	47		
GK.17.010.....	47		
GK.17.011.....	47		
GK.17.012.....	47		
GK.17.013.....	47		