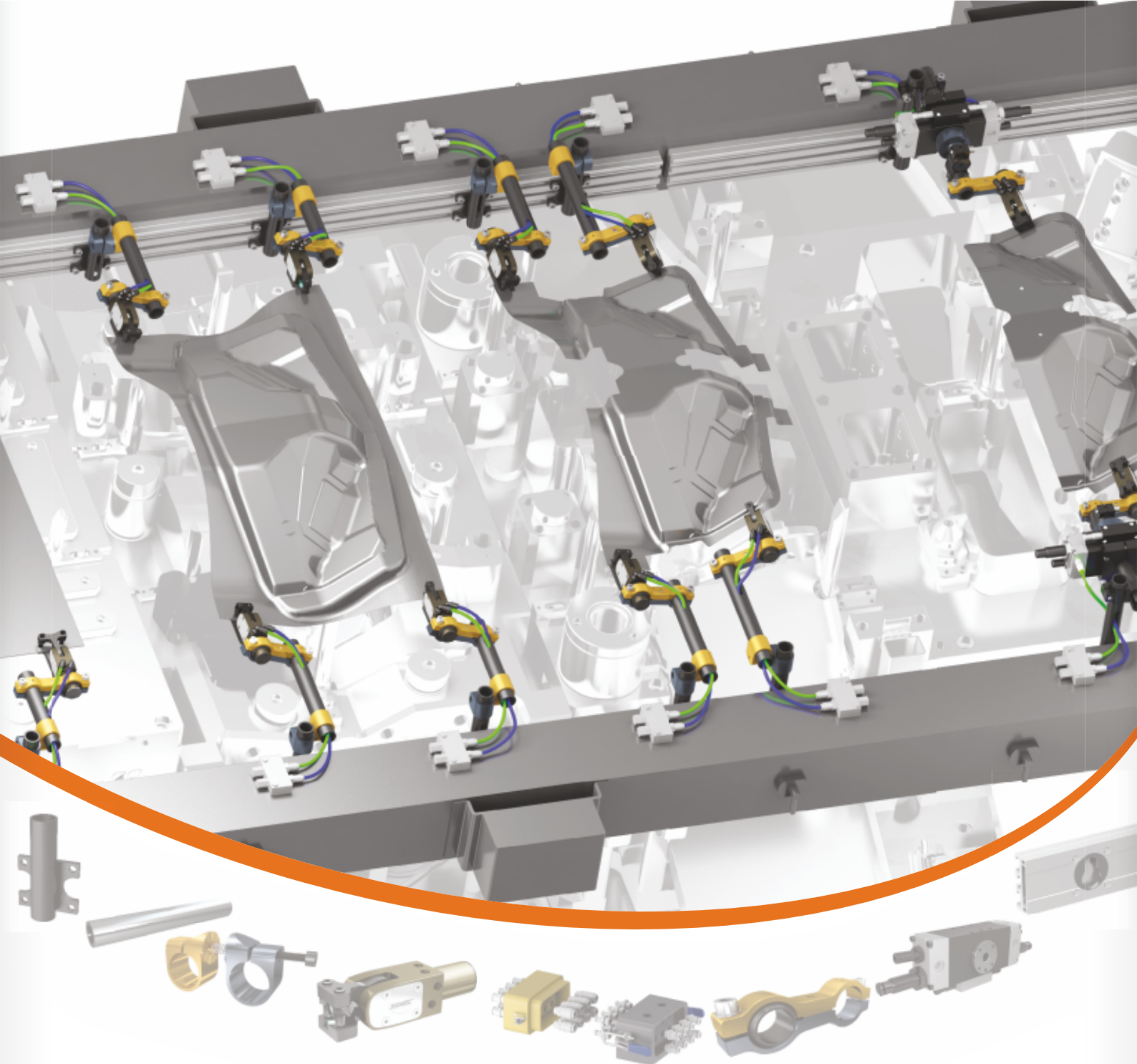
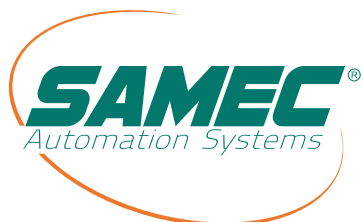




THG

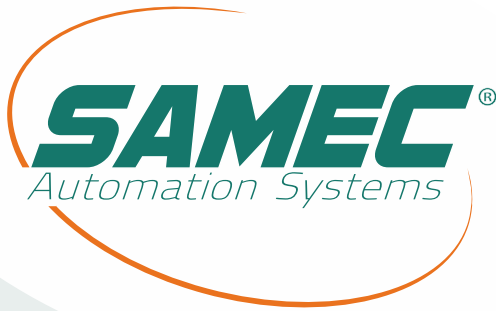
*Standard Parts
Automation
Tool Plates*



TRANSFER PRESS
Modular Tooling Systems

THG Normalien GmbH
Kieselstraße 6
56357 Miehlen

Tel +49 6772 22290
Fax +49 6772 222929
E-Mail: info@thg-normalien.de
Internet: www.thg-normalien.de



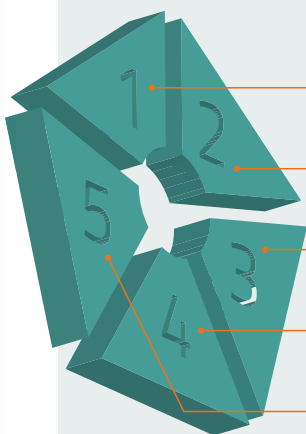
Über uns

Die **SAMEC GmbH** ist ein führendes Unternehmen in der Branche der Komponenten und Handlingsysteme für Transferpressenstraßen, das auf die Erfahrung aus über 2000 bereits realisierten Projekten zurückgreifen kann.

Die im Jahr 1974 gegründete SAMEC zeichnet sich aus durch Wissen, Kompetenz, Motivation und Einsatz der Mitarbeiter in der Ausarbeitung der am besten für Ihre Kunden geeigneten Lösungen.

Durch die Überwachung des kompletten Produktionsprozesses wird die Qualität und Zuverlässigkeit der Produkte und Systeme von SAMEC gewährleistet.

Konstruktion, Herstellung, Montage, Inbetriebnahme und Kundendienst erfolgen in perfekter Synergie zur Erzielung absolut hochwertiger Ergebnisse.



Konstruktion

Herstellung

Montage

Installation

Kundendienst

About us

SAMEC is a leading company in designing and manufacturing modular tooling components and systems for transfer presses with more than 2000 applications produced.

Since 1974 Samec stands out for knowledge, expertise, motivation and employee's engagement in developing the most suitable and profitable solutions for its clients.

The accurate control of the entire production chain guarantees the quality of Samec products and systems.

The perfect synergy between design, manufacture, assembly, installation and after sales brings up to flawless results.

Design

Manufacture

Assembly

Installation

After sales

Die Samec GmbH behält sich das Recht vor, die Inhalte dieses Katalogs ohne vorherige Ankündigung zu ändern

Samec reserves the right to modify this catalogue's content without prior notice



1.



Durchdachte **Planung** des gesamten Herstellungsprozesses von der Idee bis zur Produktfreigabe durch modernste Software.

Design that pays attention to the entire production chain, from concept to screening tests by using cutting edge softwares.



2.

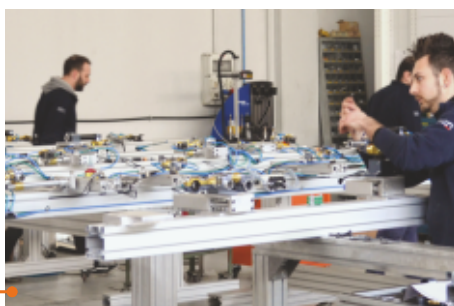


Die Herstellung unserer Produkte erfolgt unter Einsatz modernster Maschinen wie zum Beispiel 5-Achs-Fräsmaschinen DMG MORI SEIKI, Horizontalbearbeitungszentren MAKINO A51 und A61NX und Vertikalbearbeitungszentren MIKRON.

Manufacture employing advanced machinery, with 5 axis technology DMGMORI SEIKI, horizontal machining centers MAKINO A51 and A61 NX and vertical ones MIKRON.



3.



Montage durch speziell ausgebildetes Personal, das die Systeme zusammenbaut, anschließt und prüft.

Assembly of the systems in a dedicated area with skilled personnel that assembles, installs (pneumatics and electrics) and does the commissioning.



4.



Effiziente und termingerechte **Inbetriebnahme** am Produktionsstandort durch kompetentes und qualifiziertes Personal.

Installation in the production plant made by qualified technicians with promptness and efficiency.



5.



After Sales Service - drei Vertikallager mit mehr als 90% der Komponenten auf Lager gewährleisten eine schnelle Reaktion auf Bestellungen von neuen Produkten wie auch von Ersatzteilen.

After sales with just in time order fulfillment thanks to 3 vertical storages with over 90% standard components availability.

Die Automatisierung macht den Unterschied

Mehr als einfach nur Partner sind wir die verlängerte Werkbank Ihres Unternehmens.

Warum die Produkte von SAMEC wählen?

Eigenschaften und Vorteile

- optimales Preis-Leistungs-Verhältnis
- hohe Stabilität
- hohe Präzision
- einfache Montage
- exklusive Modulbauweise - perfekte Austauschbarkeit
- auf Anfrage kundenspezifische Ausführung
- reduziertes Gewicht und geringer Platzbedarf
für einen geringeren Bedarf an Energie und schnellere Transferzeiten
- Kosten und Zeitreduzierung: Installation, Produktion, Instandhaltung, Lagerhaltung



Let your imagination run wild
Solution
Strong bond
Create your own modular system
Free connection

More than just automation

We are more than simple partners, we are a proactive branch of your company.
We work for you and with you.

Why should you choose SAMEC?

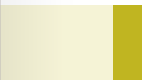
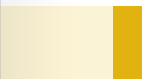
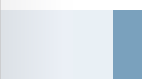
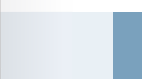
Features and benefits

- Excellent price/quality ratio
- Higher strength
- Higher precision
- Ease of assembly
- Exclusive modularity perfectly interchangeable
- Customization upon request
- Lightweight and smaller components
for less energy consumption and higher moving speed
- Costs and time savings for : installation, production, maintenance, warehousing

Inhaltsverzeichnis

Index



	Anwendungen Applications	pag. 7
	Halter Bar Mountings	pag. 19
	Verbindungsrohre Connection Tubes	pag. 29
	Klemmstück Brackets	pag. 31
	gezahnte Klemmstücke Gear Brackets	pag. 41
	Antriebsgruppen Turning Units	pag. 63
	Klemmgreifer Pneumatic Clamps	pag. 69
	mechanisches Zubehör für Klemmgreifer Mechanical Accessories	pag. 101
	Druckluftzubehör Pneumatical Accessories	pag. 109
	Elektrisches Zubehör Electrical Accessories	pag. 119
	Aluminiumprofile Aluminium Profiles	pag. 129
	Sonderanwendungen Special Applications	pag. 141

Anwendungen

Applications



SA25CC



SBQS-P



P-8030



SAPKO



UNURS



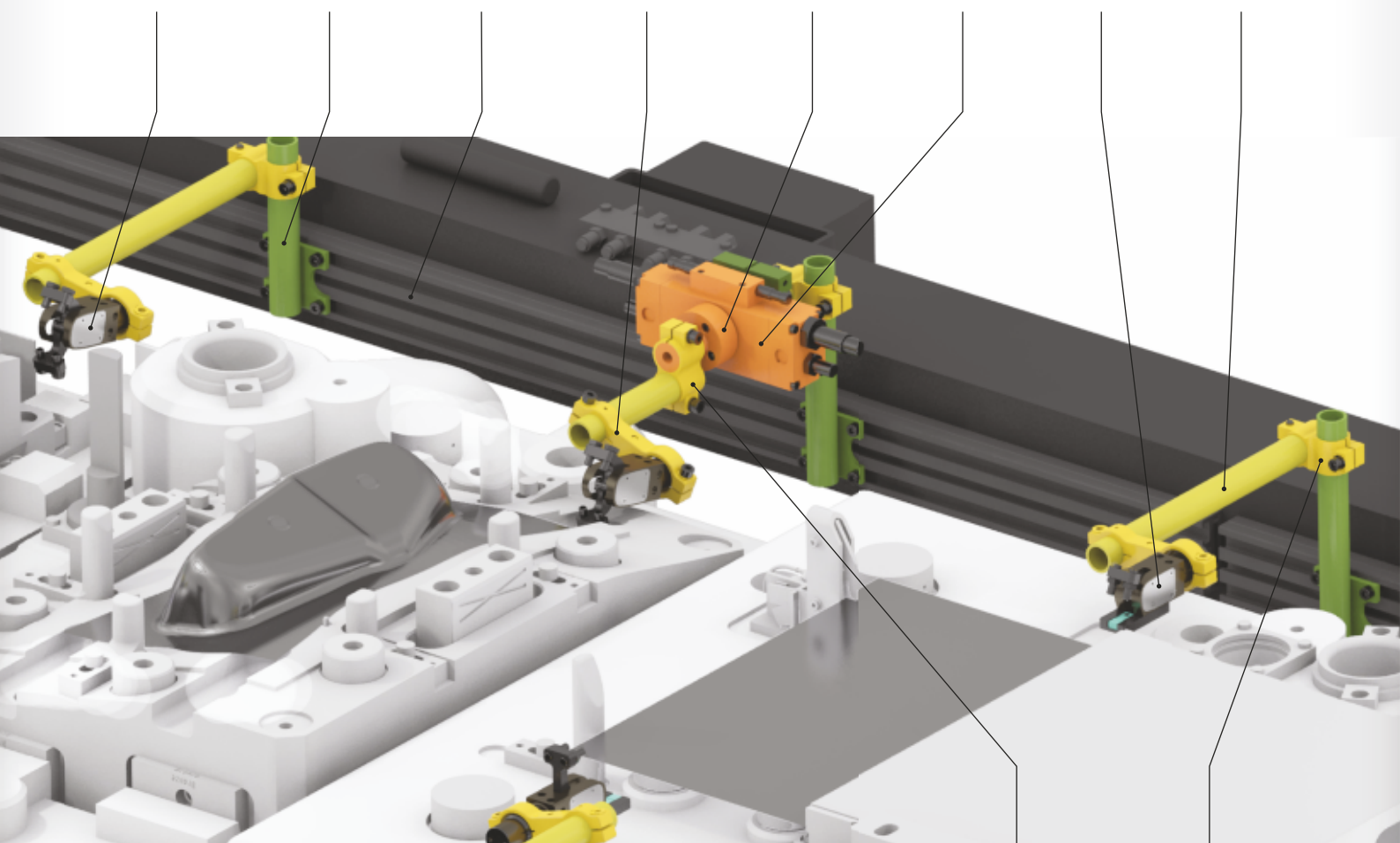
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SA25IC



SAPAS



Konsole



SAPKA



SATKA



SAPKO



SBNS-V



P-8030



SA25IC



KS



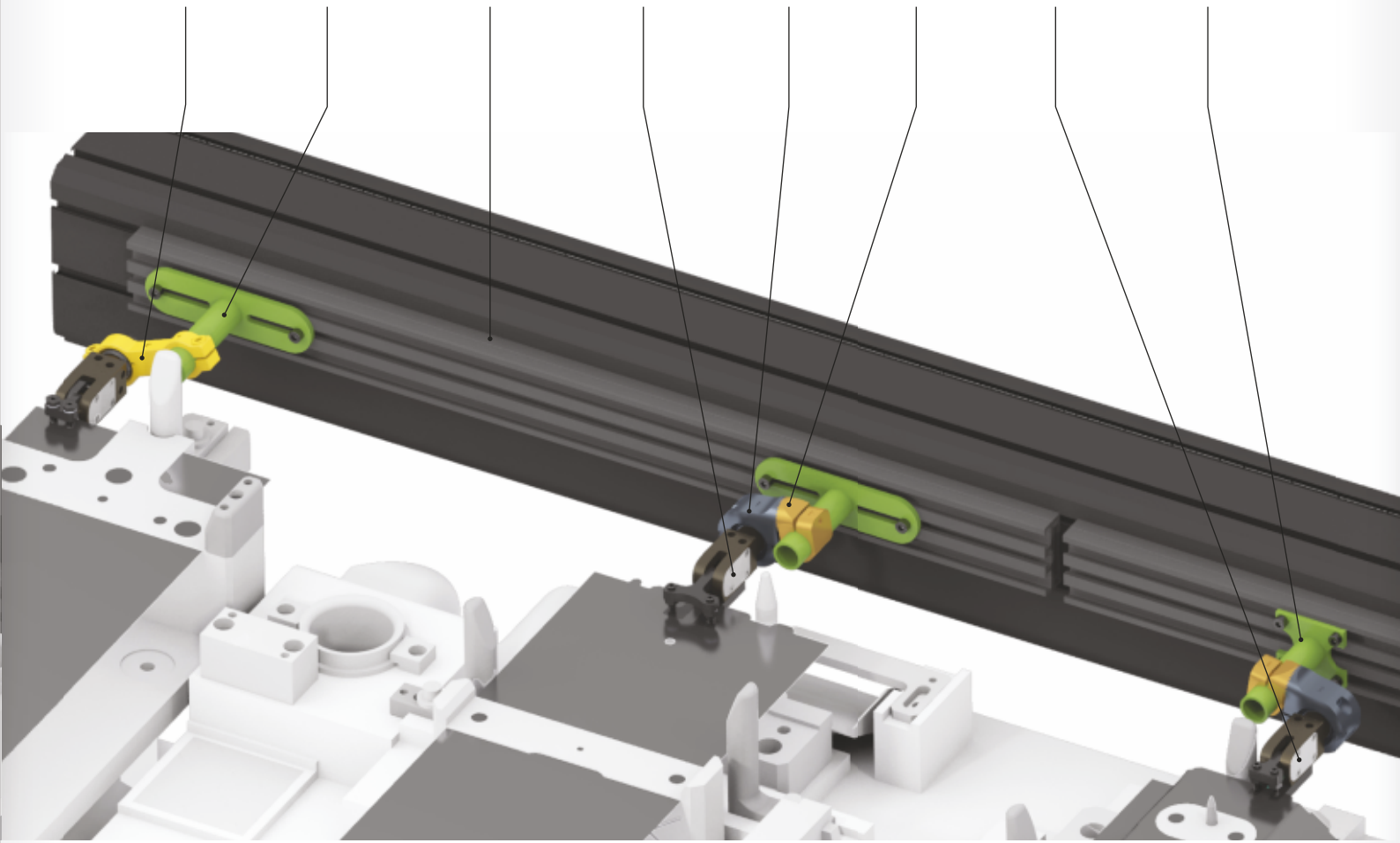
DF



SA25IC



SBQS-V



Träger Crash Box

Cross Crash Box



SA25IL



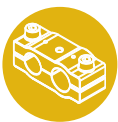
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SAT



SAPAT



SAPKR



SB2-40



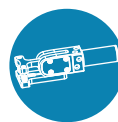
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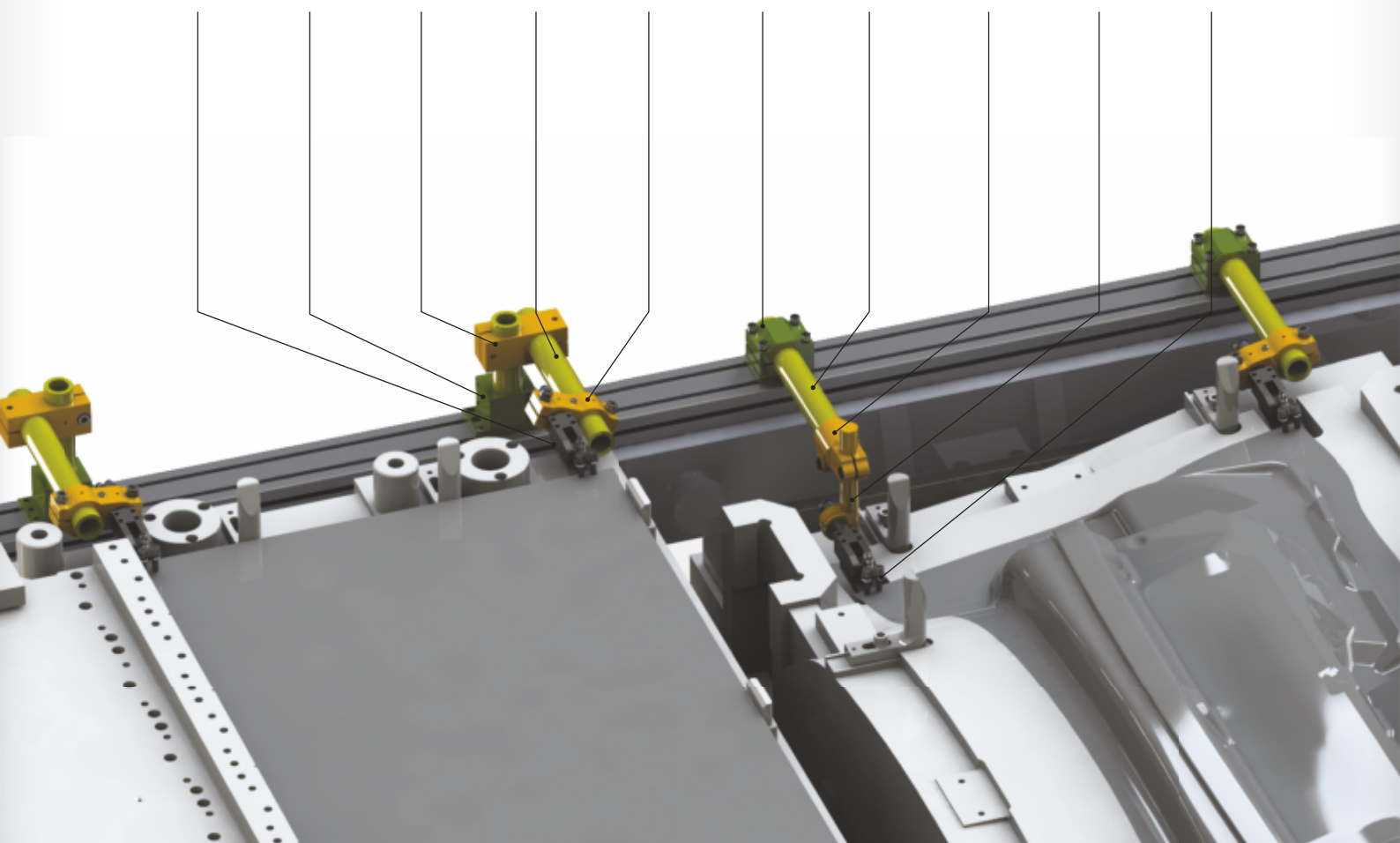
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SAES

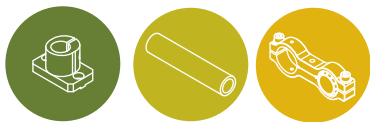


SA25IL



Querträger

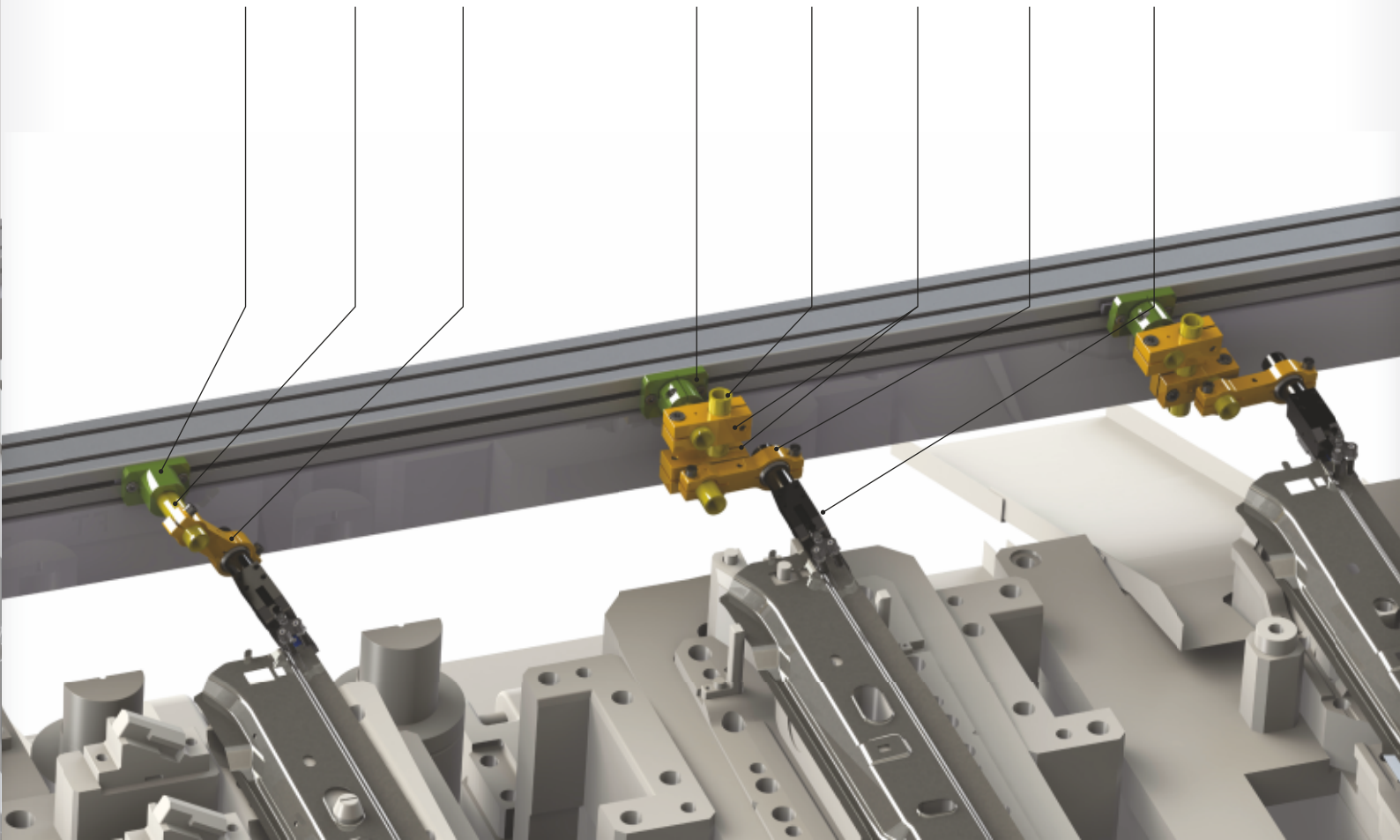
Cross Box



SBS-25 SAPAT SAPKO



SBS-25 SAPAT SAT SAPKO SA25IL



Träger Crash Box

Cross Crash Box



SATK



SAPAT



SB2-40



SAT



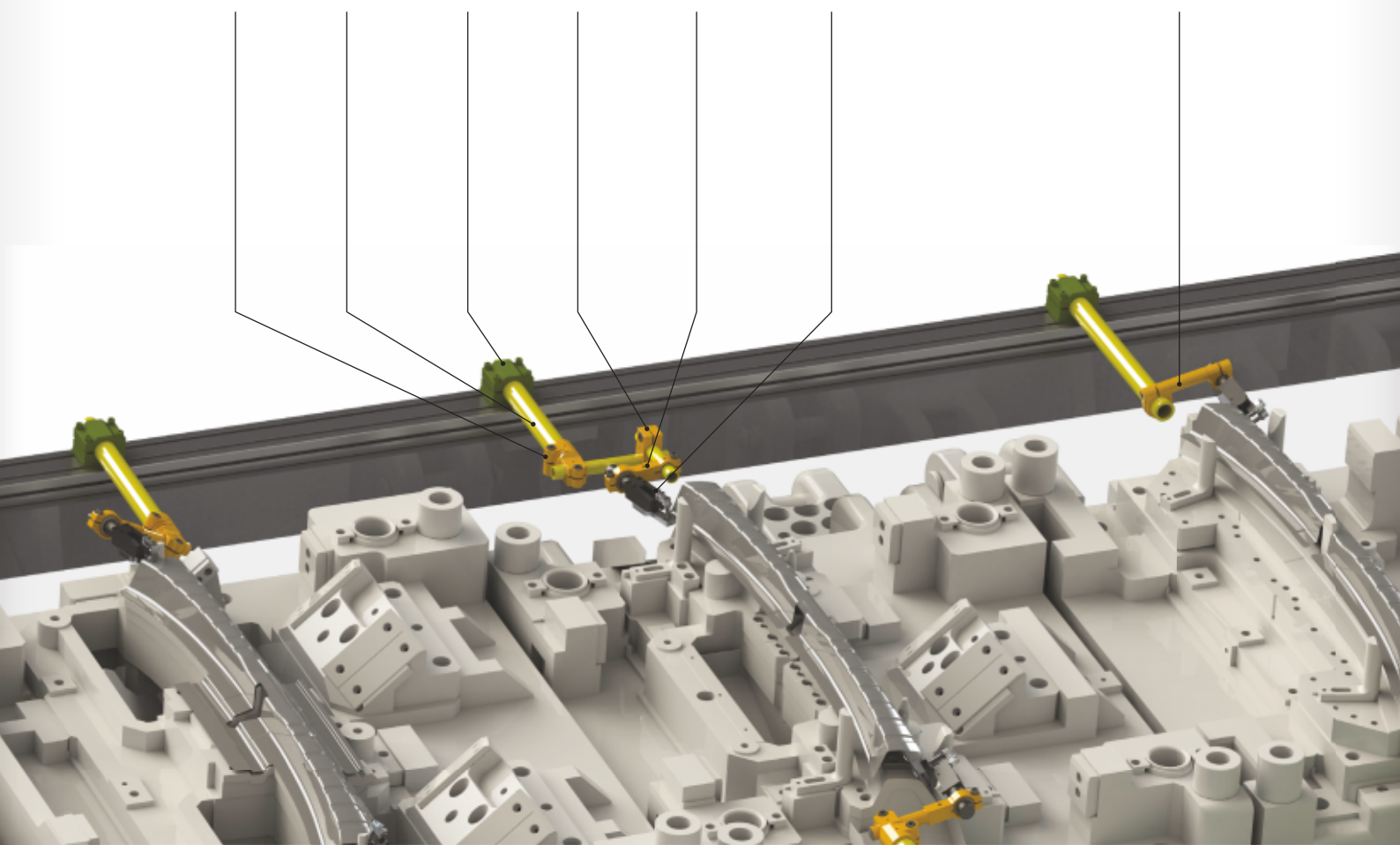
SAPKO



SA25IL



SAED



Vordere Traverse

Front Cross



SAPKO



SB2-40



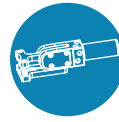
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URS



SAPKR



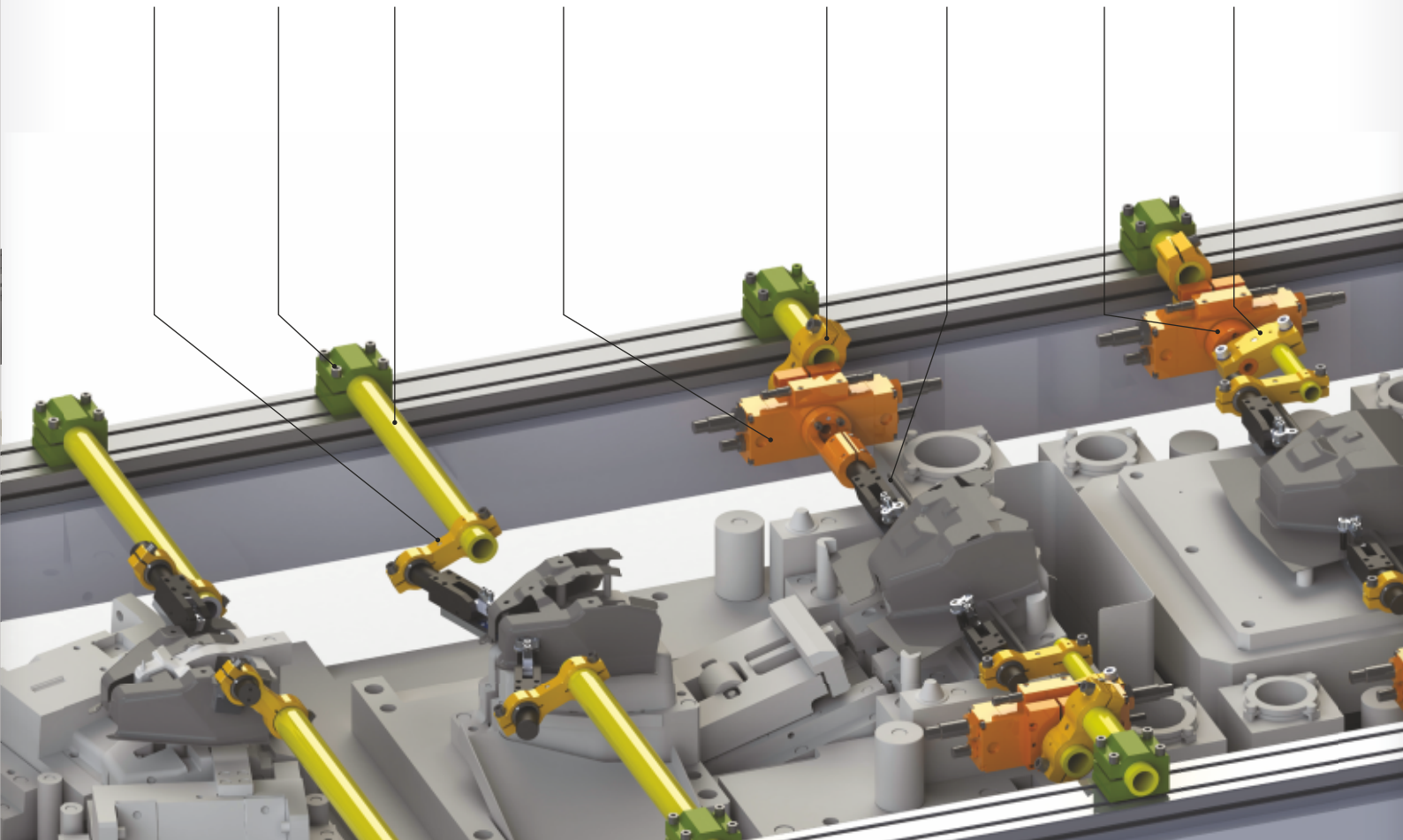
SA25IL



UNURS



SAPKR



Kupplungshalter

Web Fastener Bracket



SAPAT



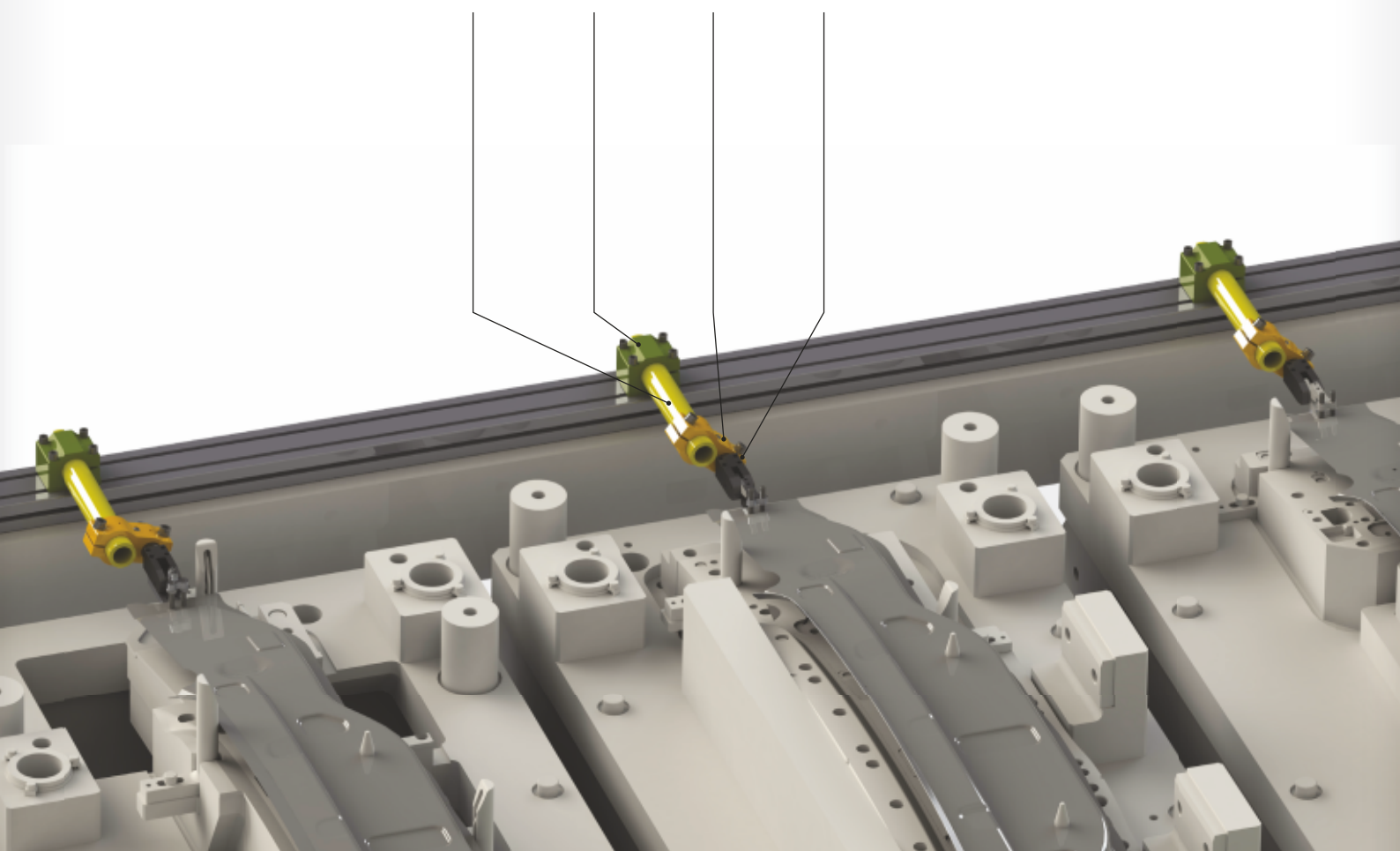
SB2-40



SAPKR



SA25IL



hintere Dachtraverse

Rear Cross Pavilion



SB2-40



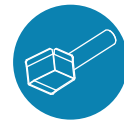
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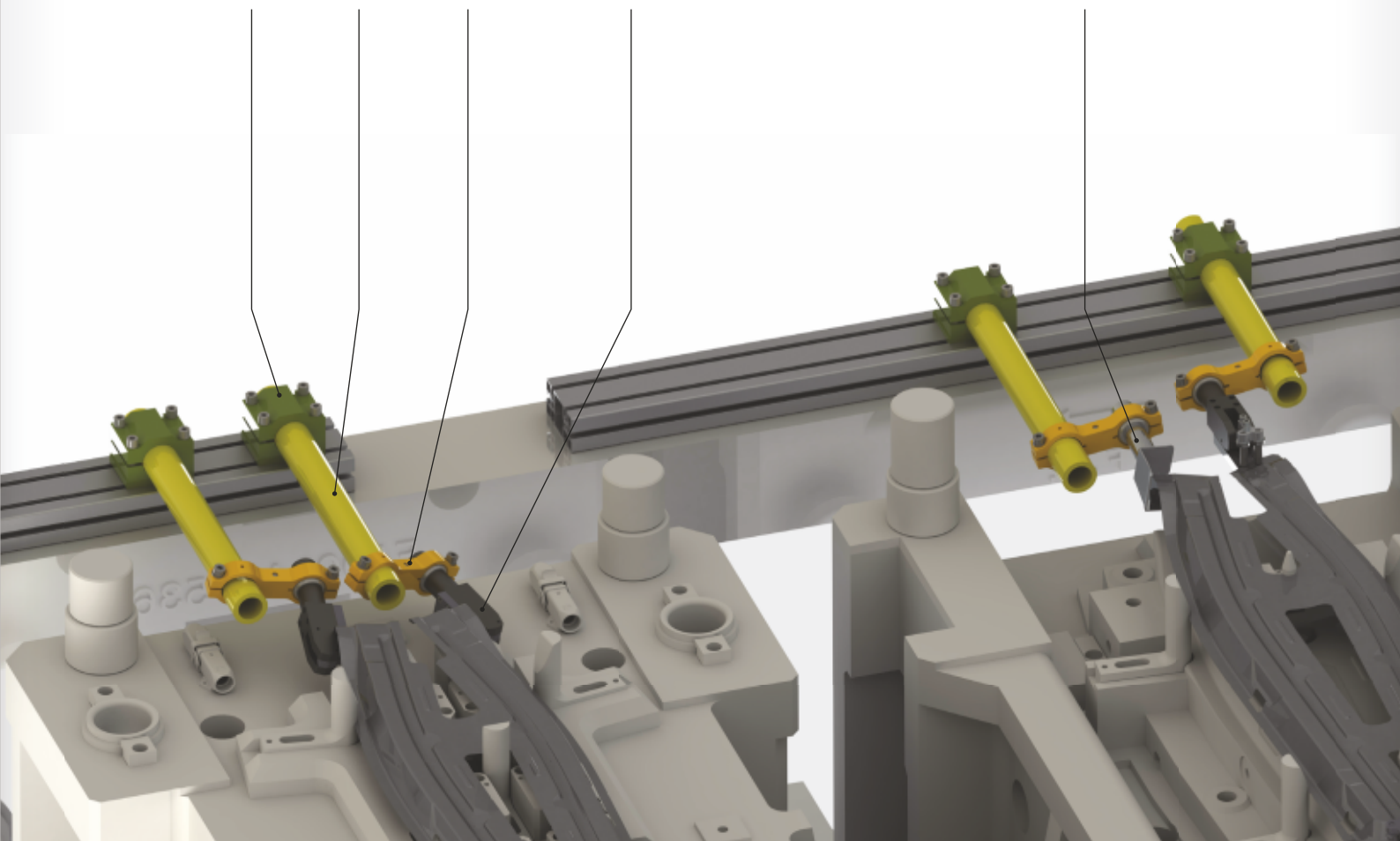
SAPKO



SA25LL



PAL



äußere hintere Türversteifung

External Reinforcement Belt in the Rear Door



DF



DM



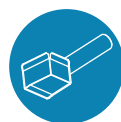
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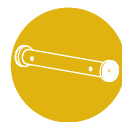
KS



SA25IL



PAL



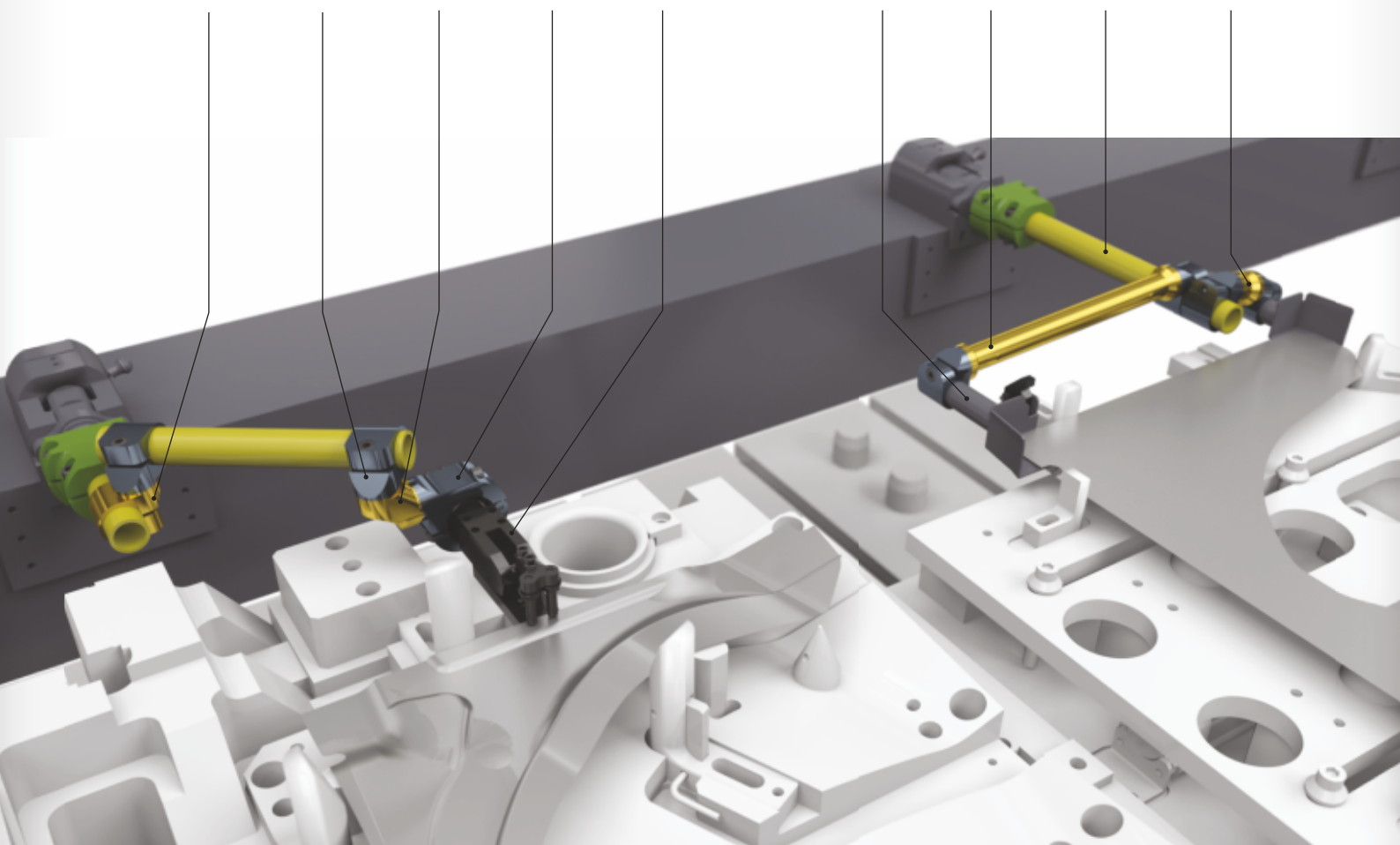
B



SAPAT



P



oberer Kontrollarm

Control Arm Upper



SAPAT



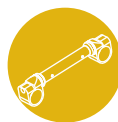
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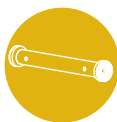
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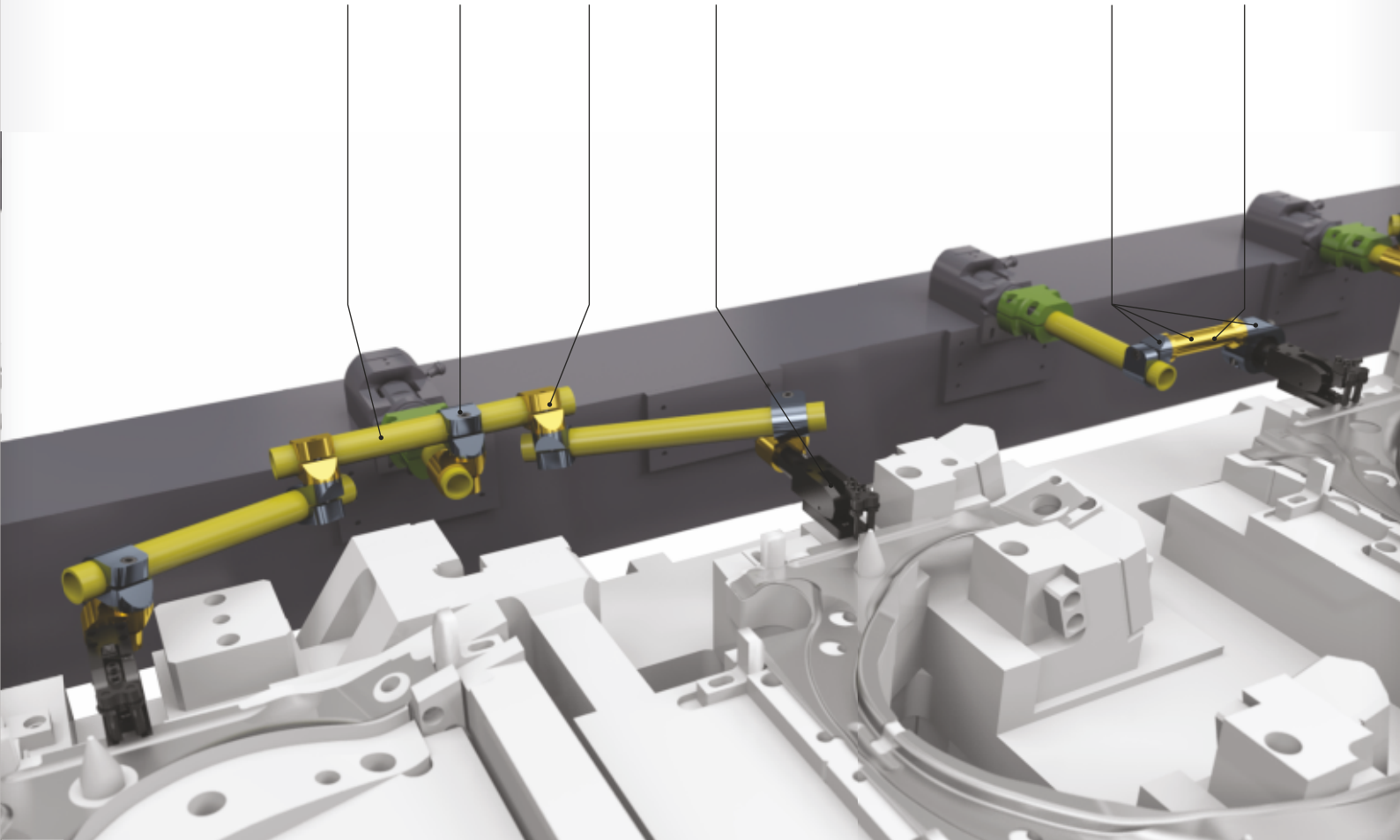
SA25IL



DM_{xx}B_{xx}DM_{xx}



B

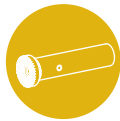


oberer Kontrollarm

Control Arm Upper



KS



U



RF



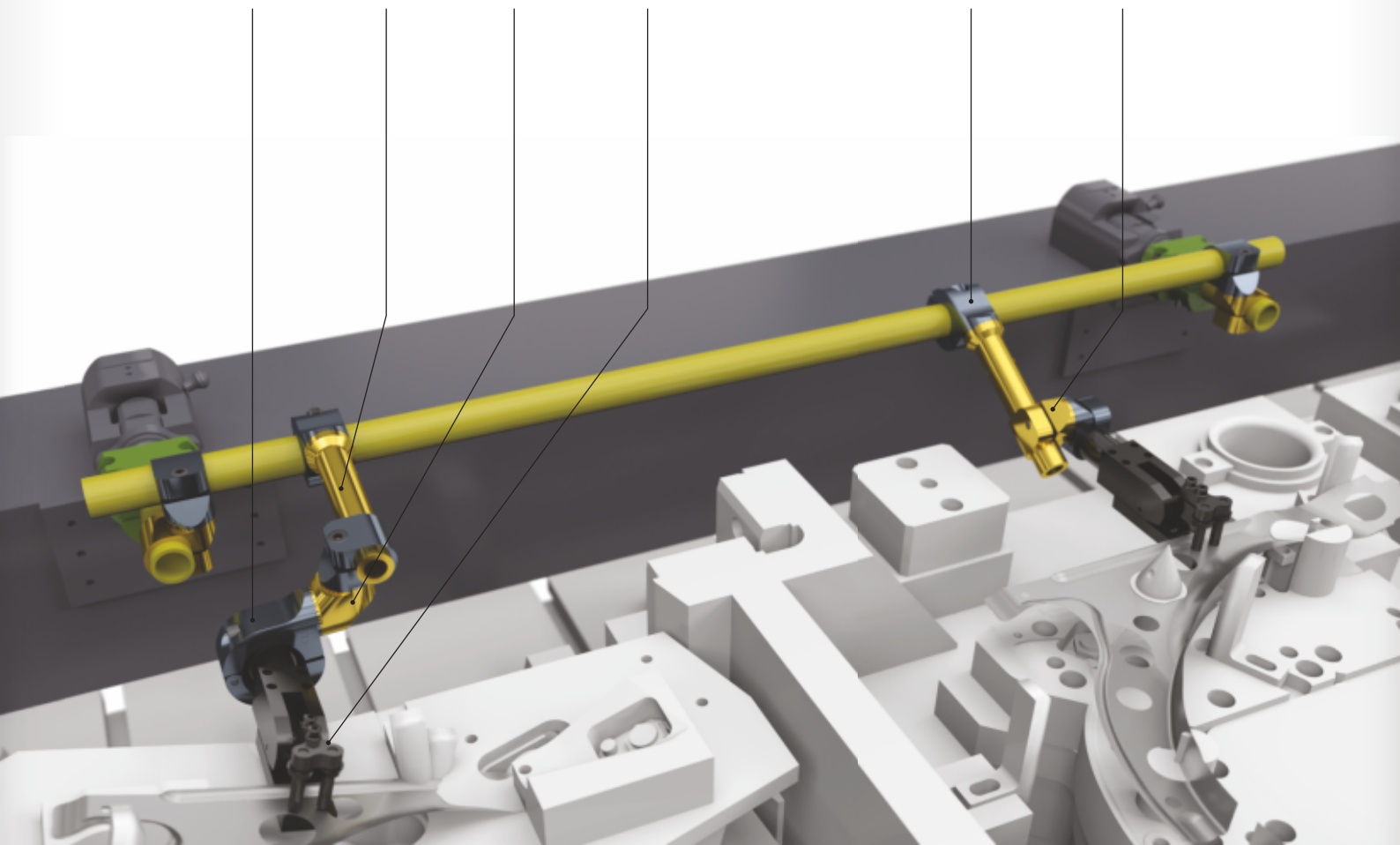
SA25IL



DM



DF



oberer Kontrollarm

Control Arm Upper

Halter

Bar Mountings



SBQS-V - Halter
Bar Mounting

pag. 20



SBQS-P - Halter
Bar Mounting

pag. 21



SBNS-V - Halter
Bar Mounting

pag. 22



SBNS-P - Halter
Bar Mounting

pag. 23



SB2-40 - Halter
Bar Mounting

pag. 24



SB2-25N - Halter
Bar Mounting

pag. 25



SB2-40F - Halter
Bar Mounting

pag. 26



SBS-25 - Halter
Bar Mounting

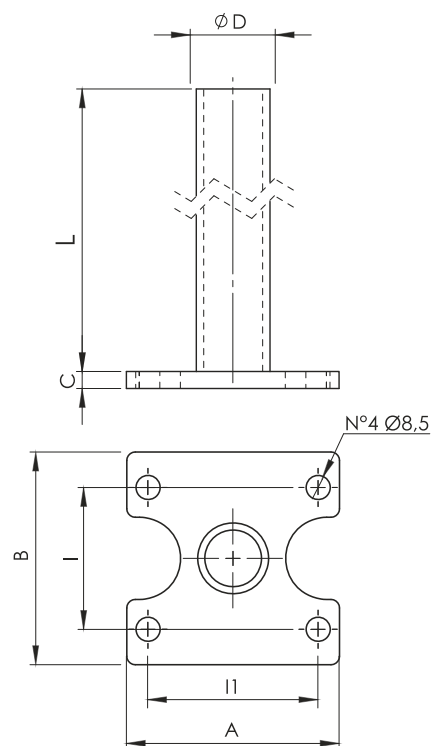
pag. 27

Halter / Bar Mounting SBQS-V



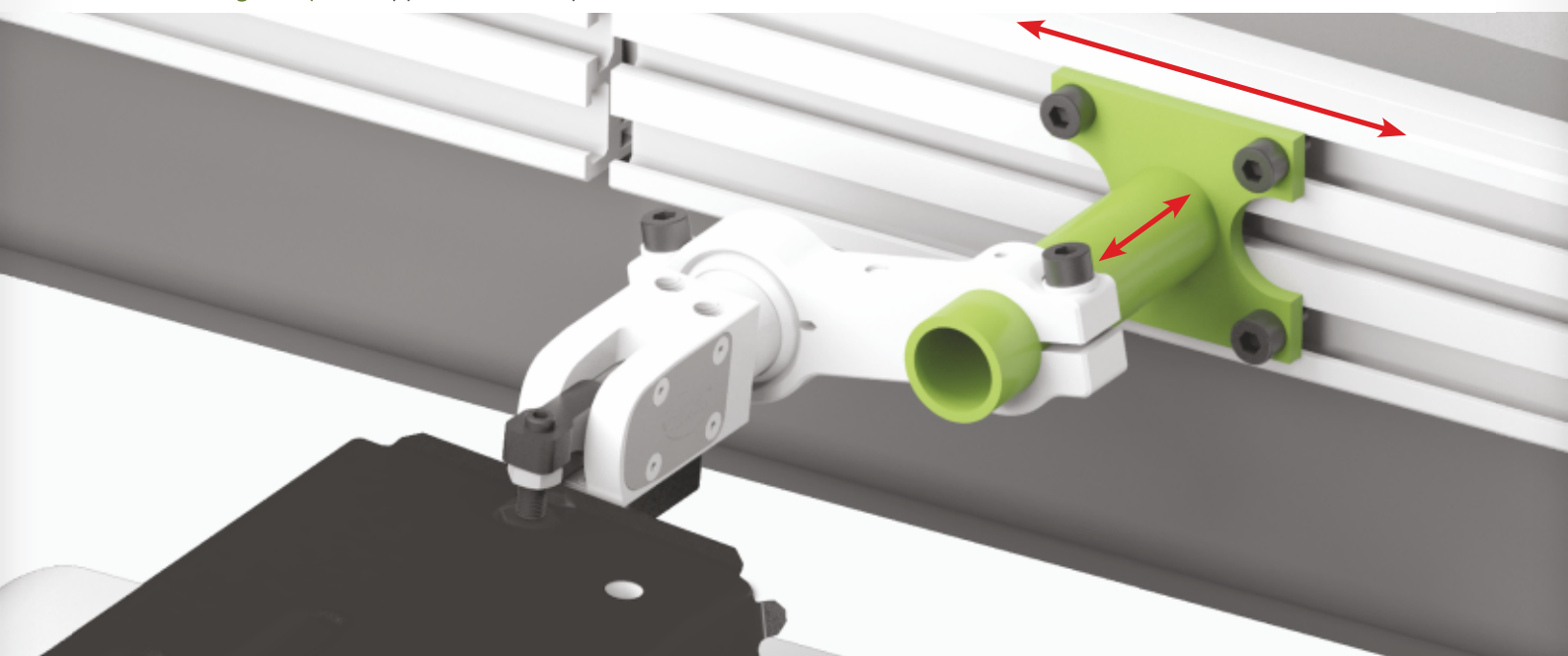
Material: Stahl
Behandlung: Brünierung

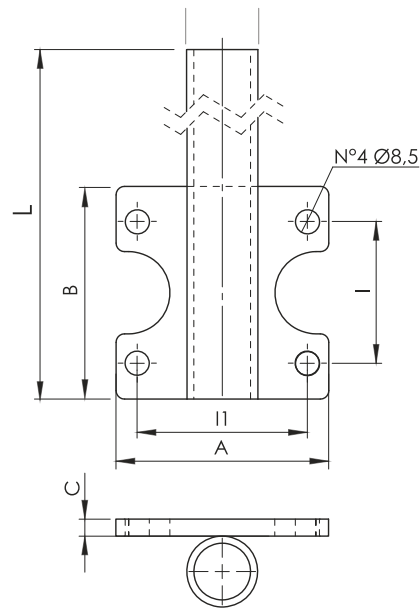
Material: Steel
Treatment: Burnishing



CODE	A	B	C	ØD	E	I	I1	L (mm)	Gewicht / Weight (Kg)	Bemerkungen / Notes
SBQS-V25-L	75	75	6	25	...	50	60	Länge auf Anfrage /L upon request	Gewicht variabel gem. L / Variable weight according to L	
SBQS-V30-L	75	75	6	30	...	50	60			

Anwendungsbeispiel / Application example





Material: Stahl

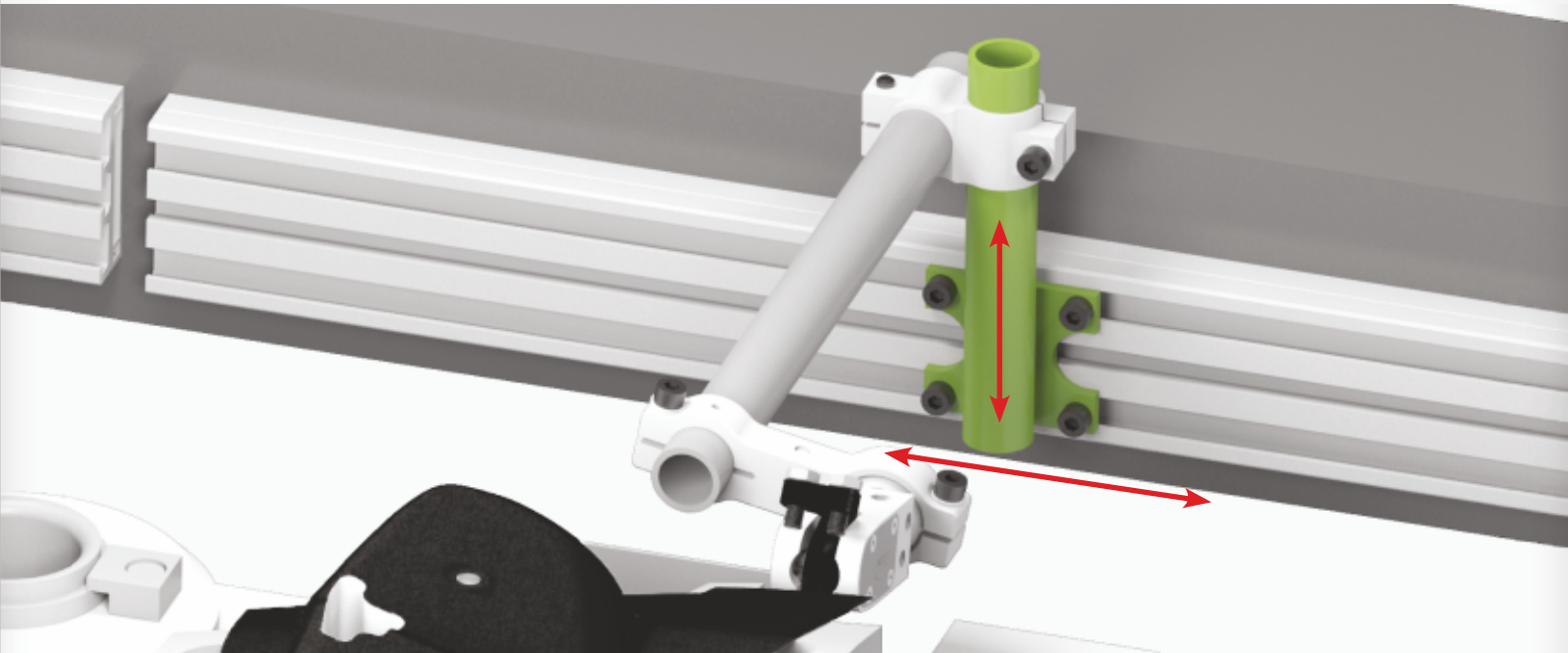
Behandlung: Brünierung

Material: Steel

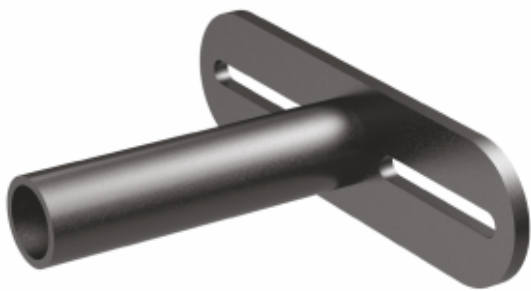
Treatment: Burnishing

CODE	A	B	C	ØD	E	I	I1	L (mm)	Gewicht / Weight (Kg)	Bemerkungen / Notes
SBQS-P25-L	75	75	6	25	...	50	60	Länge auf Anfrage / L upon request	Gewicht variabel gem. L / Variable weight according to L	
SBQS-P30-L	75	75	6	30	...	50	60			

Anwendungsbeispiel / Application example

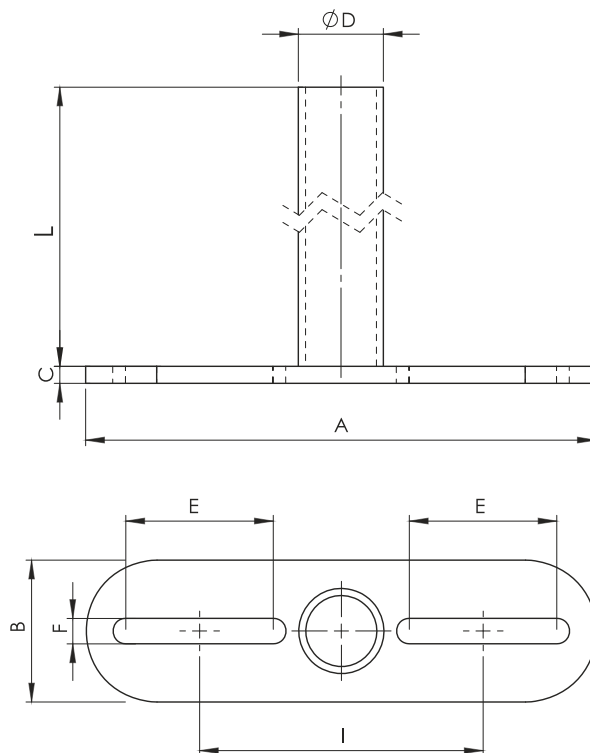


Halter / Bar Mounting SBNS-V



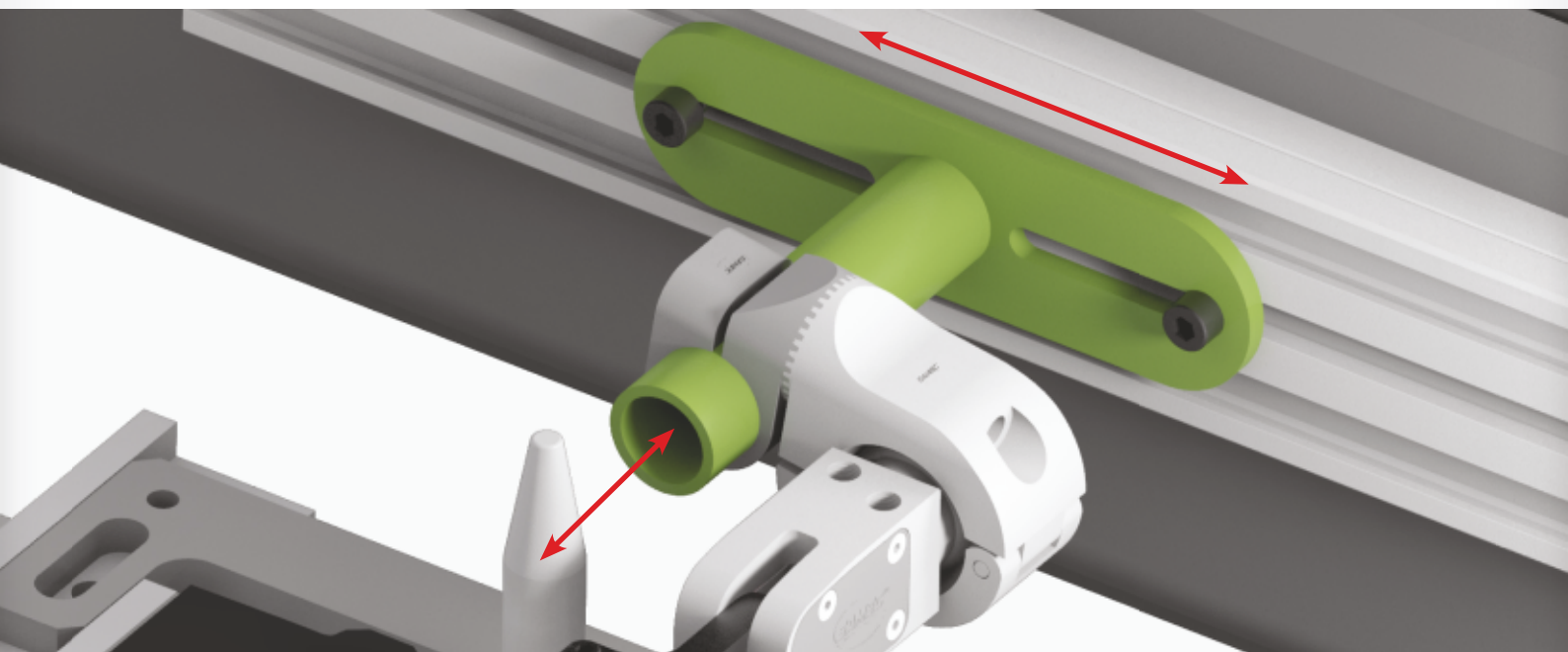
Material: Stahl
Behandlung: Brünierung

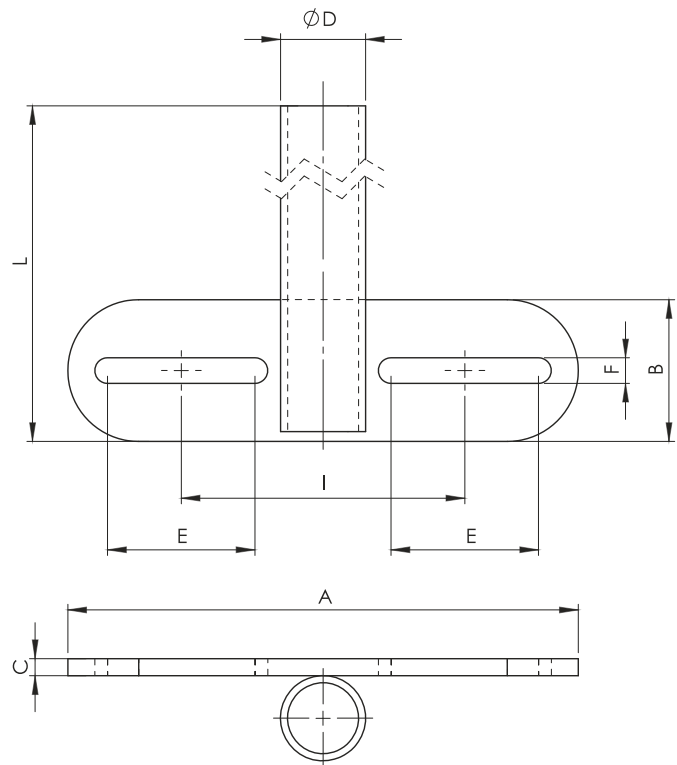
Material: Steel
Treatment: Burnishing



CODE	A	B	C	ØD	E	F	I	L (mm)	Gewicht / Weight (Kg)	Bemerkungen /Notes
SBNS-V25-L	180	50	6	25	52	9	100	Länge auf Anfrage / L upon request	Gewicht variabel gem. L / Variable weight according to L	
SBNS-V30-L	180	50	6	30	52	9	100			

Anwendungsbeispiel / Application example



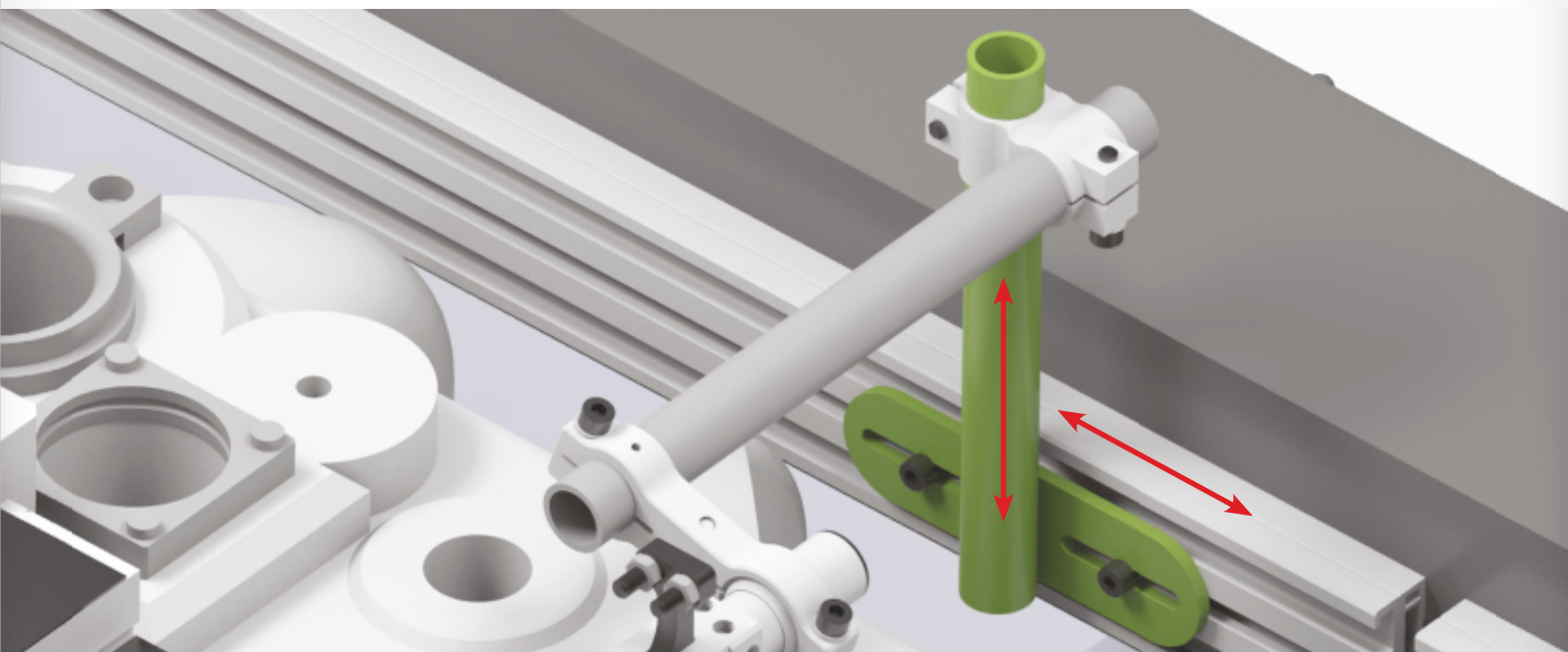


Material: Stahl
Behandlung: Brünierung

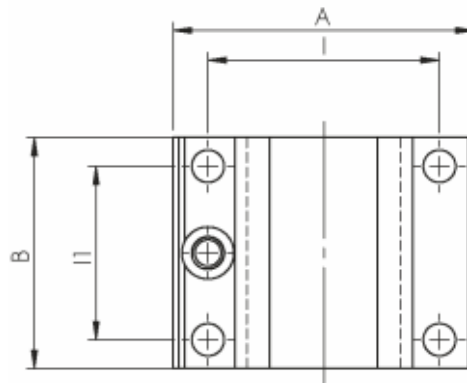
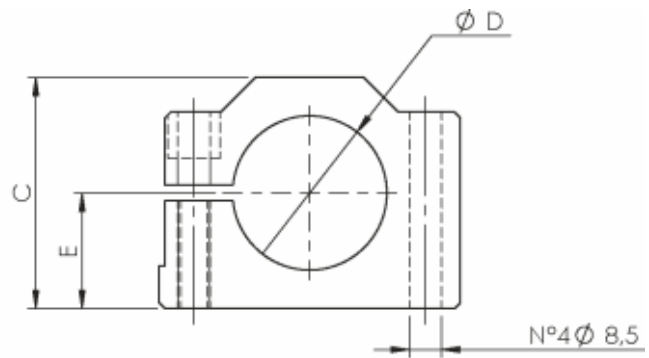
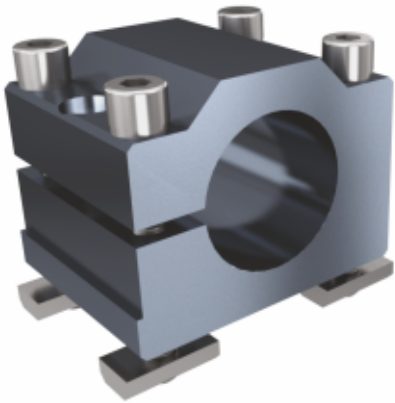
Material: Steel
Treatment: Burnishing

CODE	A	B	C	ØD	E	F	I	L (mm)	Gewicht / Weight (Kg)	Bemerkungen /Notes
SBNS-P25-L	180	50	6	25	52	9	100	Länge auf Anfrage / L upon request	Gewicht variabel gem. L / Variable weight according to L	
SBNS-P30-L	180	50	6	30	52	9	100			

Anwendungsbeispiel / Application example



Halter / Bar Mounting SB2-40

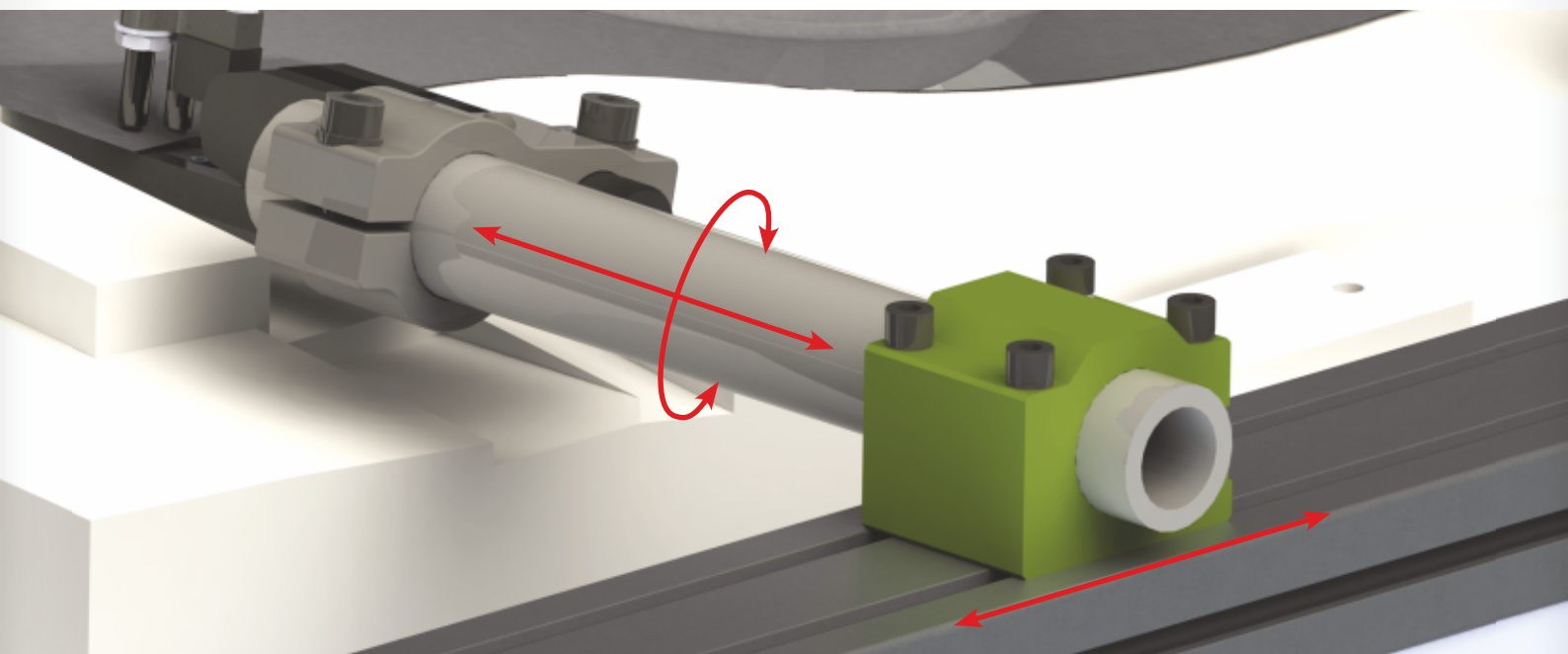


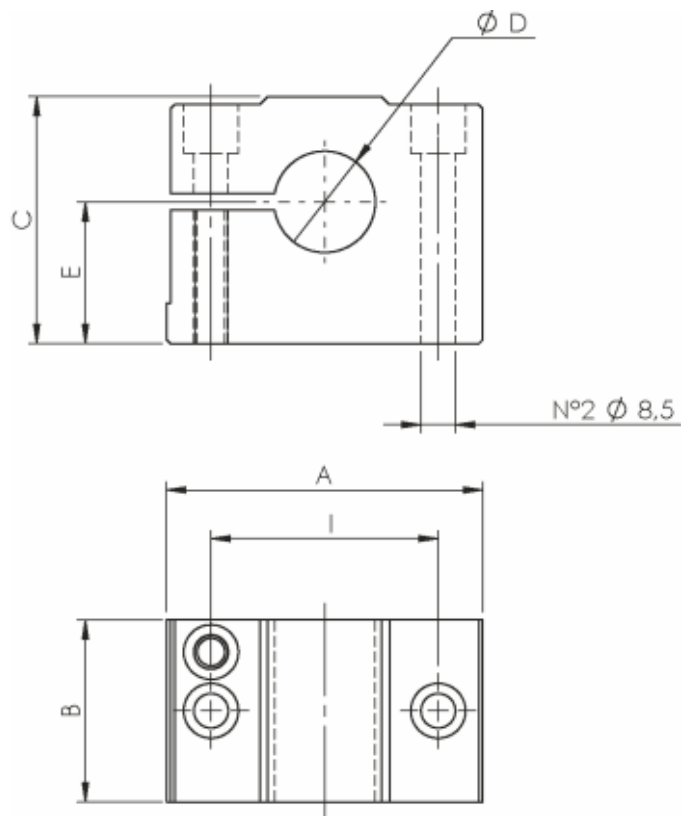
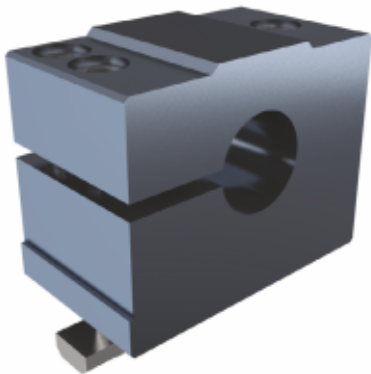
Material: Aluminium 6082
Behandlung: metallgrau eloxiert
Schrauben: enthalten

Material: Aluminium 6082
Treatment: Gunmetal anodizing
Bolts: Included

CODE	A	B	C	Ø D	E	F	G	I	I1	Gewicht / Weight (Kg)	Bemerkungen /Notes
SB2-4060	78	60	60	40	30	--	--	60	45	0,395	
SB2-4070	78	70	60	40	30	--	--	60	50	0,52	

Anwendungsbeispiel / Application example



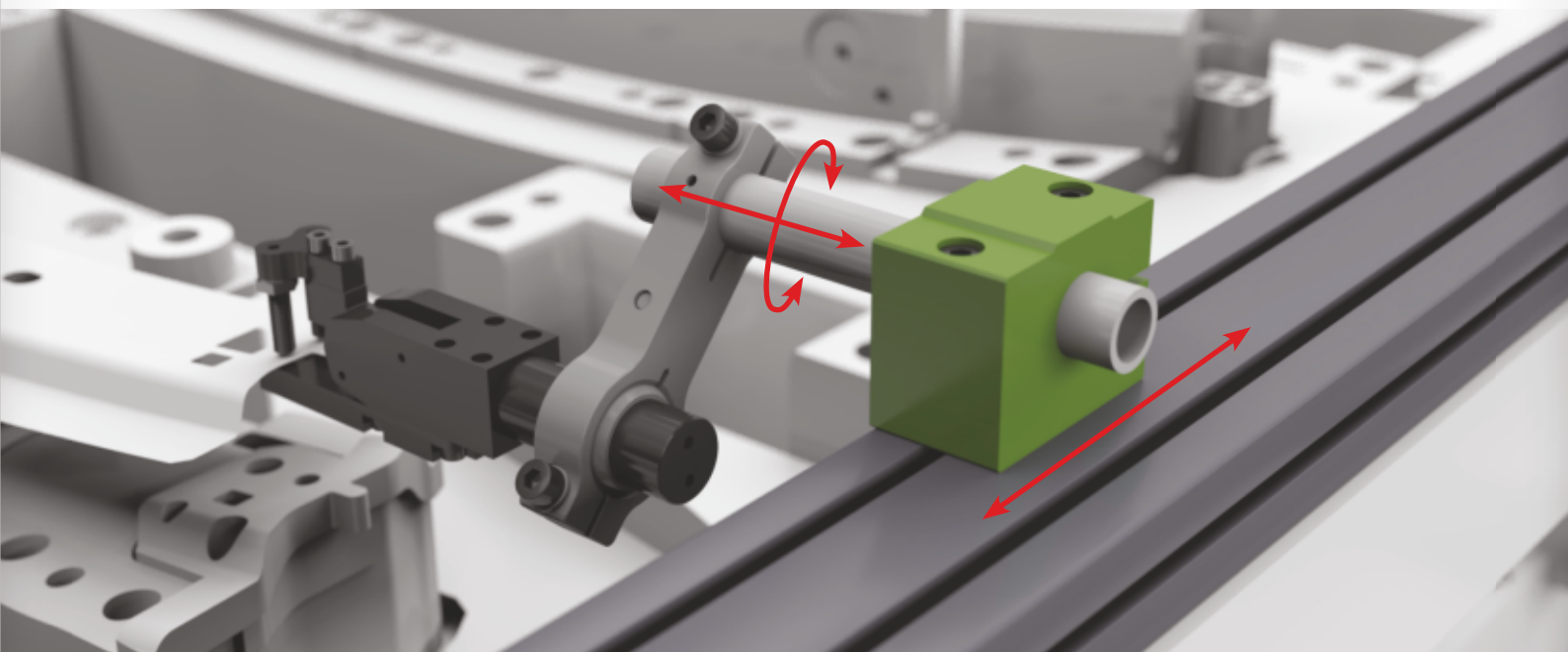


Material: Aluminium 6082
Behandlung: metallgrau eloxiert
Schrauben: enthalten

Material: Aluminium 6082
Treatment: Gunmetal anodizing
Bolts: Included

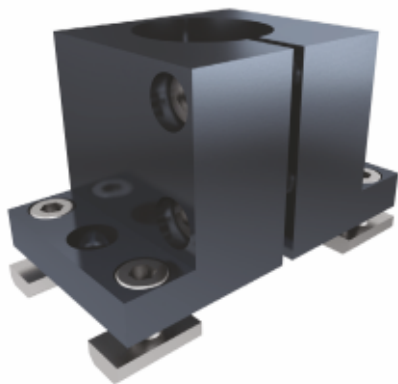
CODE	A	B	C	ØD	E	F	G	I	I1	Gewicht / Weight (Kg)	Bemerkungen /Notes
SB2-25N	78	45	61	25	35	--	--	56	--	0,46	

Anwendungsbeispiel / Application example



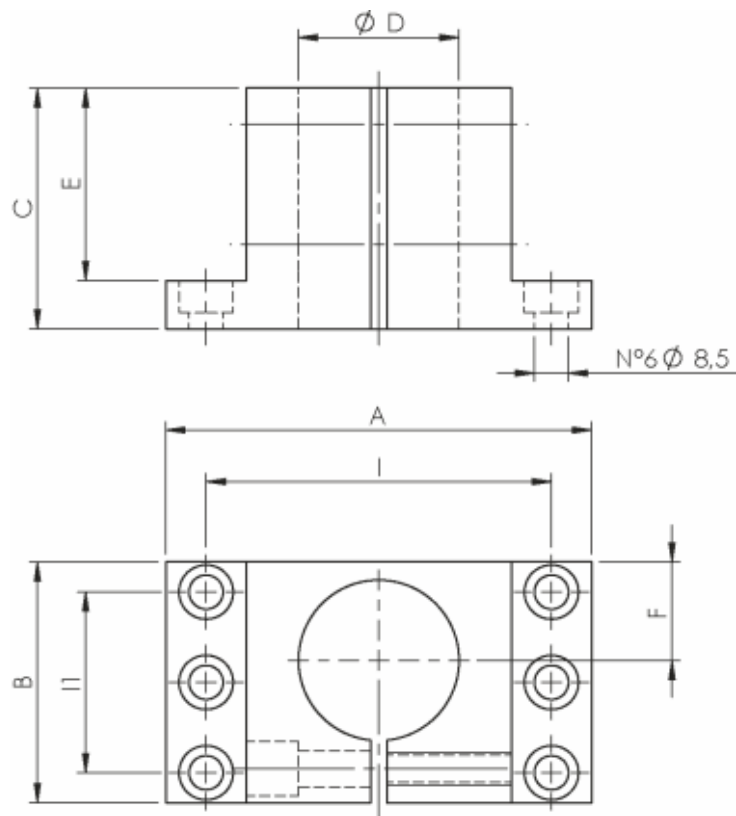
Halter / Bar Mounting

SB2-40F



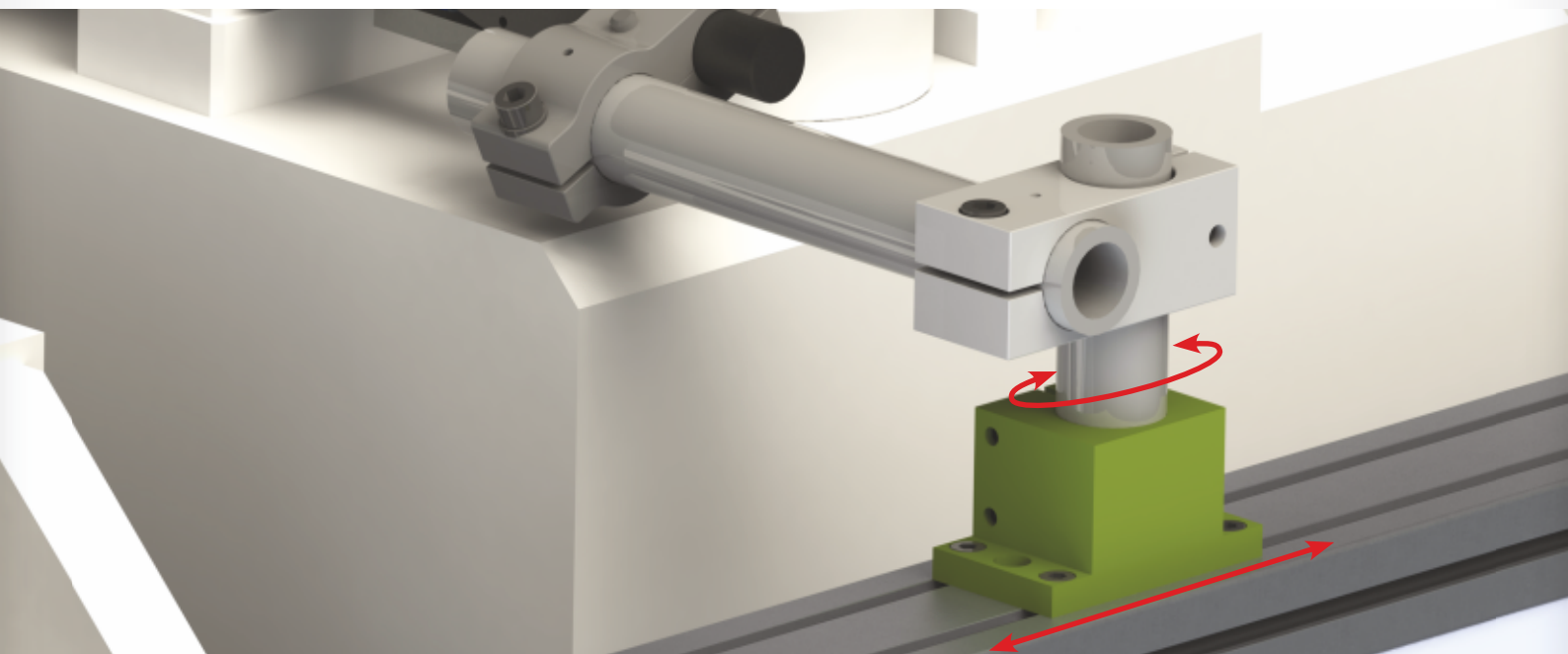
Material: Aluminium 6082
Behandlung: metallgrau eloxiert
Schrauben: enthalten

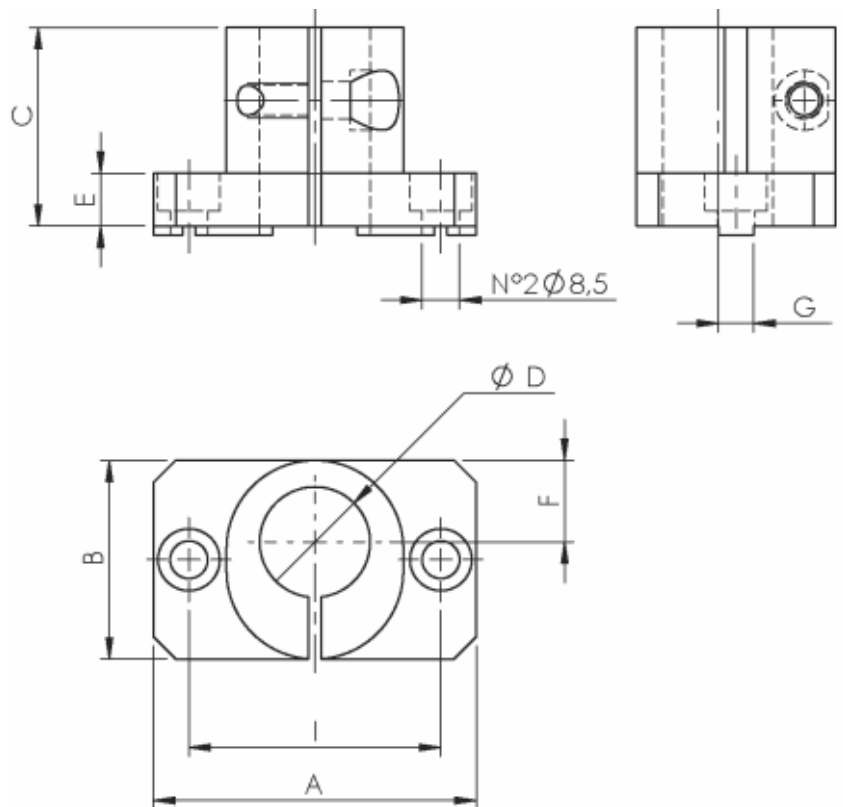
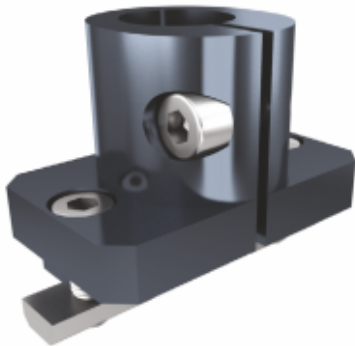
Material: Aluminium 6082
Treatment: Gunmetal anodizing
Bolts: Included



CODE	A	B	C	ØD	E	F	G	I	I1	Gewicht / Weight (Kg)	Bemerkungen / Notes
SB2-40F	106	60	60	40	48	24,5	--	86	45	0,46	

Anwendungsbeispiel / Application example



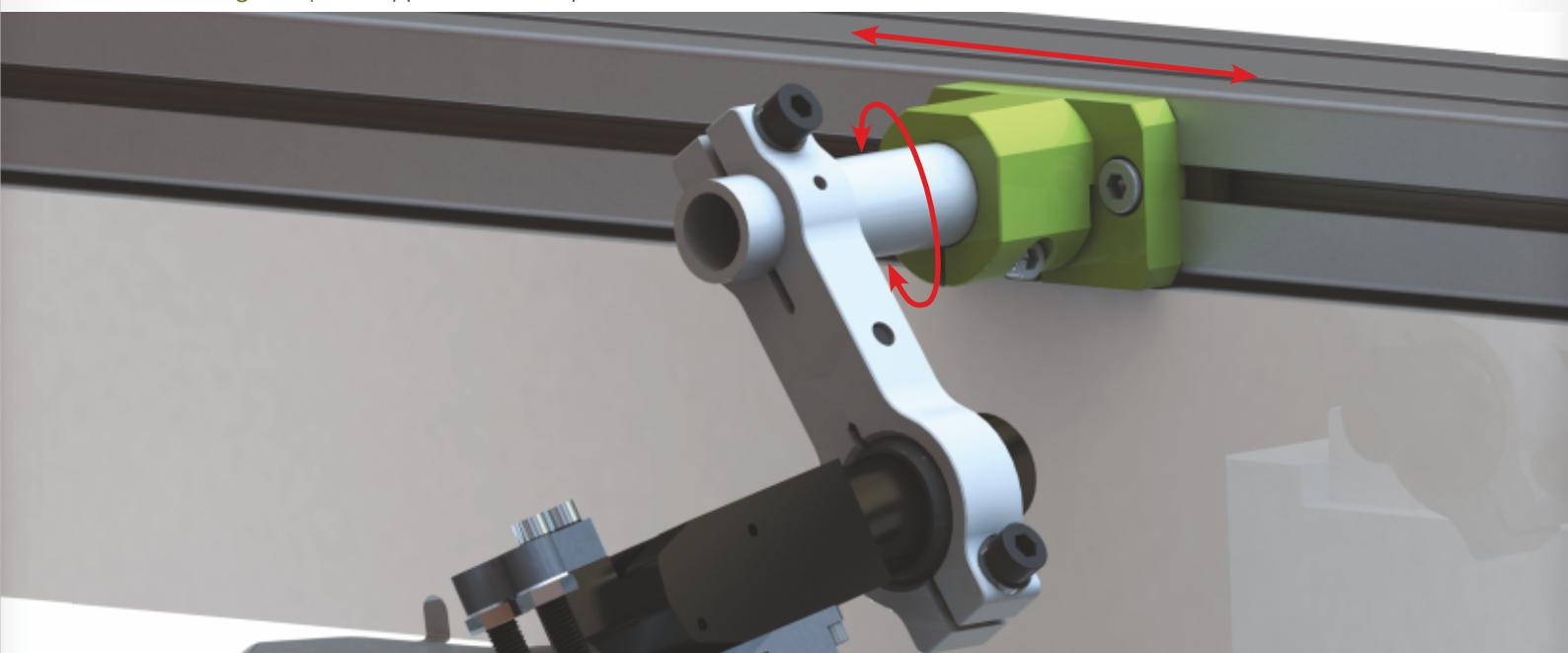


Material: Aluminium 6082
Behandlung: metallgrau eloxiert
Schrauben: enthalten

Material: Aluminium 6082
Treatment: Gunmetal anodizing
Bolts: Included

CODE	A	B	C	ØD	E	F	G	I	I1	Gewicht / Weight (Kg)	Bemerkungen / Notes
SBS-25-8	73	45	45	25	12	18,5	8	57	--	0,155	
SBS-25-10	73	45	45	25	12	18,5	10	57	--	0,155	

Anwendungsbeispiel / Application example



Bemerkungen / Notes

Verbindungsrohre

Connection Tubes



SAPAT
SAPAS - Verbindungsrohre
Connection Tubes

pag. 30

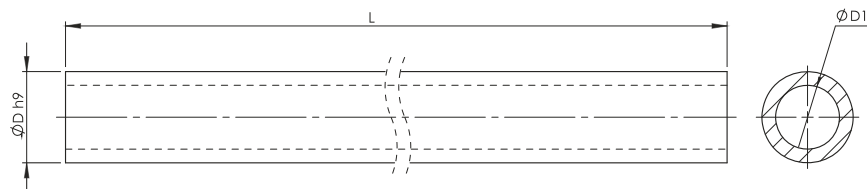
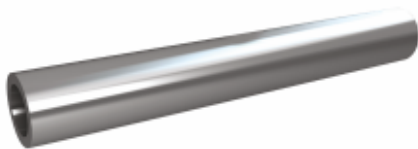


SAPAB - Verbindungsrohre
Connection Tubes

pag. 30

Verbindungsrohre / Connection Tubes

SAPAT / SAPAS

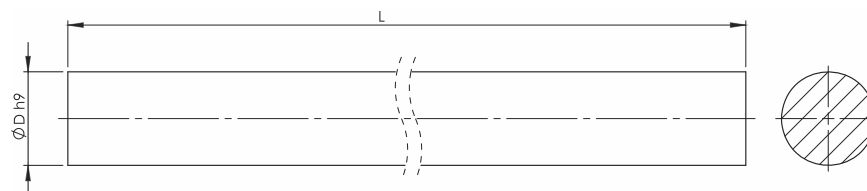
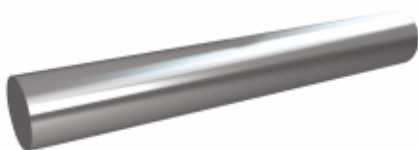


Material: Anticorodal 6082 / Stahl

Material: Anticorodal 6082 / Steel

Verbindungsrohre / Connection Tubes

SAPAB

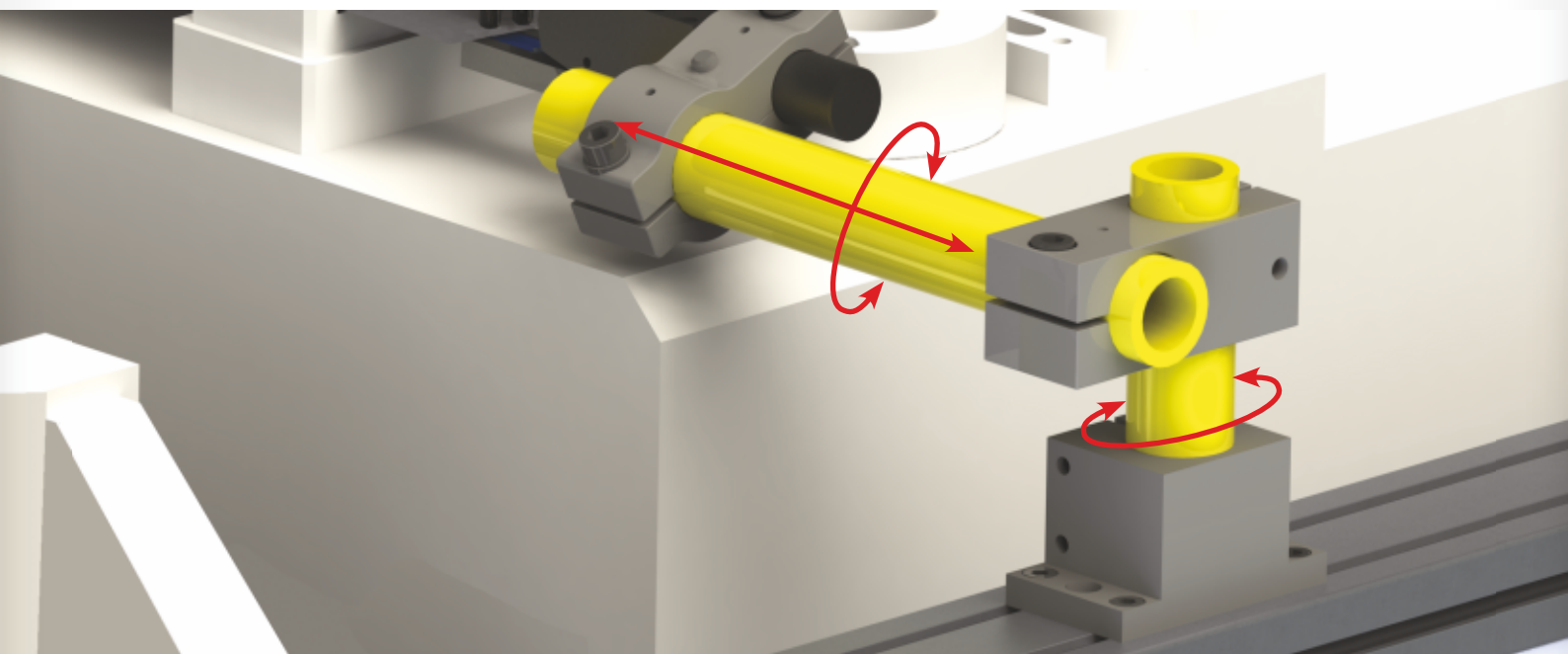


Material: Anticorodal 6082

Material: Anticorodal 6082

CODE	ØD	ØD1	L (mm)	Gewicht / Weight (Kg/m)	Bemerkungen / Notes
SAPAT25-L	25	15	Länge auf Anfrage max. 3000 / upon request for max. 3000	0,90	Anticorodal 6082
SAPAT30-L	30	24		0,58	
SAPAT40-L	40	28		1,46	
SAPAS25-L	25	20		1,39	Stahl / Steel
SAPAS30-L	30	25		1,70	
SAPAB25-L	25	--		1,28	Anticorodal 6082

Anwendungsbeispiel / Application example



Klemmstücke

Brackets



SAPKA - Parallelklemme
Parallel Bracket

pag. 32



SATKA - T-Klemmstück
T Bracket

pag. 33



SAT - T-Klemmstück
T Bracket

pag. 34



SATK - T-Klemmstück
T Bracket

pag. 35



SAPKR - Parallelklemme
Parallel Bracket

pag. 36



SAPKO - orientierbare Parallelklemme
Parallel Swivelling Bracket

pag. 37



SAPKO-O - Verlängerung mit Einklemmstück
Unilateral Swivelling Bracket

pag. 38



SAED - doppelte Klemme
Bilateral Bracket

pag. 39

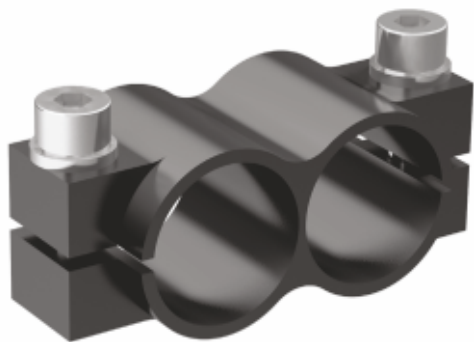


SAES - Auslegerklemmblock
Unilateral Bracket

pag. 40

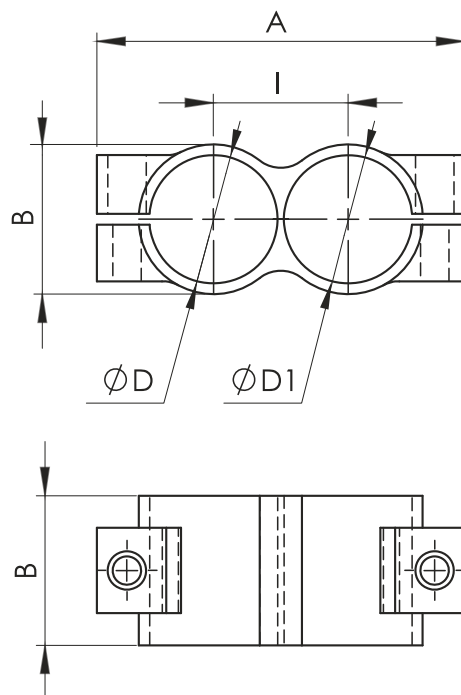
Parallelklemme / Parallel Bracket

SAPKA



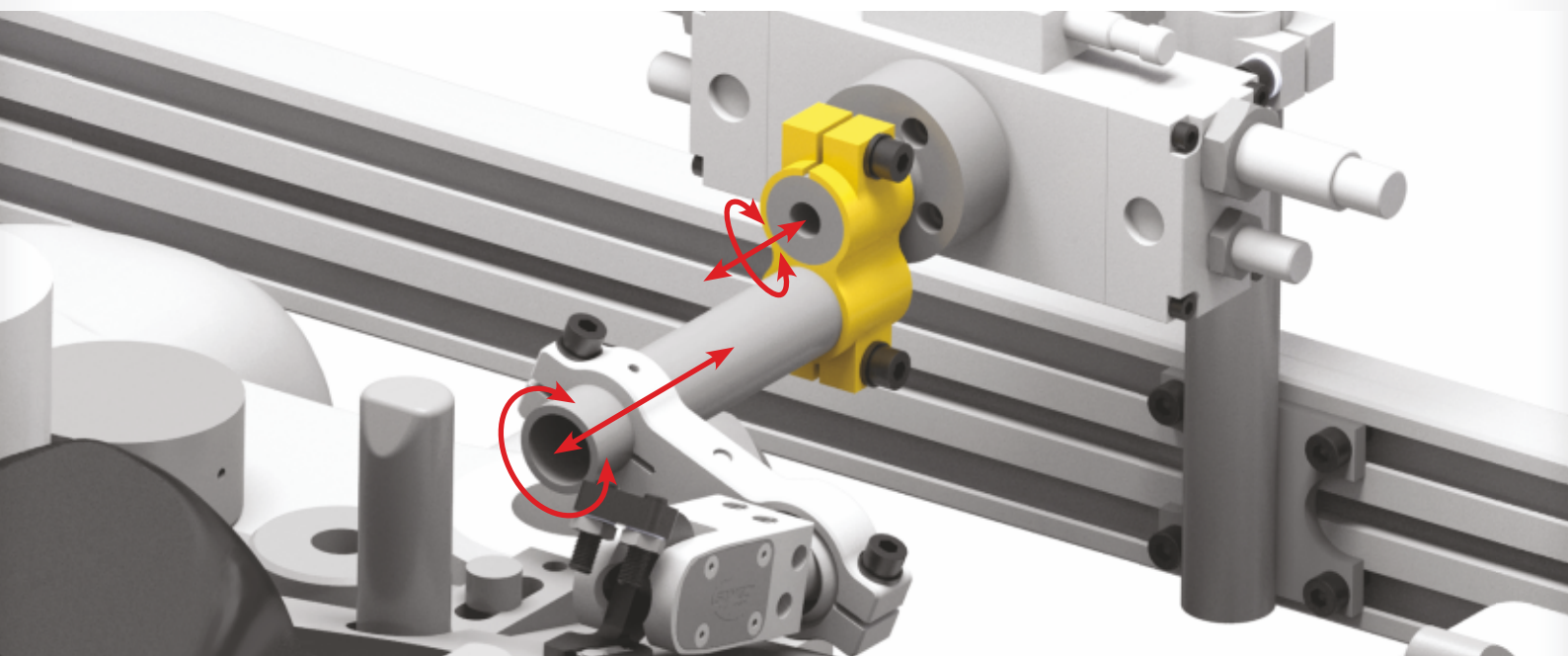
Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

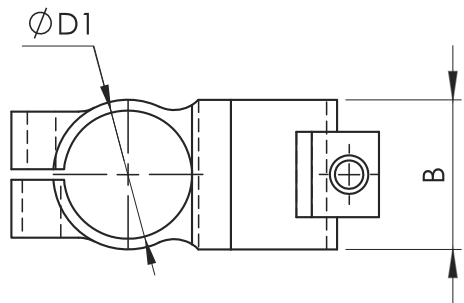
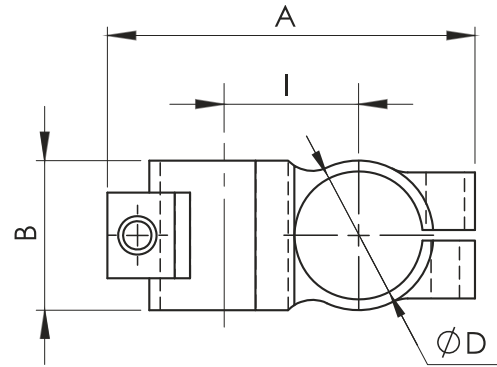
Material: Steel
Treatment: Burnishing
Bolts: Included



CODE	A	B	ØD	ØD1	I	Gewicht / Weight (Kg)	Bemerkungen/Notes
SAPKA25-25	86	35	25	25	31,5	0,34	
SAPKA25-30	86	35	25	30	31,5	0,28	
SAPKA30-30	86	35	30	30	31,5	0,22	

Anwendungsbeispiel / Application example



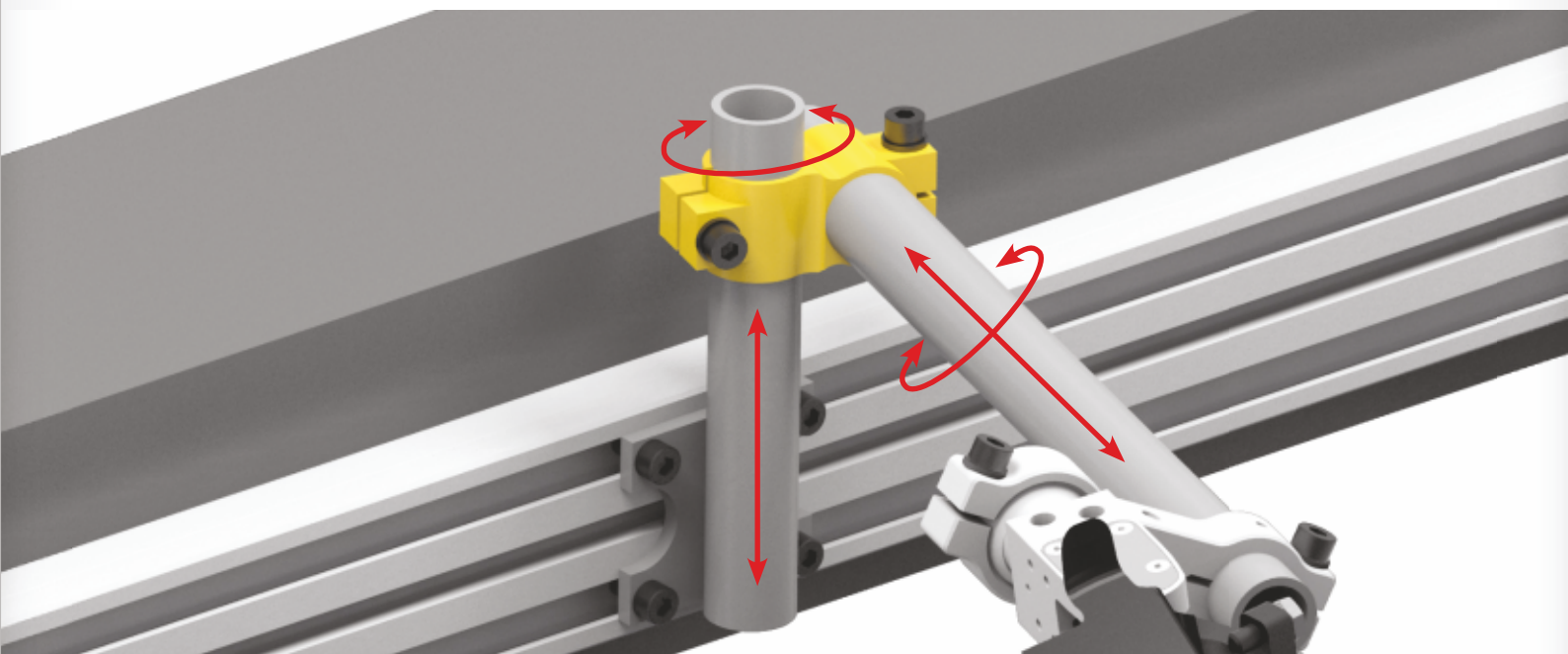


Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included

CODE	A	B	ØD	ØD1	I	Gewicht / Weight (Kg)	Bemerkungen/Notes
SATKA25-25	86	35	25	25	31,5	0,35	
SATKA25-30	86	35	25	30	31,5	0,29	
SATKA30-30	86	35	30	30	31,5	0,24	

Anwendungsbeispiel / Application example



T-Klemmstück / T Bracket

SAT



Material: Aluminium 6082

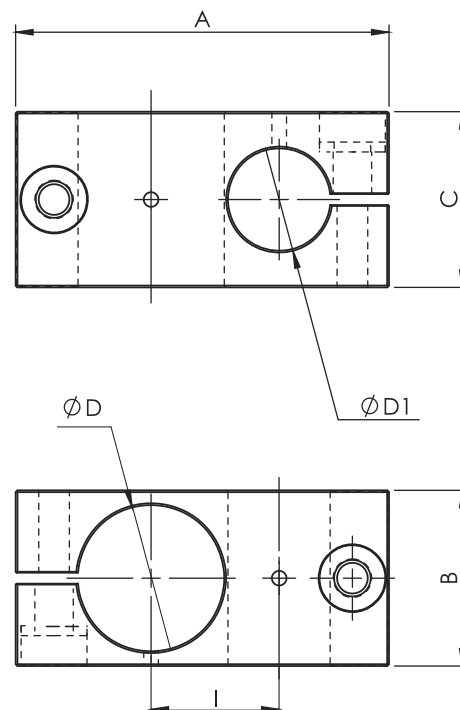
Behandlung: Natureloxal

Schrauben: enthalten

Material: Aluminium 6082

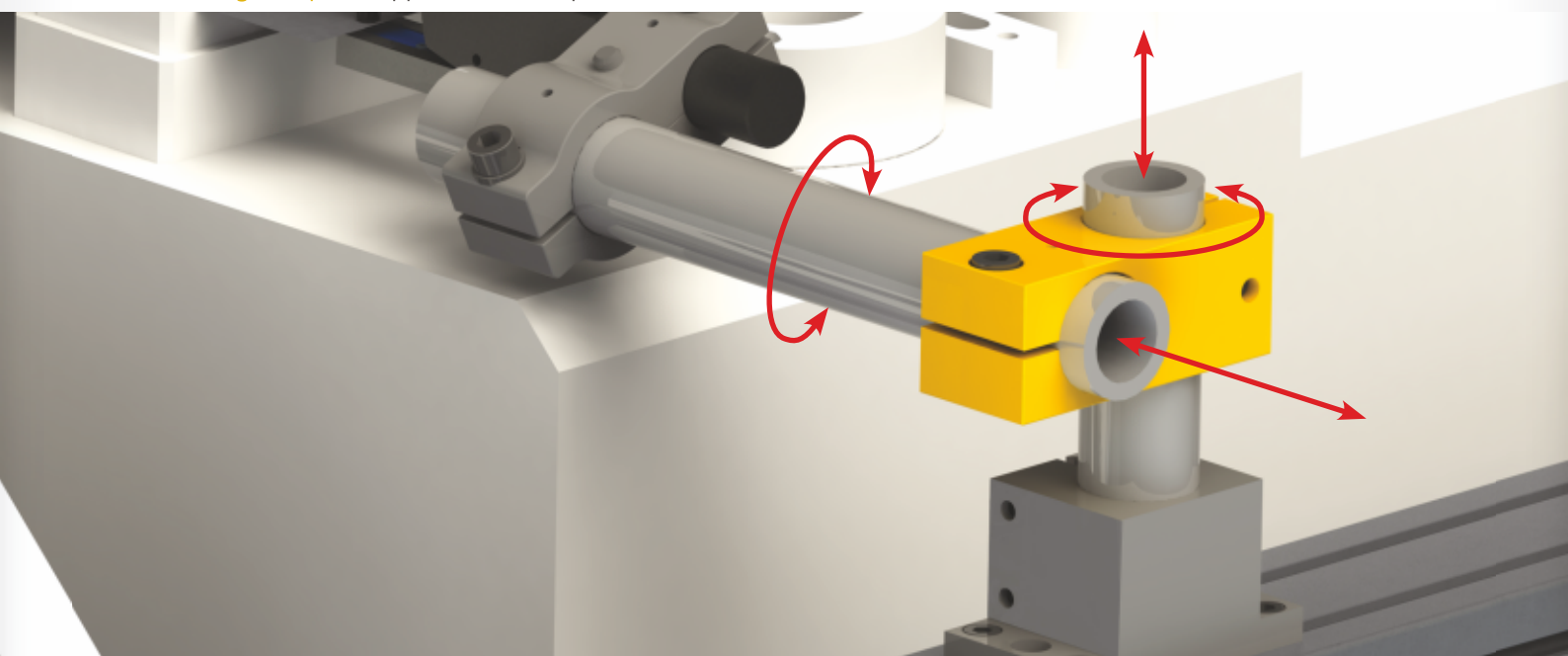
Treatment: Natural anodizing

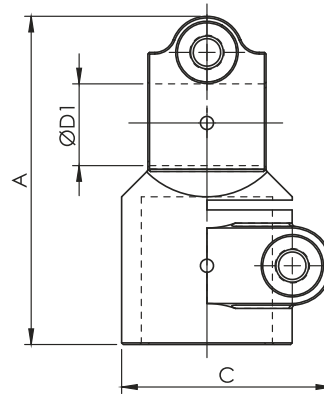
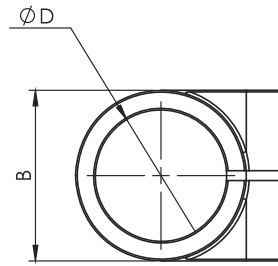
Bolts: Included



CODE	A	B	C	ØD	ØD1	I	Gewicht / Weight (Kg)	Bemerkungen / Notes
SAT25-25	90	35	35	25	25	27	0,22	
SAT25-28	90	35	35	25	28	27	0,21	
SAT25-40	102	48	48	25	40	35	0,19	
SAT28-40	102	48	48	28	40	35	0,185	
SAT40-40	115	48	48	40	40	42	0,18	

Anwendungsbeispiel / Application example



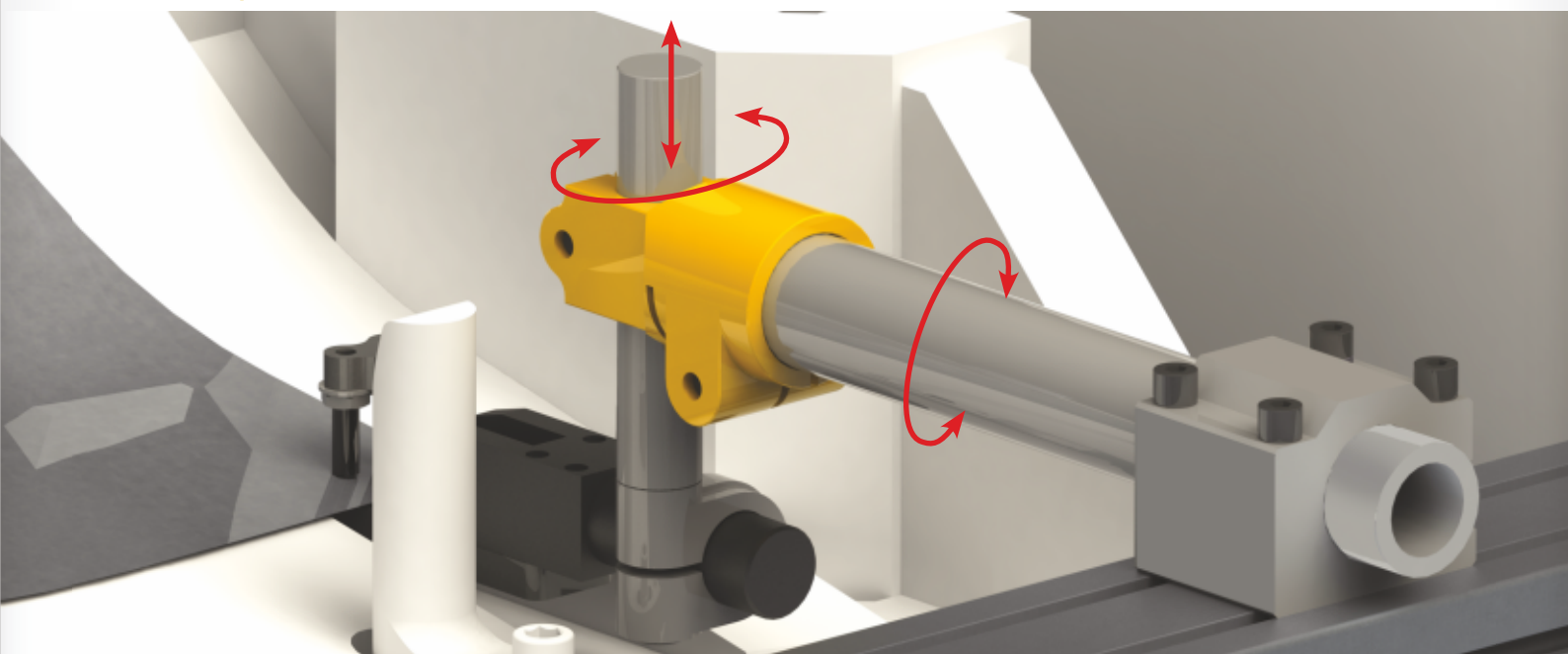


Material: Aluminium 6082
Behandlung: metallgrau eloxiert
Schrauben: enthalten

Material: Aluminium 6082
Treatment: Gunmetal anodizing
Bolts: Included

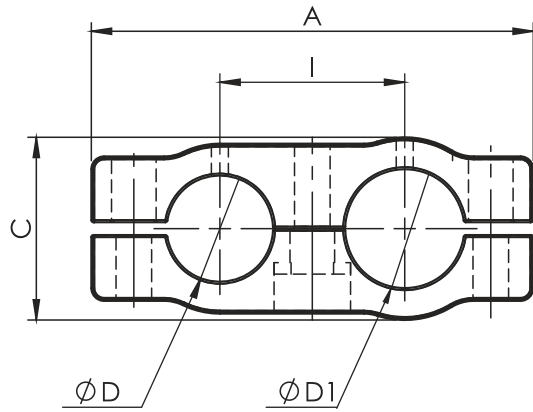
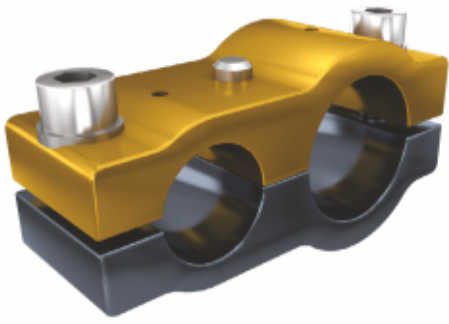
CODE	A	B	C	ØD	ØD1	Gewicht / Weight (Kg)	Bemerkungen / Notes
SATK25-25	88	38	49	25	25	0,25	
SATK25-28	88	38	49	25	28	0,27	
SATK25-40	102	50	56	25	40	0,42	
SATK40-25	100	52	64	40	25	0,42	
SATK40-28	100	52	64	40	28	0,41	
SATK40-40	112	52	64	40	40	0,58	

Anwendungsbeispiel / Application example



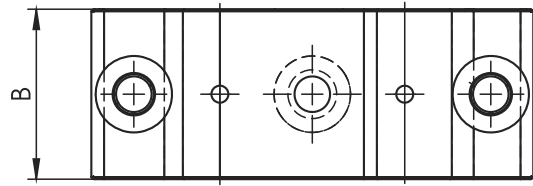
Parallelklemme / Parallel Bracket

SAPKR



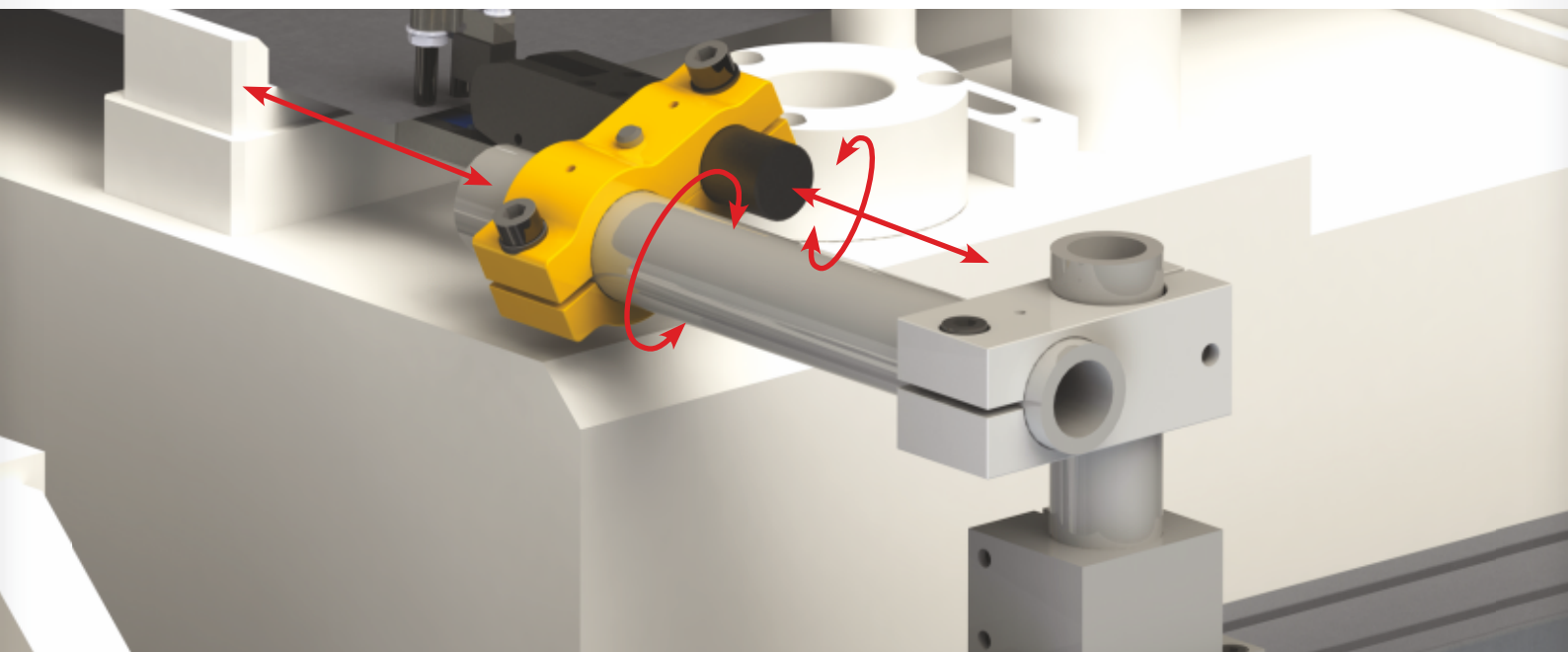
Material: Aluminium 6082
Behandlung: gold und metallgrau eloxiert
Schrauben: enthalten

Material: Aluminium 6082
Treatment: Gold and gunmetal anodizing
Bolts: Included



CODE	A	B	C	ØD	ØD1	I	Gewicht / Weight (Kg)	Bemerkungen / Notes
SAPKR25-25	104	40	40	25	25	43.5	0,25	
SAPKR25-28	104	40	43	25	28	43.5	0,27	
SAPKR25-40	116	40	58	25	40	49.5	0,42	
SAPKR28-40	116	40	58	28	40	49.5	0,42	
SAPKR40-40	130	40	58	40	40	55.5	0,41	

Anwendungsbeispiel / Application example





Material: Aluminium 6082

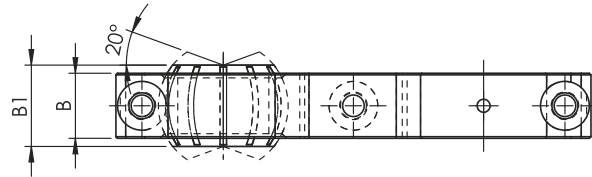
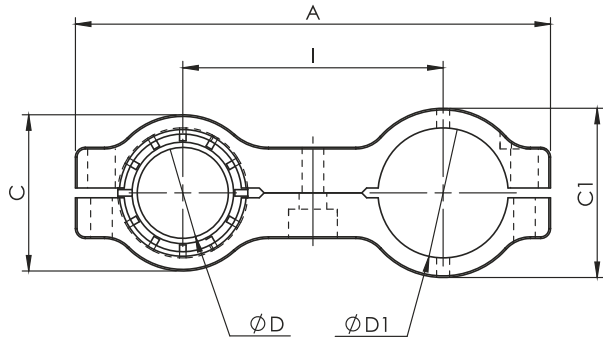
Behandlung: gold und metallgrau eloxiert

Schrauben: enthalten

Material: Aluminium 6082

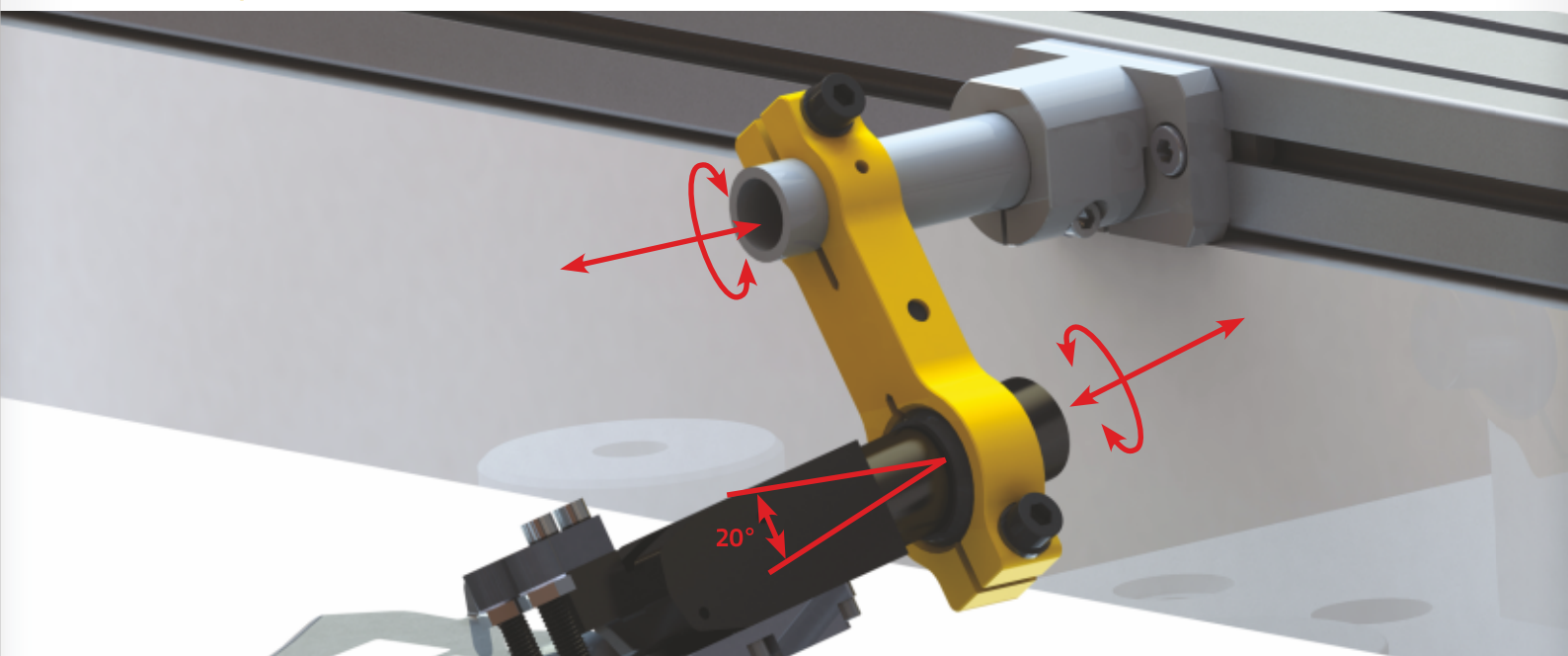
Treatment: Gold and gunmetal anodizing

Bolts: Included



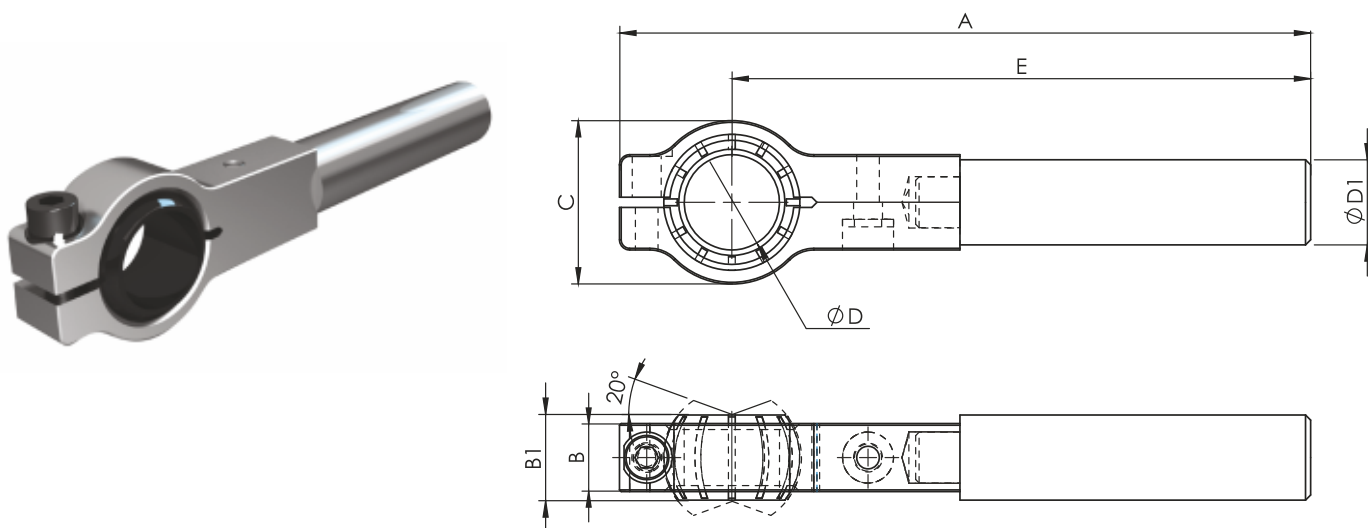
CODE	A	B	B1	C	C1	ØD	ØD1	I	Gewicht / Weight (Kg)	Bemerkungen / Notes
SAPKO25-30	142	20	25	48	42	25	30	80	0,22	
SAPKO25-40	146	20	25	48	52	25	40	80	0,22	
SAPKO28-25	139	20	25	48	36	28	25	80	0,22	
SAPKO28-30	142	20	25	48	42	28	30	80	0,21	
SAPKO28-40	146	20	25	48	52	28	40	80	0,21	
SAPKO30-25	139	20	25	48	36	30	25	80	0,22	
SAPKO30-30	142	20	25	48	42	30	30	80	0,21	
SAPKO30-40	146	20	25	48	52	30	40	80	0,20	
SAPKO40-40	151	20	25	60	52	40	40	80	0,19	

Anwendungsbeispiel / Application example



Verlängerung mit Einklemmstück / Swivelling Unilateral Bracket

SAPKO-O

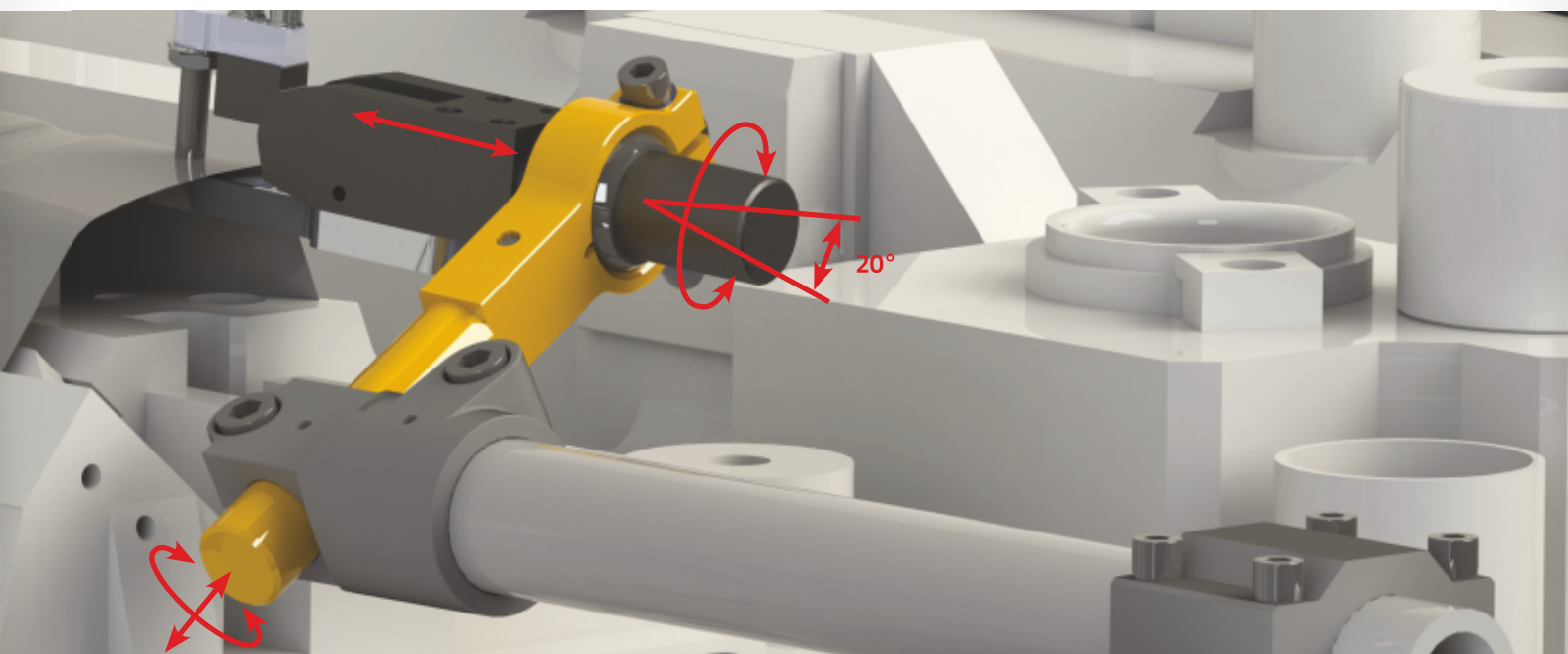


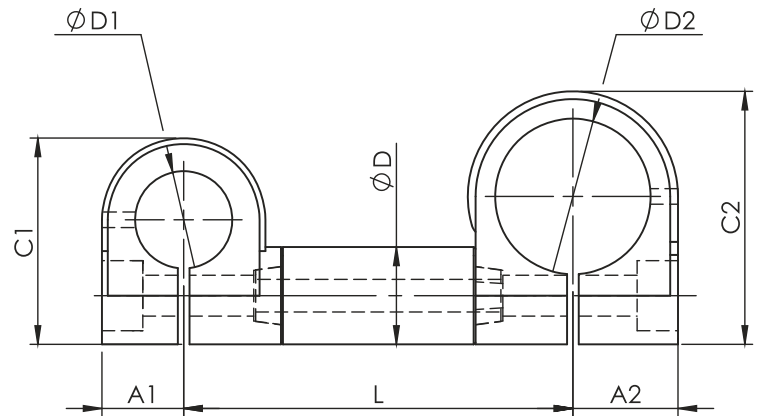
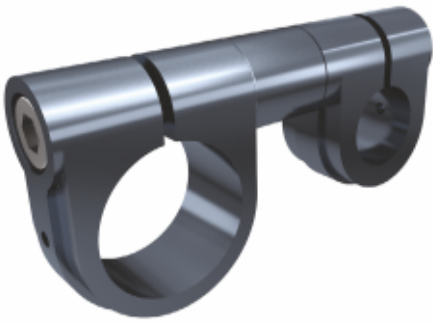
Material: Aluminium 6082 & Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Aluminium 6082 & Treated Steel
Treatment: Burnishing
Bolts: Included

CODE	A	B	B1	C	ØD	ØD1	E	Gewicht / Weight (Kg)	Bemerkungen / Notes
SAPKO-028-25	203	20	25	48	28	25	170	0,34	
SAPKO-040-25	203	20	25	60	40	25	170	0,36	

Anwendungsbeispiel / Application example





Material: Aluminium 6082

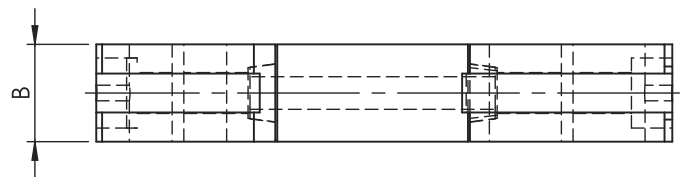
Behandlung: metallgrau eloxiert

Schrauben: enthalten

Material: Aluminium 6082

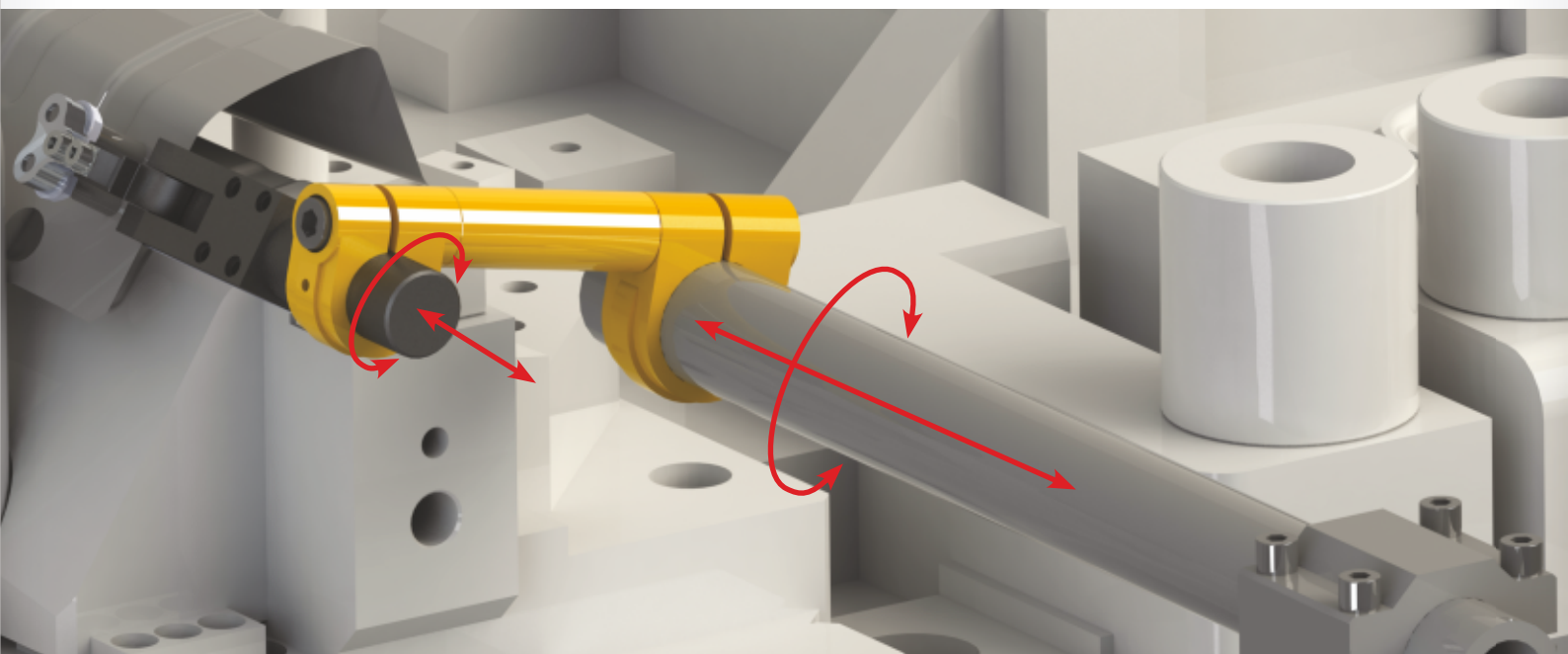
Treatment: Gunmetal anodizing

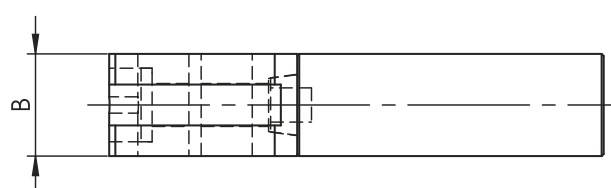
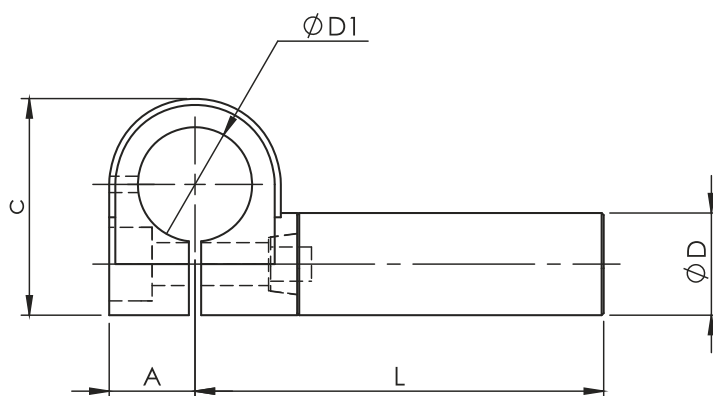
Bolts: Included



CODE	A1	A2	B	C1	C2	ØD	ØD1	ØD2	L							Gewicht / Weight (Kg)	Bemerkungen / Notes
SAED25-25-L	21	21	25	53	53	25	25	25	101	126	151	176	201	226	251	0,28÷0,38	
SAED25-28-L	21	21	25	53	53	25	25	28	101	126	151	176	201	226	251	0,27÷0,37	
SAED25-40-L	21	27	25	53	65	25	25	40	101	126	151	176	201	226	251	0,33÷0,43	
SAED28-40-L	21	27	25	53	65	25	28	40	101	126	151	176	201	226	251	0,30÷0,40	
SAED40-40-L	27	27	25	65	65	25	40	40	101	126	151	176	201	226	251	0,33÷0,43	

Anwendungsbeispiel / Application example

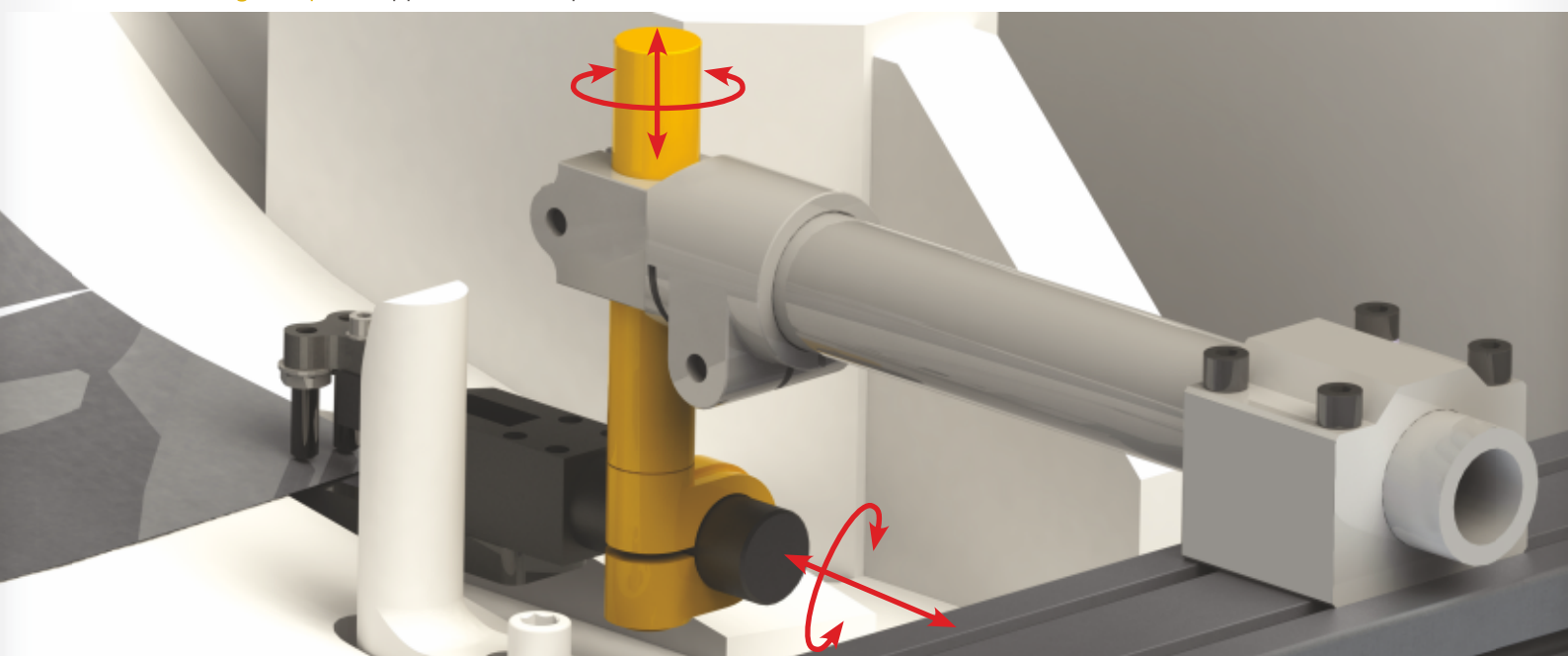




Material: Aluminium 6082
Behandlung: metallgrau eloxiert
Schrauben: enthalten
Material: Aluminium 6082
Treatment: Gunmetal anodizing
Bolts: Included

CODE	A	B	C	ØD	ØD1	L							Gewicht / Weight (Kg)	Bemerkungen / Notes
SAES25-25-L	21	25	53	25	25	75	100	125	150	175	200	225	0,17 ÷ 0,34	
SAES25-28-L	21	25	53	25	28	75	100	125	150	175	200	225	0,16 ÷ 0,33	
SAES25-40-L	27	25	65	25	40	75	100	125	150	175	200	225	0,19 ÷ 0,46	

Anwendungsbeispiel / Application example



gezahnte Klemmstücke

Gear Brackets NEW

Komponenten / Components



DM

gezahnte Geschlossene Klemme 'männlich'

Fixed Male Gear Bracket

pag. 46



DF

gezahnte Geschlossene Klemme 'weiblich'

Fixed Female Gear Bracket

pag. 47



KS

gezahnte Klemme mit Kugelhuchse, zu öffnen

Openable Swivelling Gear Bracket

pag. 48



P

einteilige Gezahnte Verlängerung

Integral Gear Extension

pag. 49



RM

Eckstück 90° 'männlich'

90° Male Angle Drive

pag. 50

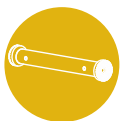


RF

Ecstück 90° 'weiblich'

90° Female Angle Drive

pag. 51



B

Verlängerung mit beidseitigem gezahnten Anschluss

Bilateral Modular Gear Extension

pag. 52



U

Verlängerung mit einseitigem gezahnten Anschluss

Unilateral Modular Gear Extension

pag. 53



DM_{xx}DF_{xx}

pag. 54



DM_{xx}P_{xx}DM_{xx}

pag. 55



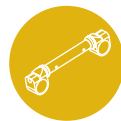
DM_{xx}RFDM_{xx}

pag. 56



KS_{xx}P_{xx}DM_{xx}

pag. 57



DM_{xx}B_{xx}DM_{xx}

pag. 58



U_{xx}DM_{xx}

pag. 59



DF_{xx}RMP_{xx}DM_{xx}

pag. 60



DM_{xx}P_{xx}RMB_{xx}DM_{xx}

pag. 61

gezahnte Klemmstücke

NEW

Die neuen gezahnten Klemmen sind dank des **exklusiven Modularsystems** äußerst flexibel in der Anwendung.

Mit nur **8 Komponenten** können viele Kombinationen realisiert werden, um die Handlingsysteme an Transferpressen zu vereinfachen.

unvergleichbare Haltbarkeit und Flexibilität



WIRTSCHAFTLICHER / ECONOMICAL



ROBUSTER / ROBUST



GENAUER / PRECISE



LEICHTER / LIGHTWEIGHT



STABILER / STABLE



VIELSEITIGER / VERSATILE



EINSTELLBAR / ADJUSTABLE

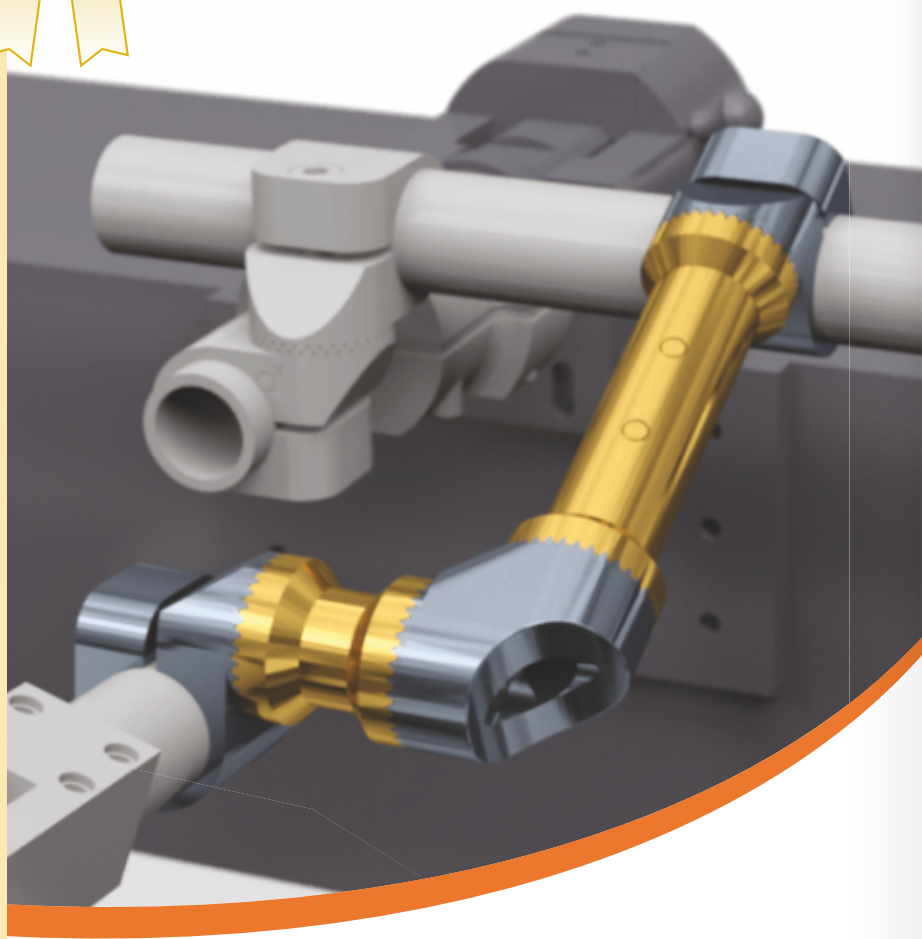
In 10° Schritten über 360° einstellbar
Progressive radial adjustment 10°x360°

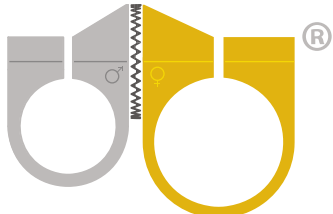
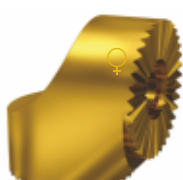
Gear Brackets

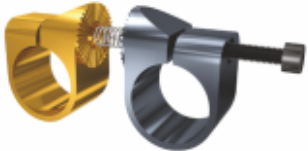
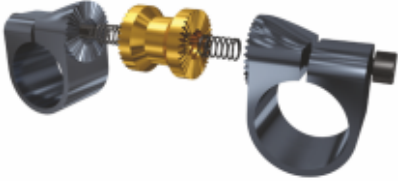
The new Brackets, designed with a particular toothed configuration, can fit any type of requirement thanks to an **Exclusive Modular System**.

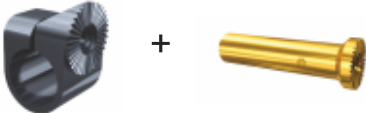
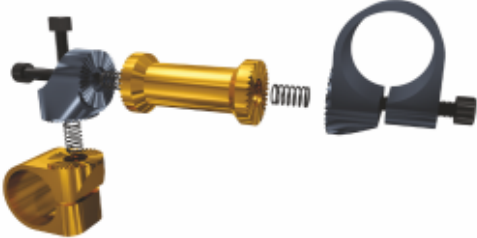
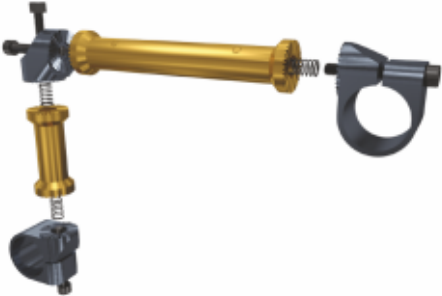
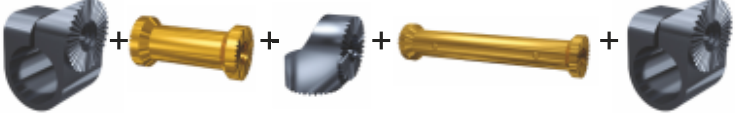
With only **8 pieces** you can reach **unlimited combinations** that make the handling systems for Transfer Presses simpler and faster.

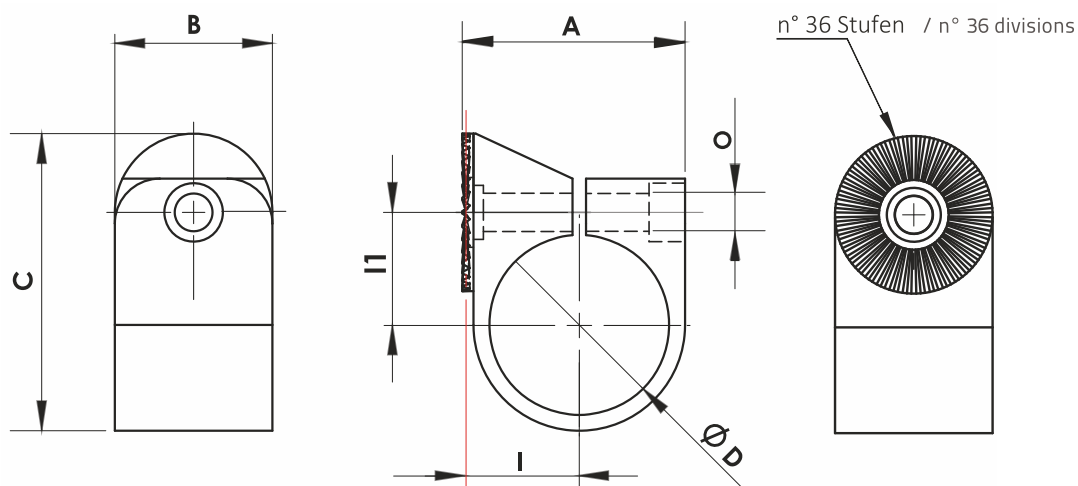
Unmatched resistance and flexibility



CODE	8 KOMPONENTEN / COMPONENTS	Ø DURCHMESSER / Ø DIAMETERS	BAUGRUPPEN / COMBINATIONS	
DM		Ø40 Ø30 Ø28 Ø25	 DMR Gemeinschaftsgeschmacksmust Community Registered Design  Kombinationen / Combinations	
DF				
KS		Ø40 Ø30 Ø28		
P		LÄNGEN / LENGTHS		
		35 50 75 100		
B		110 -- -- 500		
U		75 -- -- 500		
RF		GRAD / DEGREES		
RM		90°		

BEISPIELE FÜR BAUGRUPPEN / COMBINATIONS EXAMPLES	KOMPONENTEN / COMPONENTS
	DF + DM 
	DM + P + DM 
	DM + RF + DM 
	KS + P + DM 

BEISPIELE FÜR BAUGRUPPEN / COMBINATIONS EXAMPLES	KOMPONENTEN / COMPONENTS
	DM B DM 
	DM U 
	DF RM P DM 
	DM P RM B DM 

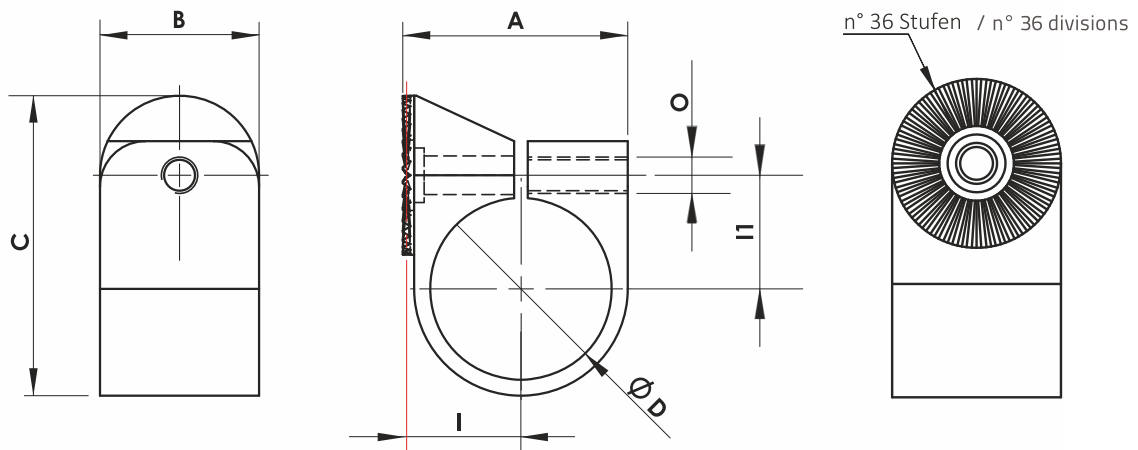


Material: Aluminium 6082
Behandlung: metallgrau eloxiert

Material: Aluminium 6082
Treatment: Gunmetal anodizing

Hauptachse / Primary axis

CODE	A	B	C	ØD	I	I1	O	Gewicht / Weight (Kg)	Bemerkungen / Note
DM25	39,5	35	56	25	21	20	8,5	0,100	
DM28	39,5	35	56	28	21	20	8,5	0,090	
DM30	39,5	35	56	30	21	20	8,5	0,080	
DM40	49,5	35	66	40	25,5	25	8,5	0,105	

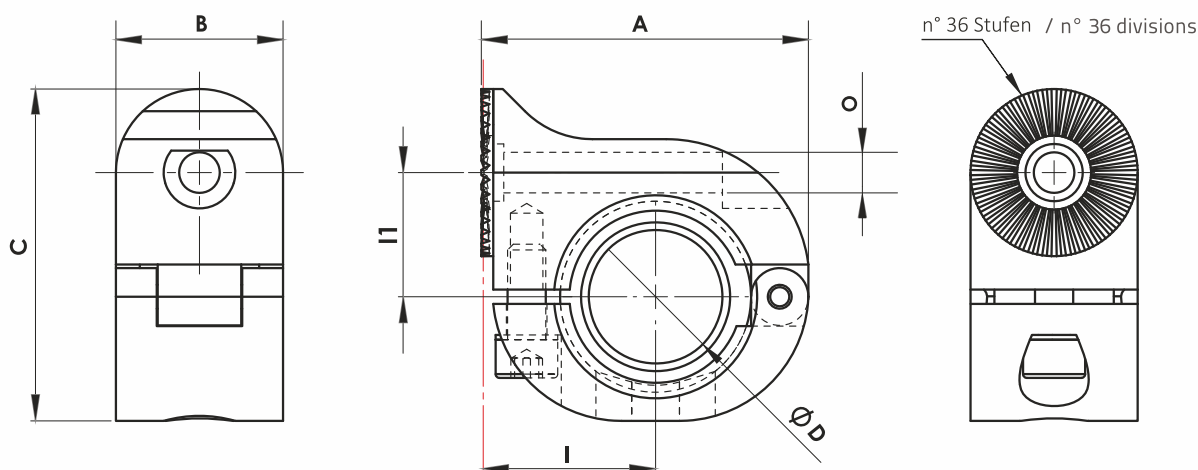
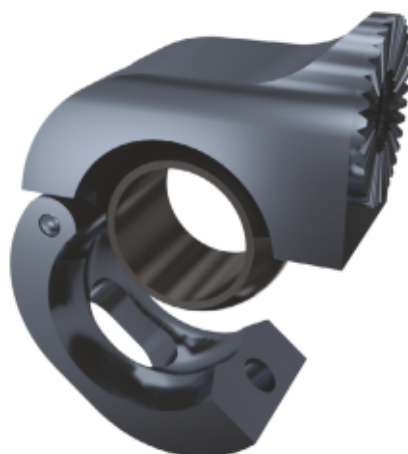


Material: Aluminium 6082
Behandlung: gold eloxiert

Material: Aluminium 6082
Treatment: Gold anodizing

Hauptachse / Primary axis

CODE	A	B	C	ØD	I	I1	O	Gewicht / Weight (Kg)	Bemerkungen / Note
DF25	39,5	35	56	25	21	20	M8	0,100	
DF28	39,5	35	56	28	21	20	M8	0,090	
DF30	39,5	35	56	30	21	20	M8	0,080	
DF40	49,5	35	66	40	25,5	25	M8	0,105	

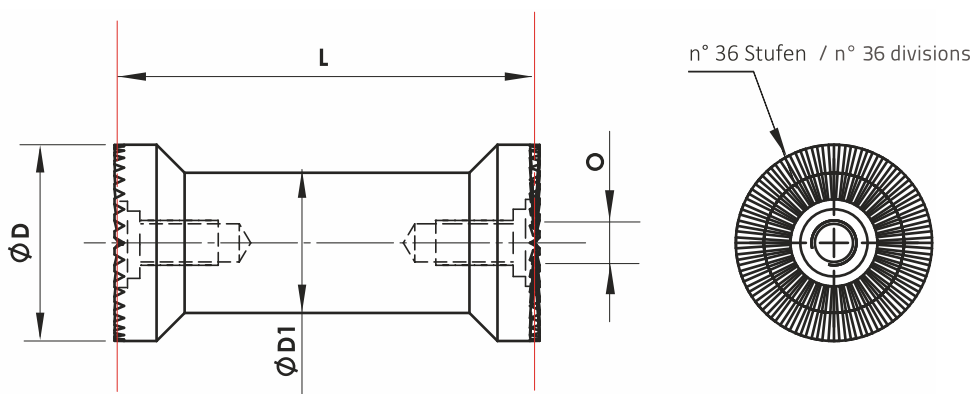
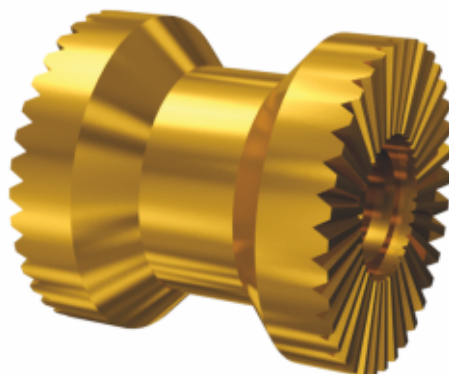


Material: Aluminium 6082 & behandelter Stahl
Behandlung: metallgrau eloxiert und Brünierung

Material: Aluminium 6082 & treated Steel
Treatment: Gunmetal anodizing & Burnishing

Hauptachse / Primary axis

CODE	A	B	C	ØD	I	I1	O	Gewicht / Weight (Kg)	Bemerkungen / Note
KS28	68,5	35	69,5	28	36	26	8,5	0,290	
KS30	68,5	35	69,5	30	36	26	8,5	0,290	
KS40	78,5	35	79,5	40	41	31	8,5	0,305	

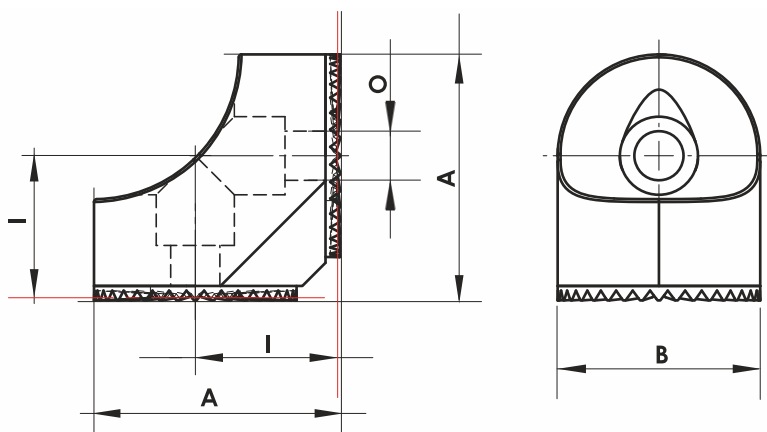


Material: Aluminium 6082
Behandlung: gold eloxiert

Material: Aluminium 6082
Treatment: Gold anodizing

Hauptachse / Primary axis

CODE	ØD	ØD1	L	Ø	Gewicht / Weight (Kg)	Bemerkungen / Note
P35	35	25	35	M8	0,060	
P50	35	25	50	M8	0,085	
P75	35	25	75	M8	0,110	
P100	35	25	100	M8	0,140	

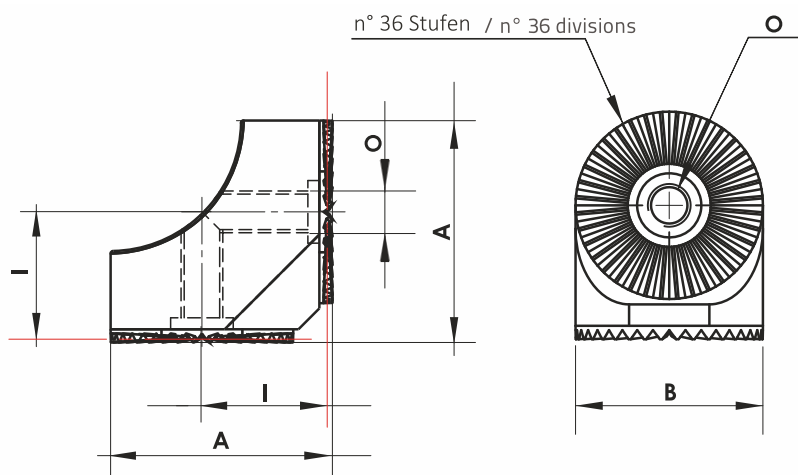


Material: Aluminium 6082
Behandlung: metallgrau eloxiert

Hauptachse / Primary axis

Material: Aluminium 6082
Treatment: Gunmetal anodizing

CODE	A	B	I	O	Gewicht / Weight (Kg)	Bemerkungen / Note
RM	42,5	35	24,5	8,5	0,90	

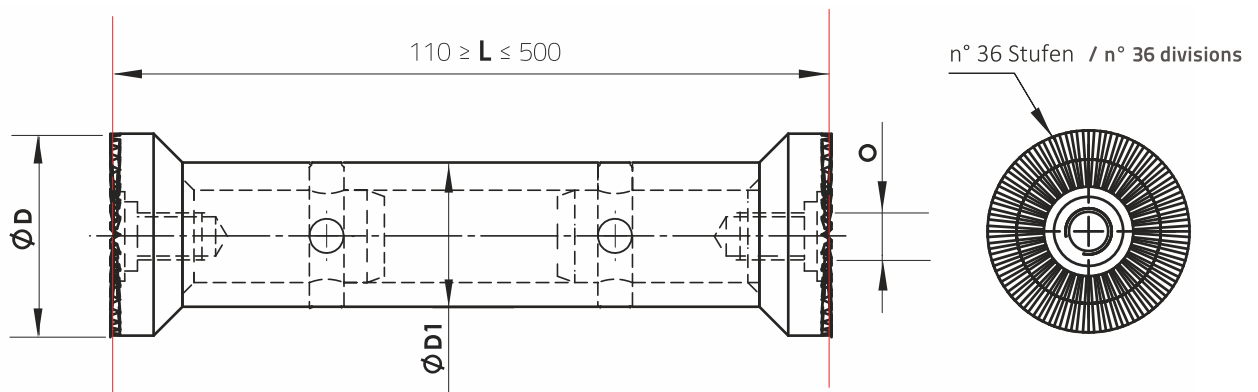


Material: Aluminium 6082
Behandlung: gold eloxiert

Hauptachse / Primary axis

Material: Aluminium 6082
Treatment: Gold anodizing

CODE	A	B	I	O	Gewicht / Weight (kg)	Bemerkungen / Note
RF	42,5	35	24,5	M8	0,095	

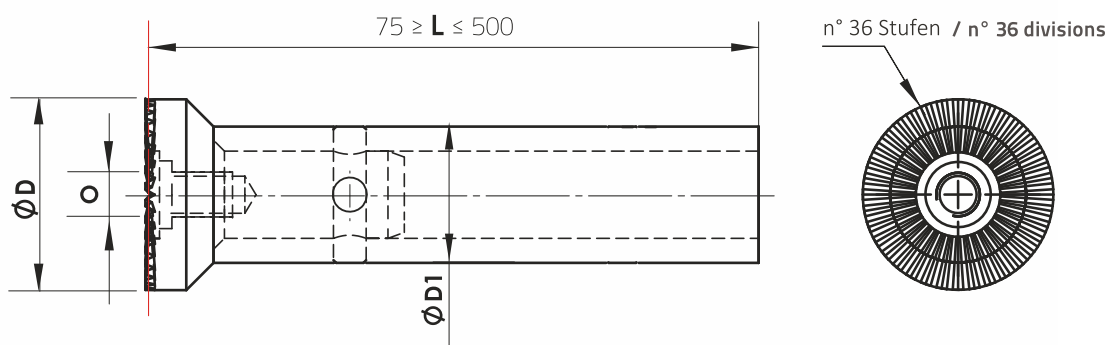


Material: Aluminium 6082
Behandlung: gold eloxiert

Material: Aluminium 6082
Treatment: Gold anodizing

Hauptachse / Primary axis

CODE	$\varnothing D$	$\varnothing D1$	L	O	Gewicht / Weight (Kg)	Bemerkungen / Note
B110	35	25	110	M8	0,180	Länge auf Anfrage - Gewicht variabel gem. L L upon request - Variable weight according to L
B500	35	25	500	M8	0,530	



Material: Aluminium 6082

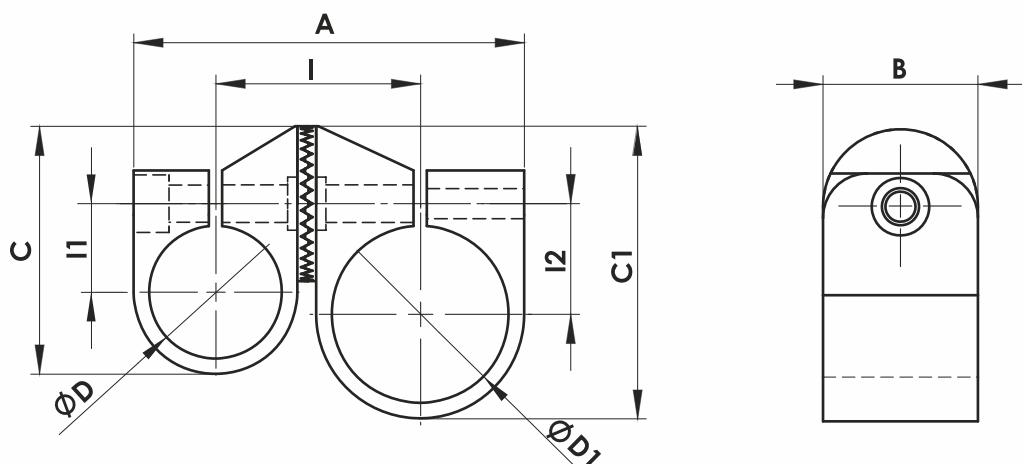
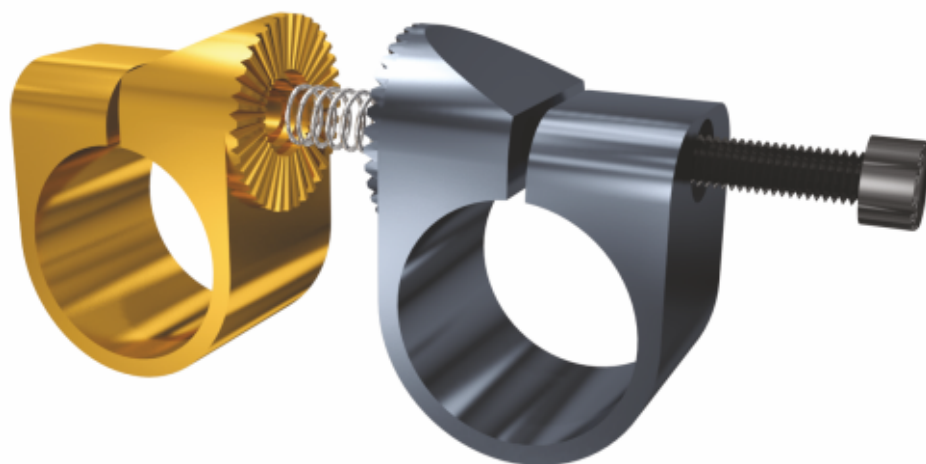
Behandlung: gold eloxiert

Material: Aluminium 6082

Treatment: Gold anodizing

Hauptachse / Primary axis

CODE	$\varnothing D$	$\varnothing D1$	L	O	Gewicht / Weight (Kg)	Bemerkungen / Note
U75	35	25	75	M8	0,110	Länge auf Anfrage - Gewicht variabel gem. L L upon request - Variable weight according to L
U500	35	25	500	M8	0,490	



Material: Aluminium 6082

Behandlung: gold und metallgrau eloxiert

Schrauben: enthalten

Material: Aluminium 6082

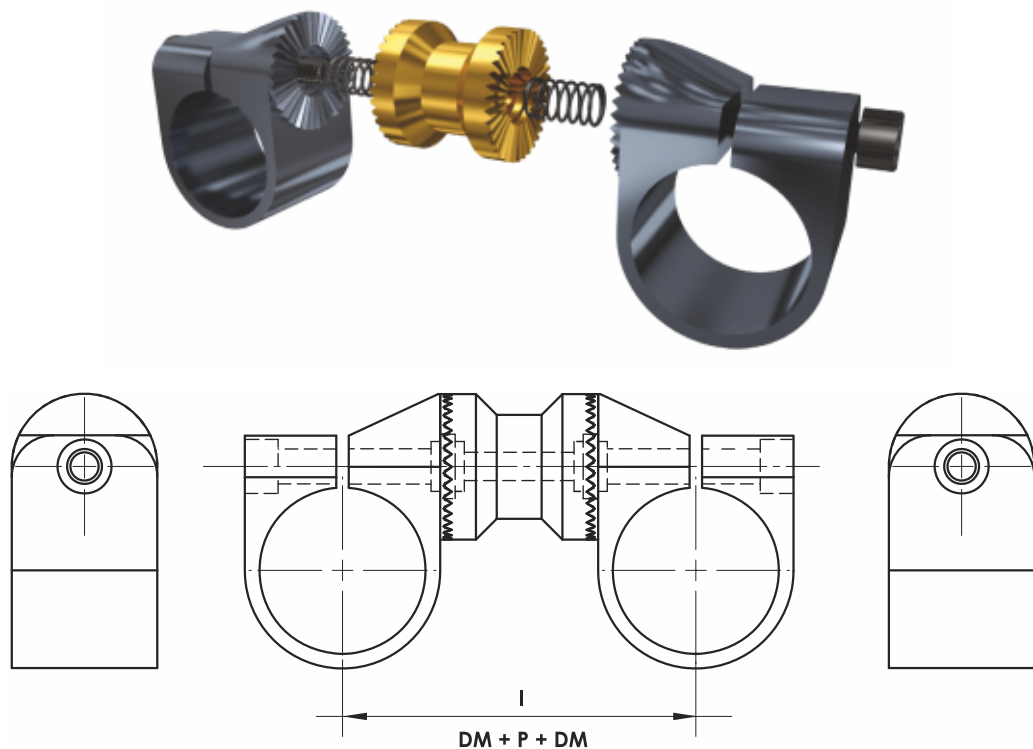
Treatment: Gold and gunmetal anodizing

Bolts: Included

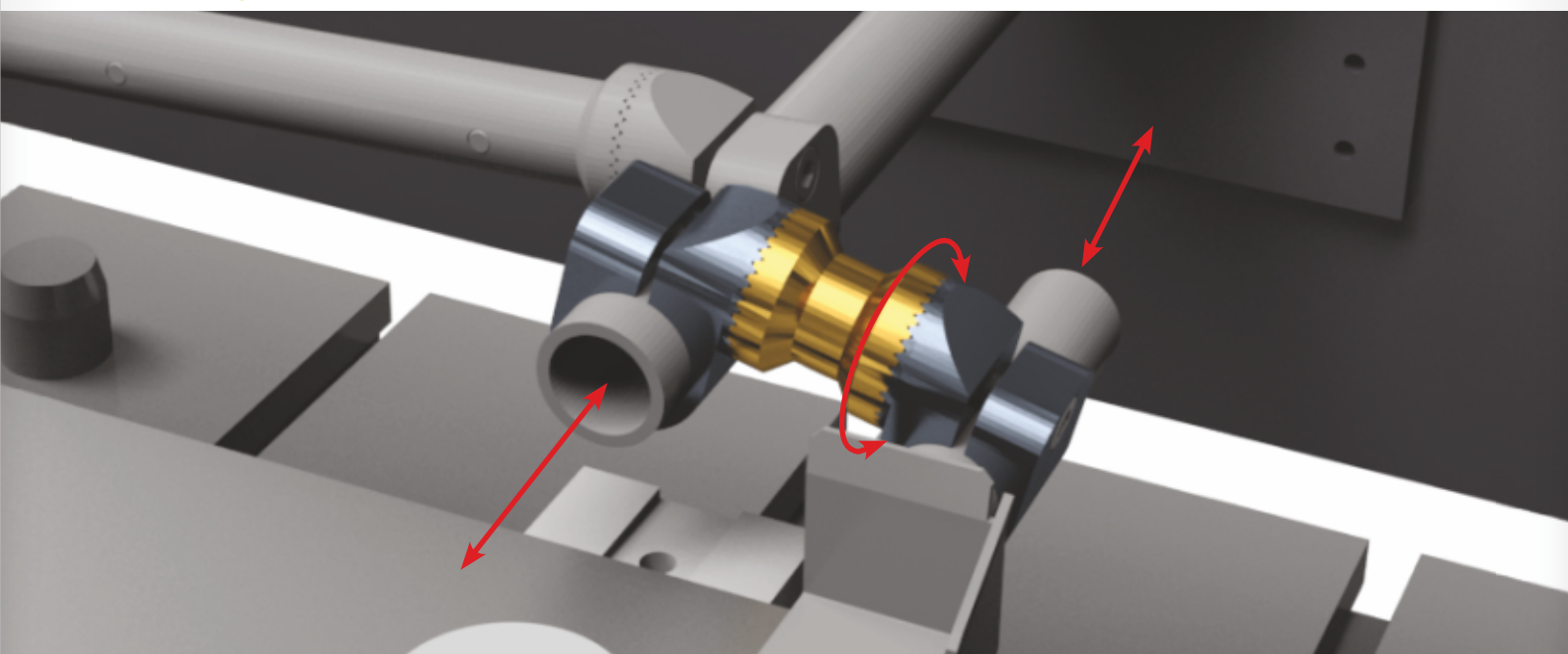
CODE	A	B	C	C1	ØD	ØD1	I	I1	I2	Gewicht / Weight (Kg)	Bemerkungen / Note
DM25DF25	78	35	56	56	25	28	41	20	20	0,190	
DM25DF28	78	35	56	56	25	28	41	20	20	0,190	
DM25DF30	78	35	56	56	25	30	41	20	20	0,180	
DM28DF30	78	35	56	56	28	30	41	20	20	0,170	
DM30DF30	78	35	56	56	30	30	41	20	20	0,160	
DM40DF25	88	35	66	56	40	25	46	25	20	0,205	
DM40DF28	88	35	66	56	40	28	46	25	20	0,195	
DM40DF30	88	35	66	56	40	30	46	25	20	0,185	
DM40DF40	98	35	66	66	40	40	50	25	25	0,210	

Bestellbeispiel
Ordering example

DM	25	P	50	DM	25
gezahnte geschlossene Klemme	Ø Durchmesser Klemme	einteilige gezahnte Verlängerung	Länge der Verlängerung	gezahnte geschlossene Klemme	Ø Durchmesser Klemme
fixed male gear bracket	Ø bracket's diameter	integral extension	extension's length L	fixed male gear bracket	Ø bracket's diameter



Anwendungsbeispiel / Application example



Bestellbeispiel Ordering example

DM

gezahnte
geschlossene
Klemme

fixed
male gear
bracket

25

Ø Durchmesser
Klemme

Ø bracket's
diameter

RF

Eckstück
90°
'weiblich'

90° female
angle drive

DM

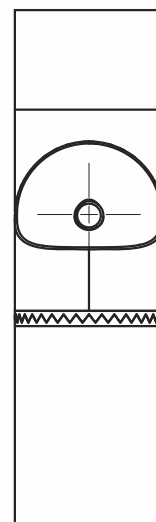
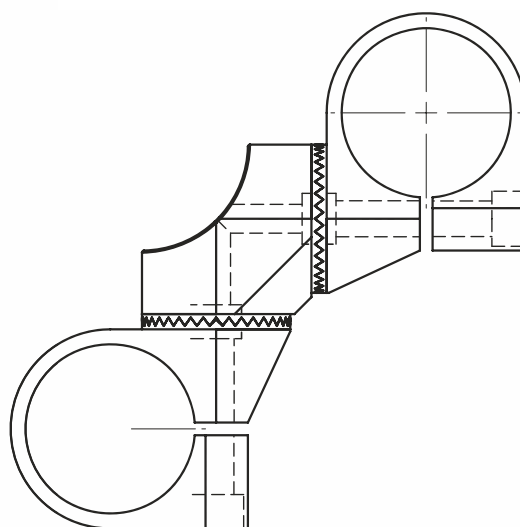
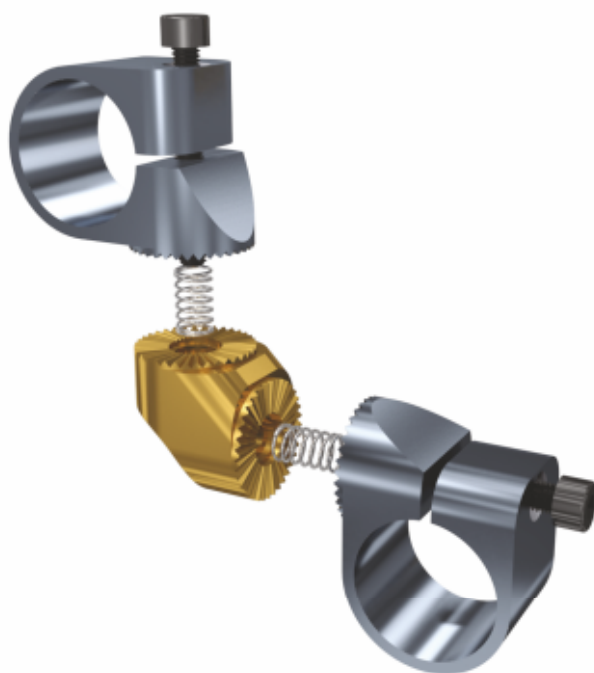
gezahnte
geschlossene
Klemme

fixed
male gear
bracket

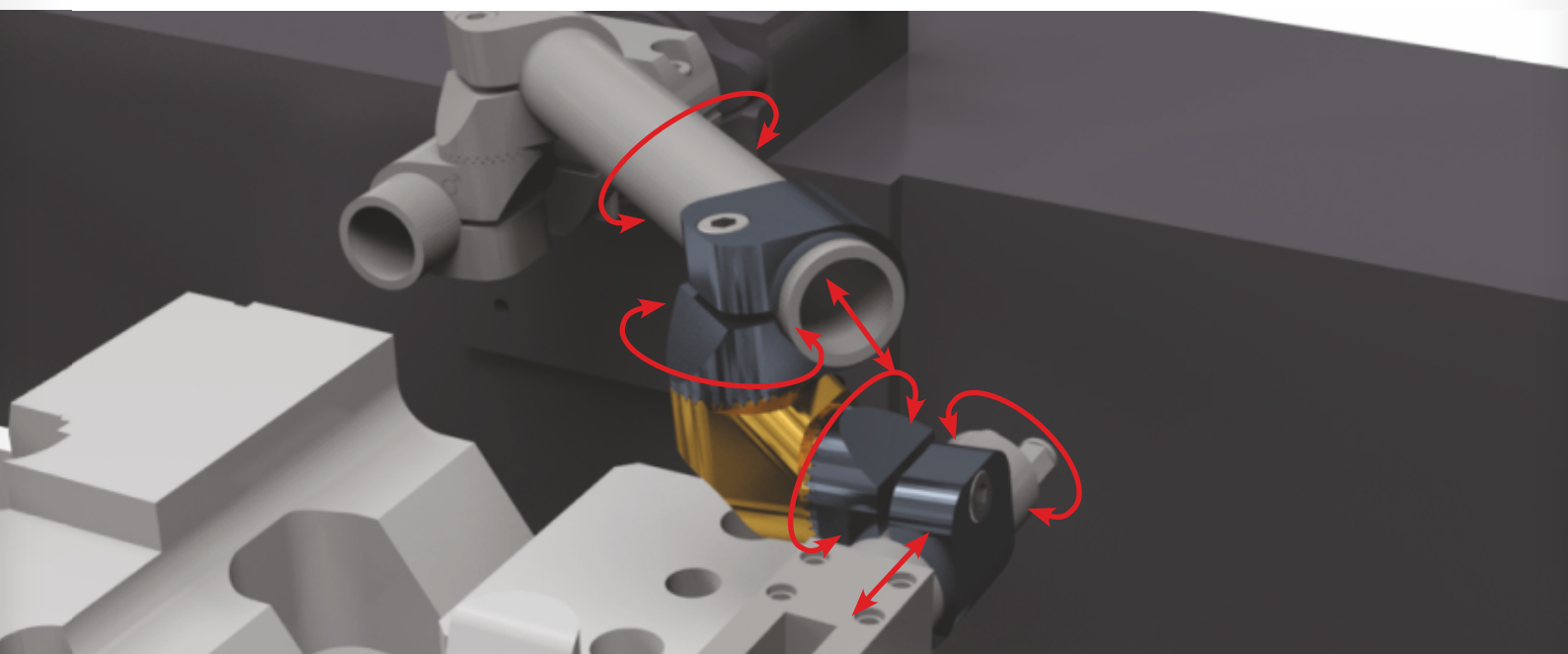
30

Ø Durchmesser
Klemme

Ø bracket's
diameter



Anwendungsbeispiel / Application example



Bestellbeispiel
Ordering example

KS

30

P

35

DM

25

gezahnte Klemme
mit Kugelbuchse,
zu öffnen

openable
gear bracket

Ø Durchmesser
Klemme

Ø bracket's
diameter

einteilige
gezahnte
Verlängerung

integral
extension

Länge der
Verlängerung

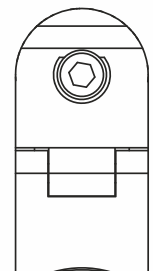
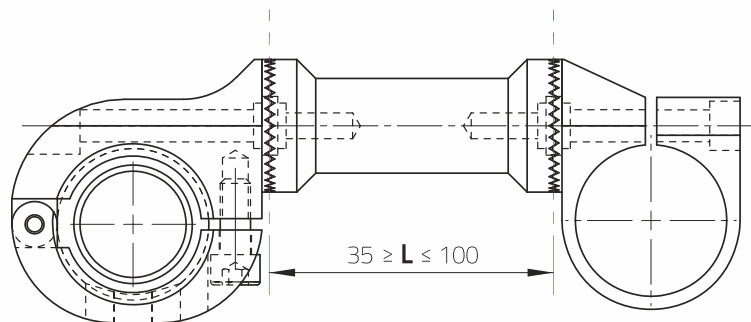
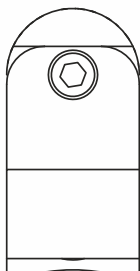
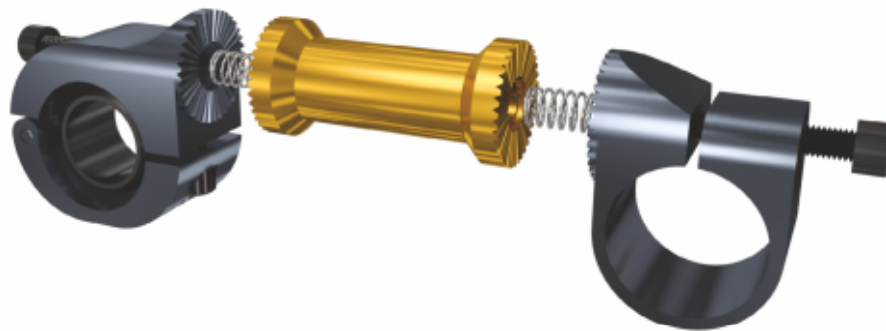
extension's
length L

gezahnte
geschlossene
Klemme

fixed
gear bracket

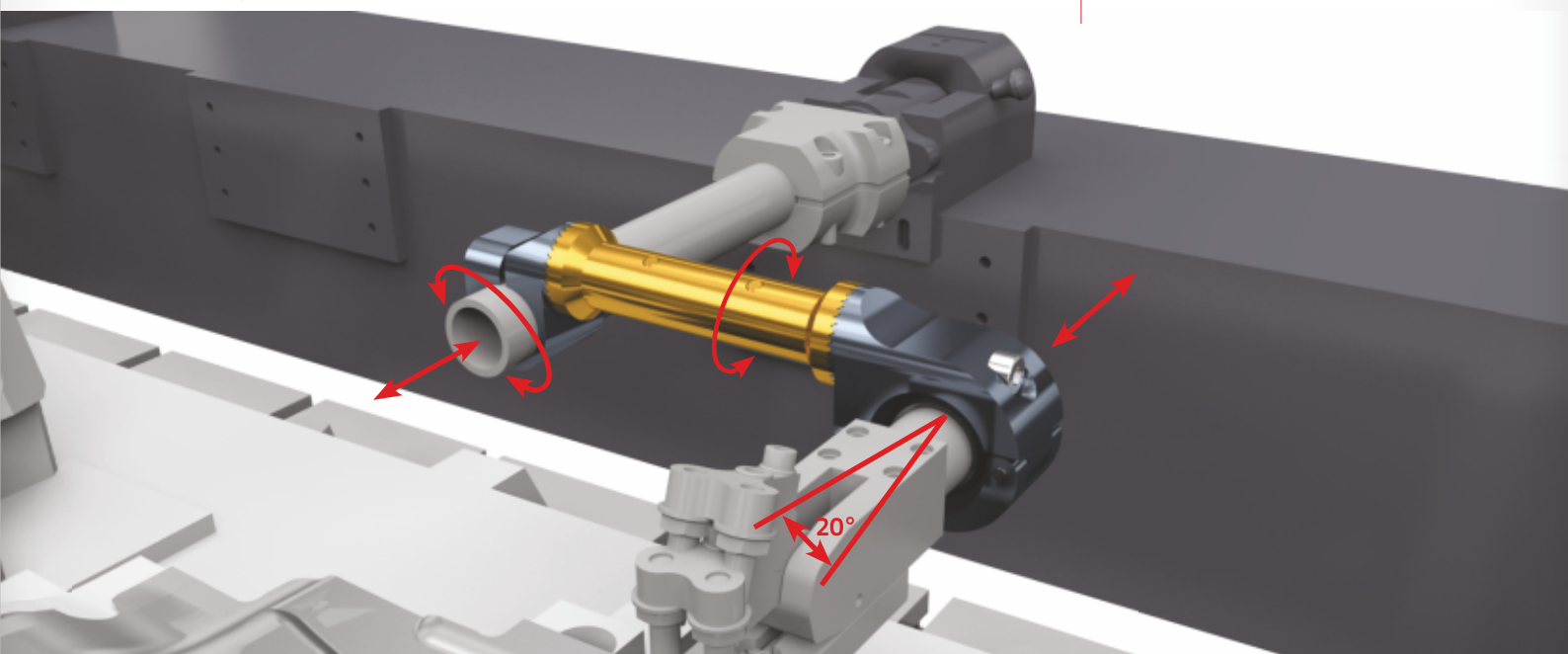
Ø Durchmesser
Klemme

Ø bracket's
diameter



Anwendungsbeispiel / Application example

Hauptachse / Primary axis



Bestellbeispiel
Ordering example

DM

25

B

110

DM

30

gezahnte
geschlossene
Klemme

fixed
male gear
bracket

Ø Durchmesser
Klemme

Ø bracket's
diameter

Verlängerung
mit beidseitigem
gezahnten Anschluss

bilateral
extension

Länge der
Verlängerung

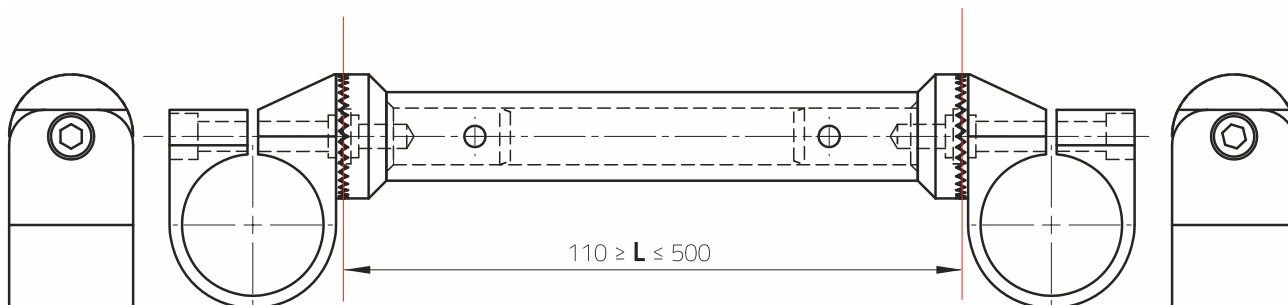
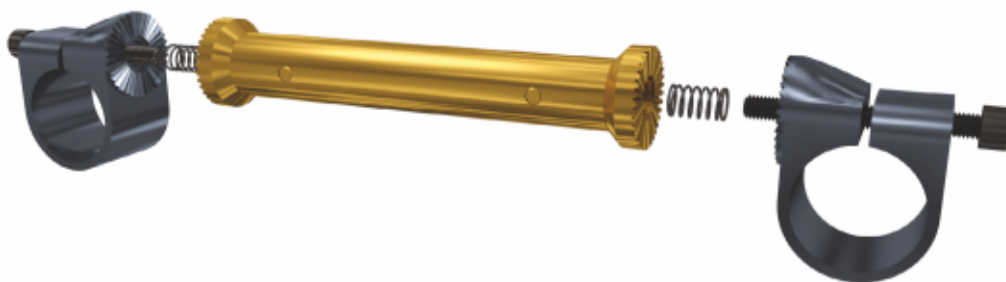
extension's
length L

gezahnte
geschlossene
Klemme

fixed
male gear
bracket

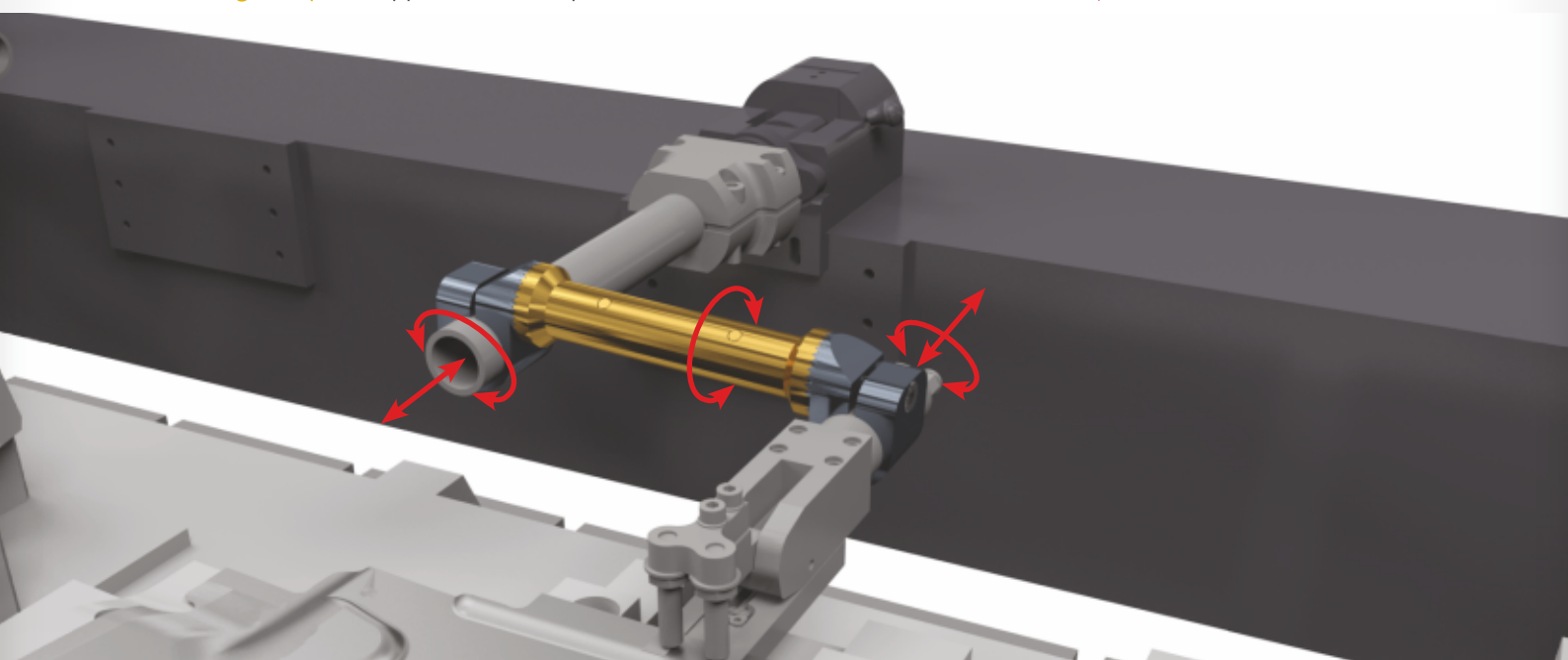
Ø Durchmesser
Klemme

Ø bracket's
diameter



Hauptachse / Primary axis

Anwendungsbeispiel / Application example



Bestellbeispiel
Ordering example

U

Verlängerung
mit einseitigem
gezahnte Anschluss

unilateral
extension

75

Länge der
Verlängerung

extension's
length L

DM

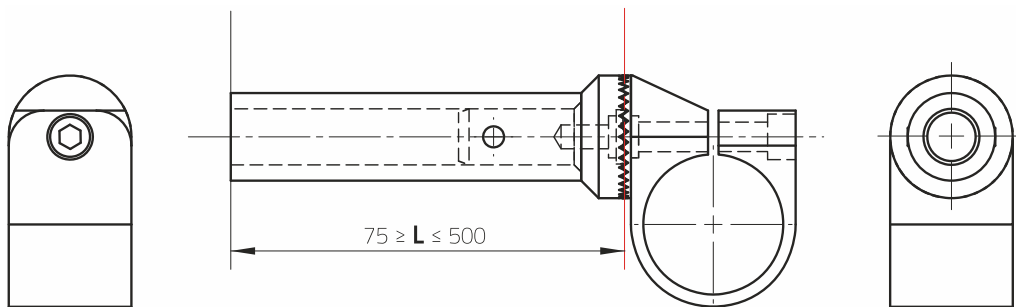
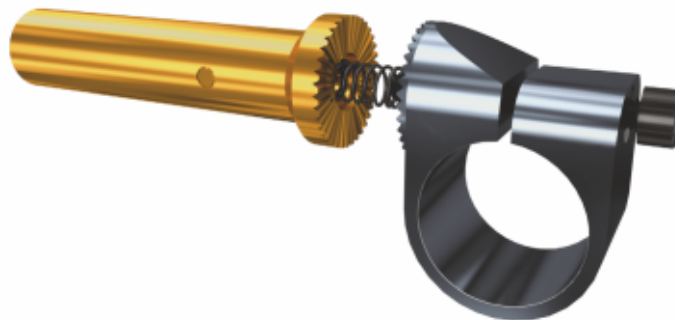
gezahnte
geschlossene
Klemme

fixed gear
bracket

25

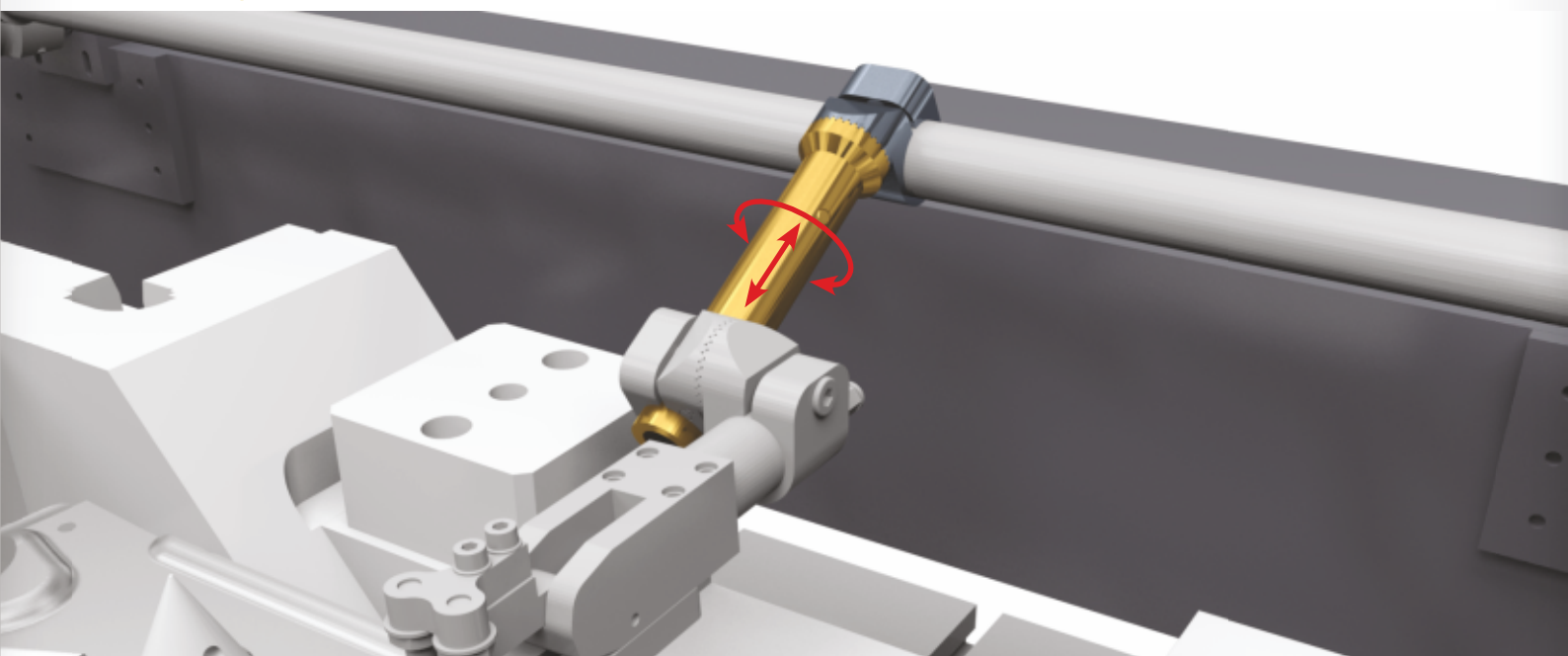
Ø Durchmesser
Klemme

Ø bracket's
diameter



Hauptachse / Primary axis

Anwendungsbeispiel / Application example



DF_{xx}RMP_{xx}DM_{xx}

Bestellbeispiel
Ordering example

DF

30

RM

P

50

DM

25

gezahnte
geschlossene
Klemme

fixed gear
bracket

Ø Durchmesser
Klemme

Ø bracket's
diameter

Eckstück 90°
'männlich'

90° male
angle drive

einteilige
gezahnte
Verlängerung

integral
extension

Länge der
Verlängerung

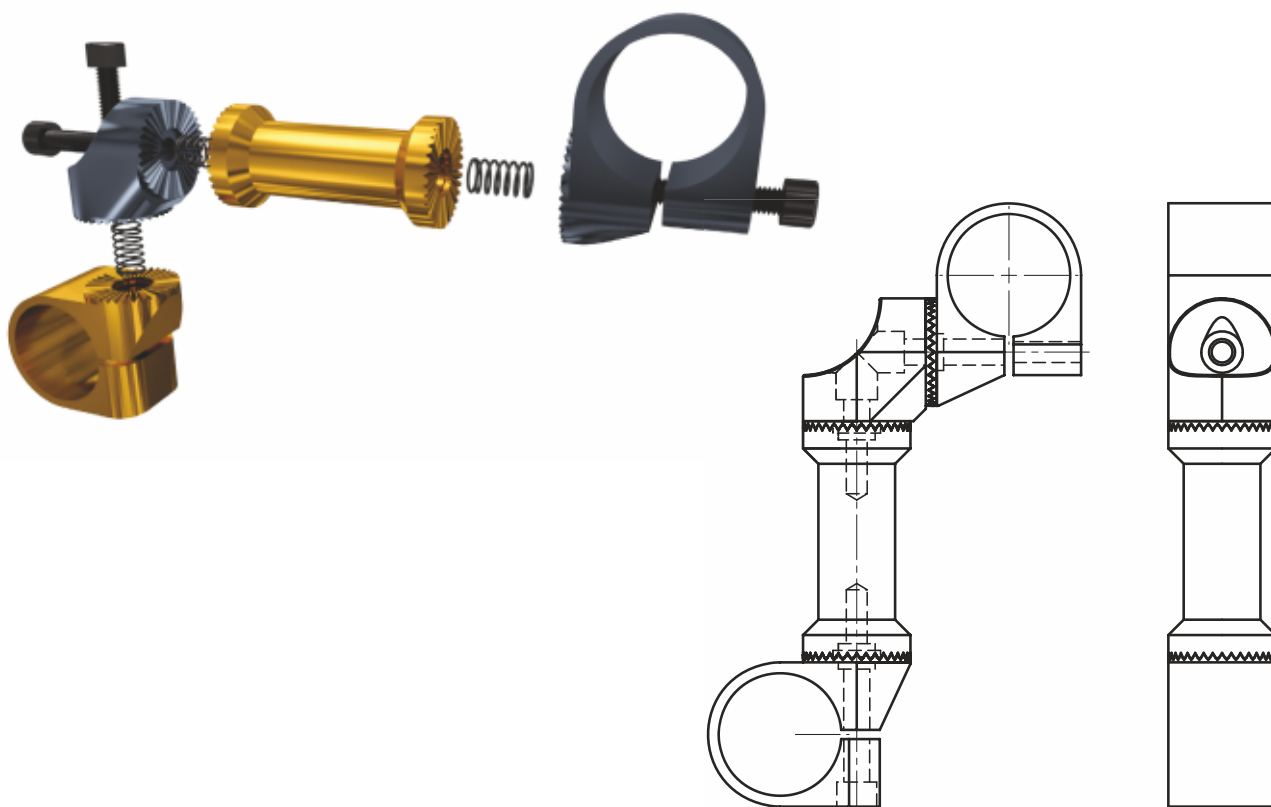
extension's
length L

gezahnte
geschlossene
Klemme

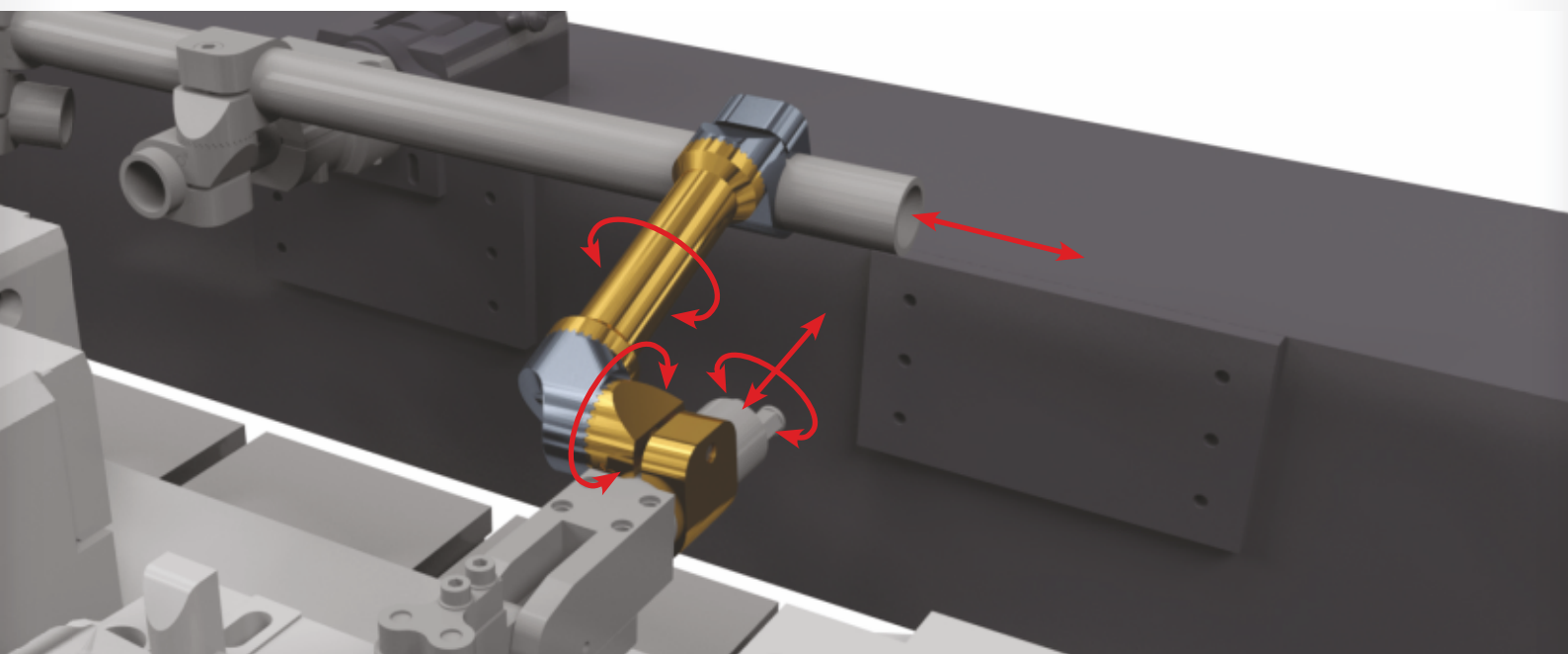
fixed gear
bracket

Ø Durchmesser
Klemme

Ø bracket's
diameter

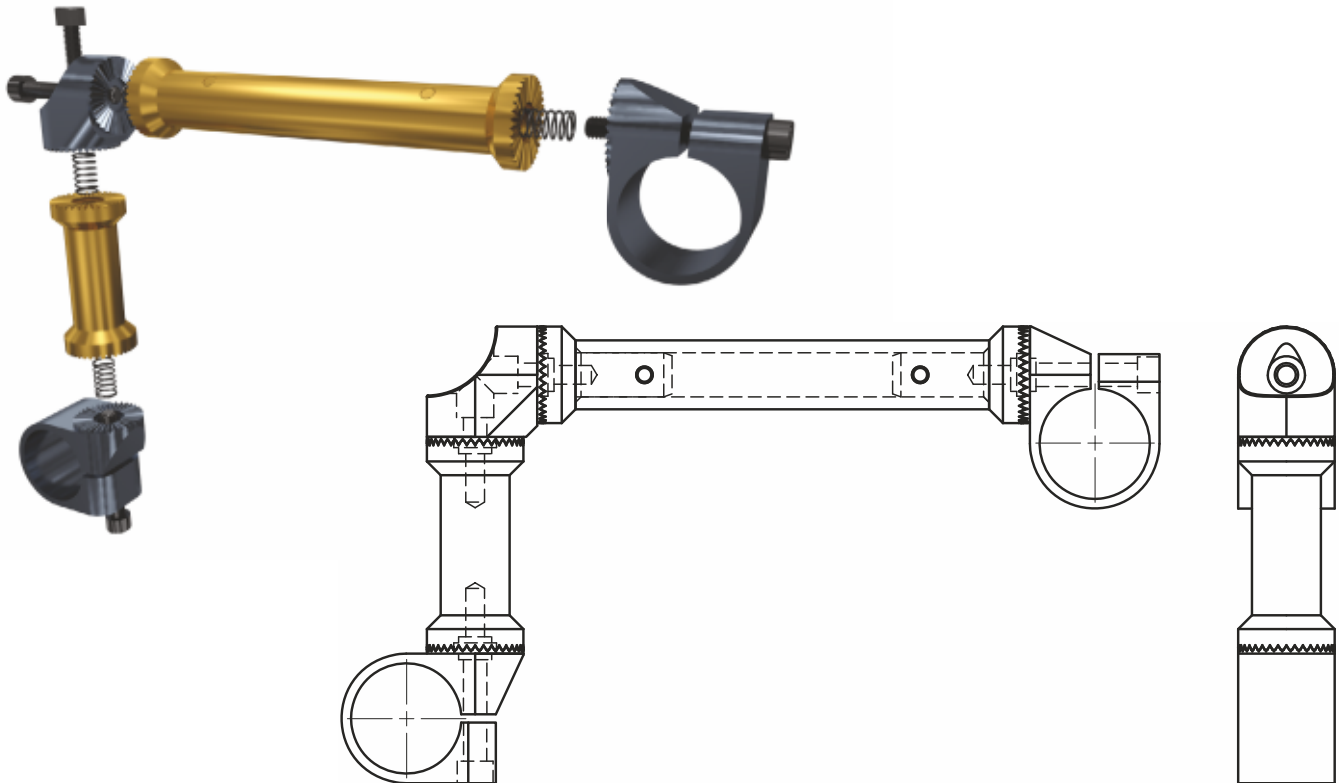


Anwendungsbeispiel / Application example

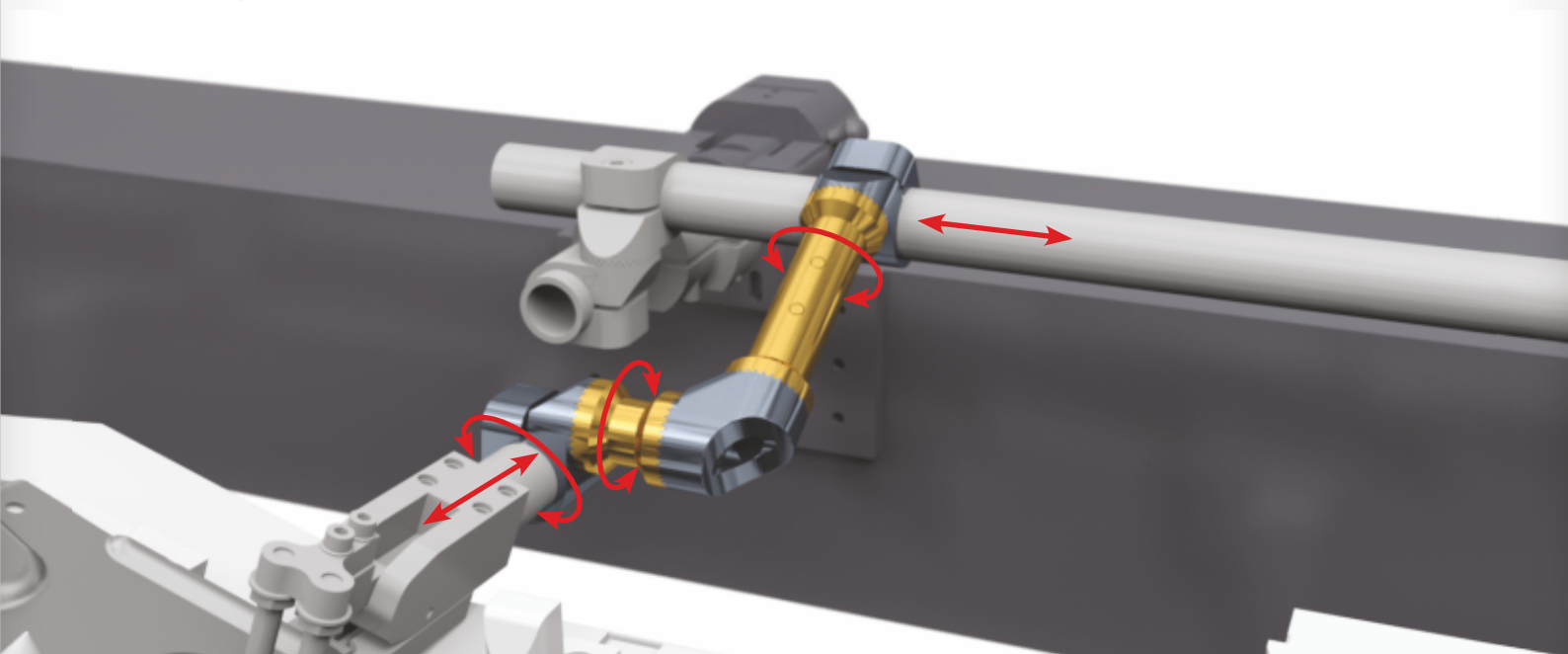


Bestellbeispiel / Ordering example

DM	30	P	35	RM	B	110	DM	25
gezahnte geschlossene Klemme	Ø Durchmesser Klemme	einteilige gezahnte Verlängerung	Länge der Verlängerung	Eckstück 90° 'männlich'	Verlängerung mit beidseitigem gezahnten	Länge der Verlängerung	gezahnte geschlossene Klemme	Ø Durchmesser Klemme
fixed gear bracket	Ø bracket's diameters	integral extension	extension's length L	90° male angle drive	bilateral extension	extension's length L	fixed gear bracket	Ø bracket's diameter



Anwendungsbeispiel / Application example



Bemerkungen / Notes

Antriebsgruppe

Turning Unit



URS - pneumatischer Schwenkantrieb
Pneumatical Turning Unit

pag. 64



UNURS - Anschluss Antriebseinheit
Turning Unit's Mounting

pag. 65



PURS - Anschluss Antriebseinheit
Turning Unit's Mounting

pag. 66



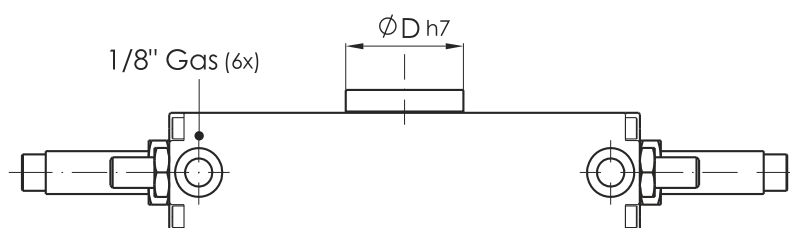
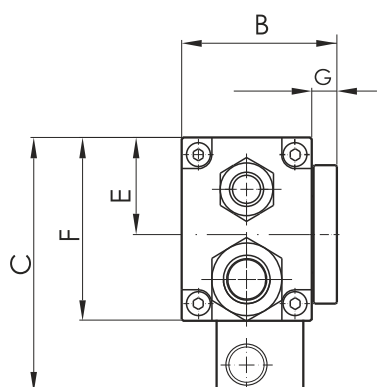
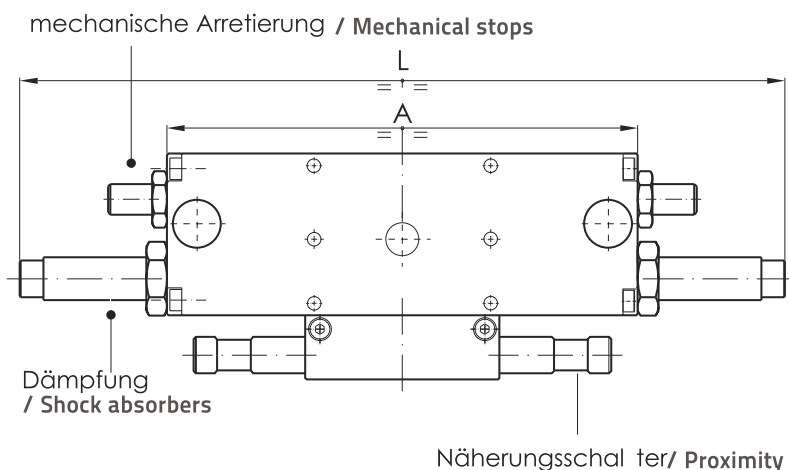
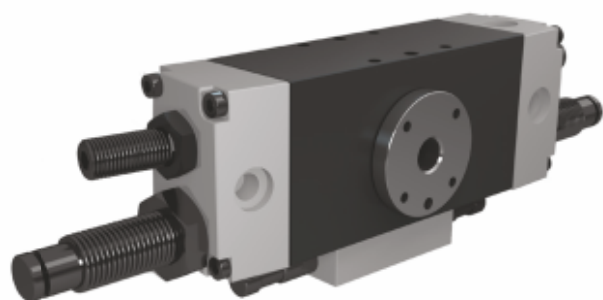
PURS32PAT25 - Anschluss Antriebseinheit
Turning Unit's Mounting

pag. 67



WE-M - Dämpfung
Shock Absorber

pag. 68



Material: Körper - Aluminium 6082 & Übertragung - nitrierter Stahl

Behandlung: Hartanodisieren 50 µm

Schrauben: enthalten

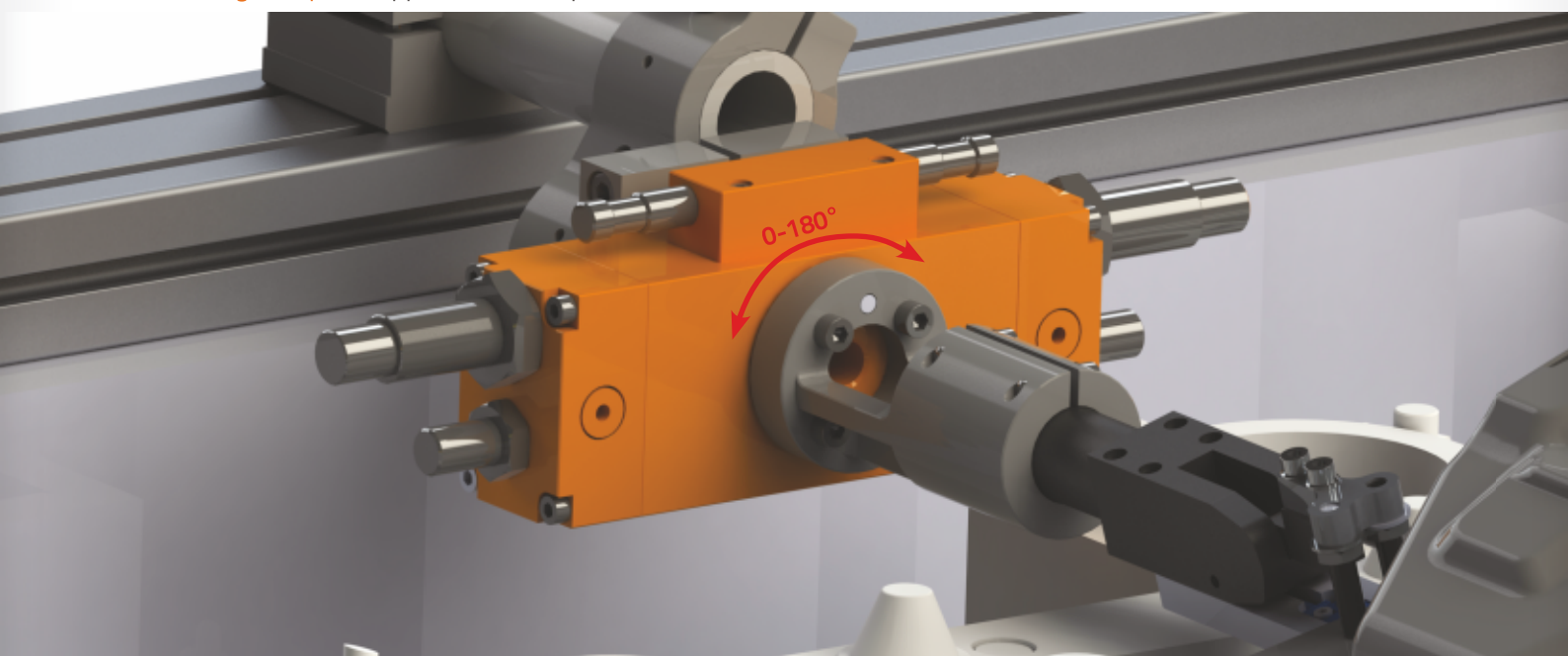
Material: Body - Aluminium 6082 & Transmission - Nitrided Steel

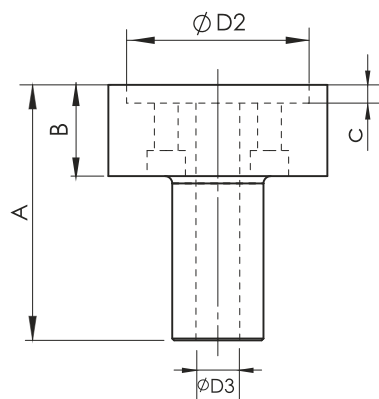
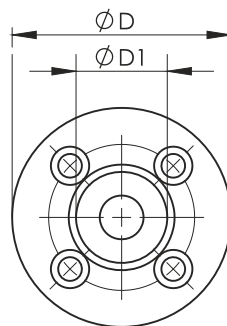
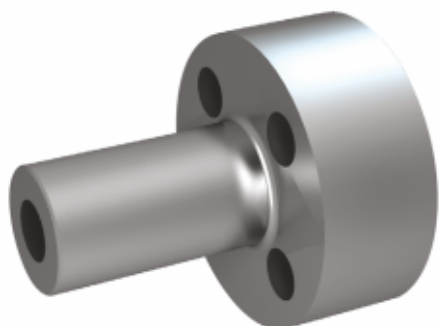
Treatment: Hard anodizing 50 µm

Bolts: Included

CODE	A	B	C	ØD	E	F	G	L (min)	L (max)	Gewicht / Weight (Kg)	Bemerkungen / Note
URS22-180	160	46,5	74	40	28	53	7,5	250	280	1,4	
URS32-180	191	57	90	50	38	69	8	260	300	2	

Anwendungsbeispiel / Application example





Material: Aluminium 6082

Behandlung: metallgrau eloxiert

Schrauben: enthalten

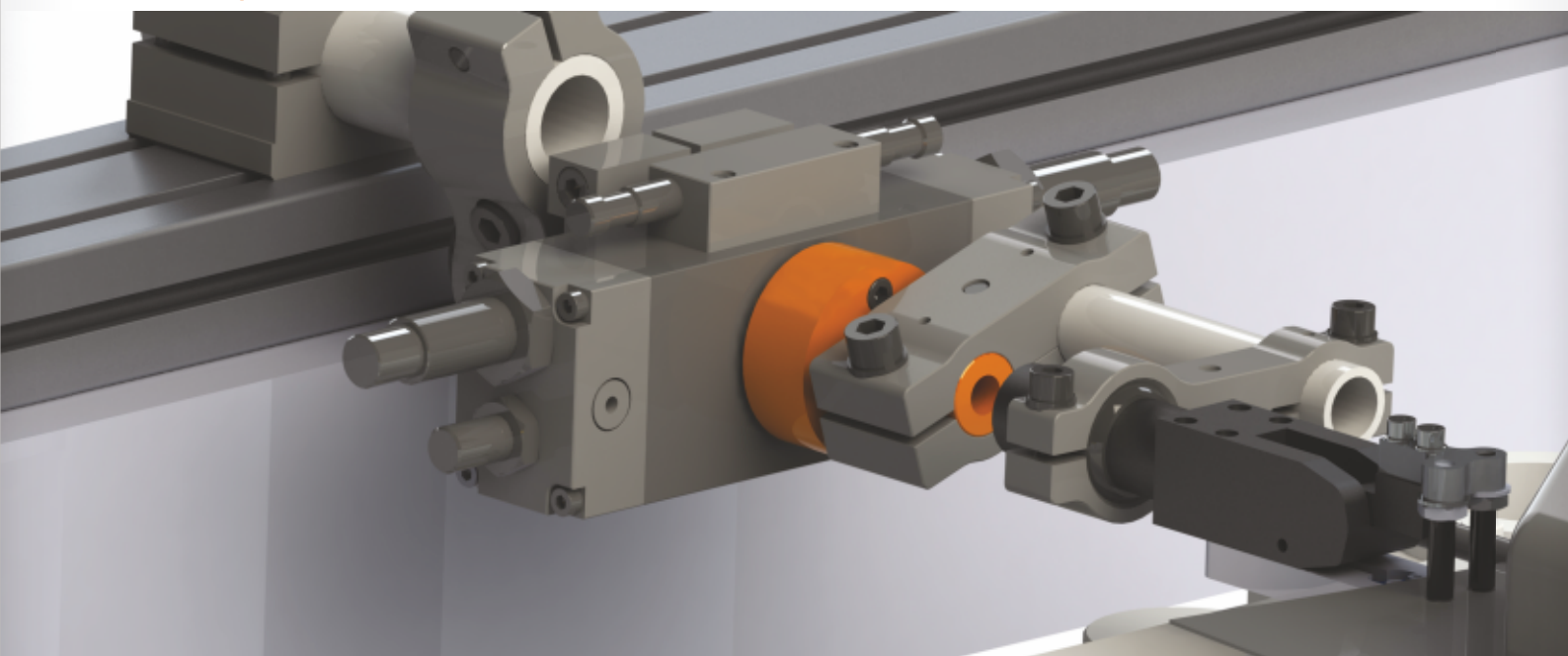
Material: Aluminium 6082

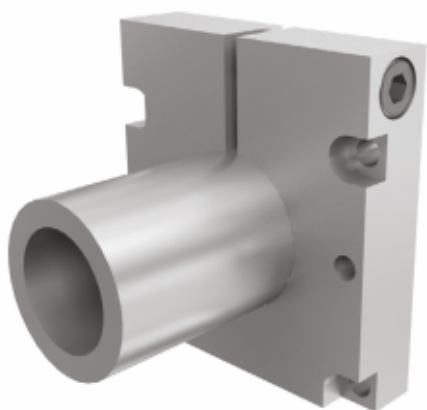
Treatment: Gunmetal anodizing

Bolts: Included

CODE	A	B	C	ØD	ØD1	ØD2	ØD3	Gewicht / Weight (Kg)	Bemerkungen / Note
UNURS32-25M	70	20	5	60	25	50	12	0,16	
UNURS32-40M	70	20	5	60	40	50	12	0,24	

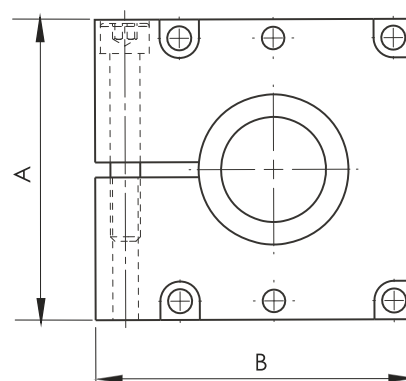
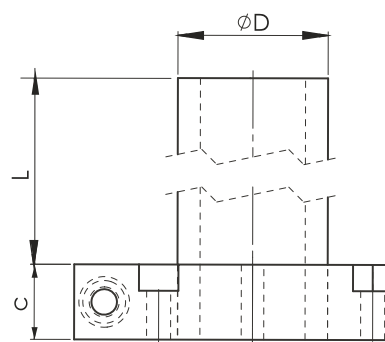
Anwendungsbeispiel / Application example





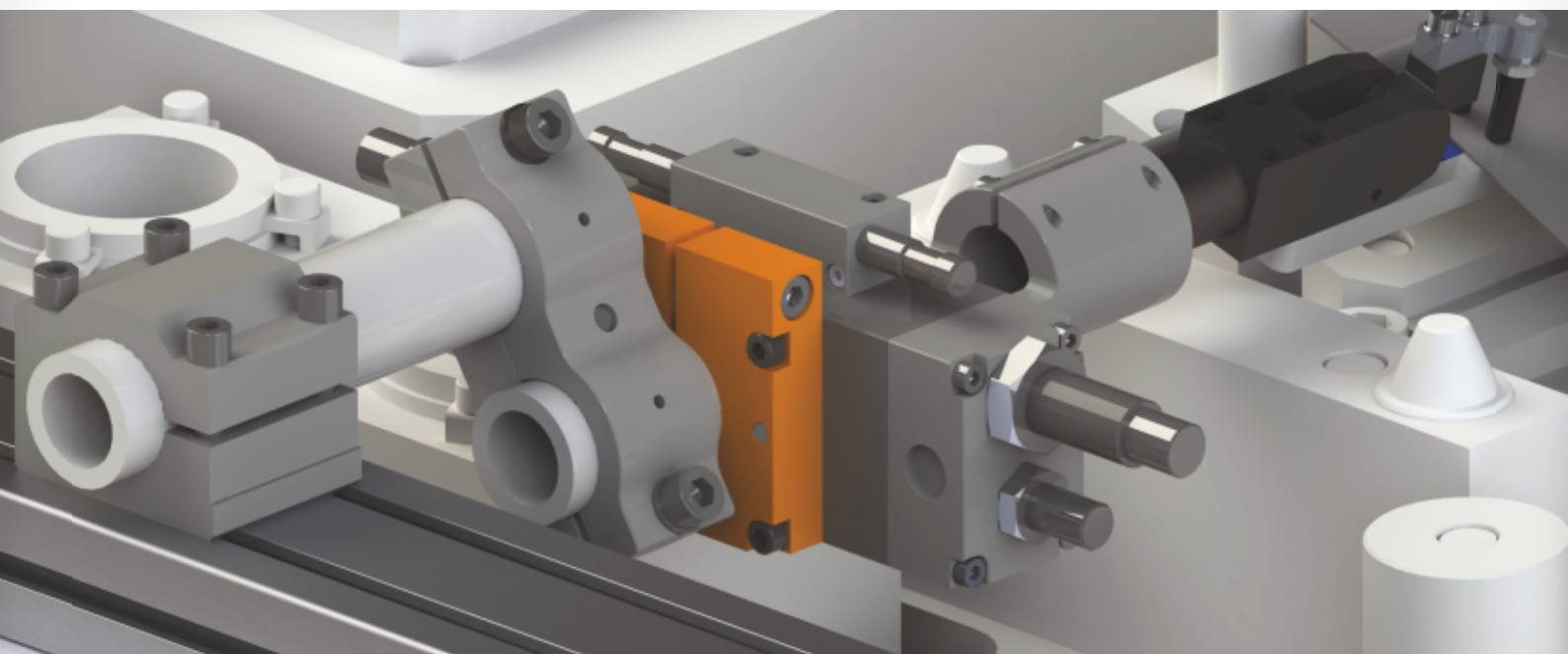
Material: Aluminium 6082
Behandlung: metallgrau eloxiert
Schrauben: enthalten

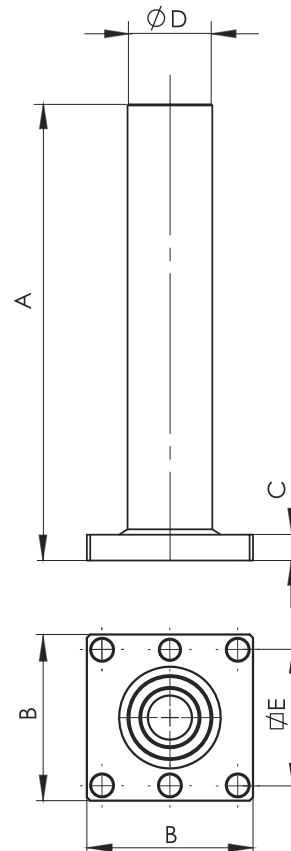
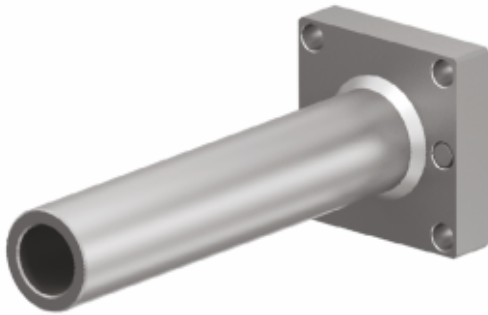
Material: Aluminium 6082
Treatment: Gunmetal anodizing
Bolts: Included



CODE	A	B	C	ØD	L	Peso min. / Weight Min. (Kg)	Bemerkungen / Note
PURS32-40M	80	85	20	40	gemäß Anfrage	0,27	variables Gewicht gem. L / variable weight according to L

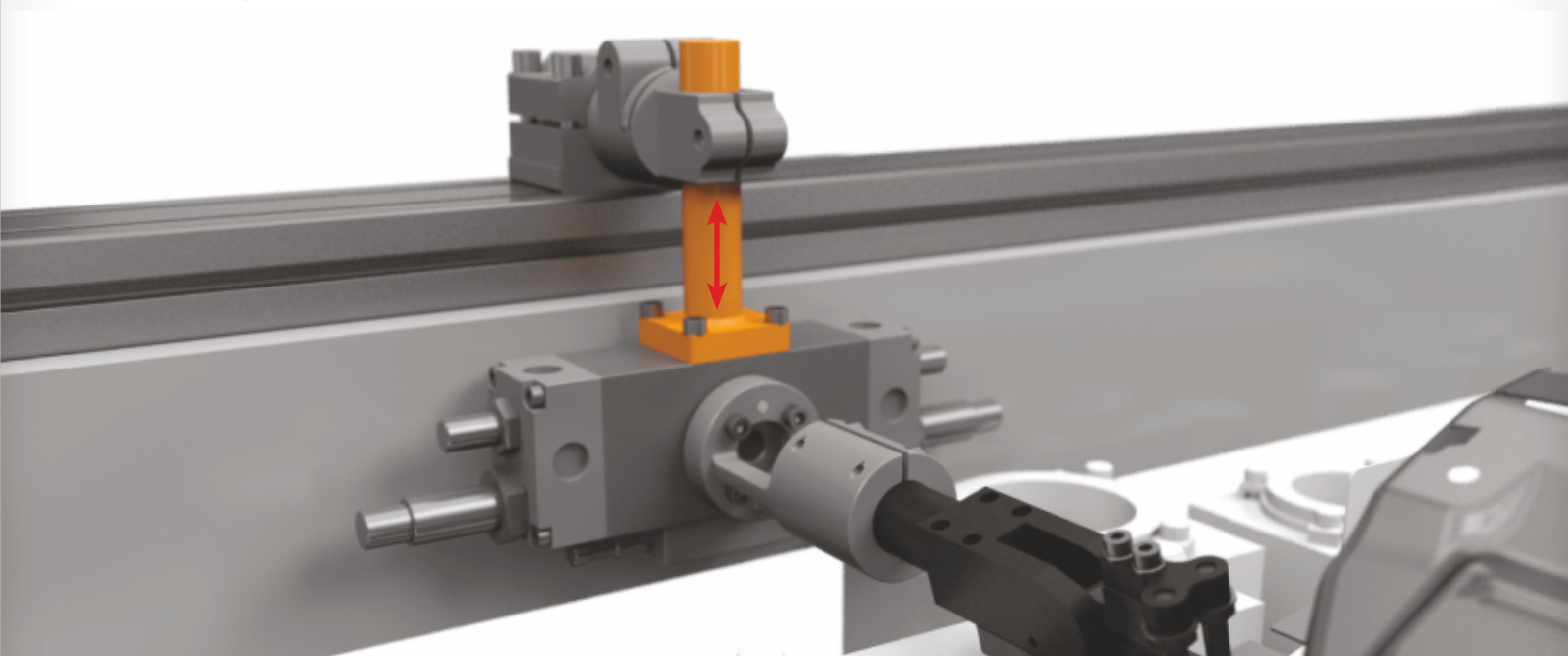
Anwendungsbeispiel / Application example

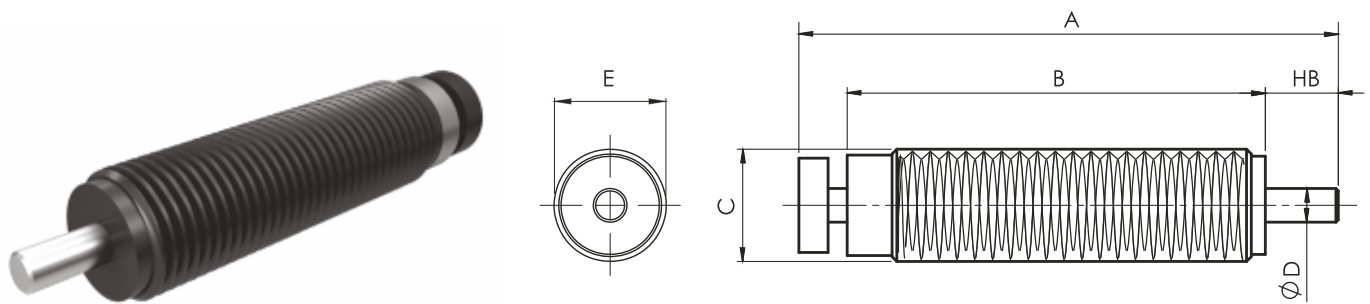


**Material:** Aluminium 6082**Schrauben:** enthalten**Material:** Aluminium 6082**Bolts:** Included

CODE	A	B	C	ØD	E	Peso/ Weight (Kg)	Bemerkungen / Note
PURS32-PAT25	212	49	12	25	40	0,25	Oberseite des Antriebs / on the turning unit's upper side

Anwendungsbeispiel / Application example





Material: Stahl

Behandlung: brüniertes Körper & gehärtete Edelstahlkolbenstange

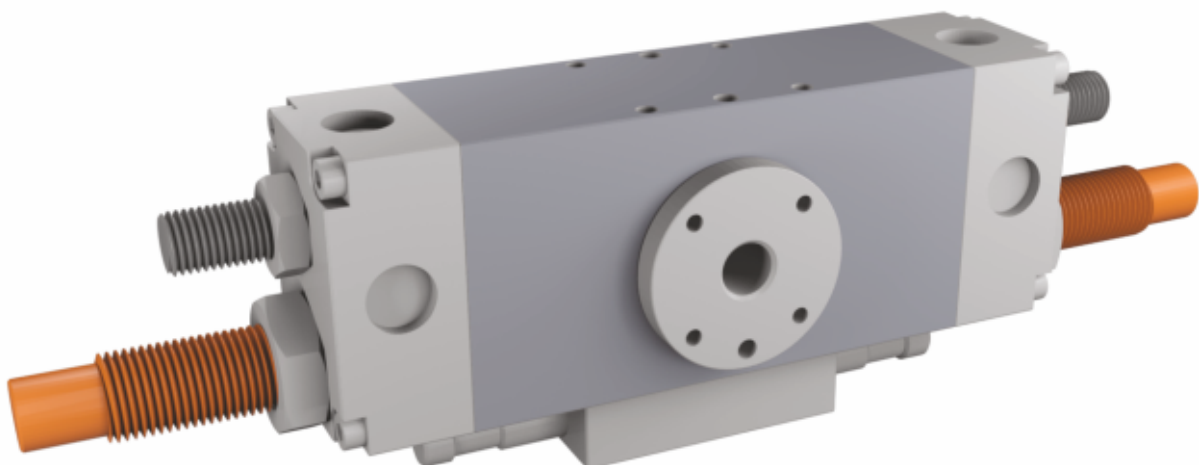
Material: Steel

Treatment: Burnished body & Hardened steel rod

	Hub / Stroke	Energieabsorber / Energy absorber		Wirksame Masse / Effective mass
		Dauerlast / Permanent load		
	mm	Nm / HB (max.)	Nm / h (max.)	min. - max. Kg
WE-M-025	14	30	50.000	1,6 - 1500
WE-M-05	13	65	52.000	6 - 3250

CODE	A	B	C	ØD	E	HB	Gewicht / Weight (Kg)	Bemerkungen / Note
WE-M-025	97	83	M14X1,5	4	13	14	0,065	
WE-M-05	95	81	M20x1,5	6	18	13	0,130	

Anwendungsbeispiel / Application example



Klemmgreifer

Pneumatic Clamps



SA25IC - Kompakt-Klemmgreifer / Pneumatic Miniclamps **pag. 72**



SA25IL - Klemmgreifer / Pneumatic Clamps **pag. 78**



SA25CC - Kompakt-Klemmgreifer / Pneumatic Miniclamps **pag. 84**



SA25CT - Kompakt-Klemmgreifer / Pneumatic Miniclamps **pag. 90**



SA25LL - Klemmgreifer / Pneumatic Clamps **pag. 94**



PAL - Schaufeln / Shovels **pag. 98**

Pneumatikspanner / Pneumatic Clamps

S  peziell konstruiert für Transfersysteme

/ Specifically studied and manufactured for Transfer Systems

M  essbar: die hohen Leistungsmerkmale sind messbar

/ Measurable: its high performances are measurable

A  ktuell und realisierbar - In der Lage die erforderlichen Ziele zu erreichen

/ Achievable - able to reach the required goals

R  entabel mehr als 15 Jahre Know-how geprüft und bestätigt

/ Tested and uphold by over 15 years of expertise

T  reffsicher: Zeitplan für 10 Millionen Zyklen garantiert

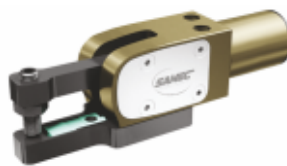
/ Time oriented: 10 million cycles or 5 years guaranteed

SA25IC

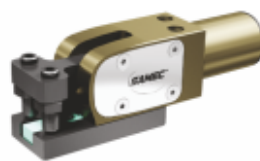
SA25IC1524



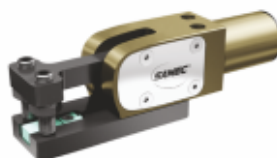
SA25IC1539



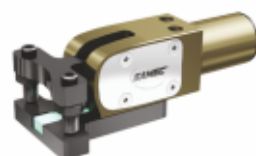
SA25IC3224



SA25IC3239



SA25IC5524



SA25IC5539



Öffnungswinkel: 24°
Opening angle: 24°

SA25IL

SA25IL1524



SA25IL1539



SA25IL3224



SA25IL3239



SA25IL5524



SA25IL5539



Standard Öffnungswinkel: 90°
Eingeschränkter Öffnungswinkel: 45°
Standard Opening angle: 90°
Limited opening angle: 45°

SA25CC

SA25CC1625



SA25CC1640



SA25CC3225



SA25CC3240



SA25CC5525



SA25CC5540



symmetrische Öffnungswinkel: 25°
Symmetrical opening angles: 25°

SA25CT

SA25CT3225



SA25CT3240



SA25CT5525



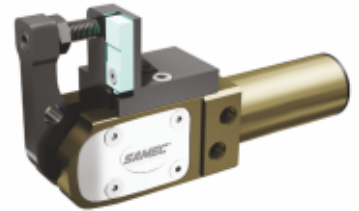
SA25CT5540



asymmetrische Öffnungswinkel:
Ö = 25° Ö = 11°
Asymmetrical Opening angles:
Ö = 25° Ö = 11°

SA25LL

SA25LL1638



SA25LL3238



Öffnungswinkel: 90°
Opening angle: 90°

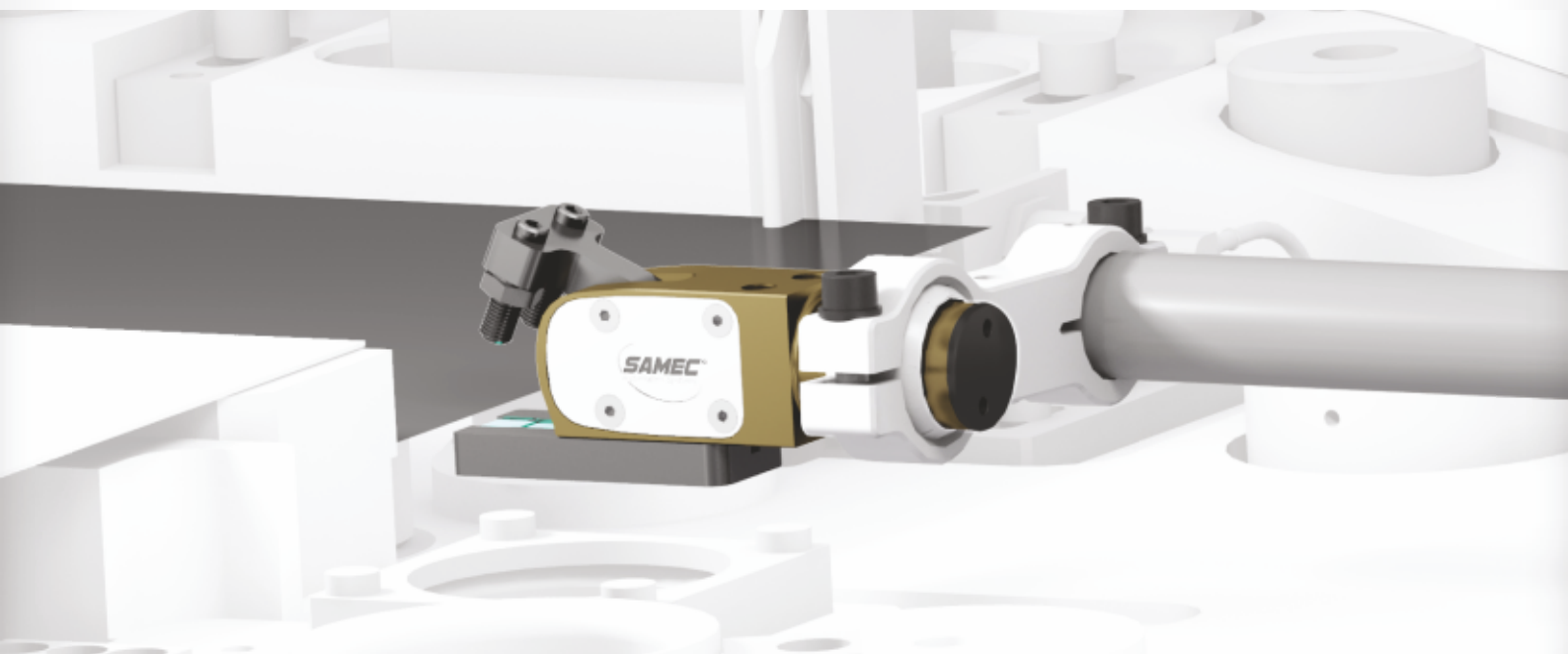
Bestellinformationen / Ordering informations

SA25IC - Kompakt-Klemmgreifer / Pneumatic Miniclamp

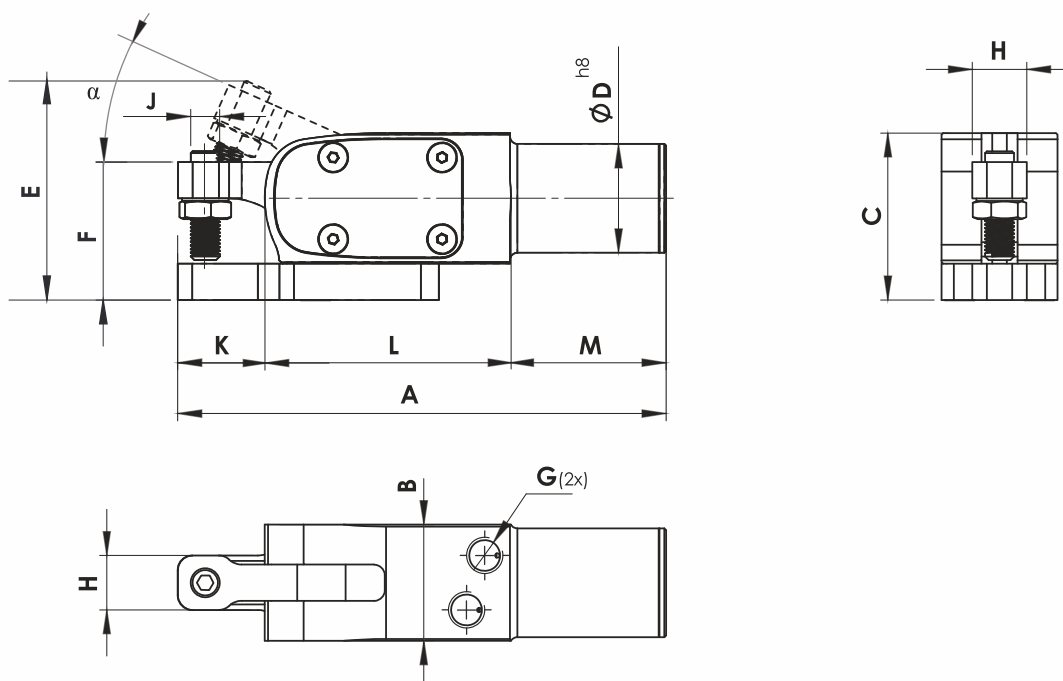
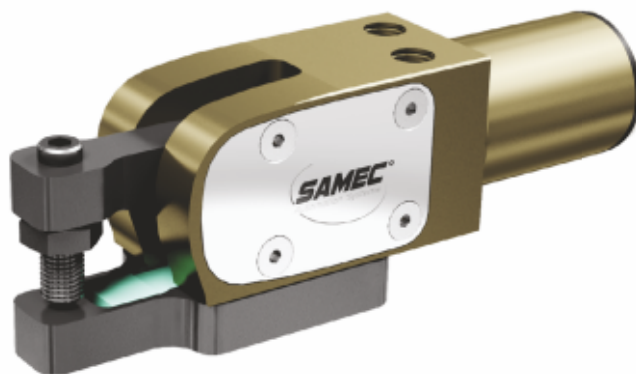
Bestellbeispiel / Ordering example

SA	25	IC	32	24	1
SAMEC's Klemmgreifer	Durchmesser	Greiferart	Breite beweglicher Finger	maximale Blechtiefe	mit Teileerkennungssensor
SAMEC's pneumatic clamp	bore	clamp's type	mobile finger's width	maximum depth for sheet metal gripping	with part presence detect sensor

Anwendungsbeispiel / Application example

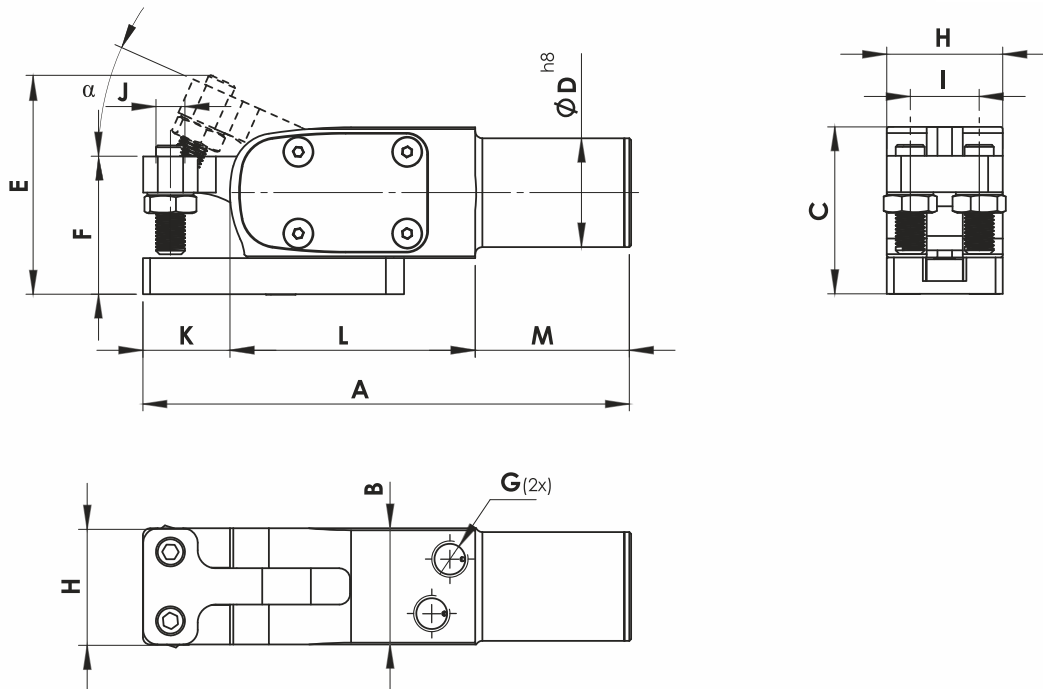
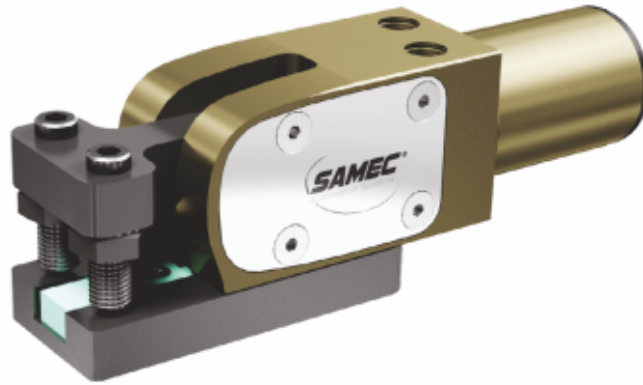




**Material:** Ergal 7075 & Stahl**Behandlung:** Hartanodisieren und Brünierung**Schrauben:** enthalten**Material:** Ergal 7075 & Steel**Treatment:** Hard anodizing & Burnishing**Bolts:** Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25IC1524	134,5	32	46	30	60	38	1/8 G	15	...	M8	24	67,5	43	...
SA25IC1539	149,5	32	46	30	66	38	1/8 G	15	...	M8	39	67,5	43	...

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25IC1524	25	160 daN	24°	14,5 cm ³	0,48
SA25IC1539	25	120 daN	24°	14,5 cm ³	0,51

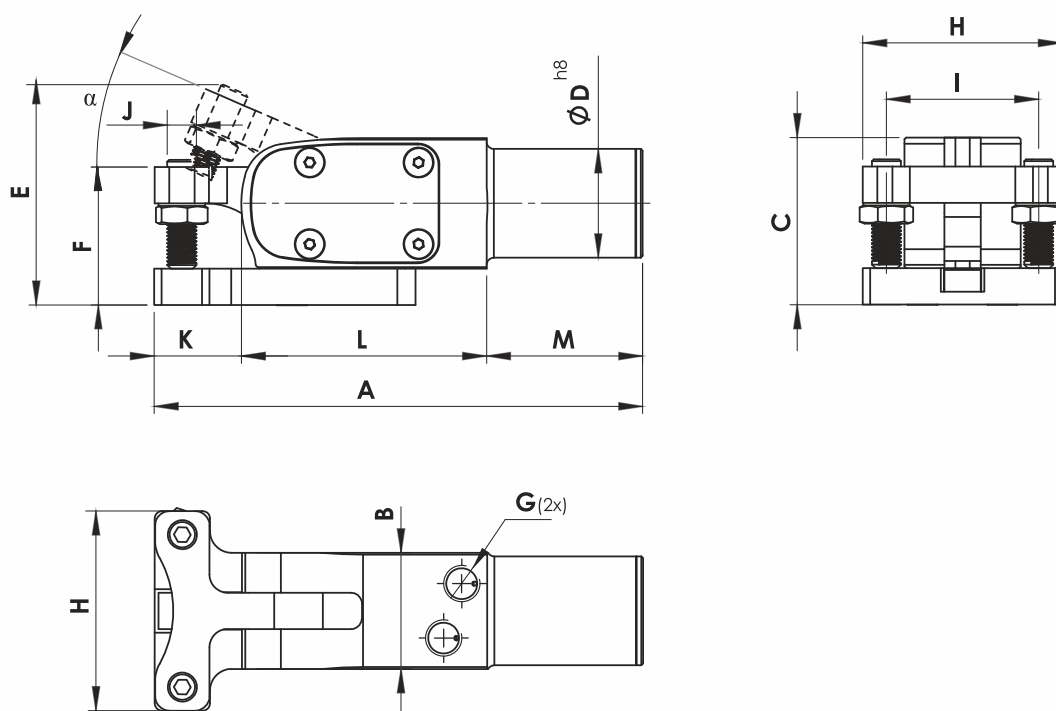


Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25IC3224	134,5	32	46	30	60	38	1/8 G	32	19	M8	24	67,5	43	...
SA25IC3239	149,5	32	46	30	66	38	1/8 G	32	19	M8	39	67,5	43	...

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25IC3224	25	160 daN	24°	14,5 cm³	0,54
SA25IC3239	25	120 daN	24°	14,5 cm³	0,59

**Material:** Ergal 7075 & Stahl**Behandlung:** Hartanodisieren und Brünierung**Schrauben:** enthalten**Material:** Ergal 7075 & Steel**Treatment:** Hard anodizing & Burnishing**Bolts:** Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25IC5524	134,5	32	46	30	60	38	1/8 G	55	42	M8	24	67,5	43	...
SA25IC5539	149,5	32	46	30	66	38	1/8 G	55	42	M8	39	67,5	43	...

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (kg)
SA25IC5524	25	160 daN	24°	14,5 cm ³	0,59
SA25IC5539	25	120 daN	24°	14,5 cm ³	0,64

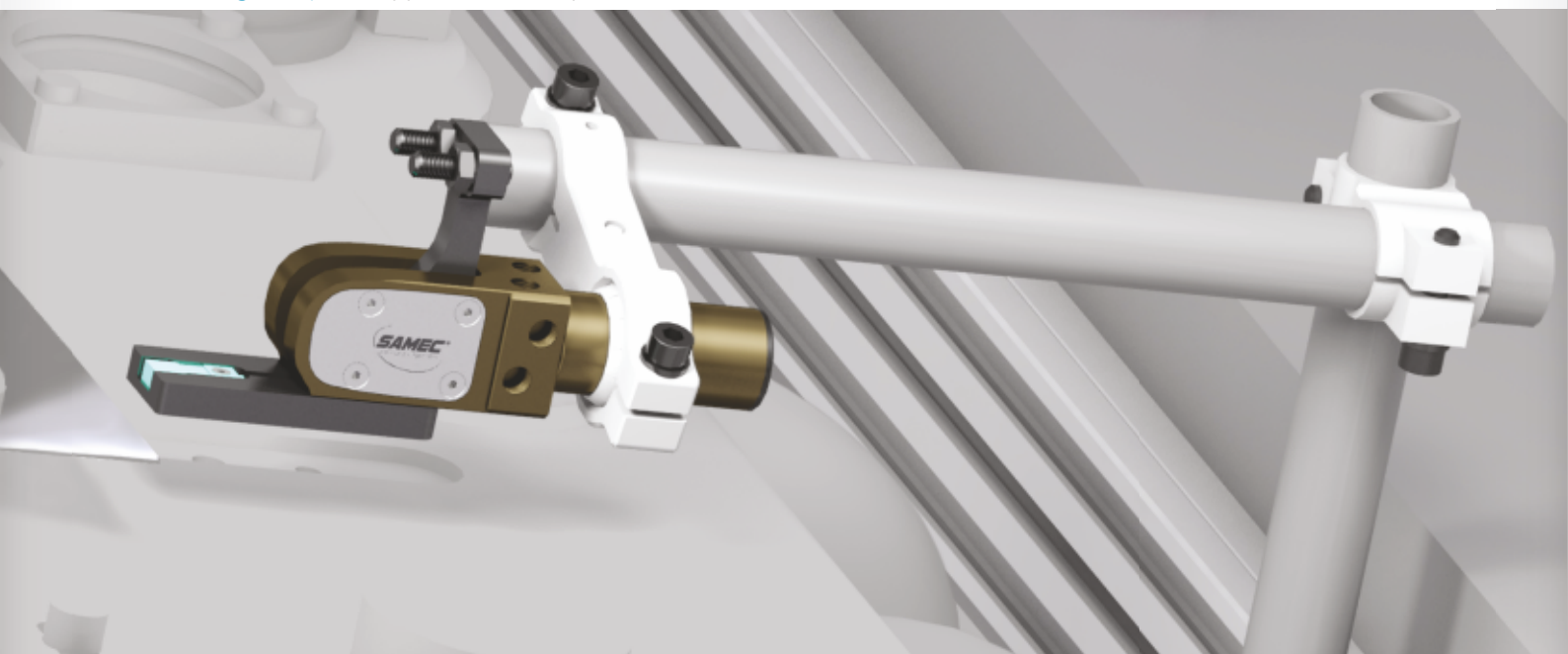
Bestellinformationen / Ordering informations

SA25IL - Klemmgreifer / Pneumatic Clamp

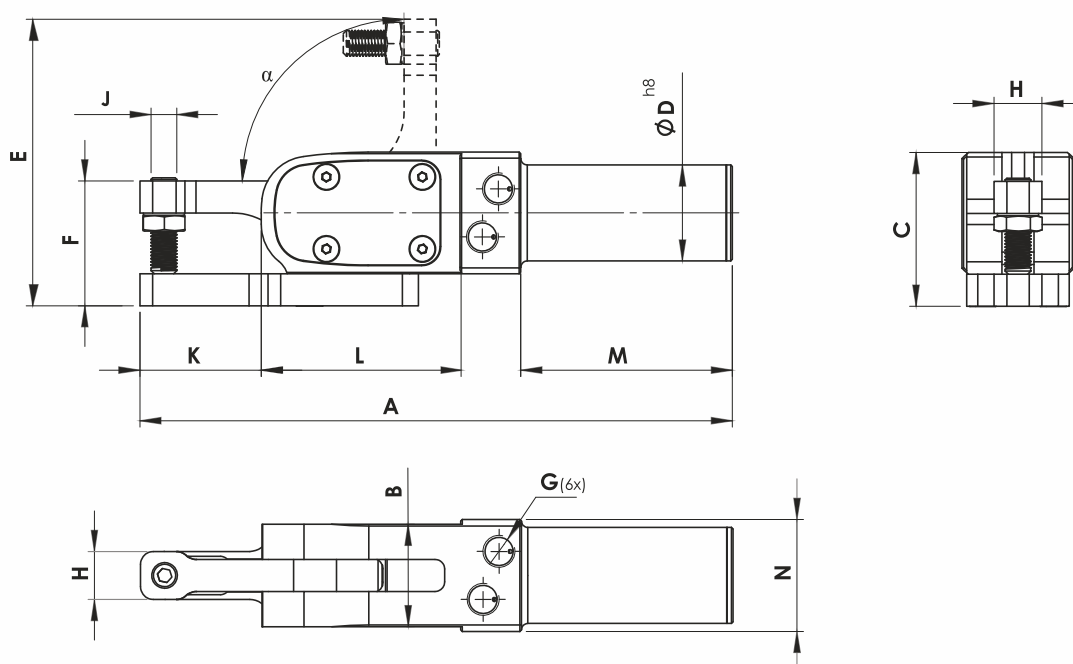
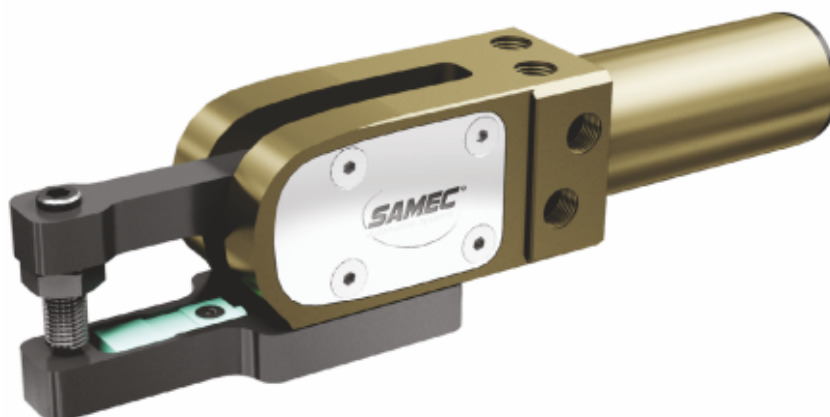
Bestellbeispiel / Ordering example

SA	25	IL	32	39	1
SAMEC's Klemmgreifer	Durchmesser	Greiferart	Breite beweglicher Finger	maximale Blechtiefe	mit Teileerkennungssensor
SAMEC's pneumatic clamp	bore	clamp's type	mobile finger's width	maximum depth for sheet metal gripping	with part presence detect sensor

Anwendungsbeispiel / Application example





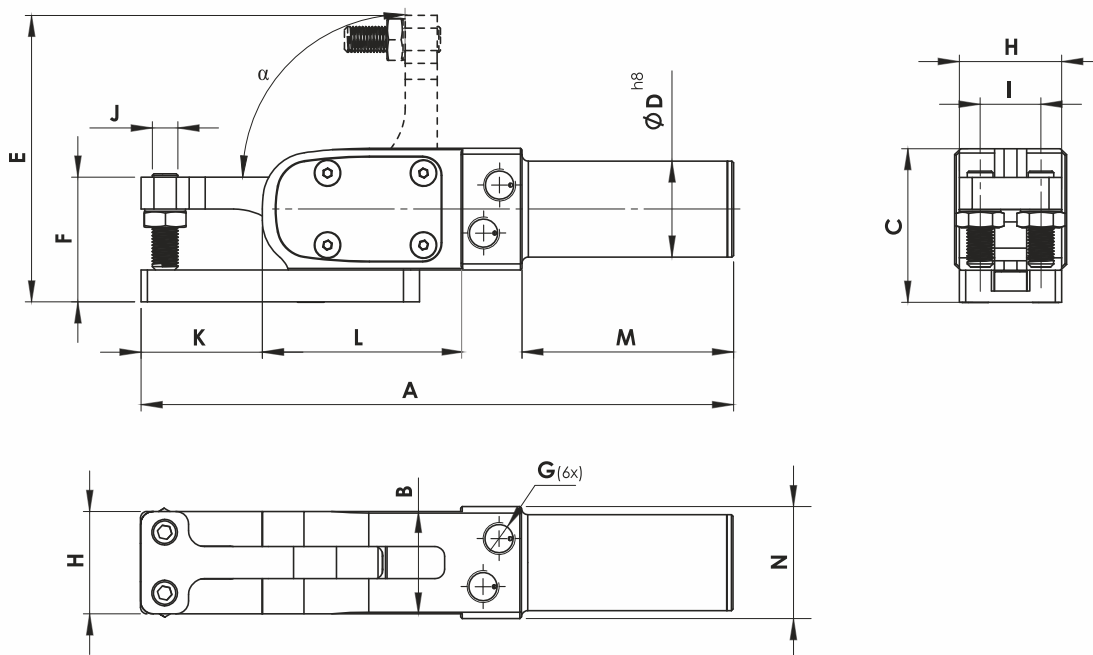


Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25IL1524	170	32	48	30	74,5	39	1/8 G	15	...	M8	24	62	66	35
SA25IL1539	185	32	48	30	89,5	39	1/8 G	15	...	M8	39	62	66	35

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25IL1524	25	160 daN	90° / 45°	27 cm³	0,52
SA25IL1539	25	120 daN	90° / 45°	27 cm³	0,55

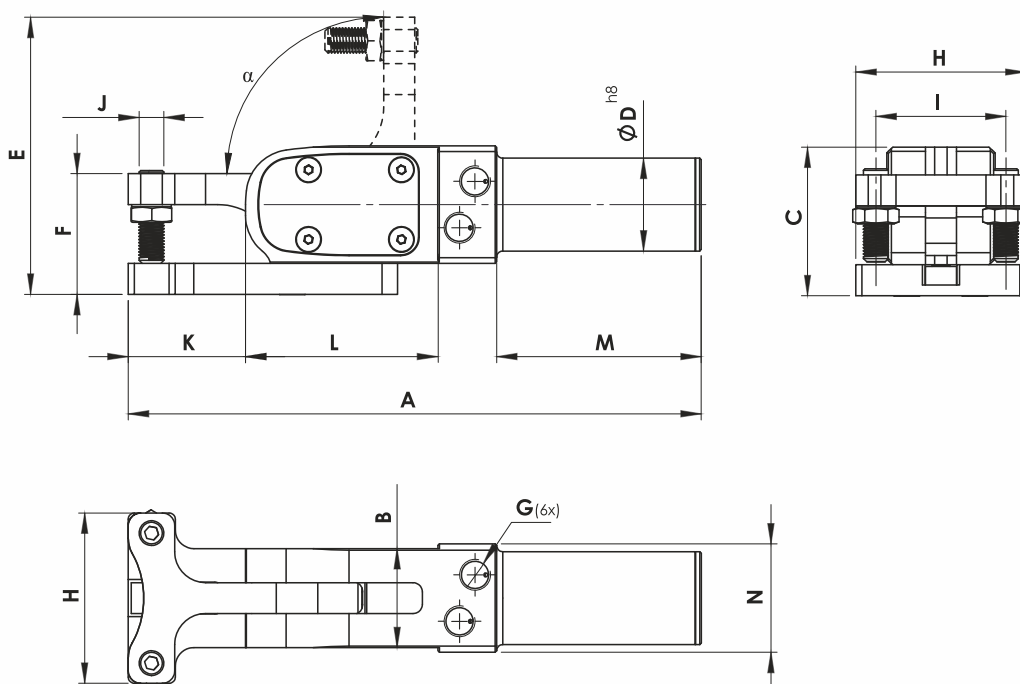


Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25IL3224	170	32	48	30	74,5	39	1/8 G	32	19	M8	24	62	66	35
SA25IL3239	185	32	48	30	89,5	39	1/8 G	32	19	M8	39	62	66	35

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25IL3224	25	160 daN	90° / 45°	27 cm³	0,58
SA25IL3239	25	120 daN	90° / 45°	27 cm³	0,62



Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

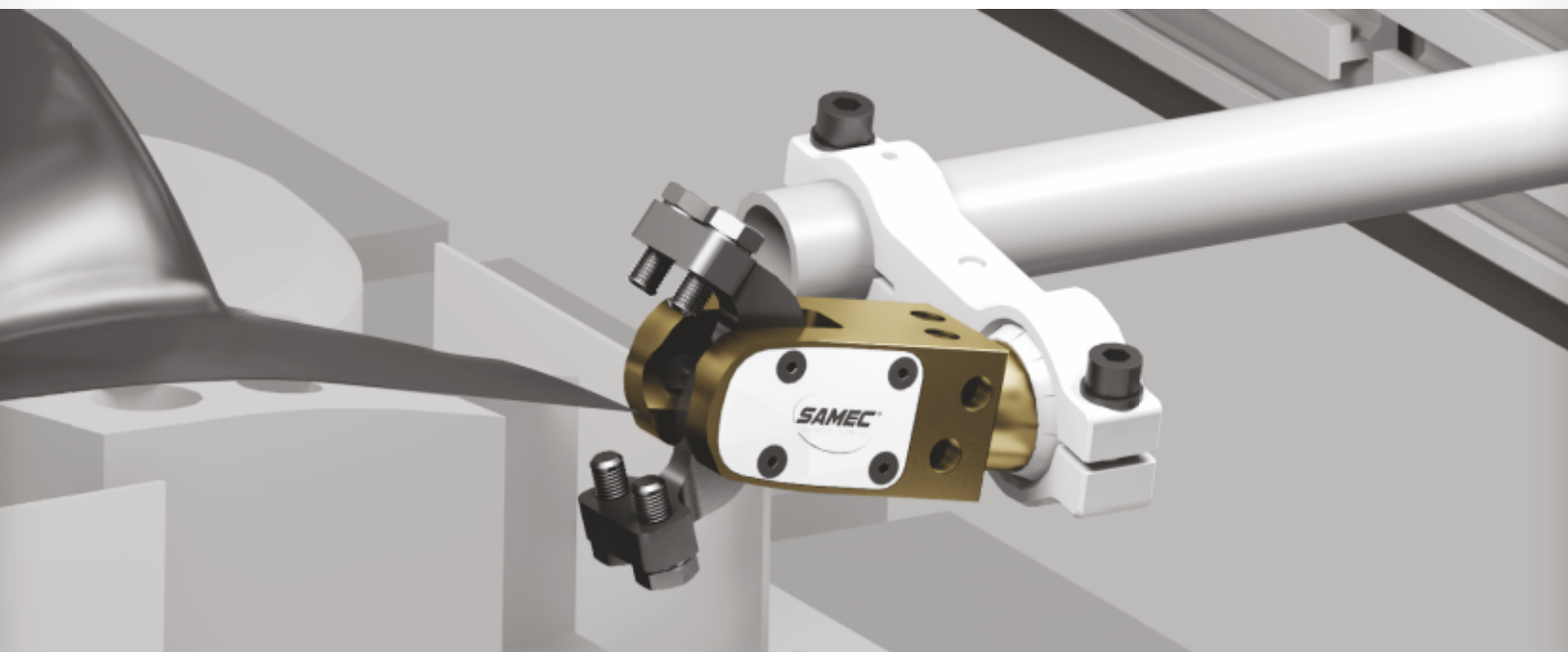
CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25IL5524	170	32	48	30	74,5	39	1/8 G	55	42	M8	24	62	66	35
SA25IL5539	185	32	48	30	89,5	39	1/8 G	55	42	M8	39	62	66	35

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25IL5524	25	160 daN	90° / 45°	27 cm³	0,62
SA25IL5539	25	120 daN	90° / 45°	27 cm³	0,67

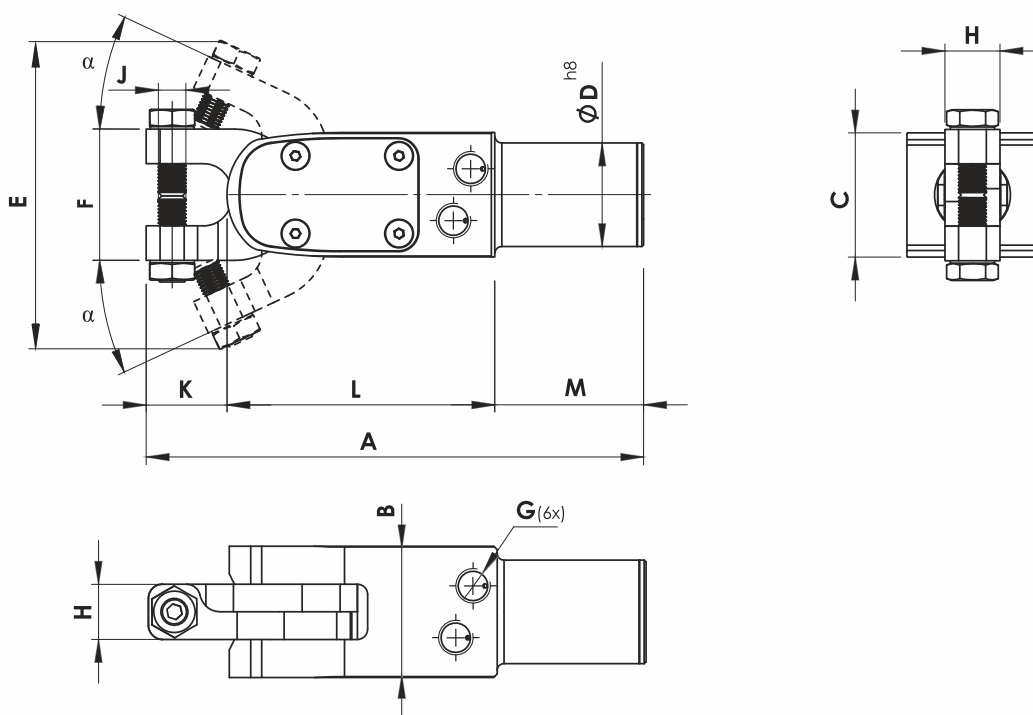
Bestellbeispiel / Ordering example

SA	25	CC	32	40
SAMEC's Klemmgreifer	Durchmesser	Greiferart	Breite beweglicher Finger	maximale Blechtiefe
SAMEC's pneumatic clamp	bore	clamp's type	mobile finger's width	maximum depth for sheet metal gripping

Anwendungsbeispiel / Application example





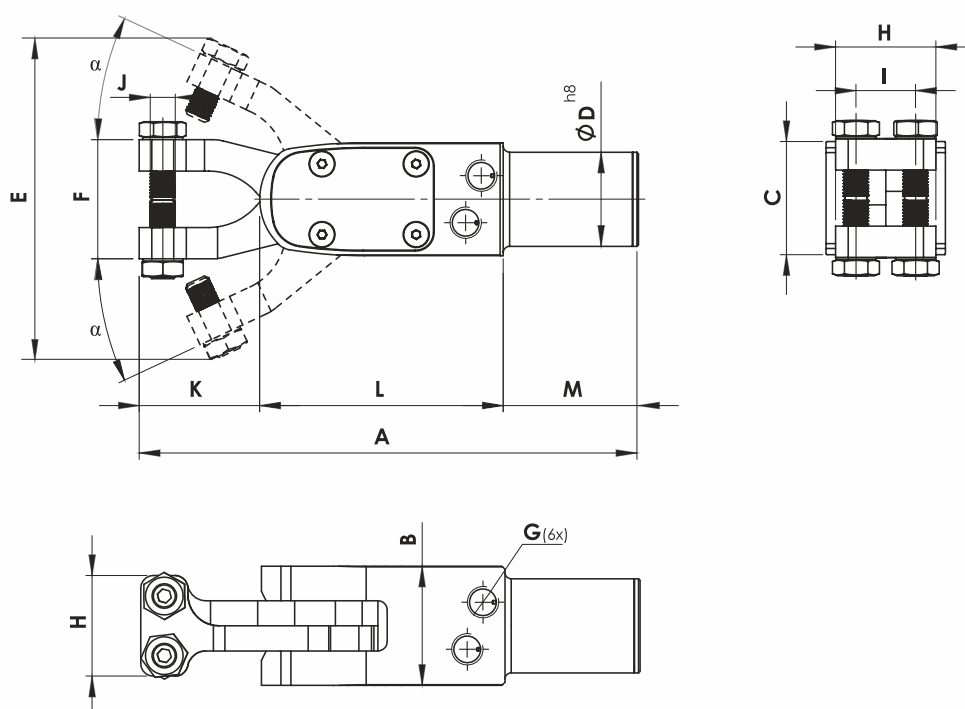


Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

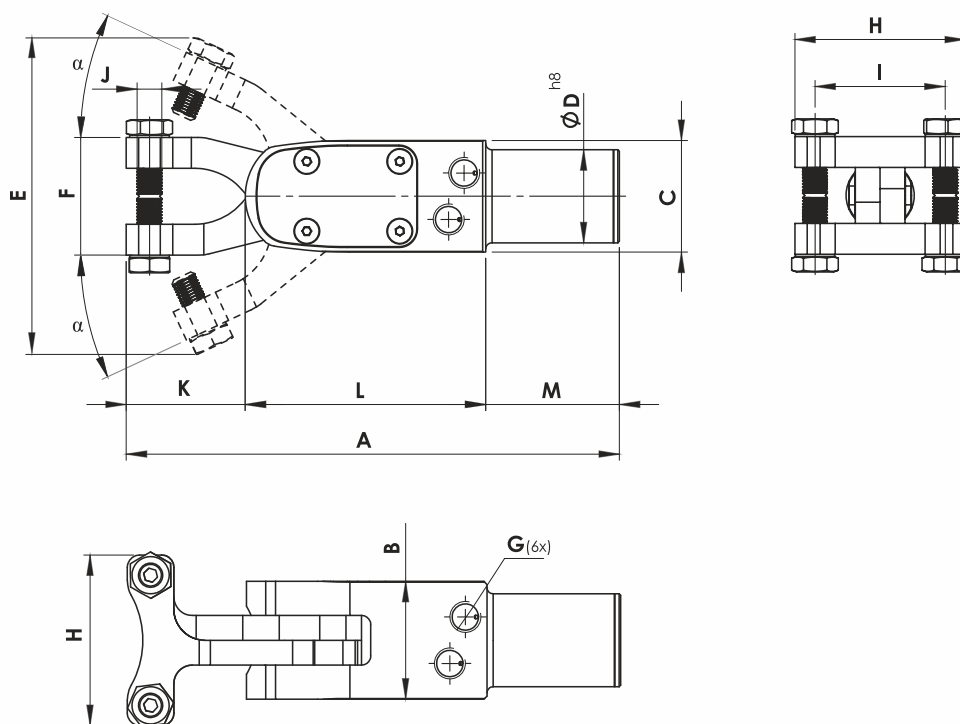
CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25CC1625	146	38	36	30	90	38	1/8 G	16	...	M8	25	78	43	...
SA25CC1640	161	38	36	30	103,5	38	1/8 G	16	...	M8	40	78	43	...

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25CC1625	25	160 daN	25°	14,25 cm³	0,44
SA25CC1640	25	120 daN	25°	14,25 cm³	0,45

**Material:** Ergal 7075 & Stahl**Behandlung:** Hartanodisieren und Brünierung**Schrauben:** enthalten**Material:** Ergal 7075 & Steel**Treatment:** Hard anodizing & Burnishing**Bolts:** Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25CC3225	146	38	36	30	90	38	1/8 G	32	19	M8	25	78	43	...
SA25CC3240	161	38	36	30	103,5	38	1/8 G	32	19	M8	40	78	43	...

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25CC3225	25	160 daN	25°	14,25 cm³	0,49
SA25CC3240	25	120 daN	25°	14,25 cm³	0,50



Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25CC5525	146	38	36	30	90	38	1/8 G	55	42	M8	25	78	43	...
SA25CC5540	161	38	36	30	103,5	38	1/8 G	55	42	M8	40	78	43	...

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25CC5525	25	160 daN	25°	14,25 cm³	0,52
SA25CC5540	25	120 daN	25°	14,25 cm³	0,53

Bemerkungen / Notes

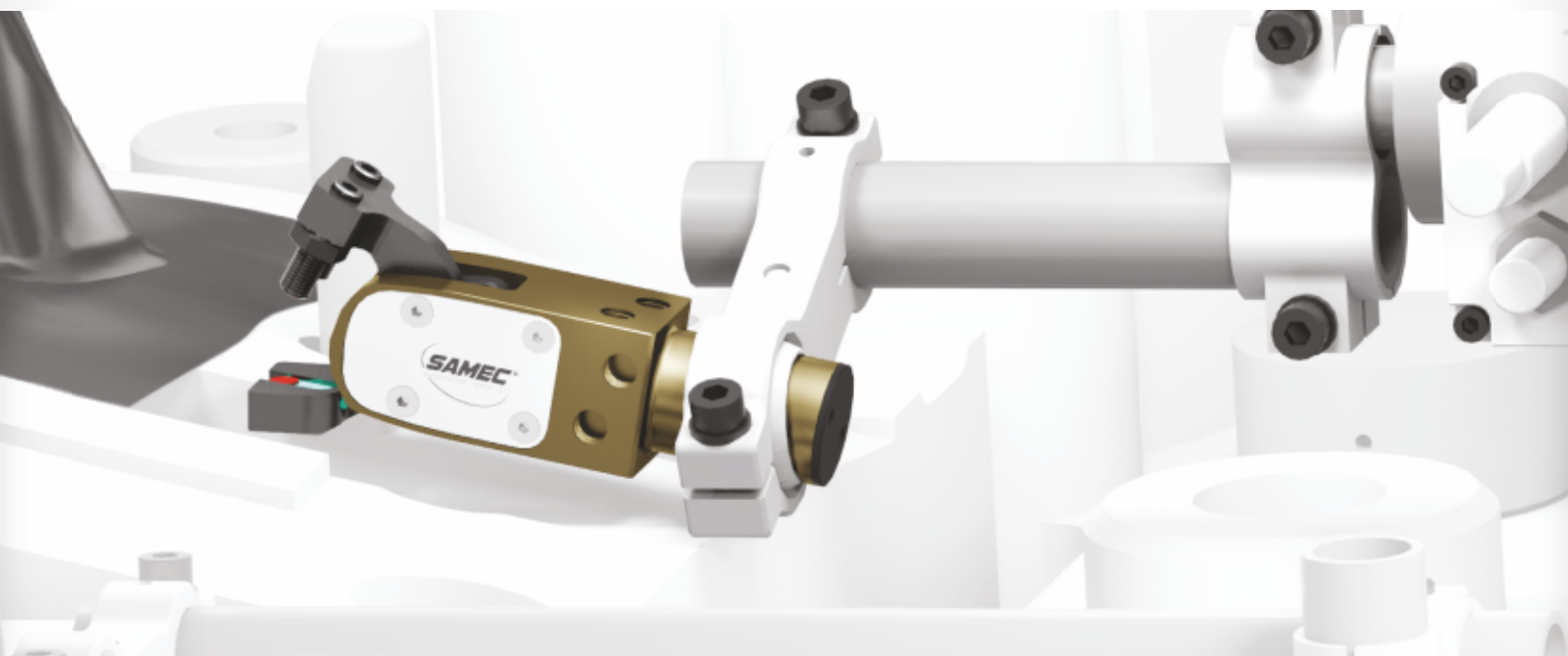
Bestellinformationen / Ordering informations

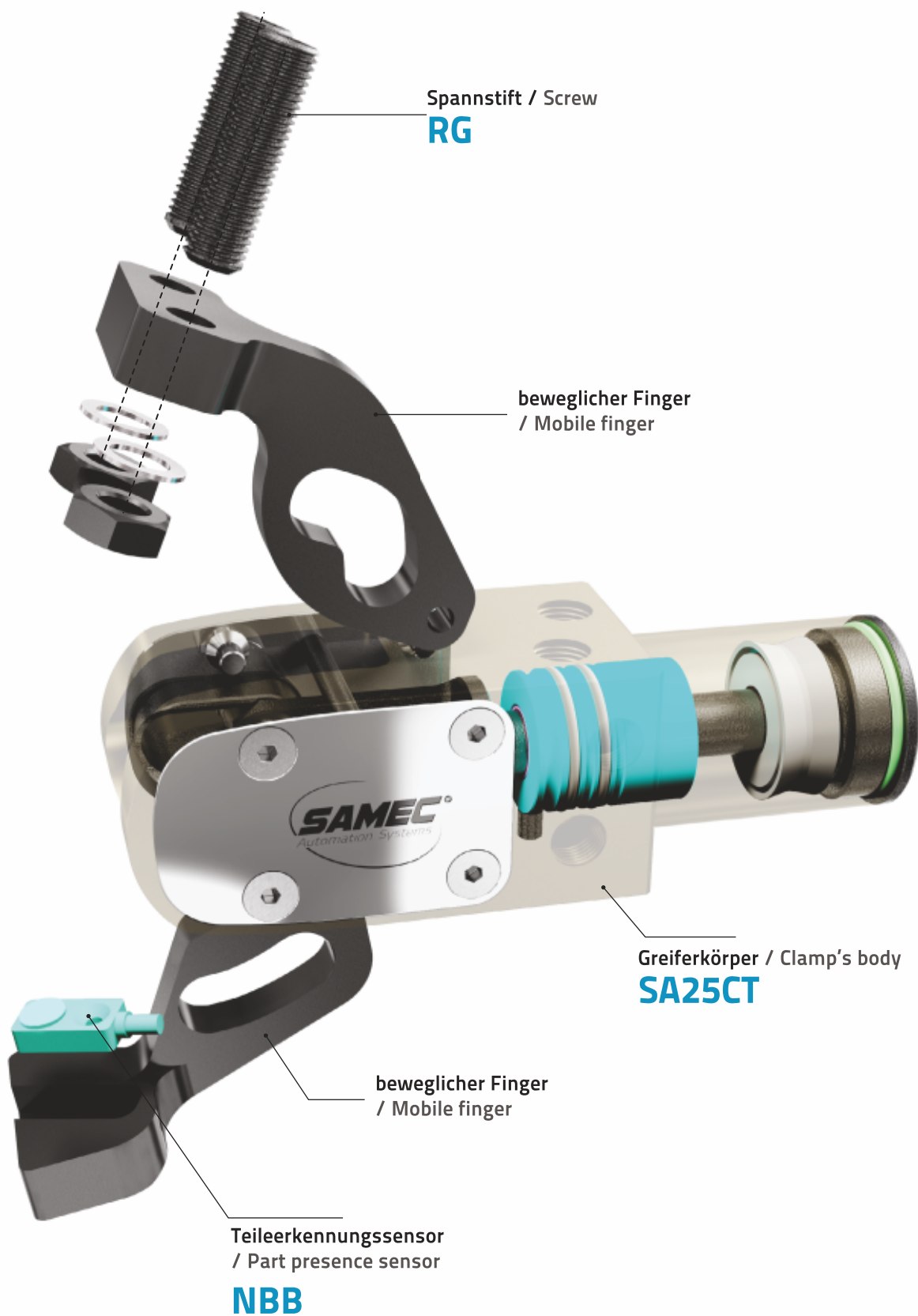
SA25CT - Kompakt-Klemmgreifer / Pneumatic Miniclamp

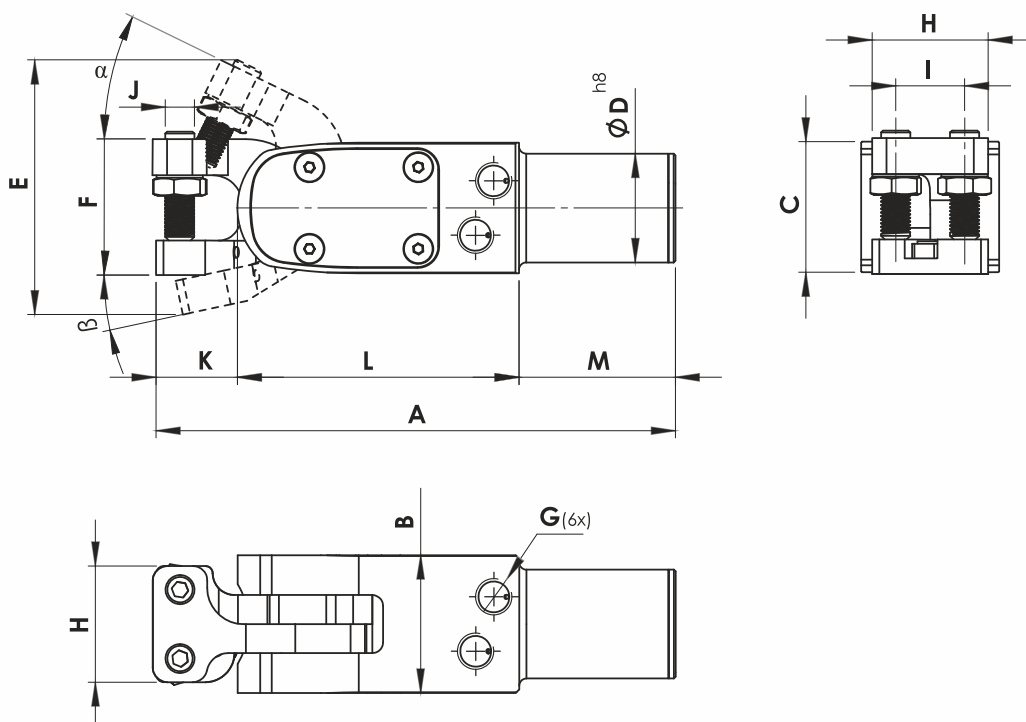
Bestellbeispiel / Ordering example

SA	25	CT	32	25	1
SAMEC's Klemmgreifer	Durchmesser	Greiferart	Breite beweglicher Finger	maximale Blechtiefe	mit Teileerkennungssensor
SAMEC's pneumatic clamp	bore	clamp's type	mobile finger's width	maximum depth for sheet metal gripping	with part presence detect sensor

Anwendungsbeispiel / Application example





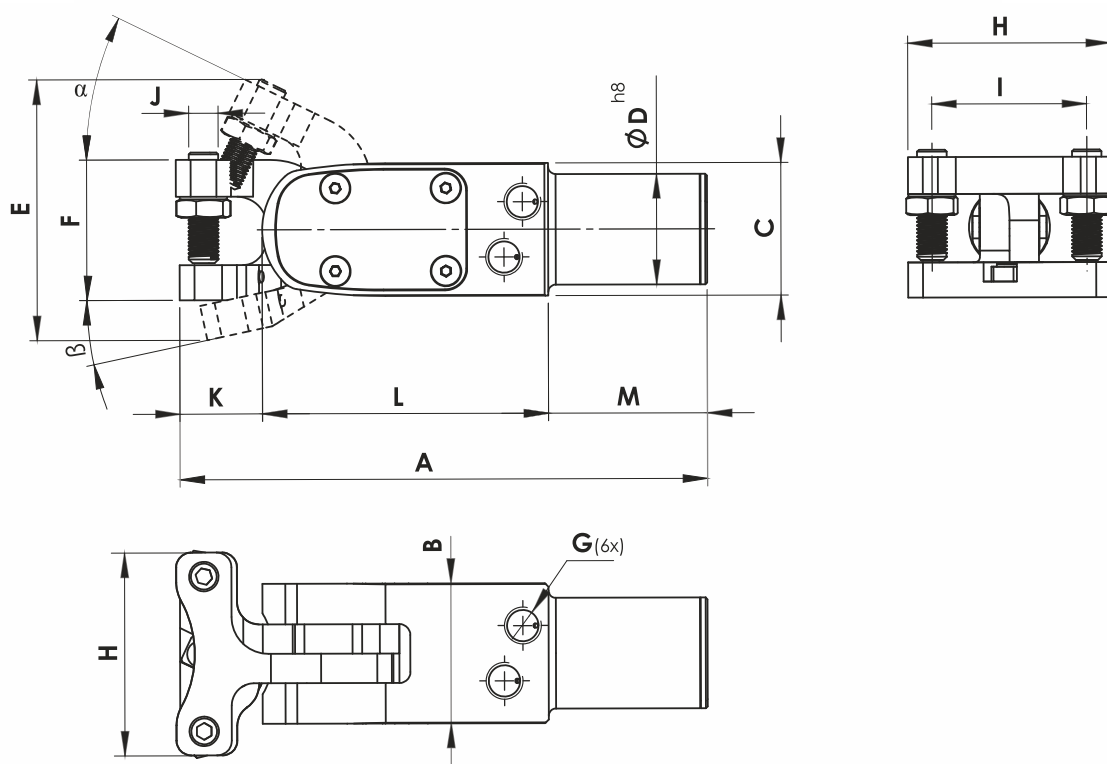


Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25CT3225	146	38	36	30	71	38	1/8 G	32	19	M8	25	78	43	...
SA25CT3240	161	38	36	30	79,5	38	1/8 G	32	19	M8	40	78	43	...

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö f Ö / Opening angle Ö f Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25CT3225	25	160 daN	25° + 11°	14,25 cm ³	0,41
SA25CT3240	25	120 daN	25° + 11°	14,25 cm ³	0,48

**Material:** Ergal 7075 & Stahl**Behandlung:** Hartanodisieren und Brünierung**Schrauben:** enthalten**Material:** Ergal 7075 & Steel**Treatment:** Hard anodizing & Burnishing**Bolts:** Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25CT5525	146	38	36	30	71	38	1/8 G	55	42	M8	25	78	43	...
SA25CT5540	161	38	36	30	79,5	38	1/8 G	55	42	M8	40	78	43	...

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö f Ö / Opening angle Ö f Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25CT5525	25	160 daN	25° + 11°	14,25 cm³	0,54
SA25CT5540	25	120 daN	25° + 11°	14,25 cm³	0,52

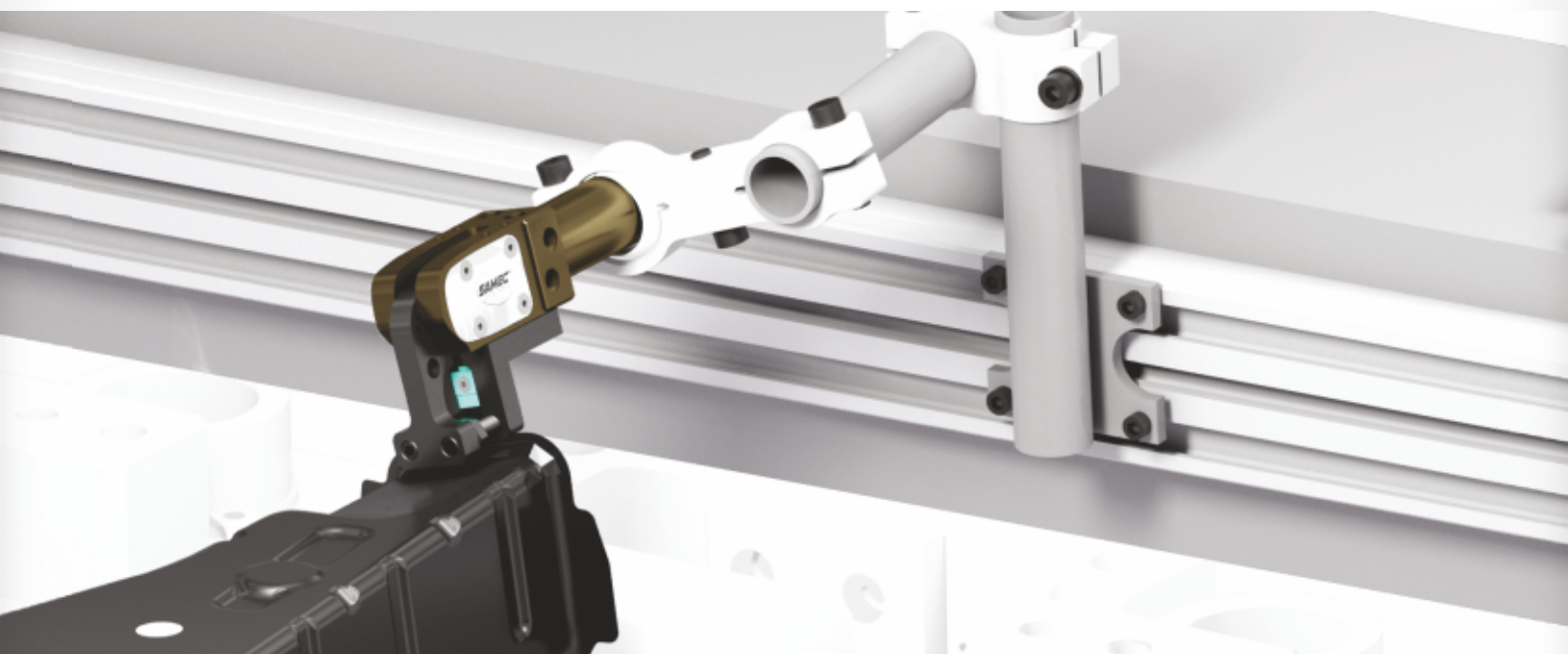
Bestellinformationen / Ordering informations

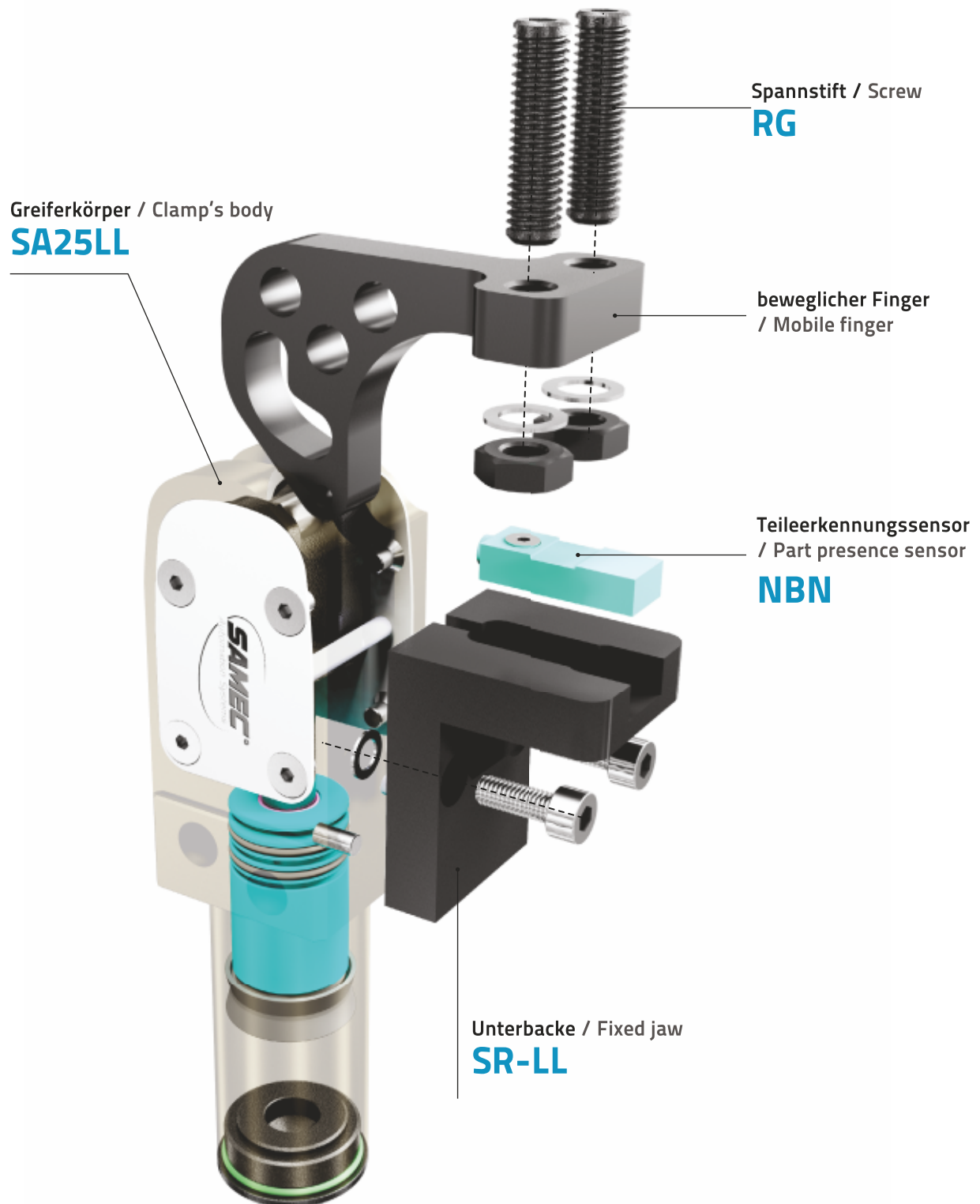
SA25LL - Klemmgreifer / Pneumatic Clamp

Bestellbeispiel / Ordering example

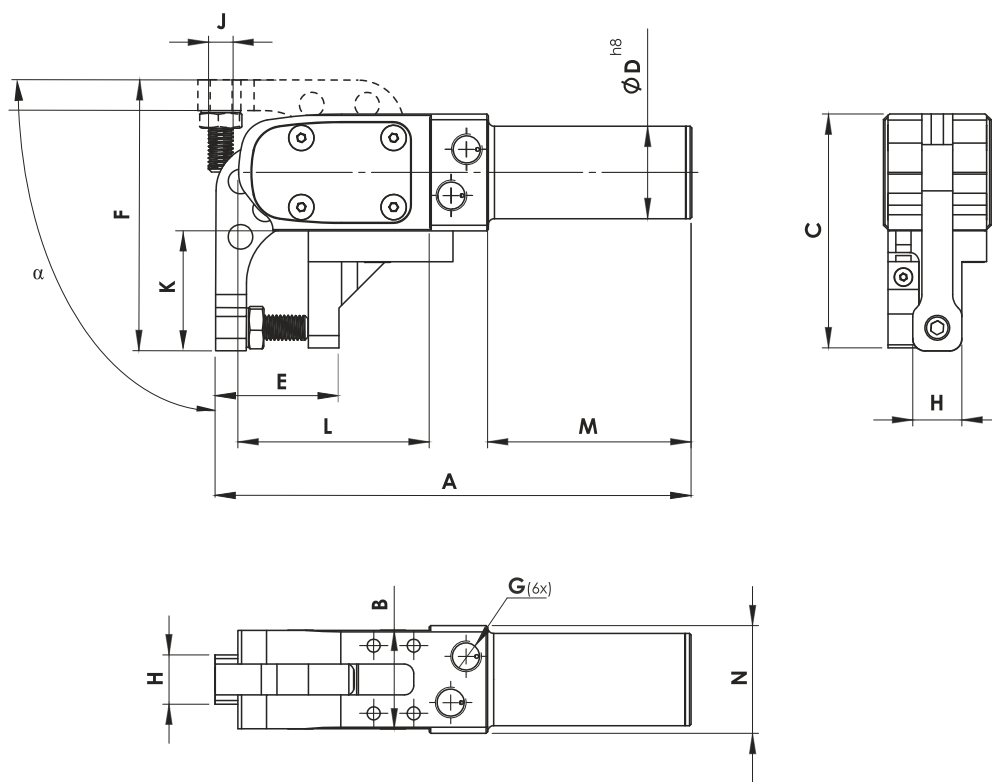
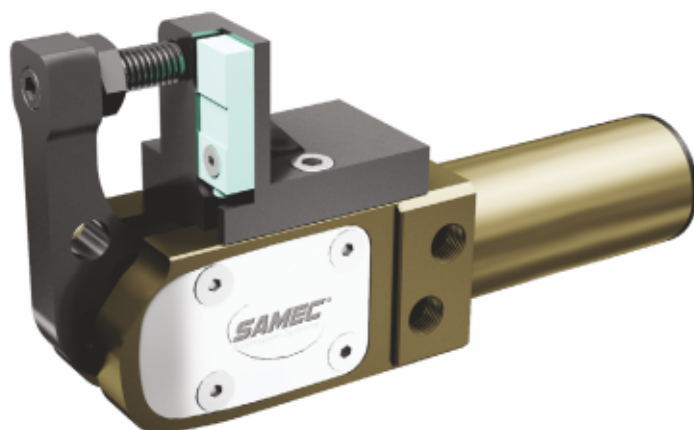
SA	25	LL	32	38	1
SAMEC's Klemmgreifer	Durchmesser	Greiferart	Breite beweglicher Finger	maximale Blechtiefe	mit Teileerkennungssensor
SAMEC's pneumatic clamp	bore	clamp's type	mobile finger's width	maximum depth for sheet metal gripping	with part presence detect sensor

Anwendungsbeispiel / Application example





Klemmgreifer / Pneumatic Clamp
SA25LL1638

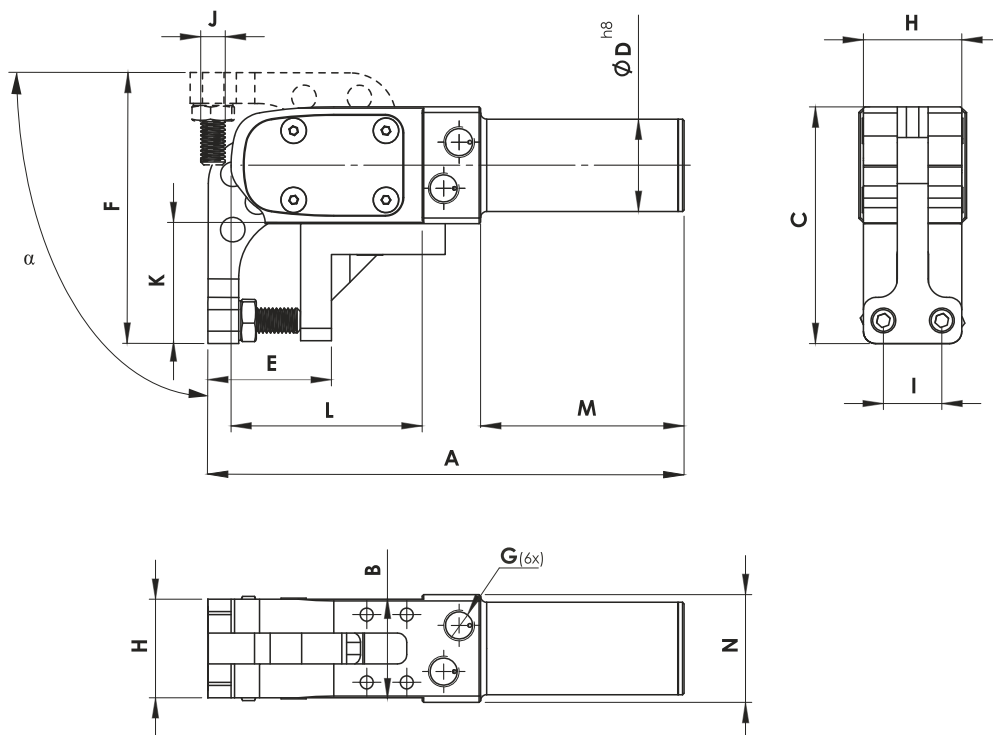
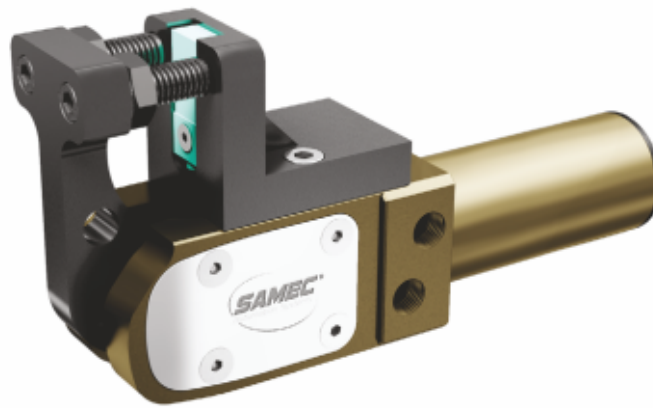


Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25LL1638	154,5	32	76	30	40	88	1/8 G	16	...	M8	38	62	66	35

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25LL1638	25	198 daN	90°	27 cm ³	0,61



Material: Ergal 7075 & Stahl

Behandlung: Hartanodisieren und Brünierung

Schrauben: enthalten

Material: Ergal 7075 & Steel

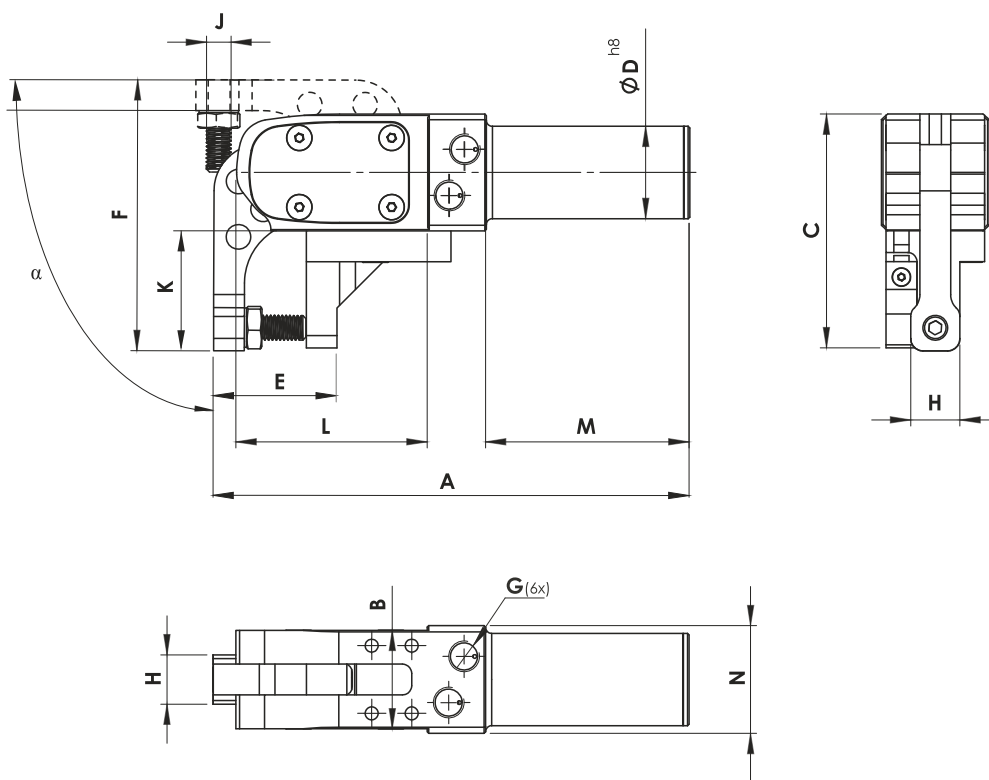
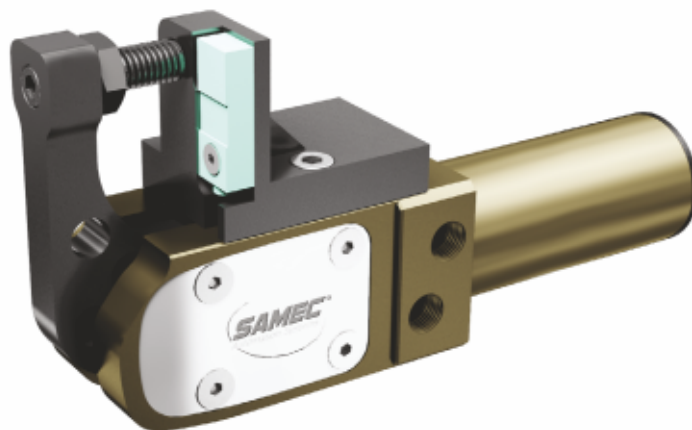
Treatment: Hard anodizing & Burnishing

Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25LL3238	154,5	32	76	30	40	88	1/8 G	32	19	M8	38	62	66	35

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25LL3238	25	198 daN	90°	27 cm³	0,67

Klemmgreifer / Pneumatic Clamp
SA25LL1638

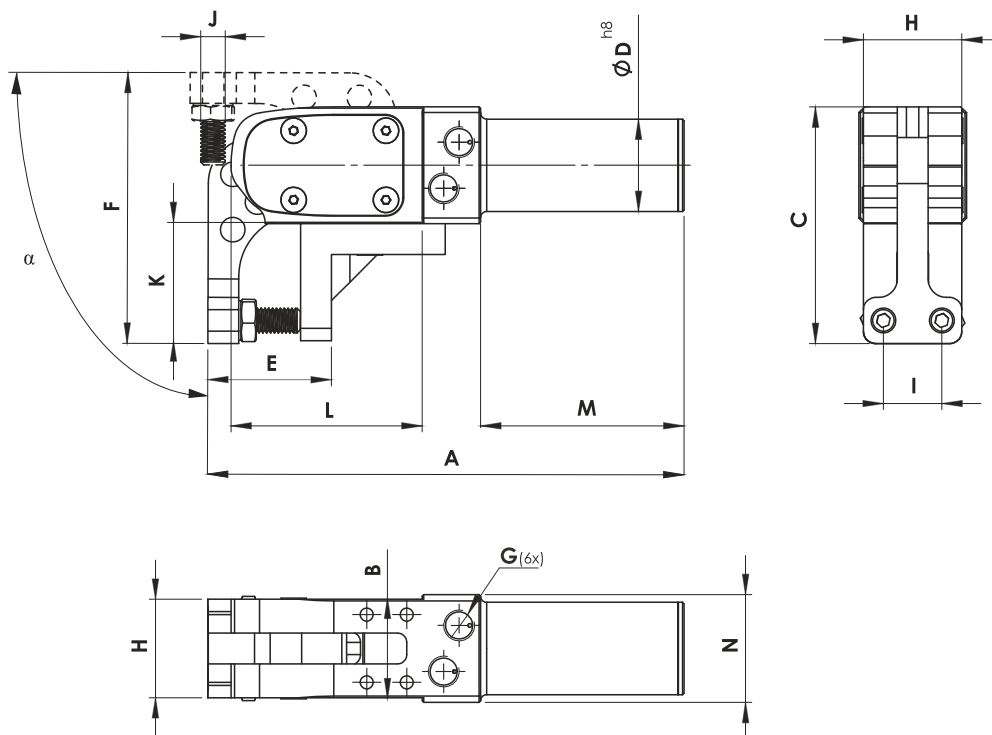
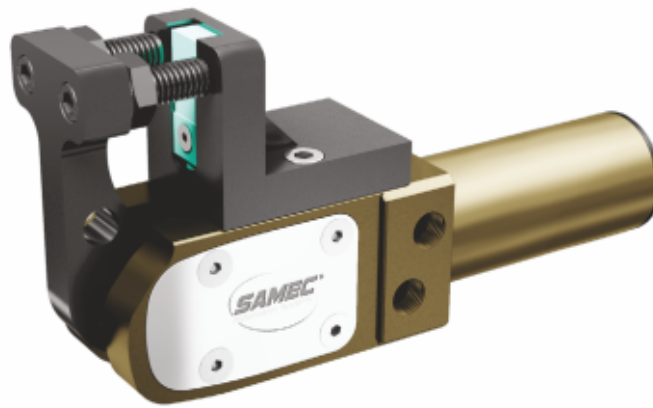


Material: Ergal 7075 & Stahl
Behandlung: Hartanodisieren und Brünierung
Schrauben: enthalten

Material: Ergal 7075 & Steel
Treatment: Hard anodizing & Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25LL1638	154,5	32	76	30	40	88	1/8 G	16	...	M8	38	62	66	35

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25LL1638	25	198 daN	90°	27 cm ³	0,61



Material: Ergal 7075 & Stahl

Behandlung: Hartanodisieren und Brünierung

Schrauben: enthalten

Material: Ergal 7075 & Steel

Treatment: Hard anodizing & Burnishing

Bolts: Included

CODE	A	B	C	ØD	E	F	G	H	I	J	K	L	M	N
SA25LL3238	154,5	32	76	30	40	88	1/8 G	32	19	M8	38	62	66	35

Spannerart / Type	Durchmesser / Bore	Klemmkraft (6 bar) / Clamping force	Ö Ö Ö / Opening angle Ö	Luftverbrauch pro Doppelhub / Air consumption per cycle	Gewicht / Weight (Kg)
SA25LL3238	25	198 daN	90°	27 cm³	0,67

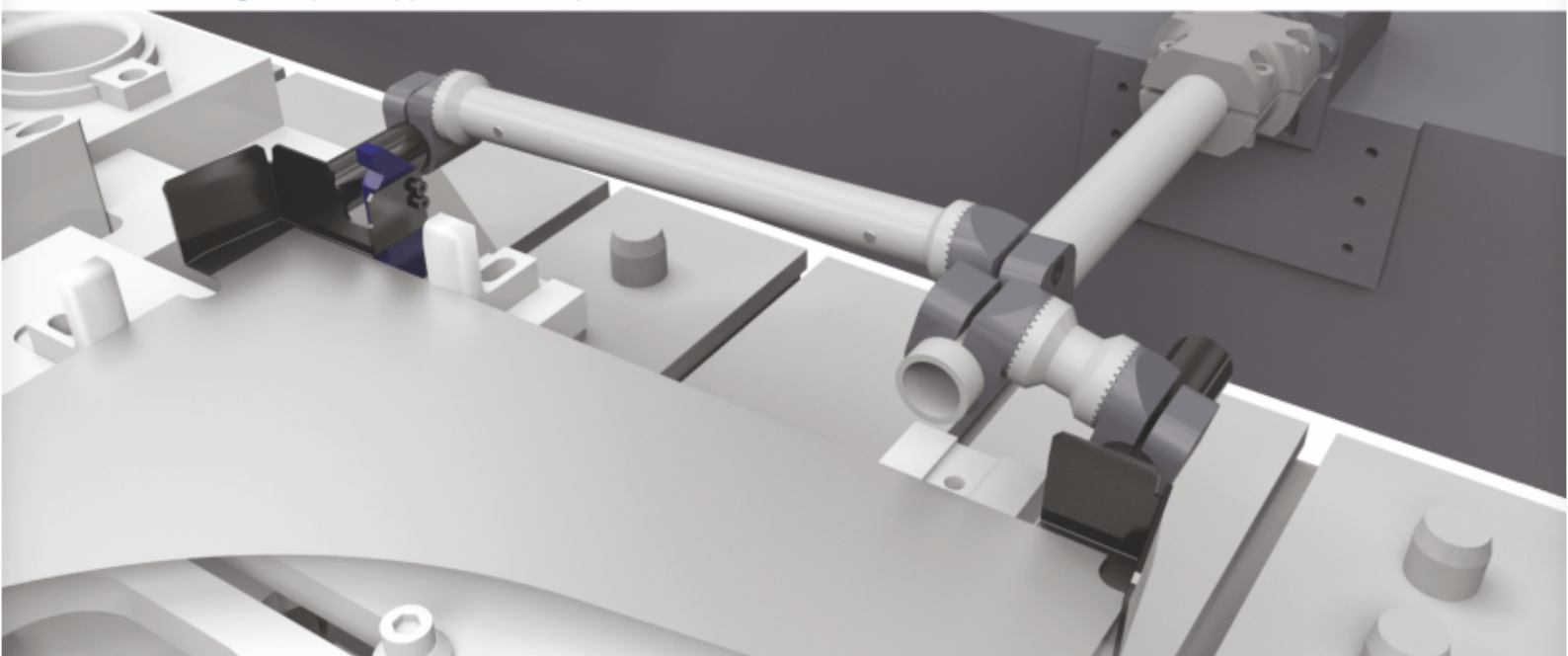
Bestellinformationen / Ordering informations

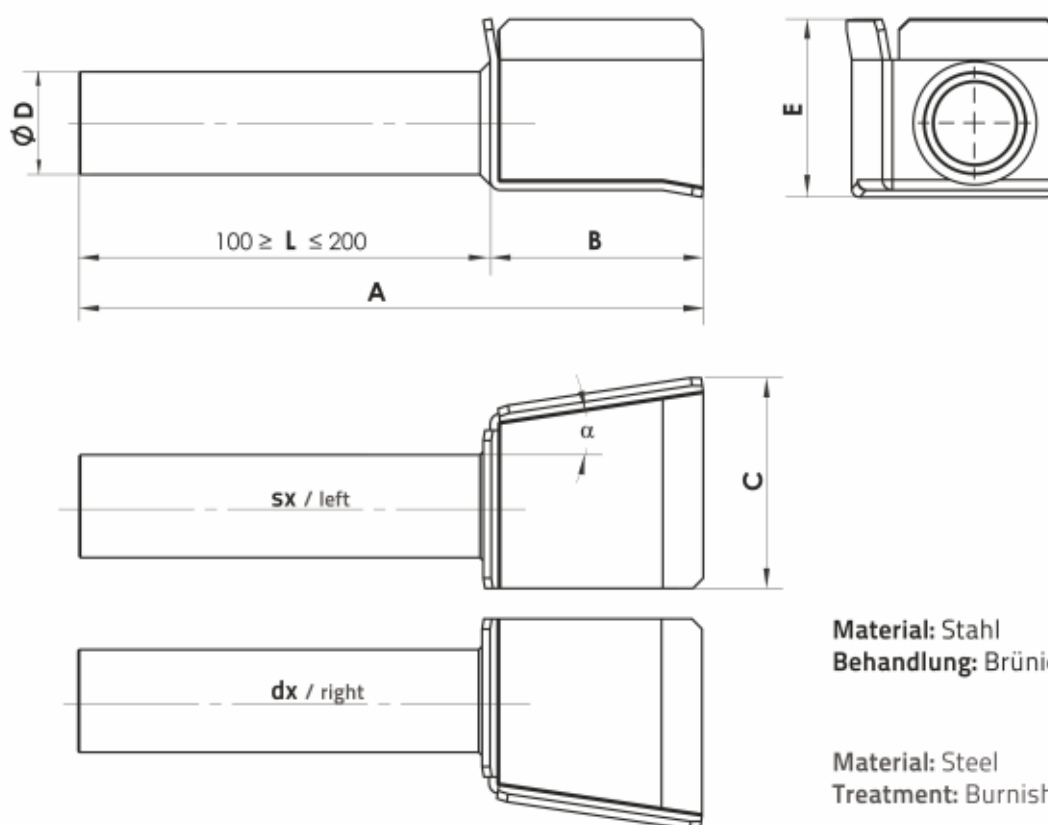
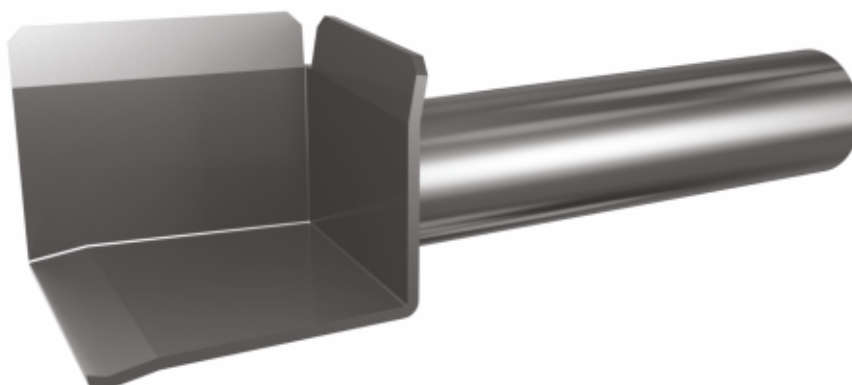
PAL - Schaufeln / Shovels

Bestellbeispiel / Ordering example

PAL	25	100	1	L		
Schaufel	Rohrdurchmesser	Rohrlänge	mit Teileerkennungssensor	Schaufel links	— R —	Schaufel rechts
shovel	Ø of the tube	tube's length	with part presence detect sensor	left shovel	— R —	right shovel

Anwendungsbeispiel / Application example

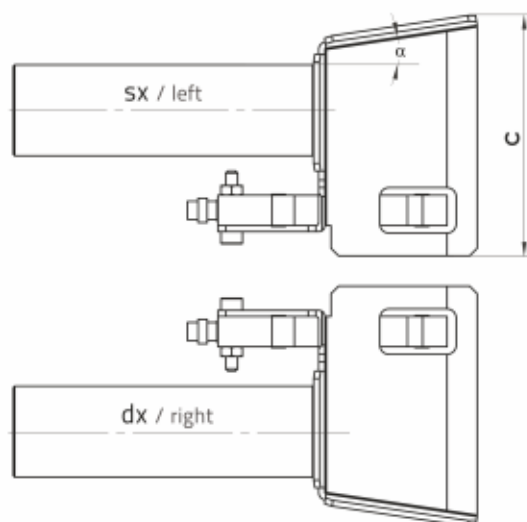
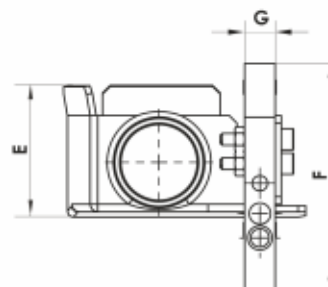
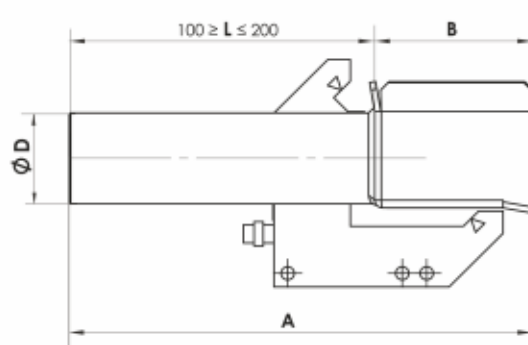
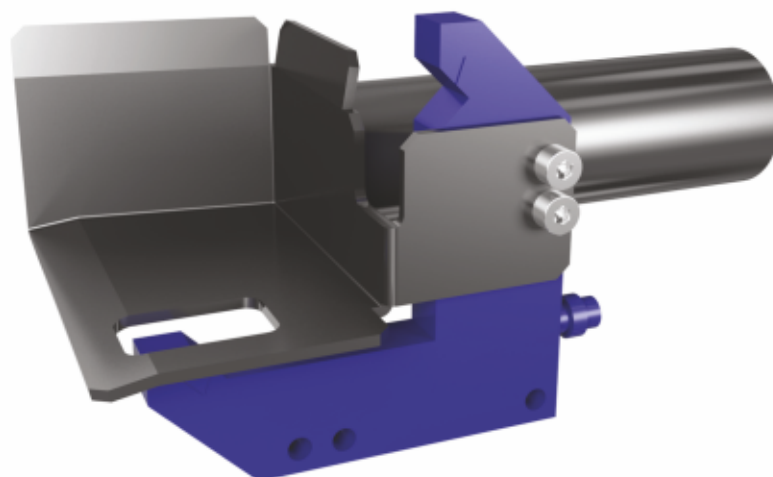




Material: Stahl
Behandlung: Brünierung

Material: Steel
Treatment: Burnishing

CODE	A	B	C	Ø D	E	F	G	L	□	Gewicht / Weight (Kg)	Bemerkungen / Note
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Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included

CODE	A	B	C	Ø D	E	F	G	L	□	Gewicht / Weight (Kg)	Bemerkungen / Note
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mechanisches Zubehör für Klemmgreifer

Mechanical Accessories



SR-ICL1524/1539 - Unterbacke / Fixed Jaw

pag. 102



SR-ICL3224/3239 - Unterbacke / Fixed Jaw

pag. 103



SR-ICL5524/5539 - Unterbacke / Fixed Jaw

pag. 104



SR-LL1638 - Unterbacke / Fixed Jaw

pag. 105



SR-LL3238 - Unterbacke / Fixed Jaw

pag. 106



RG - Spannstift mit geriffelter Gelenkkugel
Swinging Toothed Ball Screw

pag. 107



RP - beweglicher Spannstift
Swinging Screw

pag. 108



RN - Spannstift mit Gummidruckstück
Rubber Ended Screw

pag. 108

Unterbacke / Fixed Jaw

SR-ICL

Bestellbeispiel
Ordering example

SR

Unterbackenart

fixed jaw type

ICL

Spannerart

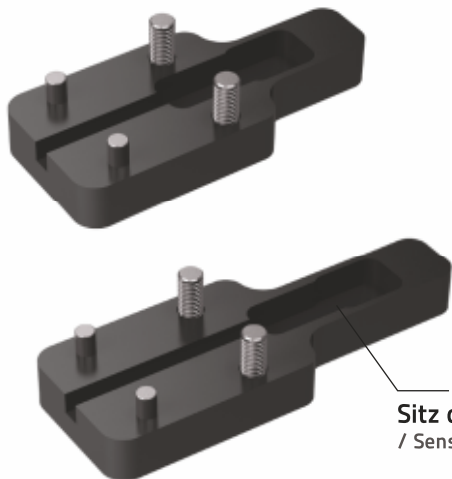
clamp type

15

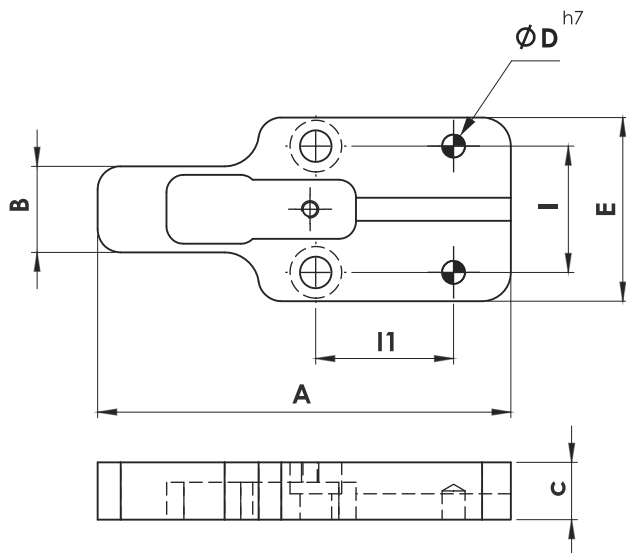
feste
Backenbreite
fixed jaw's width

24

maximale
Blechteufe
max. depth of the sheet
metal handling



Sitz des Sensors
/ Sensor's seat

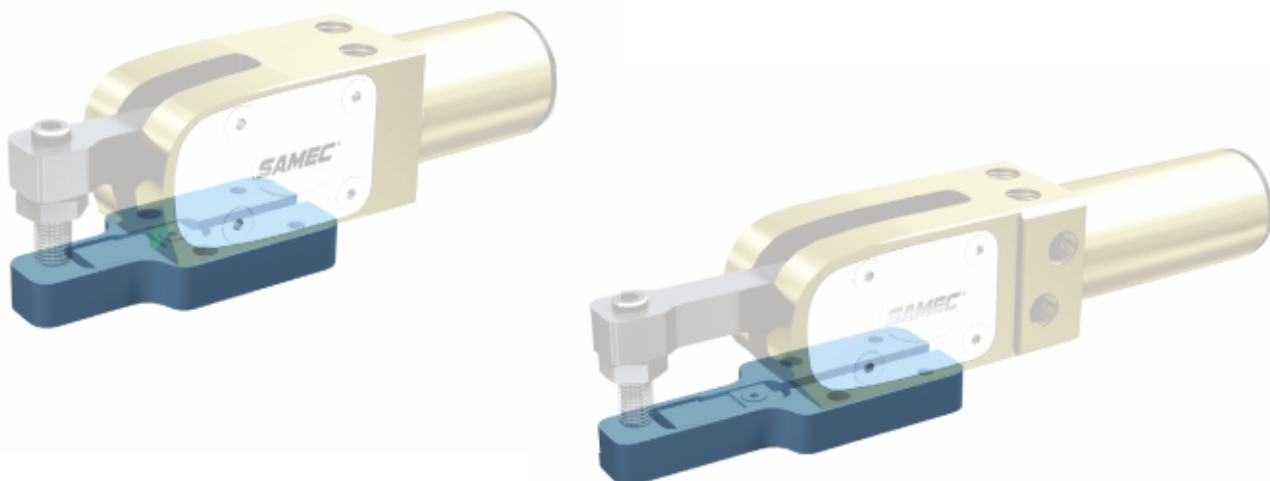


Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included

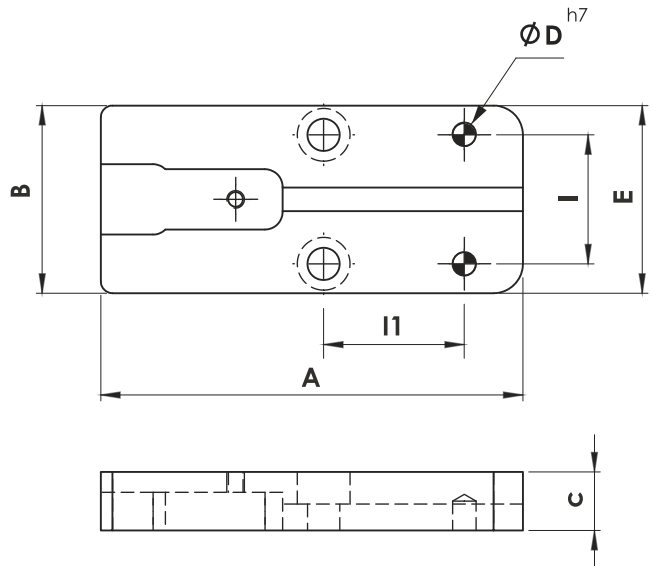
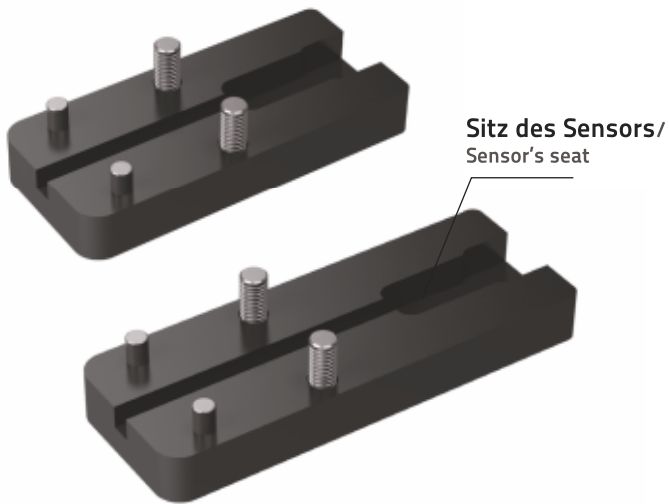
CODE	A	B	C	ØD	E	I	I1	F	Gewicht / Weight (Kg)	Bemerkungen / Note
SR-ICL1524	72	15	10	4	32	22	24	...	0,11	
SR-ICL1539	87	15	10	4	32	22	24	...	0,13	

Anwendungsbeispiel / Application example



Bestellbeispiel
Ordering example

SR	ICL	32	39
Unterbackenart	Spannerart	feste Backenbreite	maximale Blechtiefe
fixed jaw type	clamp type	fixed jaw's width	max. depth of the sheet metal handling

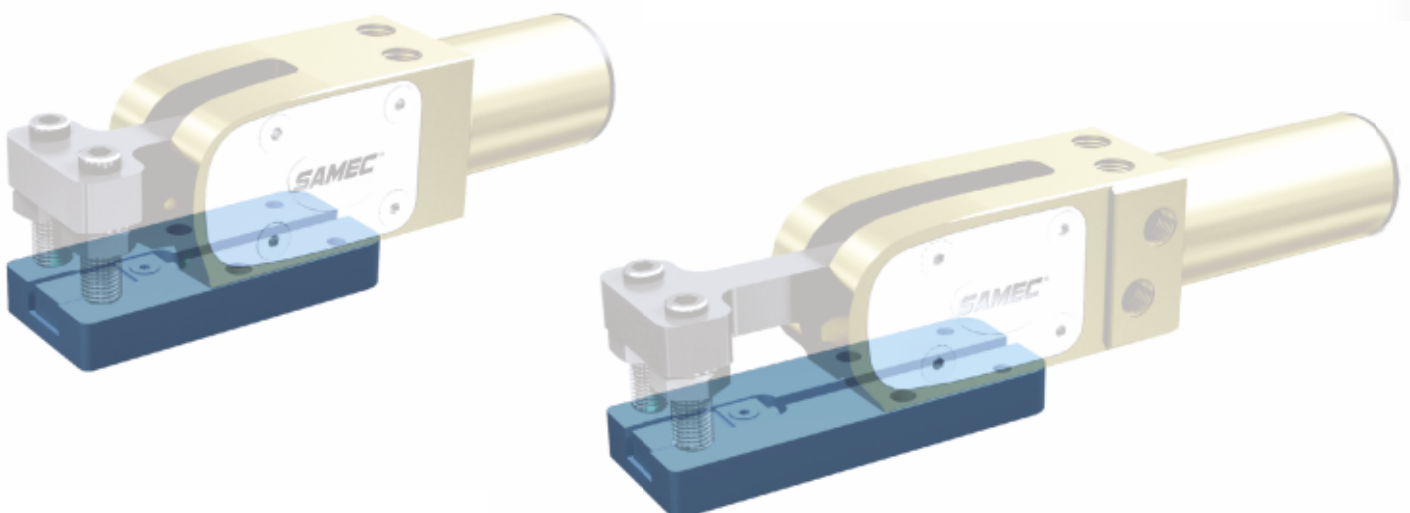


Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	I	I1	F	Gewicht / Weight (Kg)	Bemerkungen / Note
SR-ICL3224	72	32	10	4	32	22	24	...	0,15	
SR-ICL3239	87	32	10	4	32	22	24	...	0,18	

Anwendungsbeispiel / Application example



Unterbacke / Fixed Jaw SR-ICL

Bestellbeispiel
Ordering example

SR

Unterbackenart

fixed jaw type

ICL

Spannerart

clamp type

55

feste
Backenbreite

fixed jaw's
width

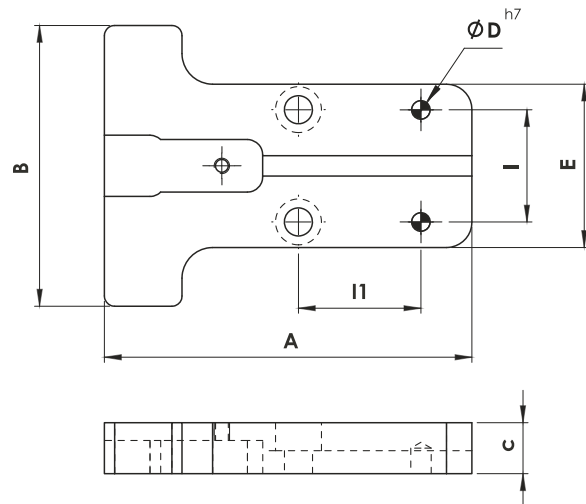
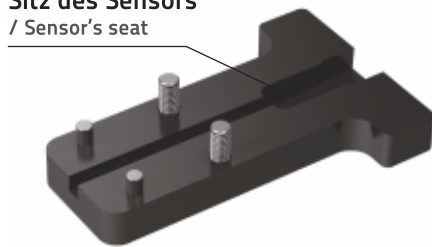
24

maximale
Blehtiefe

max. depth of the sheet
metal handling



Sitz des Sensors
/ Sensor's seat

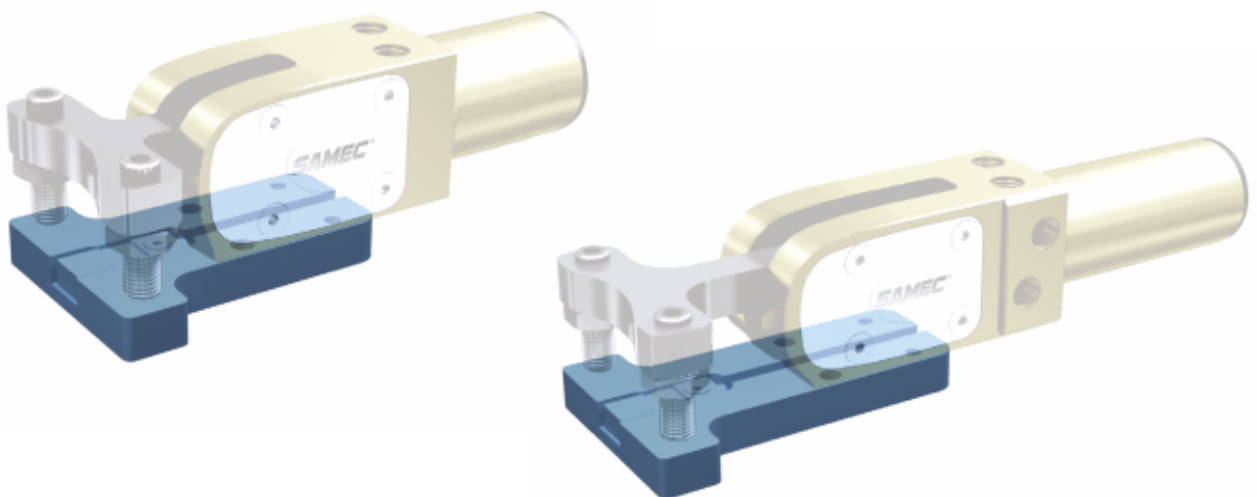


Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	I	I1	F	Gewicht / Weight (Kg)	Bemerkungen / Note
SR-ICL5524	72	55	10	4	32	22	24	...	0,17	
SR-ICL5539	87	55	10	4	32	22	24	...	0,21	

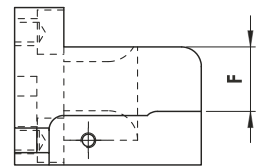
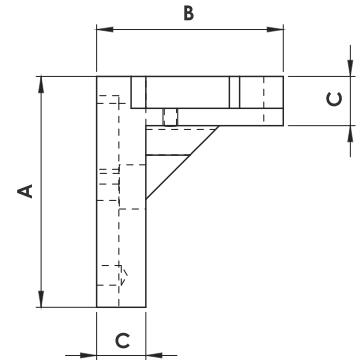
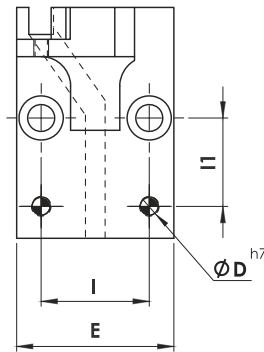
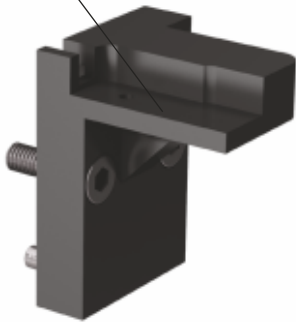
Anwendungsbeispiel / Application example



Bestellbeispiel
Ordering example

SR	LL	16	38
Unterbackenart fixed jaw type	Spannerart clamp type	feste Backenbreite fixed jaw's width	maximale Blehtiefe max. depth of the sheet metal handling

Sitz des Sensors/
Sensor's seat

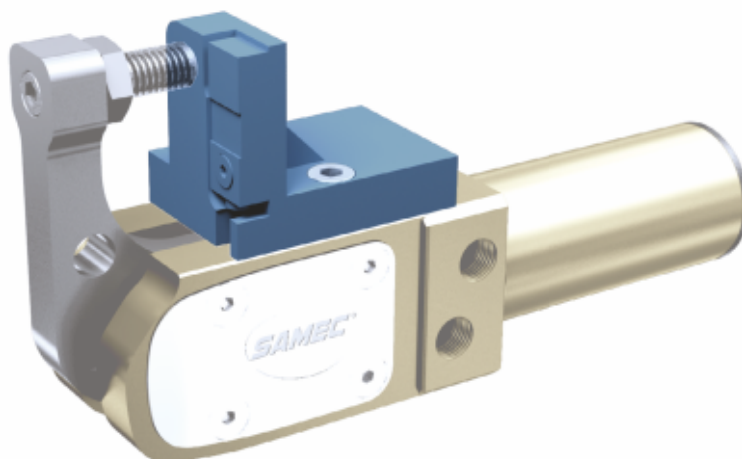


Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included

CODE	A	B	C	ØD	E	I	I1	F	Gewicht / Weight (Kg)	Bemerkungen / Note
SR-LL1638	47	38	10	4	32	22	18	13	0,15	

Anwendungsbeispiel / Application example



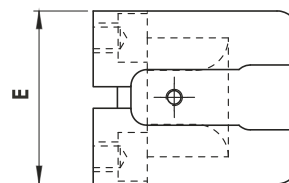
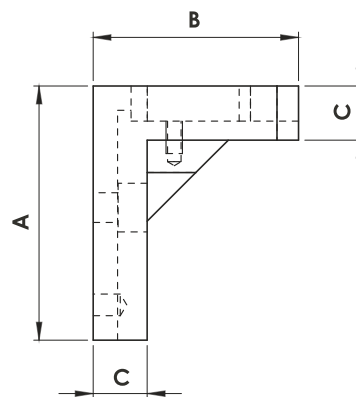
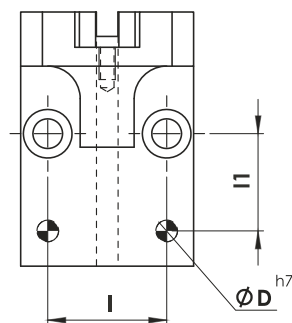
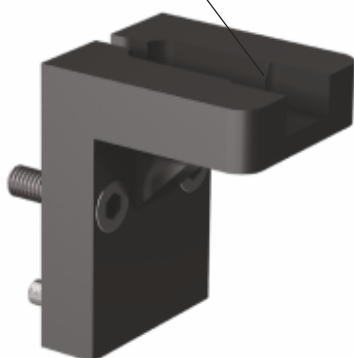
Unterbacke / Fixed Jaw

SR-LL

Bestellbeispiel
Ordering example

SR	LL	32	38
Unterbackenart fixed jaw type	Spannerart clamp type	feste Backenbreite fixed jaw's width	maximale Blechtiefe max. depth of the sheet metal handling

Sitz des Sensors
/ Sensor's seat

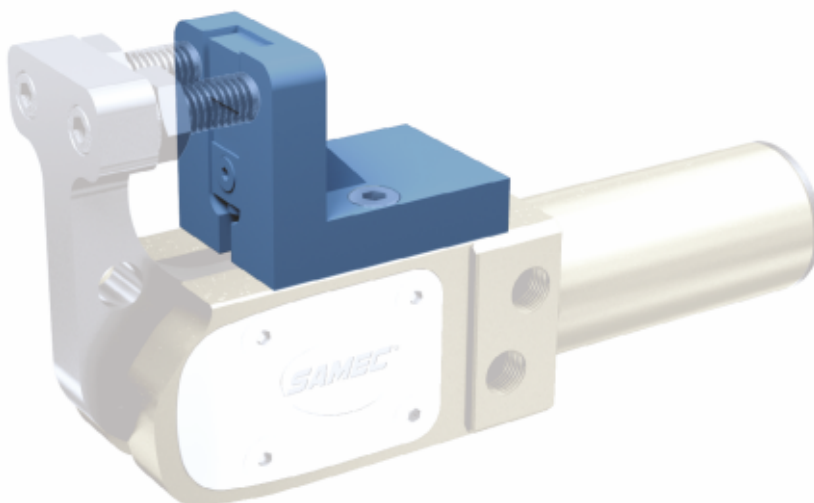


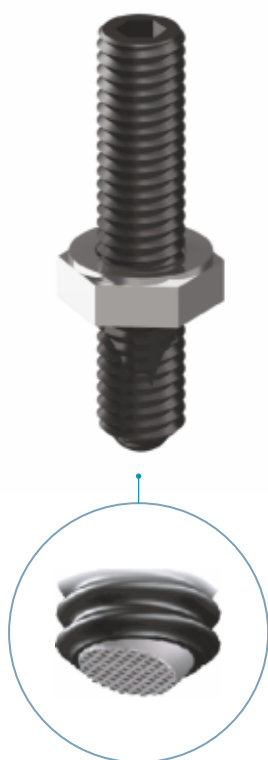
Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included

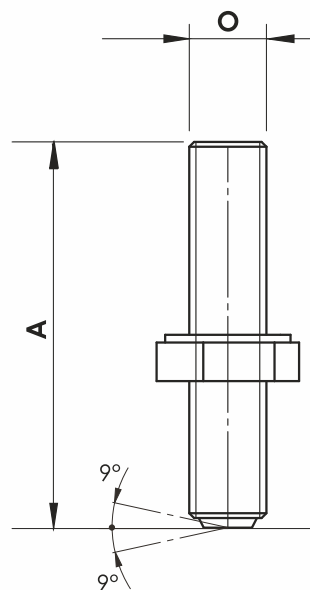
CODE	A	B	C	ØD	E	I	I1	F	Gewicht / Weight (Kg)	Bemerkungen / Note
SR-LL3238	47	38	10	4	32	22	18	...	0,17	

Anwendungsbeispiel / Application example





Detail geriffelte Kugel
/ Swinging toothed ball

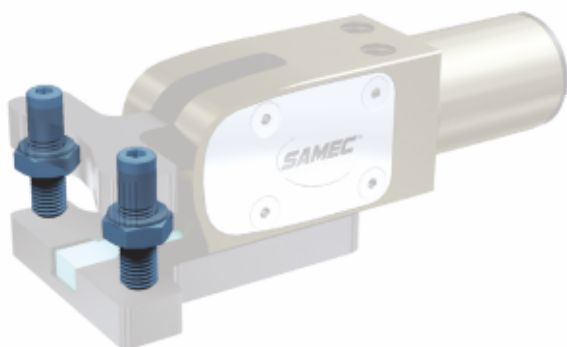


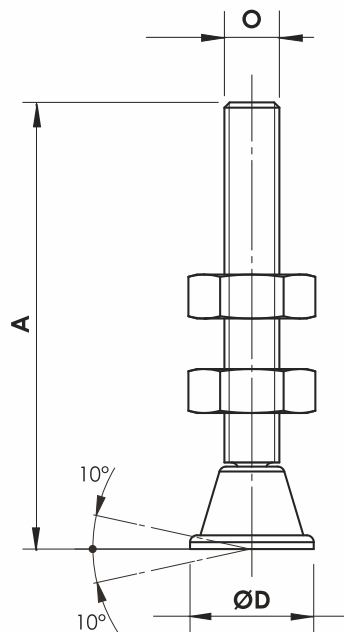
Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included

CODE	A	B	B1	C	D	E	I	I1	O	Gewicht / Weight (Kg)	Bemerkungen / Note
RG-25-25	25	--	--	--	--	--	--	--	M8	0,010	
RG-25-30	30	--	--	--	--	--	--	--	M8	0,012	

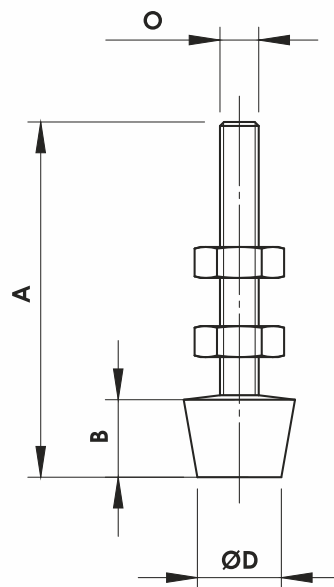
Anwendungsbeispiel / Application example





Material: Stahl
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel
Treatment: Burnishing
Bolts: Included



Material: Stahl und Neopren
Behandlung: Brünierung
Schrauben: enthalten

Material: Steel and neoprene
Treatment: Burnishing
Bolts: Included

CODE	A	B	B1	C	ØD	E	I	I1	O	Gewicht / Weight (Kg)	Bemerkungen / Note
RP-20	65	--	--	--	18	--	--	--	M8	0,030	
RN-20	55	12	--	--	13	--	--	--	M6	0,020	
RN-32	68	16	--	--	16	--	--	--	M8	0,030	

Druckluftzubehör

Pneumatical Accessories



01

gerade Steckverbindung
Push-in Fitting

pag. 110



22L

Steckverbindung
Push-in Fitting

pag. 110



T29

Drosselrückschlagventil
Flow Regulator

pag. 111



T29P

Drosselrückschlagventil
Flow Regulator

pag. 111



T08

Reduzierstück
Reducer

pag. 112



T05

T-Steckverbindung
T Connector

pag. 112



T18

Steckverteiler
Push-in Fitting

pag. 113



T23

Y-Steckverbindung
Y Connector

pag. 113



T09

Stopfen
Push-in Fitting

pag. 114



TPU

Schlauch
Tube

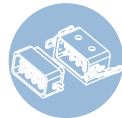
pag. 114



A4TUP

Doppelschlauch
Bitube

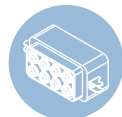
pag. 115



Pneumatikanschluss

Pneumatic Connection

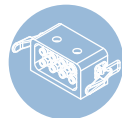
pag. 116



DISTR-F

Buchsengehäuse
Female Plug Casing

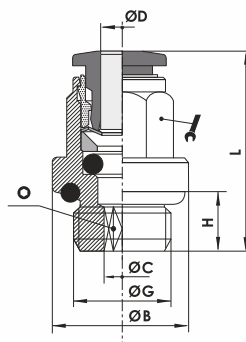
pag. 117



DISTR-M

Steckergehäuse
Male Plug Casing

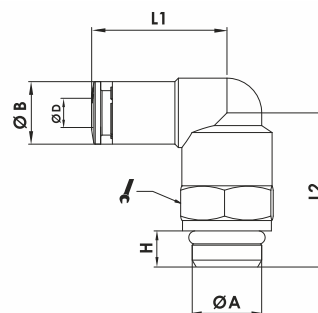
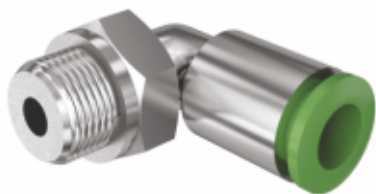
pag. 118



Material: Messing

Material: brass

CODE	ØB	ØC	ØD	G	H	L		Bemerkungen / Note
0104M5	9	2,6	4	M5	4	20,5	Ø9	
010418	13,5	2,6	4	1/8	5,5	20	9	
0106M5	11	2,6	6	M5	4	22,8	Ø11	
010618	13,5	4,2	6	1/8	5,5	25,3	11	
010614	17	4,2	6	1/4	6,5	24,3	11	
010818	12,8	5,2	8	1/8	5,5	27	13	
010814	17	6,2	8	1/4	6,5	25,5	13	



Material: Messing

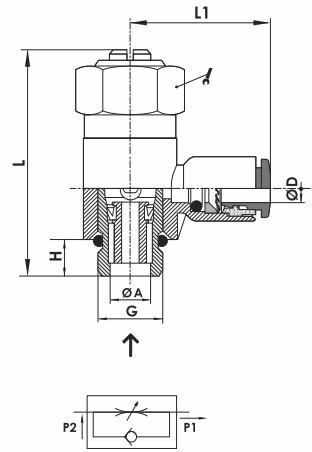
Material: brass

CODE	A	ØB	ØD	H	L1	L2		Bemerkungen / Note
2204M5	M5	9,1	4	4	17,3	14,8	9	
220418	1/8	9,1	4	6	18	20	13	
2206M5	M5	11	6	4	14,5	21	9	
220618	1/8	11	6	6	23	20	13	
220614	1/4	11	6	8	23	24	13	
220818	1/8	13	8	6	25,5	20,3	13	
220814	1/4	13	8	8	25,5	24,3	13	

Drosselrückschlagventil / Flow Regulator **T29**



Material: Messing
Material: brass

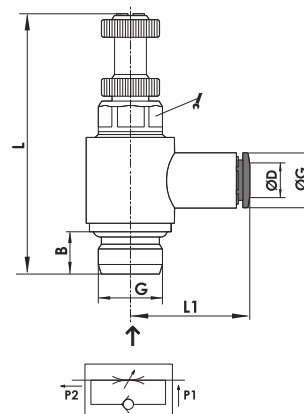


CODE	ØA	ØD	G	H	L	L1		Bemerkungen / Note
T290618	5	6	1/8	5,5	34	24,3	14	unidirektional / unidirectional
T290614	6	6	1/4	6,5	42	25,5	17	
T290818	5	8	1/8	5,5	34	24,8	14	
T290814	6	8	1/4	6,5	42	26,5	17	

Drosselrückschlagventil / Flow Regulator **T29P**

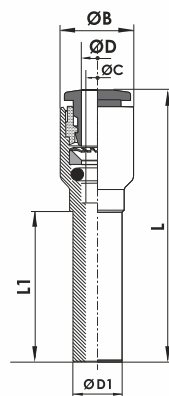
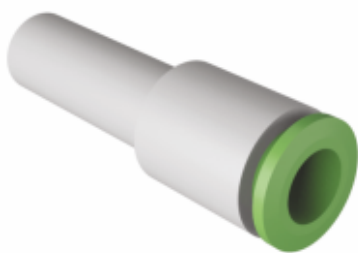


Material: Messing
Material: brass



CODE	B	ØD	G	L	L1		Bemerkungen / Note
T290618P	5,5	6	1/8	43	24,3	9	unidirektional / unidirectional
T290614P	6,5	6	1/4	50	25,5	12	
T290818P	5,5	8	1/8	43	24,8	9	
T290814P	6,5	8	1/4	50	26,5	12	

Reduzierstück / Reducer T08

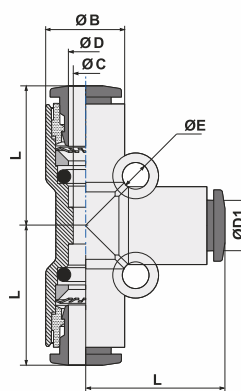


Material: Kunststoff

Material: technopolymer

CODE	ØB	ØC	ØD1	ØD	L	L1	Bemerkungen / Note
T080604	9,5	3	6	4	35,5	19,5	
T080804	9,5	3	8	4	37	21	
T080806	11,5	5	8	6	39	23	

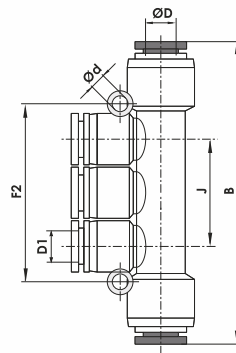
T -Steckverbindung / T Connector T05



Material: Kunststoff

Material: technopolymer

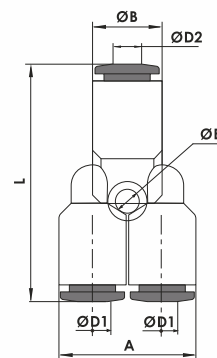
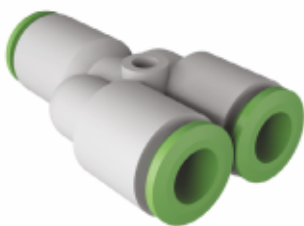
CODE	ØB	ØC	ØD	ØD1	ØE	L	Bemerkungen / Note
T050604	13	5,3	6	4	2,4	19,2	
T050600	11,5	5	6	6	2,6	20,8	
T050806	14,4	7,1	8	6	3,2	22,7	
T050800	13,5	7	8	8	2,75	23	



Material: Kunststoff

Material: technopolymer

COD.	B	ØD	ØD1	Ød	J	F2	Bemerkungen / Note
T180604	58	6	4	3,2	22	36	
T180804	63,4	8	4	3,2	26	42	
T180806	63,4	8	6	3,2	26	42	

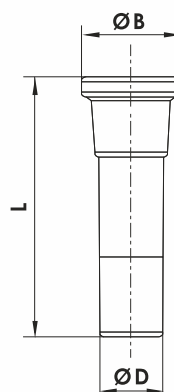
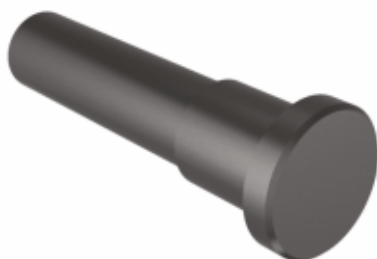


Material: Kunststoff

Material: technopolymer

CODE	A	ØB	ØD1	ØD2	ØE	L	Bemerkungen / Note
T230406	19	11,5	4	6	2,4	35,8	
T230600	23	11,5	6	6	2,6	38,6	
T230608	23	13,5	6	8	3,2	39,8	
T230800	27	16,5	8	8	2,75	42,5	

Stopfen / Plug T09

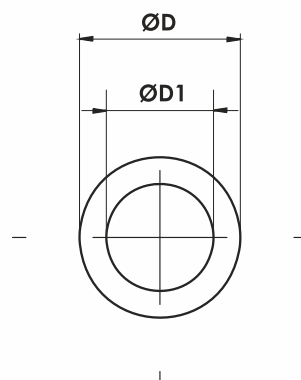


Material: Kunststoff

Material: technopolymer

COD.E	ØB	ØC	ØD	ØD1	L	L1	Bemerkungen / Note
T090400	7	--	4	--	25	--	
T090600	9,5	--	6	--	27,5	--	
T090800	12	--	8	--	30	--	

Schlauch / Tube TPU

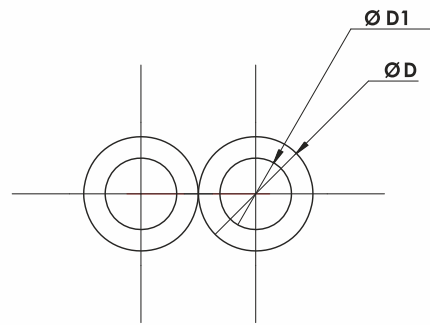


Material: Polyurethan

Material: polyurethane

P = Arbeitsdruck / working pressure
P1 = Berstdruck / breaking pressure
R = Biegeradius / bending radius

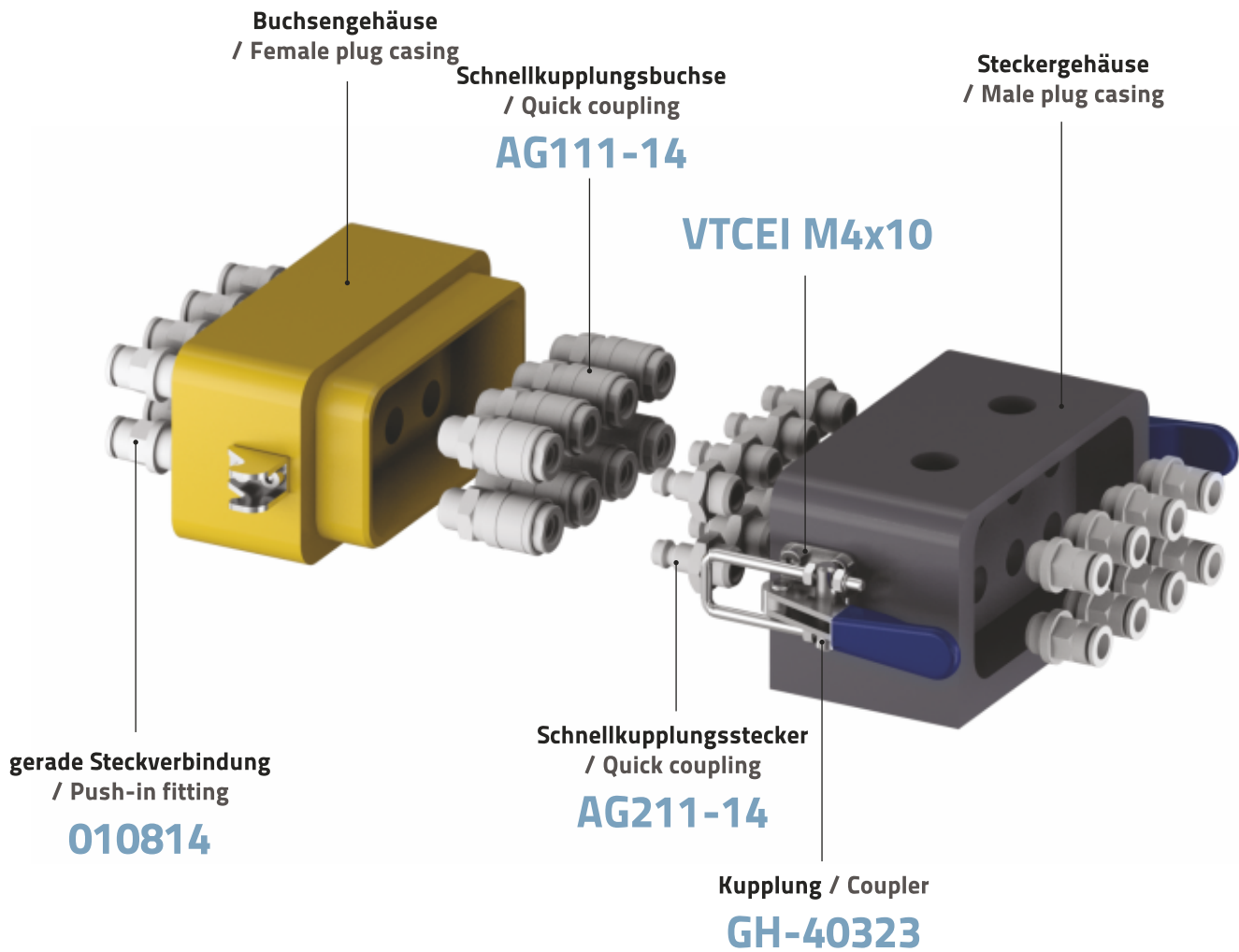
CODE	ØD	ØD1	P (bar)	P1 (bar)	R (mm)	Note
TPU0604BU	6	4	10	40	18	BU: blauer Schlauch / blue tube
TPU0604GR	6	4	10	40	18	GR: grüner Schlauch / green tube
TPU0806BU	8	6	7	28	35	BU: blauer Schlauch / blue tube
TPU0806GR	8	6	7	28	35	GR: grüner Schlauch / green tube



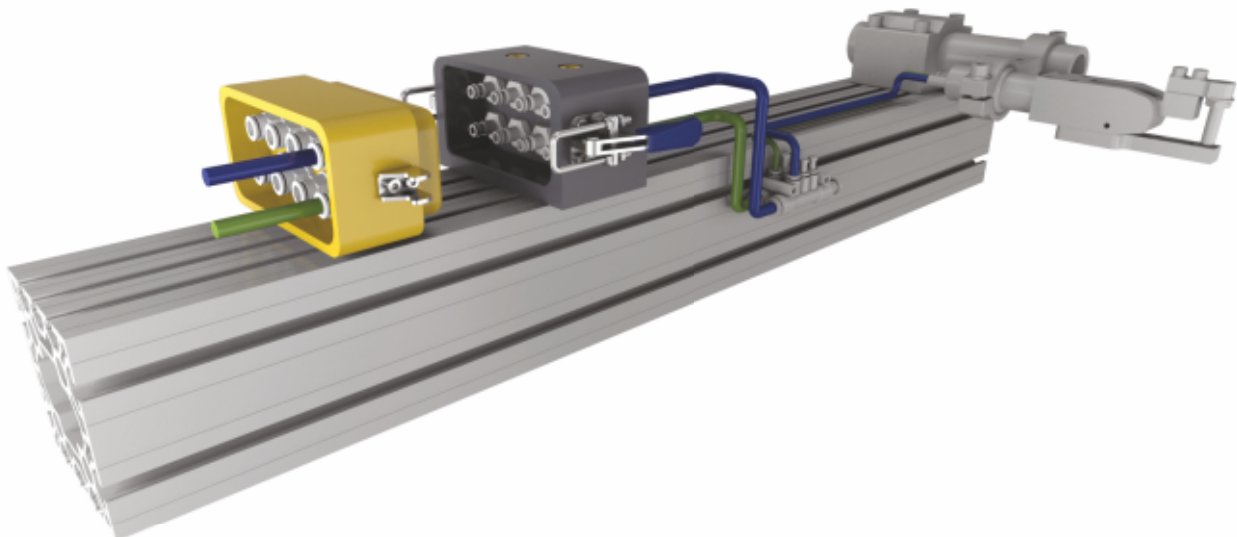
Material: Polyurethan

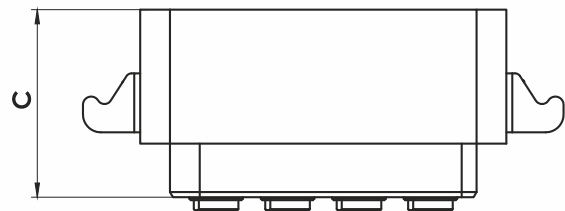
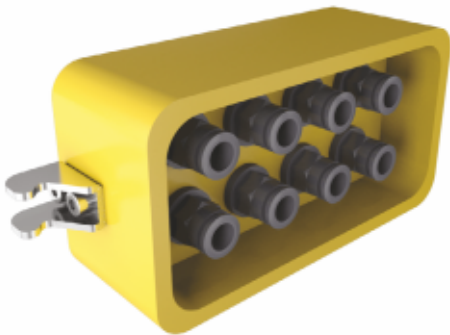
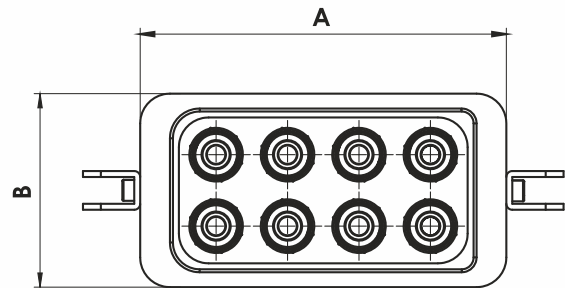
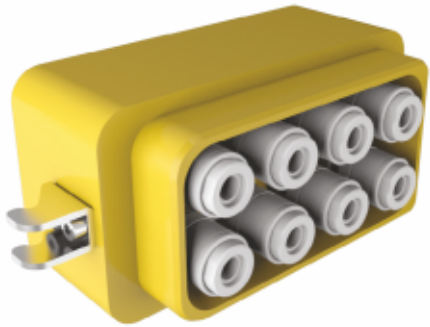
Material: polyurethane

CODE	ØD	ØD1	P (bar)	P1 (bar)	R (mm)	Bemerkungen / Note
BTPU042.5GRBU	4	2,5	--	--	--	hitzeversiegelt / heat-sealed



Anwendungsbeispiel / Application example

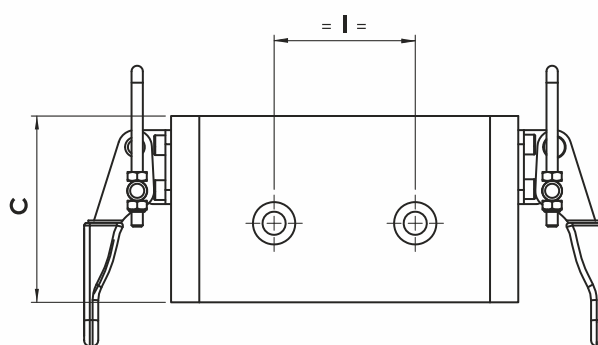
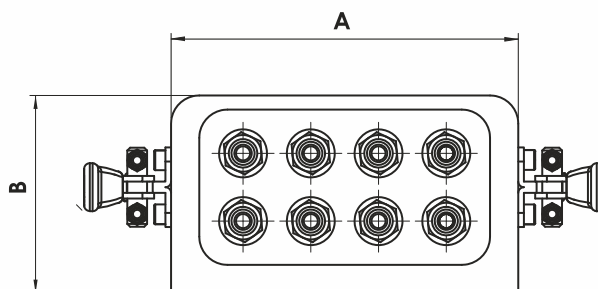
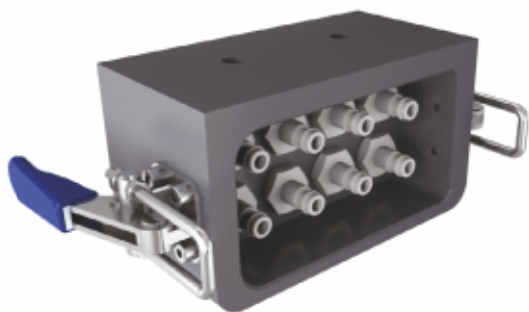




Material: Aluminium 6082
Behandlung: gold eloxiert
Schrauben: enthalten

Material: Aluminium 6082
Treatment: Yellow anodizing
Bolts: Included

CODE	ØA	ØB	C	Bemerkungen / Note
DISTR8-1/4F	123	65	63	
DISTR6-1/4F	99	65	63	
DISTR4-1/4F	75	65	63	



Material: Aluminium 6085
Behandlung: metallgrau eloxiert
Schrauben: enthalten

Material: Aluminium 6085
Treatment: Gunmetal anodizing
Bolts: Included

CODE	A	B	C	I	Bemerkungen / Note
DISTR8-1/4M	123	70	66	50	
DISTR6-1/4M	99	70	66	50	
DISTR4-1/4M	75	70	66	50	

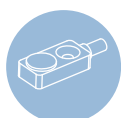
Elektrisches Zubehör

Electrical Accessories



NBN - Teileerkennungssensor
Part presence sensor

pag. 120



NBB - Teileerkennungssensor
Part presence sensor

pag. 121



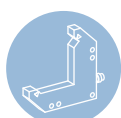
IE5351 - Näherungsschalter M8
Proximity sensor M8

pag. 122



IME12 - Näherungsschalter M12
Proximity sensor M12

pag. 122



OGL - optometrischer Sensor
Optometric sensor

pag. 123



RSC 4/7 - gerader, loser M12 Stecker
Steering straight male connector M12

pag. 124



RSCW 4/7 - 90°, loser M12 Stecker
Steering 90° male connector M12

pag. 124



9457730300
9457730500 - gerade M12 Buchse mit Kabel
Cabled female straight connector M12

pag. 125



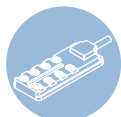
9457740300
9457740500 - 90° M12 Buchse mit Kabel
Cabled female 90° connector M12

pag. 125



ASBSA2M12-3 - Y Anschluss M12 für Serie
Y Connector M12 for series

pag. 126

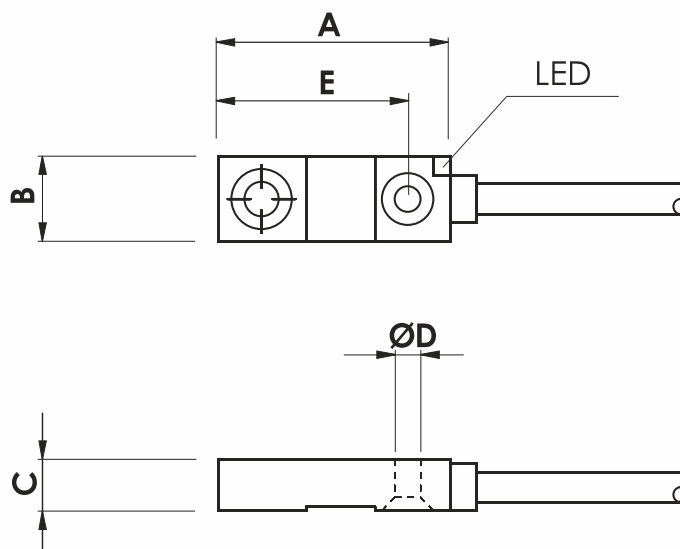
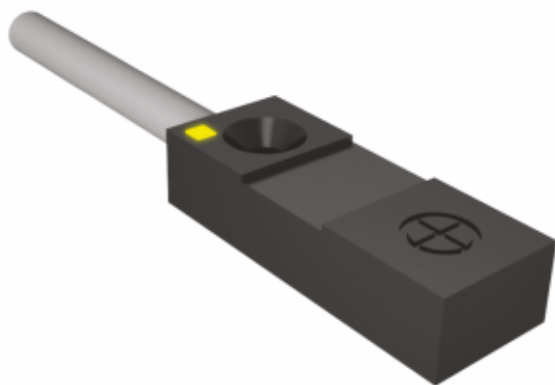


9456750000 - Sensor/Aktor-Passiv-Verteiler
Sensor-Actuator-Interface

pag. 127

Elektrische Stecker auf Anfrage / Plugs upon request

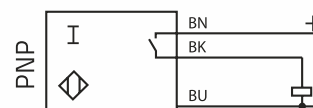
pag. 128



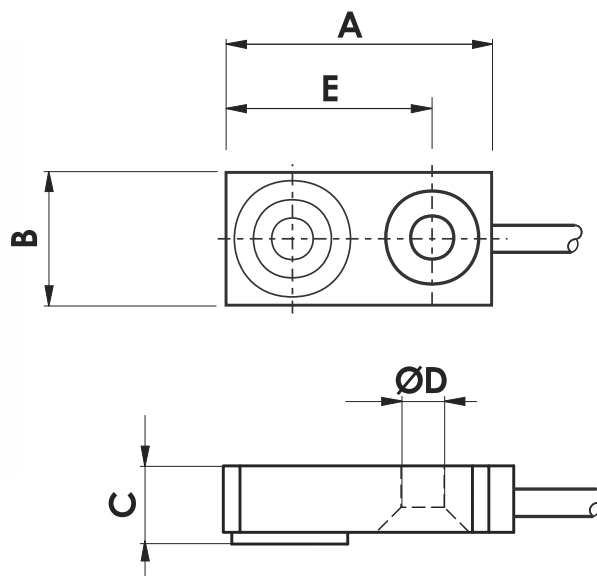
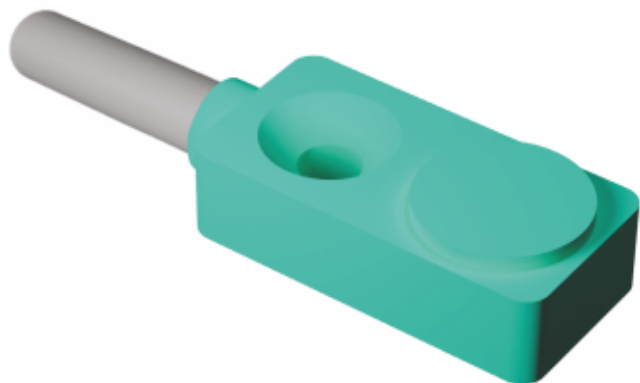
Schaltplan
/ Electrical connections

Material: PPS
Schutzklasse: IP67
Schrauben: enthalten

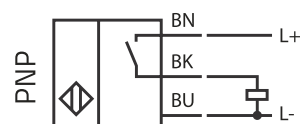
Material: PPS
Protection degrees: IP67
Bolts: Included



CODE	A	B	C	ØD	E	Kabellänge	Kabelquerschnitt / Core cross-section	Schaltplan / Electric scheme	Schaltabstand / Sensing distance
NBN4-F29-E2	27	10	6	3	22	2 m	1 X 0,14 mm ²	NO PNP	4 mm
NBN4-F29-E2-3M	27	10	6	3	22	3 m	1 x 0,14 mm ²	NO PNP	4 mm
NBN4-F29-E3-5M	27	10	6	3	22	5 m	1 x 0,14 mm ²	NC PNP	4 mm



Schaltplan
/ Electrical connections

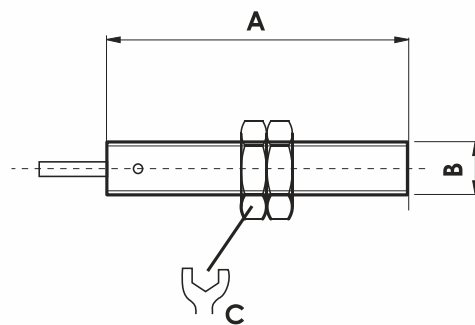


Material: PA
Schutzklasse: IP67
Schrauben: enthalten

Material: PA
Protection degrees: IP67
Bolts: Included

CODE	A	B	C	Ø D	E	Kabellänge / Cable Length	Kabelquerschnitt / Core cross section	Schaltplan / Electric scheme	Schaltabstand / Sensing distance
NBB1,5-F79-E2	16	8	4,7	2,6	12	0,5 m	3x0,08 mm ²	NO PNP	1,5 mm

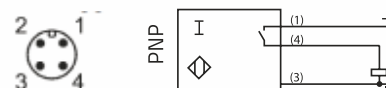
Näherungsschalter M8 / Proximity sensor M8 IE5351



Kabel mit M12 Stecker
Material: Messing LCP
Montage: eingeklemmt
Schrauben: enthalten

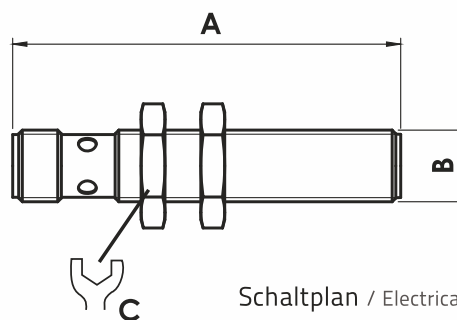
Cable with male connector: M 8
Material: Brass LCP
Assembly: Embedded
Bolts: Included

Schaltplan / Electrical connections



CODE	A	B	C	Kabellänge	Kabelquerschnitt / Core cross-section	Gewicht / Weight (Kg)	Schaltplan / Electric scheme	Schaltabstand / Sensing distance
IE5351	35	M 8X1	13	0,3 m	3 x 0,14 mm ²	0,34	NO PNP	3 mm

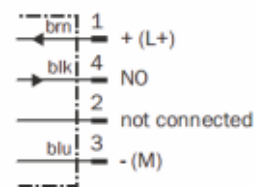
Näherungsschalter M12 / Proximity sensor M12 IME12



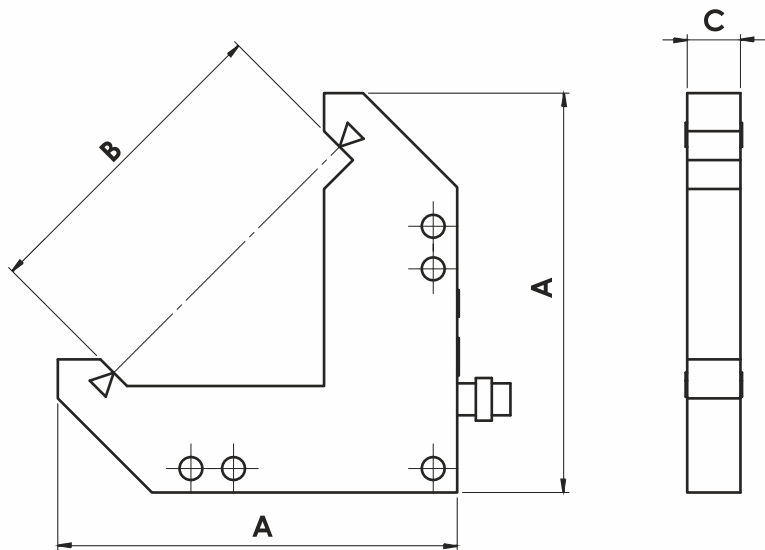
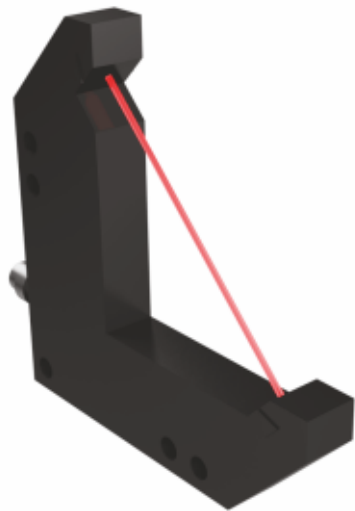
Kabel mit M12 Stecker
Material: Messing LCP
Montage: eingeklemmt
Schrauben: enthalten

Embedded male connector: M 12
Material: Nickel-plated brass LCP
Bolts: Included

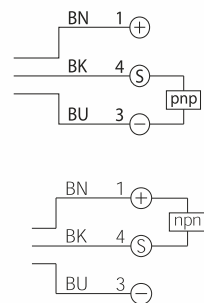
Schaltplan / Electrical connections



CODE	A	B	C	E	Kabellänge	Gewicht /Weight (Kg)	Schaltplan / Electric scheme	Schaltabstand / Sensing distance
IME12-04BPSZCOS	65	M 12x1	17	--	--	0,015	NO PNP	4 mm



Schaltplan
/ Electrical connections



Material: Aluminium
Schutzklasse: IP67
Behandlung: schwarz eloxiert

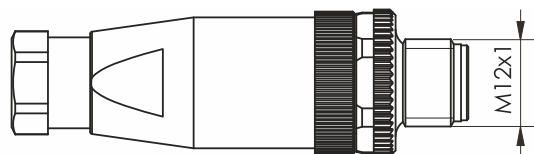
Material: Aluminium
Protection degree: IP67
Treatment: Black anodizing

CODE	A	B	C	D	E	F	Gewicht / Weight (Kg)	Schaltplan/Electric scheme
OGL-P	75	60	10	--	--	--	--	PNP
OGL-N	75	60	10	--	--	--	--	NPN

gerader, loser M12 Stecker / Steering straight male connector M12
RSC 4/7

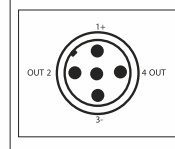


4 POLE
 / 4 POLES



Schaltplan
 / Electrical connections

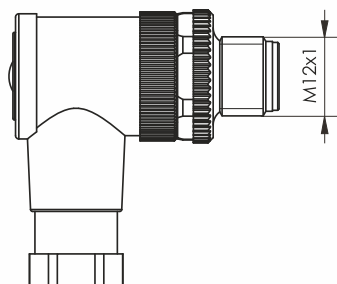
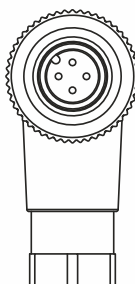
- (1) ———— +
- (2) ———— OUT
- (3) ———— -
- (4) ———— OUT



90°, loser M12 Stecker / Steering 90° male connector M12
RSCW 4/7



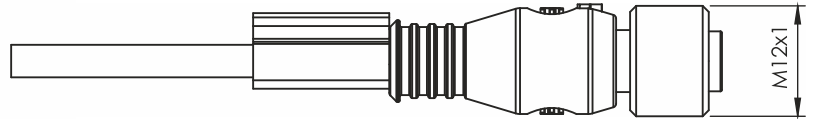
4 POLE
 / 4 POLES



gerade M12 Buchse mit Kabel / Cabled female straight connector M12

9457730300

9457730500



Schutzklasse: IP67
Polanzahl: 4

Protection degree: IP67
Poles N°: 4

Bestellbeispiel
/ Ordering example

9457730

300

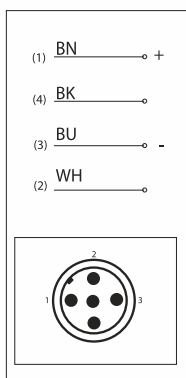
Kabellänge 3m
/ cable's length 3m

9457730

500

Kabellänge 5m
/ cable's length 5m

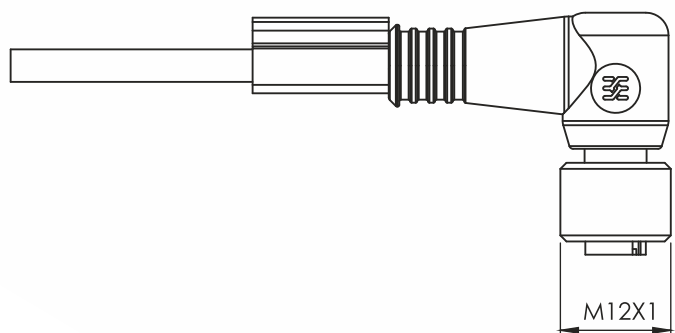
Schaltplan
/ Electrical connections



90° M12 Buchse mit Kabel / Cabled female 90° connector M12

9457740300

9457740500



Schutzklasse: IP67
Polanzahl: 4

Protection degree: IP67
Poles N°: 4

Bestellbeispiel
/ Ordering example

9457740

300

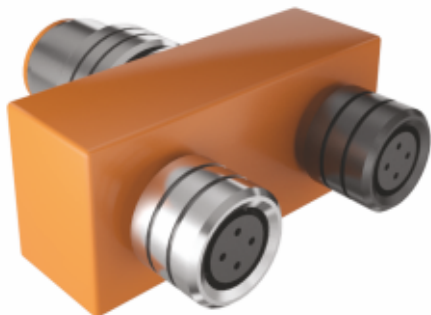
Kabellänge 3m
/ cable's length 3m

9457740

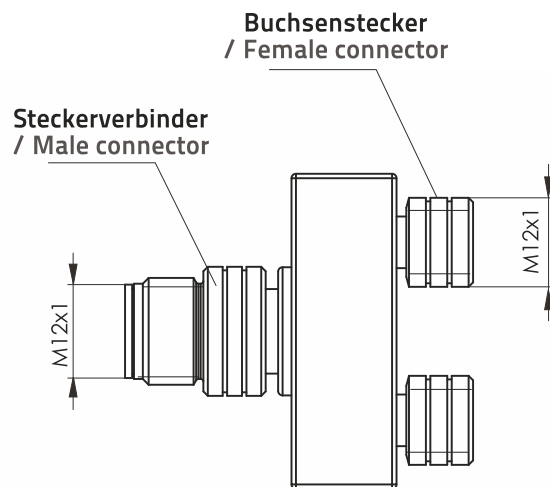
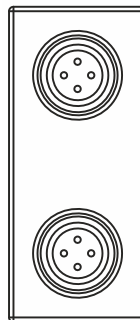
500

Kabellänge 5m
/ cable's length 5m

Y Anschluss M12 für Serie / Y Connector M12 for series **ASBSA2M12-3**



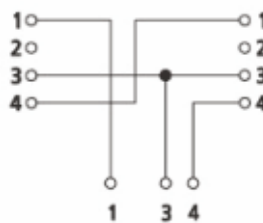
4 POLE
/ 4 POLES



Schutzklasse: IP67
/ Protection degree: IP67



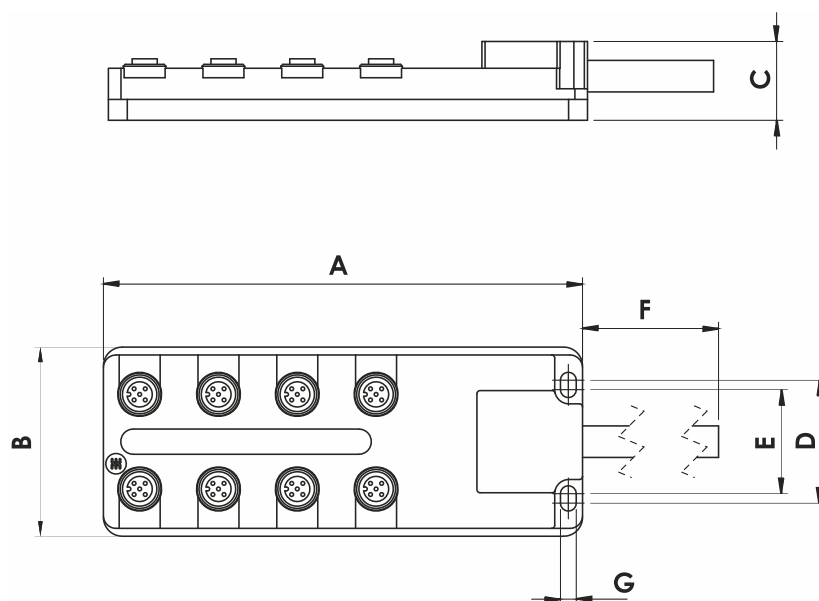
Kupplungseinsatz "A"
/ female connector "A"



Kupplungseinsatz "B"
/ female connector "B"

Steckereinsatz
/ male connector

Schaltplan
/ Electrical connections



Anzahl Kontaktbuchsen: 8
 Kontaktbuchsendurchmesser: M12
 Polanzahl: 4

Schutzklasse: IP68

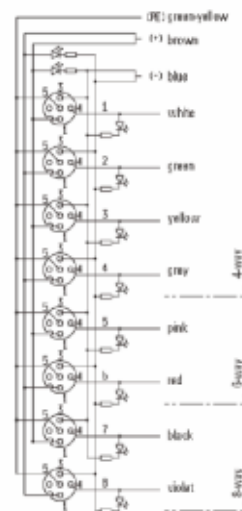
Contacts N°: 8
 Plug-in diameter: M12
 Poles N°: 4

Protection degree: IP68

Tool Plates
 Standard Parts
 TRANSFER PRESS
 Modular Tooling Systems

THG
SAMEC

Schaltplan / Electrical connections

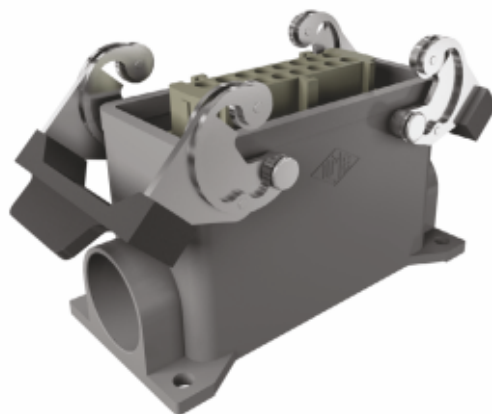


CODE	A	B	C	D	E	F (m)	G	Gewicht / Weight (Kg)
9456750000	152	60	25	39	33	5	5	0,693

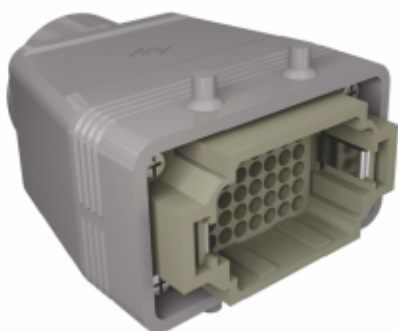
CKA03VS-CDM08



CHP16-CNEF16T



CAV1029-CDDM42



CHP24L-CNEM24T



Aluminiumprofile

Aluminium Profiles



P-8030

Hilfsschienenprofil
Profile

pag. 131



P-9045

Hilfsschienenprofil
Profile

pag. 132



P-100100

Greiferschienenprofil
Profile

pag. 133



P-13545

Hilfsschienenprofil
Profile

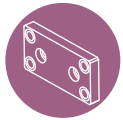
pag. 134



P-135135

Greiferschienenprofil
Profile

pag. 134



F4590

Abdeckung

pag. 135



A2610

Muttern
Nuts

pag. 136



A2634

Muttern
Nuts

pag. 136



C500810

Muttern
Nuts

pag. 137



C330044

Muttern
Nuts

pag. 137



G8030

Muttern
Nuts

pag. 138



G8030-M8-30

Muttern
Nuts

pag. 138



A2080

Profilabdeckung
Profile Cover

pag. 139



C51001

Profilabdeckung
Profile Cover

pag. 139

**Spezielle
Schienenkupplung**

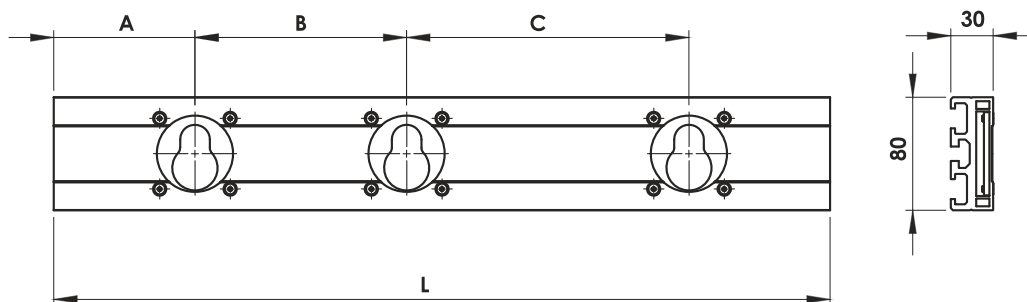
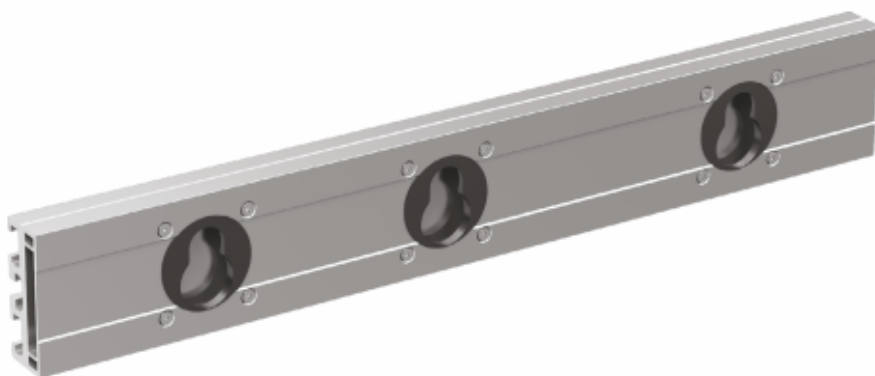
Specific transfer mountings

pag. 140

Hilfsschienenprofil komplett mit Aufnahmeplatte / Auxiliary profile bar with mounted keyhole plates **P-8030**

Bestellangaben / Ordering information

P-8030	L	A	B	C
Hilfsschienenprofil	Länge in mm	Abstand der ersten Platte vom Profilende	Abstand der zweiten von der ersten Platte	Abstand der dritten von der zweiten Platte
Auxiliary Profile Bar	Total Length	Distance from the edge of the profile to the first plate	Distance from the first plate to the second one	Distance from the second plate to the third one



Material: Aluminium und Stahl
Behandlung: natürliche Anodisierung und Brünierung

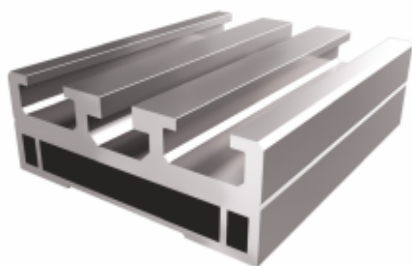
Material: Aluminium and Steel
Treatment: Natural anodizing and burnishing

Bestellangaben / Ordering information

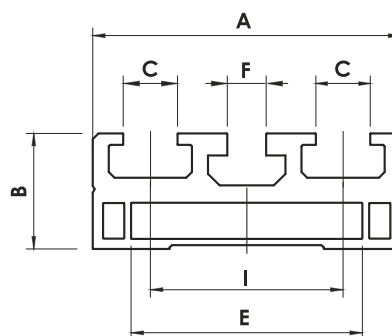
P-8030-1100-200-300-400

Art / TYPE	Trägheitsmoment / Bending inertia moment		Biege widerstandsmoment / Bending resistance moment		Schnitt / Section
	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)	
P-8030	68	7,32	17	4,83	10,39

P-8030



Material: Aluminium

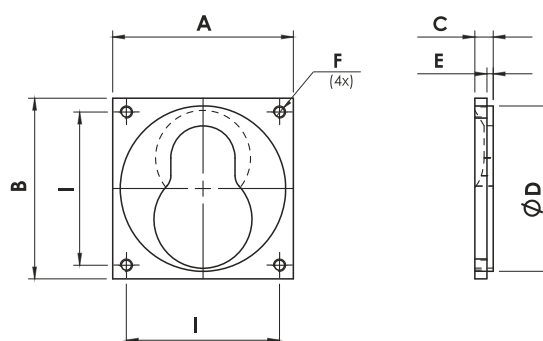


Material: Aluminium

A-8030



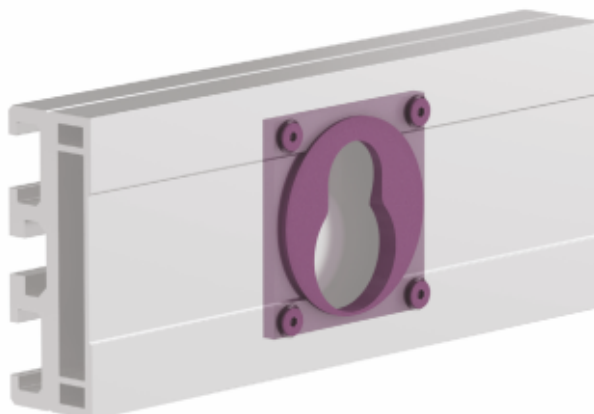
Material: Stahl



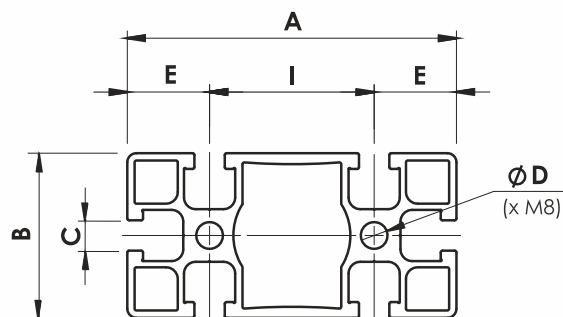
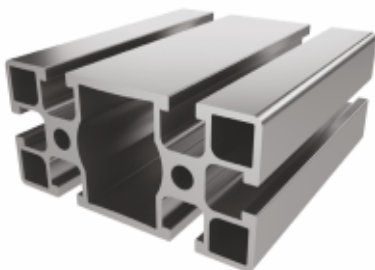
Material: Steel

CODE	A	B	C	Ø D	E	F	I	Gewicht / Weight	Bemerkungen / Note
P-8030	80	30	14,1	--	60	10	50	2,8 kg/m	L max 6000
A-8030	59	59	6	54	2	M4	50	0,09 kg	

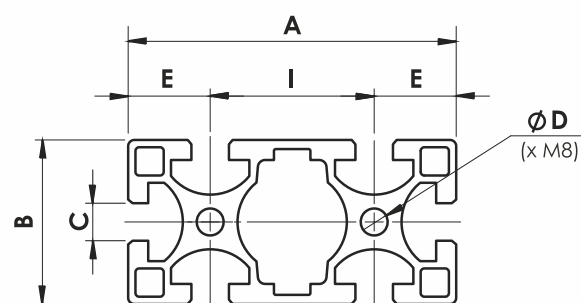
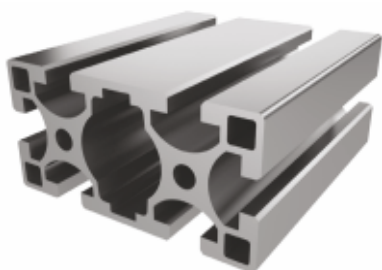
Anwendungsbeispiel / Application example



P-9045-A



P-9045-C



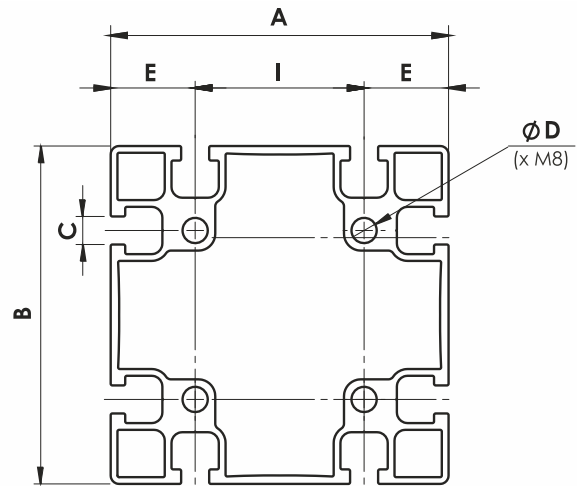
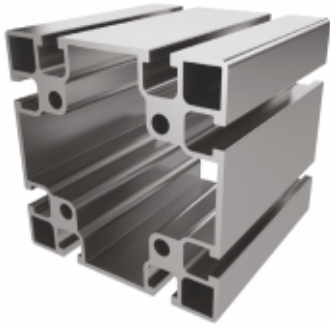
Material: Aluminium
Behandlung: natürliche Anodisierung

Material: Aluminium
Treatment: Natural anodizing

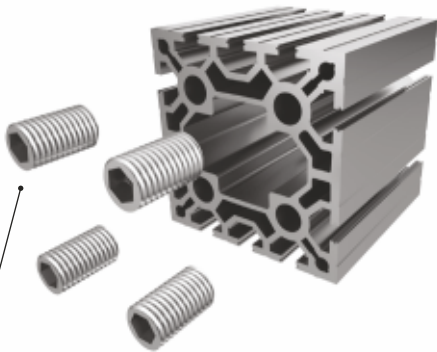
CODE	A	B	C	Ø D	E	I	Bemerkungen / Note
P-90x45-A	90	45	8,3	7,4	22,5	45	L max 6000
P-90x45-C	90	45	10,3	7,4	22,5	45	L max 6000

Art / TYPE	Trägheitsmoment / Bending inertia moment		Biege widerstandsmoment / Bending resistance moment		Schnitt / Section	Gewicht / Weight
	I _x (cm ⁴)	I _y (cm ⁴)	w _x (cm ³)	w _y (cm ³)	cm ²	Kg / m
P-90x45-A	94,19	24,6	20,93	10,93	11,64	3,14
P-90x45-C	117,6	30,9	26,13	13,73	15,08	4,07

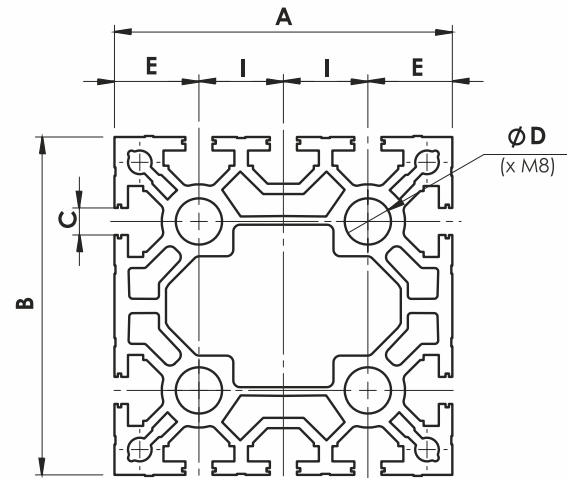
P-100100-A



P-100100-T



Gewindebuchsen
/ Threaded bushings
A33-20



Material: Aluminium
Behandlung: natürliche Anodisierung

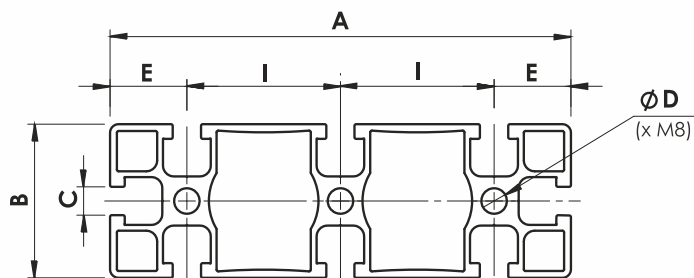
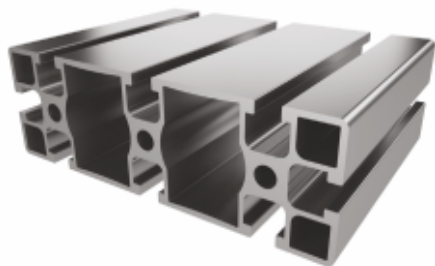
Material: Aluminium
Treatment: Natural anodizing

CODE	A	B	C	Ø D	E	I	Bemerkungen / Note
P-100100-A	100	100	8,3	7,4	25	50	
P-100100-T	100	100	8,3	13,7	25	25	

Art / TYPE	Trägheitsmoment / Bending inertia moment		Biege widerstandsmoment / Bending resistance moment		Schnitt / Section	Gewicht / Weight
	I _x (cm ⁴)	I _y (cm ⁴)	w _x (cm ³)	w _y (cm ³)	cm ²	
P-100100-A	242,3	242,3	48,46	48,46	20,6	5,58
P-100100-T	380	365	76	73	34,97	9,5

Greiferschienenprofil / Profile

P-13545

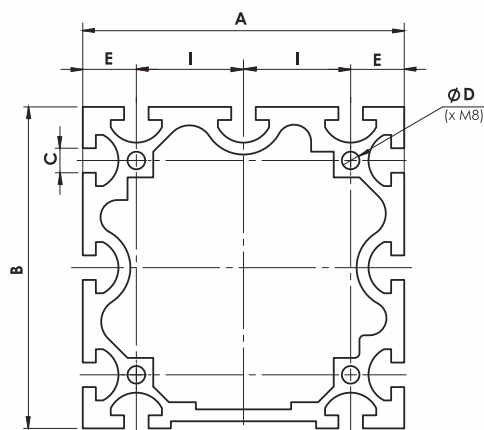


Material: Aluminium
Behandlung: natürliche Anodisierung

Material: Aluminium
Treatment: Natural anodizing

Greiferschienenprofil / Profile

P-135135

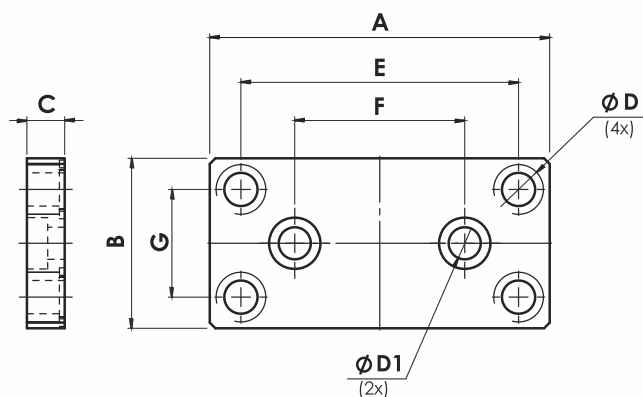


Material: Aluminium
Behandlung: natürliche Anodisierung

Material: Aluminium
Treatment: Natural anodizing

CODE	A	B	C	Ø D	E	I	Bemerkungen / Note
P-13545-A	135	45	8,3	7,4	22,5	45	L max 6000
P-135135	135	135	10,3	7,4	22,5	45	--

Art / TYPE	Trägheitsmoment / Bending inertia moment		Biege widerstandsmoment / Bending resistance moment		Schnitt / Section	Gewicht / Weight
	I _x (cm ⁴)	I _y (cm ⁴)	w _x (cm ³)	w _y (cm ³)		
P-13545-A	293,5	36,45	43,48	16,2	16,42	4,43
P-135x135-C	1116,8	1066,9	165,45	158,06	44,4	12,28

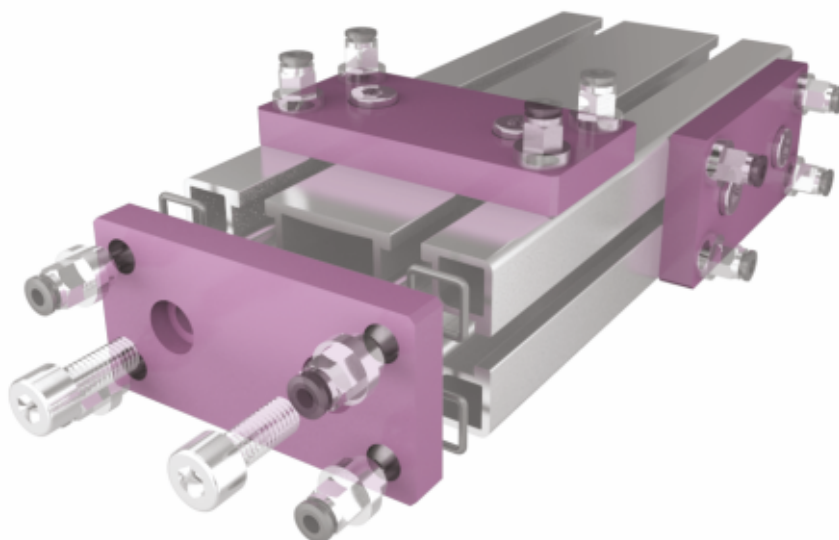


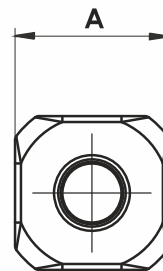
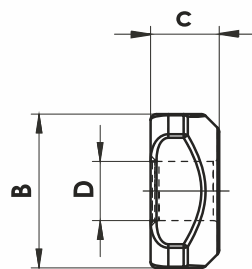
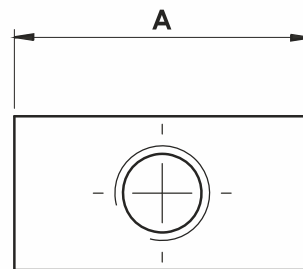
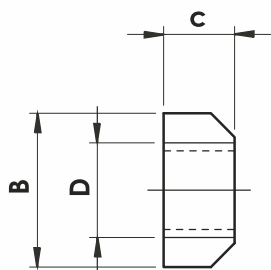
Material: Aluminium
Behandlung: metallgrau eloxiert
Schrauben: enthalten

Material: Aluminium
Treatment: Gunmetal anodizing
Bolts: Included

CODE	A	B	C	ØD	ØD1	E	F	G	Peso/Weight (Kg)	Bemerkungen / Note
F4590-A	90	45	10	1/8G	8,5	73,5	45	28,5	0,90	für Profil P-9045-A / for profile P-9045-A
F4590-C	90	45	10	1/8G	8,5	73,5	45	28,5	0,90	für Profil P-9045-C / for profile P-9045-C

Anwendungsbeispiel / Application example



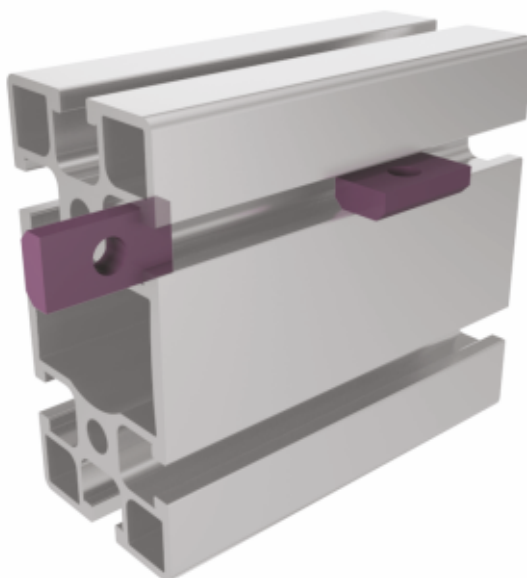
A2610/A2616/A2622

A2634


Material: Stahl 8,8
Behandlung: Verzinken

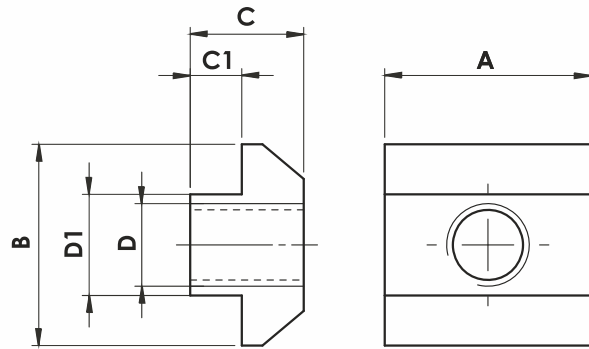
Material: Steel 8,8
Treatment: Galvanizing

CODE	A	B	C	Ø D	Bemerkungen / Note
A2610	13	13	5,8	M4	
A2616	13	13	5,8	M5	
A2622	13	13	5,8	M6	
A2634	25	13	6	M8	

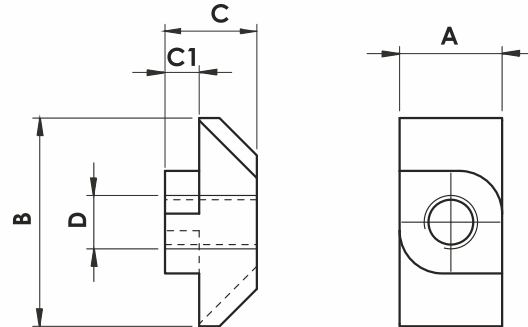
Anwendungsbeispiel / Application example



C500810



C330044 / C330045 / C330046

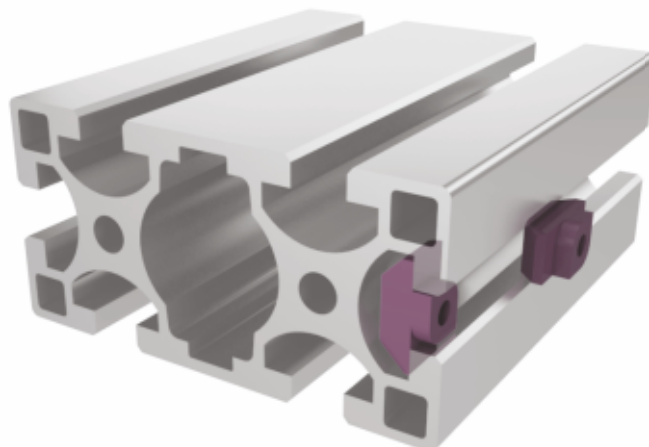


Material: Stahl 8,8
Behandlung: Verzinken

Material: Steel 8,8
Treatment: Galvanizing

CODE	A	B	C	C1	D	D1	Bemerkungen / Note
C500810	20	19,5	11	5	M8	9,8	
C330044	9,8	19,5	8	2,5	M4	--	
C330045	9,8	19,5	8	2,5	M5	--	
C330046	9,8	19,5	8	2,5	M6	--	

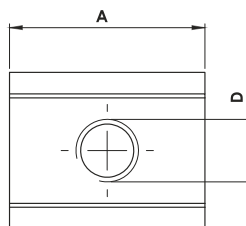
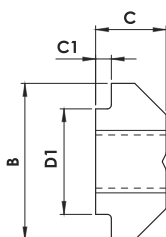
Anwendungsbeispiel / Application example



G8030

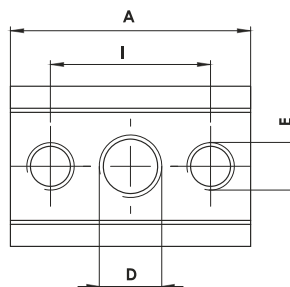
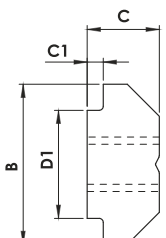
G8030-M8-30

G8030



Material: Stahl 8,8
Behandlung: Verzinken

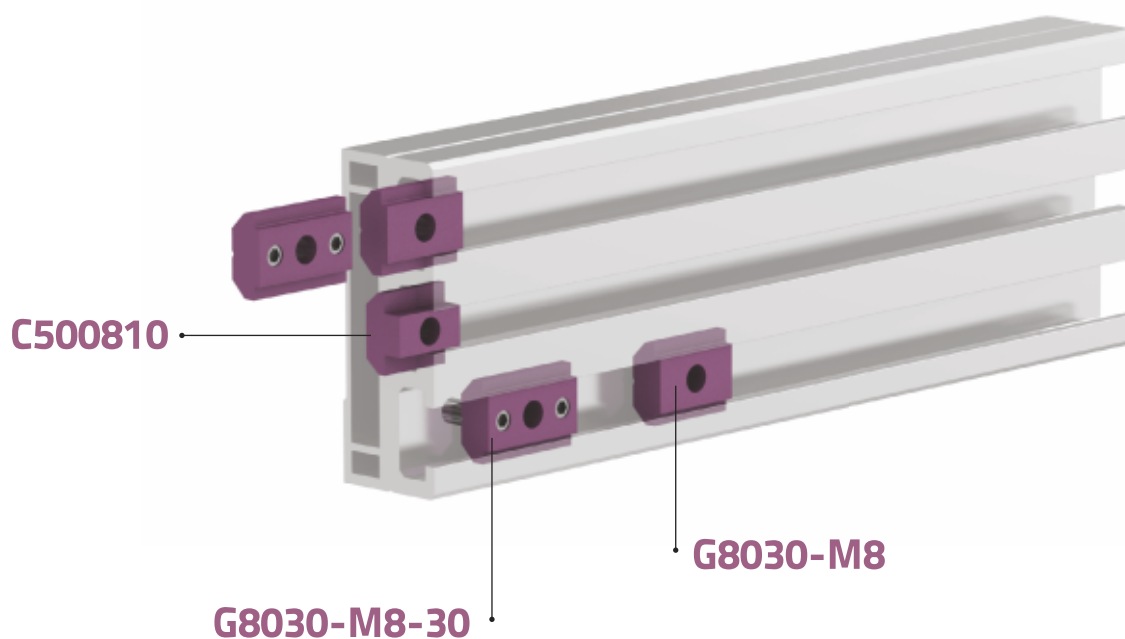
G8030-M8-30



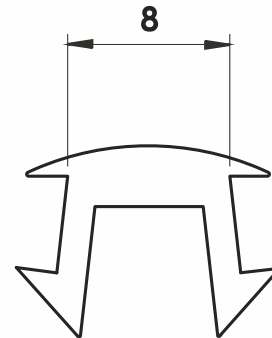
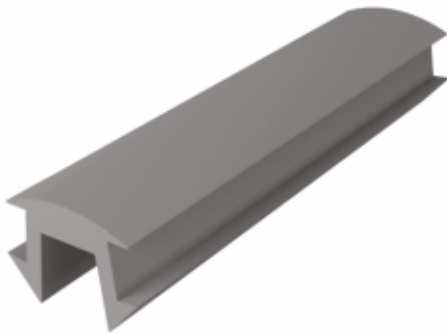
Material: Steel 8,8
Treatment: Galvanizing

CODE	A	B	C	C1	D	D1	E	I	Bemerkungen / Note
G8030-M5	25	20	9	2	M5	13,5	--	--	für Profil P-8030 / for profile P-8030
G8030-M6	25	20	9	2	M6	13,5	--	--	
G8030-M8	25	20	9	2	M8	13,5	--	--	
G8030-M10	25	20	9	2	M10	13,5	--	--	
G8030-M8-30	30	20	9	2	M8	13,5	M6	20	

Anwendungsbeispiel / Application example



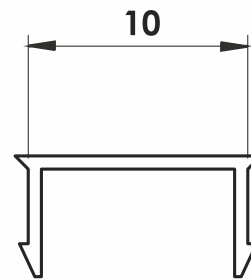
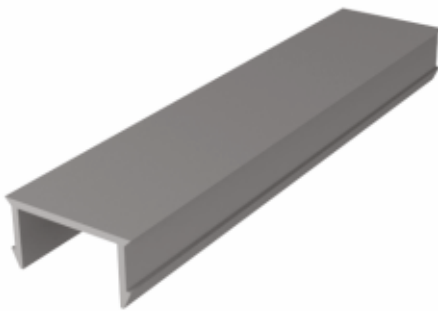
A2080



Material: Gummi 70 shore

Material: Rubber 70 shore

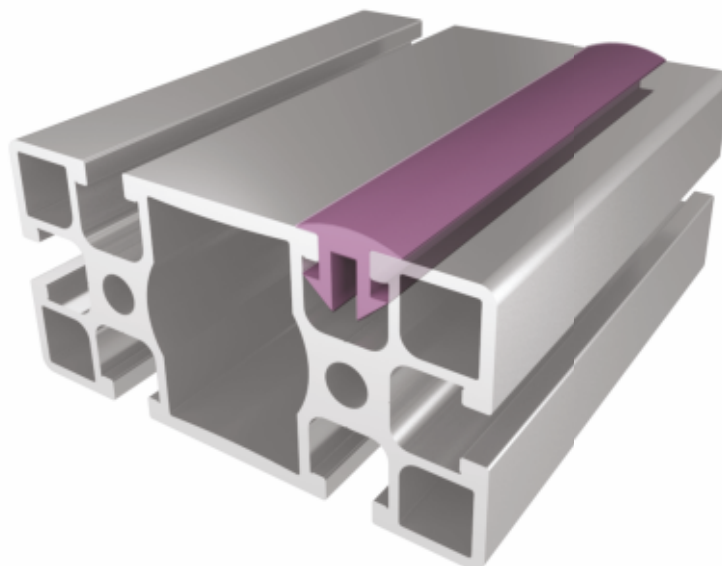
C51001

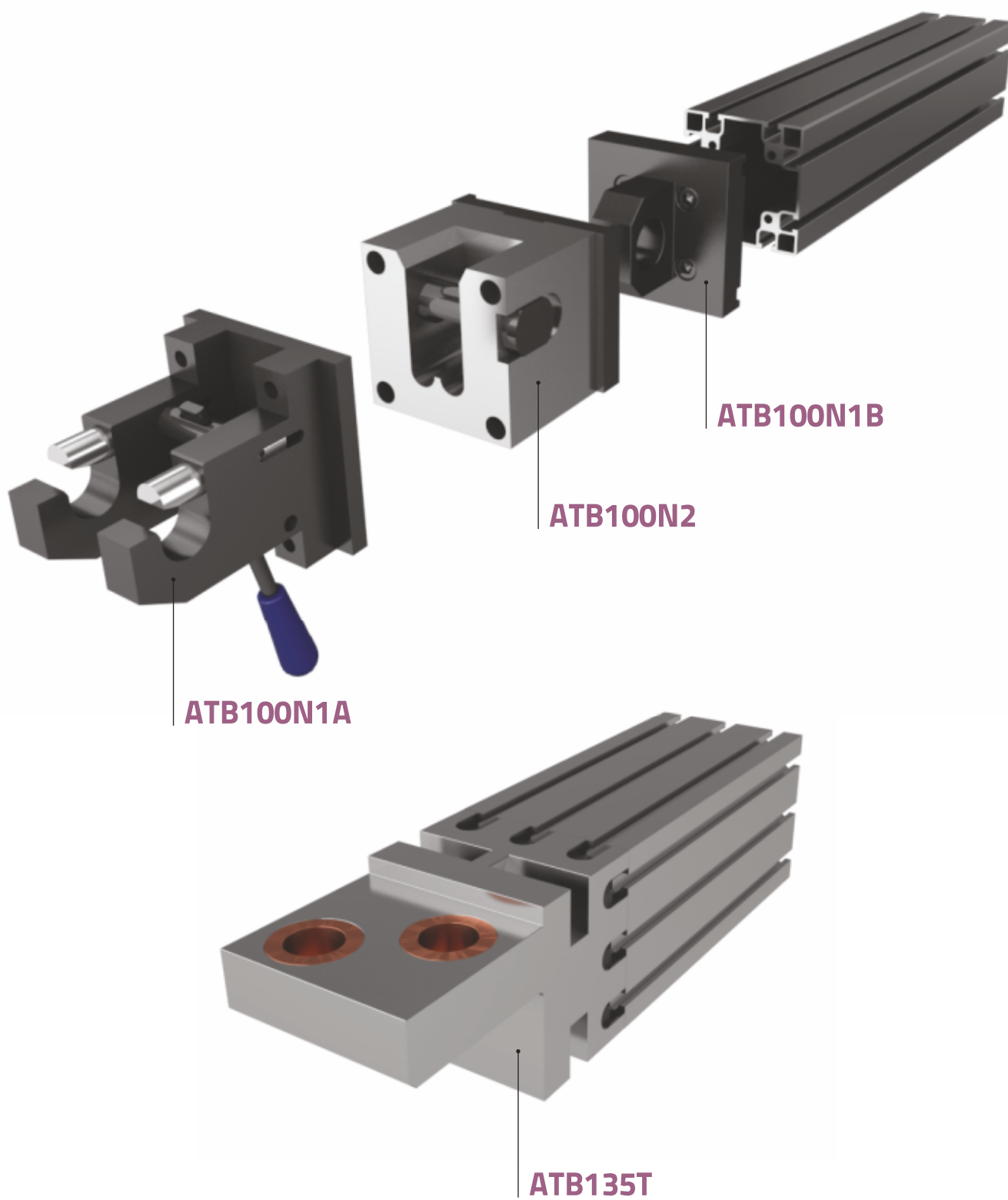


Material: PVC

Material: PVC

Anwendungsbeispiel / Application example





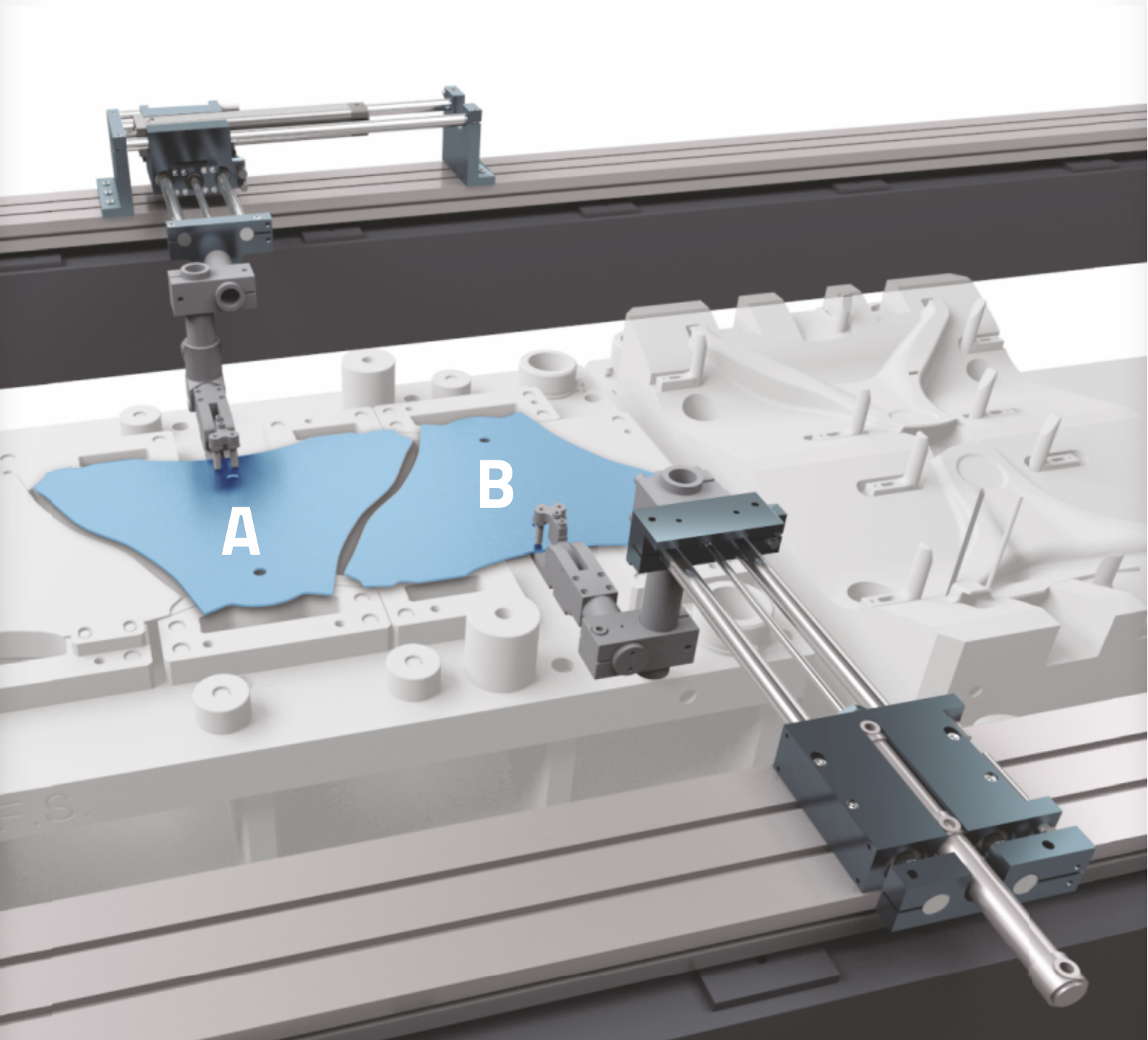
Sonderanwendungen

Special Applications

Transferschritt 660 mm / Transfer's pitch 660 mm



**Produktionsoptimierung
durch Materialreduzierung**
Need to optimize production by
reducing the cut-off material.





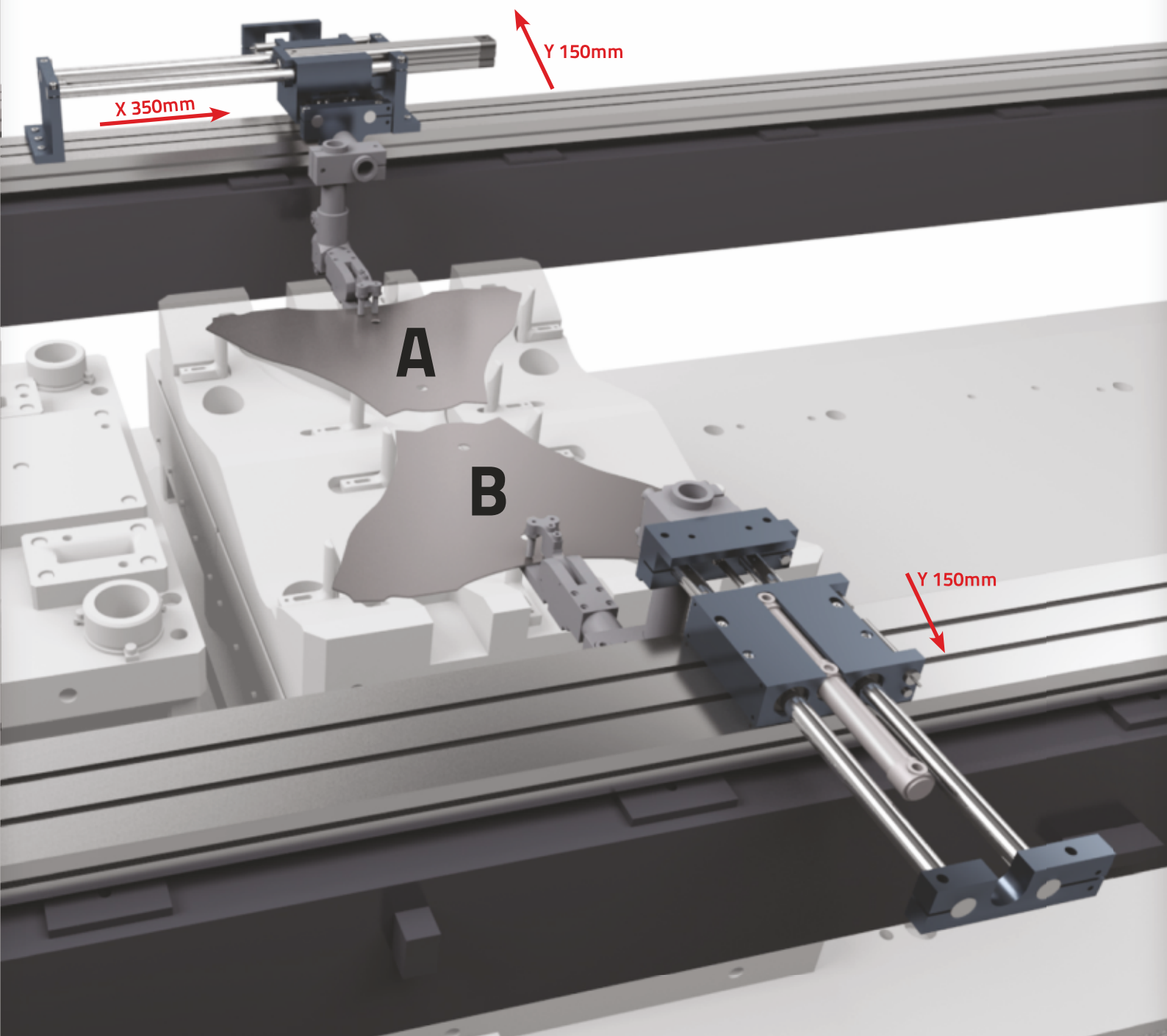
Querverformung anstelle einer Längsverformung und Ausgleich in X- und Y-Richtung des Elements A und in Y-Richtung des Elements B (Op. 20).

Transverse instead of lengthwise deep drawing. X and Y axis compensation of part A and Y axis compensation of part B.



Optimisierung Materialeinsatz mit Kostenreduzierung des Rohmaterials.

Sheet metal employment optimization with further raw material costs savings.



X-Achs Kompensation / X axis Compensation

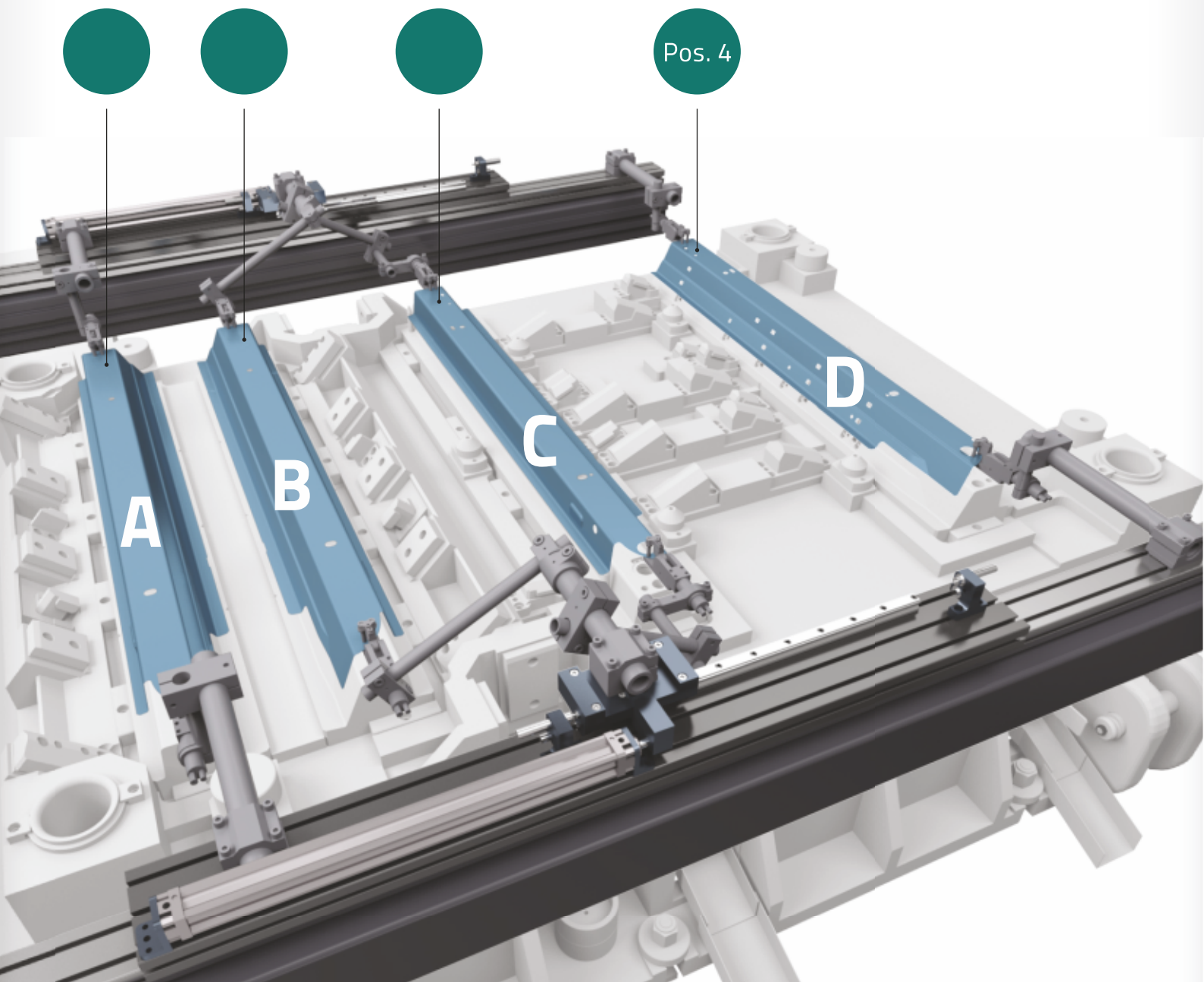
Aufnahmephase / Pickup Phase

Transferschritt 850 mm / Transfer's pitch 850 mm



Der Abstand von Teil A zu Teil B muss erhöht werden, sodass das seitliche Stanzen mit Schiebern in Pos. 3 und 4 möglich wird.

A and B parts must be drifted apart in order to allow the lateral cam drilling from the 3rd and the 4th Position.





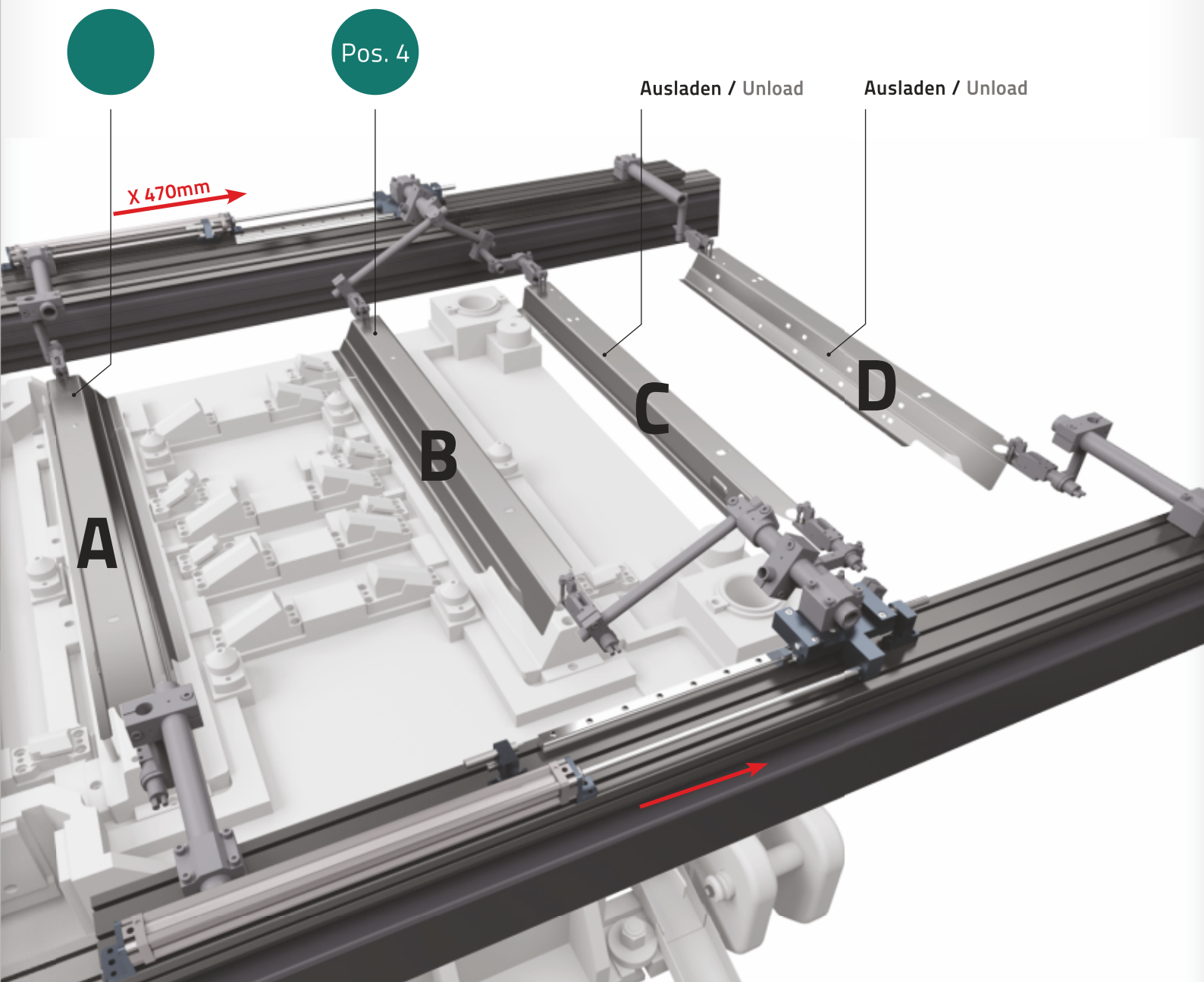
Ausgleichsbewegung in X-Richtung zur Veränderung des Schritts von Element B zusammen mit C, um das Ausladen des Teils über den Werkzeugbereich mit Seitenschiebern hinaus, zu ermöglichen. Eine Lösung, die es uns erlaubt, auch an den Elementen A und B, die einen größeren Abstand haben, zu stanzen.

/ X axis compensation slides for a pitch variation of parts B and C together in order to allow the unload by crossing over the lateral cam drilling on parts A and B placed at an increased centre to centre distance.



Es werden keine Zwischenstationen benötigt und daher die Kosten optimiert.

Intermediate stations are avoided resulting in costs optimization.

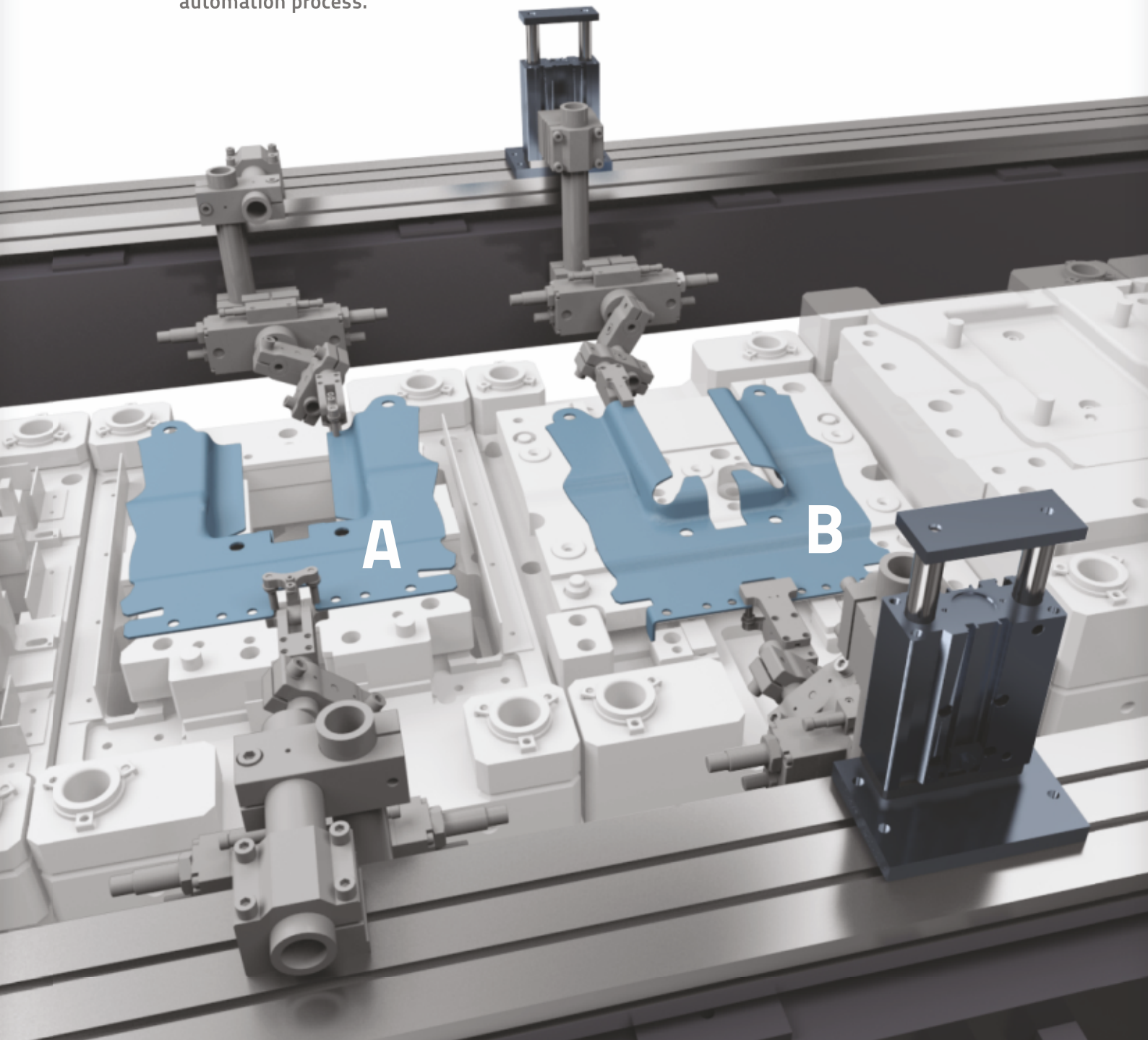


Transferschritt 450 mm / Transfer's pitch 450 mm



Ein Konstruktionsfehler hat dazu geführt, dass die Werkzeuge in Z-Richtung einen Unterschied von 60 mm aufweisen. Daher konnte die Bearbeitung nicht automatisiert werden.

A design error has led to the die manufacturing with a 60 mm difference on Z axis. Such height variation was blocking the automation process.





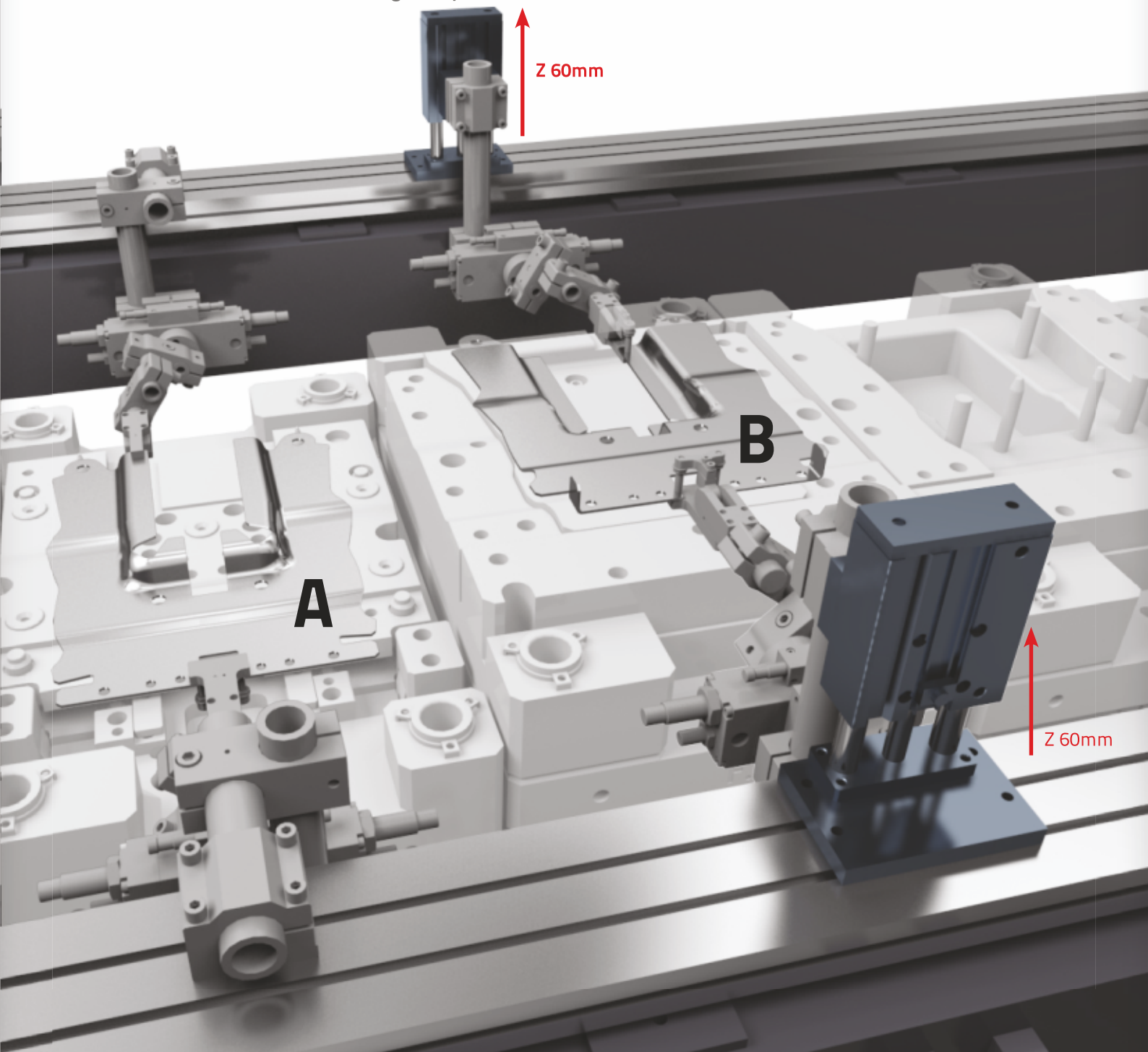
Durch den Einsatz von zwei vertikalen Kompensationsschiebern konnte der Arbeitszyklus durchgeführt werden ohne die Taktzeit zu erhöhen.

The introduction of two vertical compensation slides allowed the cycle to run without reducing the rhythm.



Bemerkenswerte Zeit- und Kostenvorteile durch Vermeidung von Werkzeugänderungen.

Mould machining has been avoided with remarkable time and costs benefits.



Bemerkungen / Notes

Bemerkungen / Notes



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