

# GSA®

















**1** TAŞIMA ELEMANLARI  
LIFTING ELEMENTS  
TRAGELEMENTE














**CE**



## Index

Contents	Page	Contents	Page
 <p><b>C101-02</b> Taşıma Pimleri Lifting Pins Tragschrauben VDI 3366</p>	1.5	 <p><b>C103-04</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung BMW</p>	1.12
 <p><b>C101-04</b> Taşıma Braketleri Lifting Brackets Tragzapfen VDI 3366</p>	1.6	 <p><b>C103-04</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung FORD</p>	1.13
 <p><b>C101-05</b> Emniyet Plakalı Taşıma Braketleri Lifting Brackets with Rope Stop Safety Tragzapfen mit Seilsicherung BMW</p>	1.7	 <p><b>C103-04</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung FCA</p>	1.14
 <p><b>C103-01</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung VDI 3366</p>	1.8	 <p><b>C103-05</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung und Feder nach RENAULT</p>	1.15
 <p><b>C103-01</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung MERCEDES - BENZ</p>	1.9	 <p><b>C103-05</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung und Feder nach PSA</p>	1.16
 <p><b>C103-02</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung und Feder nach FCA</p>	1.10	 <p><b>C103-06</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung OPEL - GM</p>	1.17
 <p><b>C103-03</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung FORD</p>	1.11	 <p><b>C103-07</b> Taşıma Milleri Lifting Pins Ersatztragbolzen für Tragwange FCA</p>	1.18

## Index

Contents	Page	Contents	Page
 <p><b>C103-09</b> Taşıma Milleri Lifting Pins Tragbolzen mit Fallringsicherung und Feder nach VW/AUDI</p>	1.19	 <p><b>C105-05</b> Dişli Taşıma Mapası Threaded Steel Insert Gewindeeinsatz Aus Stahl FCA - FORD</p>	1.26
 <p><b>C104-01</b> Taşıma Milleri için Burçlar Bush for Lifting Pins Stahlbuchsen für Transportwangen VDI - BAK</p>	1.20	 <p><b>C102-01</b> Taşıma Mapaları 8.8 Eye Bolts 8.8 Ringschrauben 8.8</p>	1.27
 <p><b>C105-01</b> Taşıma Braketleri Lifting Brackets with Pins Tragwange mit Tragbolzen nach RENAULT</p>	1.21	 <p><b>C102-02</b> Taşıma Mapaları Eye Bolts Ringschrauben DIN 580</p>	1.28
 <p><b>C105-02</b> Taşıma Braketleri Lifting Brackets with Pins Tragwange mit Tragbolzen nach FCA</p>	1.22	 <p><b>C102-03</b> Döner Taşıma Mapaları H.T. Rotating Eyebolts H.T. Ringschrauben H.T.</p>	1.29
 <p><b>C105-03</b> Taşıma Braketleri Lifting Brackets with Pins Tragwange mit Tragbolzen nach BMW</p>	1.23	 <p><b>C102-04</b> Klempli Döner Taşıma Mapaları Rotating Eyebolts with Clamp Lastbock</p>	1.30
 <p><b>C105-04</b> Taşıma Braketleri Lifting Brackets with Pins Tragwange mit Tragbolzen nach VW/AUDI</p>	1.24	 <p><b>C102-05</b> Halkalı Döner Taşıma Mapaları Rotating Eyebolts with Ring Wirbelbock</p>	1.31
 <p><b>C105-06</b> Taşıma Braketleri Lifting Brackets with Pins Tragwange mit Tragbolzen nach RENAULT</p>	1.25		


 Material :  
 C45E  
 700 ÷ 800 N/mm<sup>2</sup>

**UYARI!**

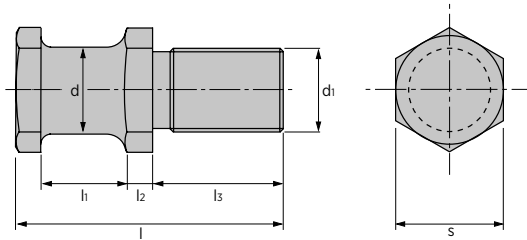
Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**
**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugsgewicht tragen müssen.

**Maximale Nutzlast beachten.**


CODE	Max. Load (kg)	Max. Die Weight (kg)	d ±0,1	d <sub>1</sub>	l ±1	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub> ±0,5	s
C101-02-016-016	250	500	16	M16	58	20	5,5	28	24
C101-02-020-020	500	1000	20	M20	68	22	6,5	34	30
C101-02-025-024	1000	2000	25	M24	78	25	8	38	36
C101-02-032-030	1500	3000	32	M30	95	32	10	45	41
C101-02-040-036	2500	5000	40	M36	118	40	12	56	50



Material :  
C45E  
700 ÷ 800 N/mm<sup>2</sup>



**UYARI!**  
Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

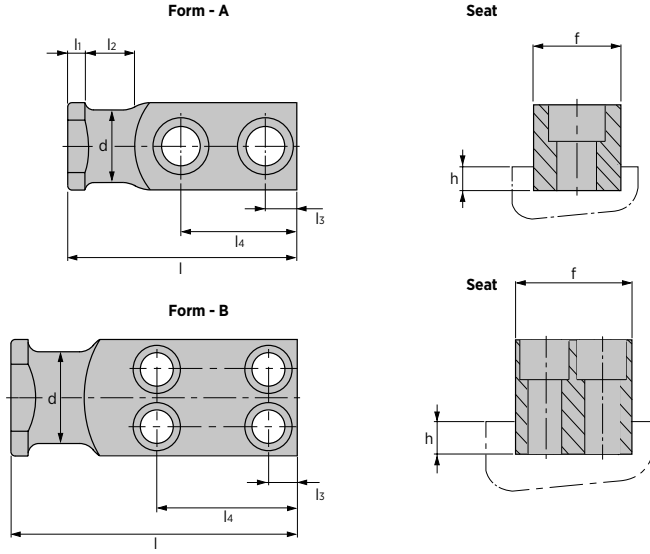
**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**  
For safety reasons, the weight of the tool has to be supported by just two lifting brackets.

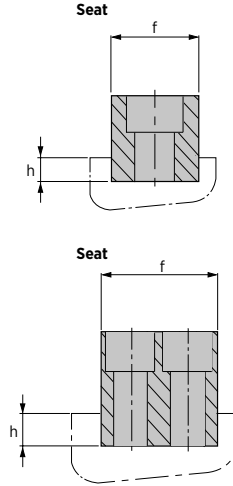
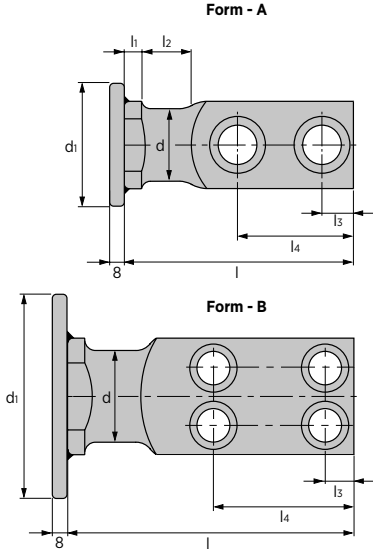
**Respect the max. load.**

**ACHTUNG!**  
Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeuges gewicht tragen müssen.

**Maximale Nutzlast beachten.**



CODE	Max. Load (kg)	Max. Die Weight (kg)	Form	d	l	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	f +1/+0,5	h	DIN EN ISO 4762 - Screw 8.8
C101-04-020-080	320	640	A	16	80	6	20	10	44	20	6	M8x30
C101-04-025-090	630	1260	A	20	90	8	25	10	47	25	8	M10x35
C101-04-035-100	1250	2500	A	25	100	8	30	12	50	35	10	M12x40
C101-04-040-120	2000	4000	A	32	120	10	32	16	62	40	10	M16x55
C101-04-050-140	3200	6400	A	40	140	10	40	18	72	50	12	M20x70
C101-04-060-160	5000	10000	A	50	160	12	45	22	81	60	14	M24x70
C101-04-080-200	8000	16000	B	63	200	12	50	20	98	80	16	M20x100
C101-04-100-250	12500	25000	B	80	250	15	65	25	125	100	18	M24x110
C101-04-120-300	20000	40000	B	100	300	15	80	30	155	120	20	M30x130


 Material :  
 C45E  
 700 ÷ 800 N/mm<sup>2</sup>

**UYARI!**  
 Güvenlik nedeniyle kalıp  
 ağırlığı iki adet taşıma piminin  
 taşıyabileceği maksimum yük  
 miktarını aşmamalıdır.

**Maksimum yükü göz ardı  
 etmeyiniz.**
**WARNING!**  
 For safety reasons, the weight of  
 the tool has to be supported by  
 just two lifting brackets.

**Respect the max. load.**
**ACHTUNG!**  
 Aus Sicherheitsgründen achten  
 Sie immer dass zwei Tragbolzen  
 das gesamte Werkzeugs  
 gewicht tragen müssen.

**Maximale Nutzlast beachten.**

CODE	Max. Load (kg)	Max. Die Weight (kg)	Form	d	d <sub>1</sub>	l	h	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	f +1/ +0,5	h	DIN EN ISO 4762 - Screw 8.8
C101-05-020-080	320	640	A	16	60	80	6	20	10	44	20	6	M8x30
C101-05-025-090	630	1260	A	20	70	90	8	25	10	47	25	8	M10x35
C101-05-035-100	1250	2500	A	25	70	100	8	30	12	50	35	10	M12x40
C101-05-040-120	2000	4000	A	32	110	120	10	32	16	62	40	10	M16x55
C101-05-050-140	3200	6400	A	40	110	140	10	40	18	72	50	12	M20x70
C101-05-060-160	5000	10000	A	50	150	160	12	45	22	81	60	14	M24x70
C101-05-080-200	8000	16000	B	63	150	200	12	50	20	98	80	16	M20x100
C101-05-100-250	12500	25000	B	80	150	250	15	65	25	125	100	18	M24x110
C101-05-120-300	20000	40000	B	100	150	300	15	80	30	155	120	20	M30x130



**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting pins.

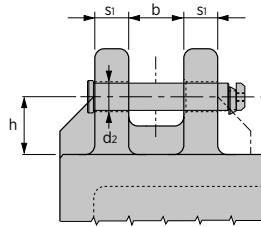
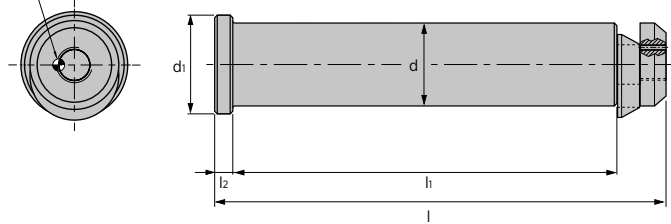
**Respect the max. load.**

**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeuges gewicht tragen müssen.

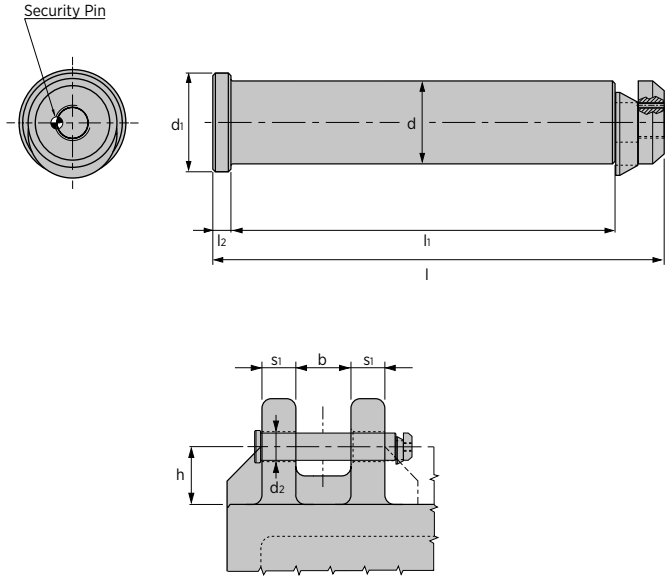
**Maximale Nutzlast beachten.**

Security Pin



CODE	Max. Load (kg)	Max. Die Weight (kg)	d h11	d1	l +1	h +1	l2	d2 +1	h	b	s1	Material
C103-01-032-175	3200	6400	32	40	175	145	10	34	63	60	40	C45E
C103-01-040-225	5000	10000	40	50	225	188	10	42	80	80	50	C45E
C103-01-050-273	8000	16000	50	60	273	230	11	52	100	100	60	C45E
C103-01-063-347	12500	25000	63	75	347	295	14	65	125	120	80	C45E
C103-01-076-422	31500	63000	76	95	422	360	15	78	160	140	100	42CrMo4+QT




 Material:  
 42CrMo4+QT

**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**

**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**

CODE	Max. Load (kg)	Max. Die Weight (kg)	d h11	d1	l +1	l1 +1	l2	d2 +1	h	b	s1
C103-01-032-017	3200	6400	32	40	175	145	10	34	63	60	40
C103-01-040-022	5000	10000	40	50	225	188	10	42	80	80	50
C103-01-050-027	8000	16000	50	60	273	230	11	52	100	100	60
C103-01-063-034	12500	25000	63	75	347	295	14	65	125	120	80
C103-01-076-042	31500	63000	76	95	422	360	15	78	160	140	100



Material :  
42CrMo4+QT



- \* Sadece değişim için
- \* Only for replacement
- \* Nur für Reparatur

### UYARI!

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

### WARNING!

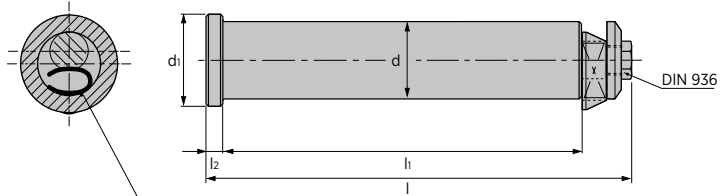
For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**

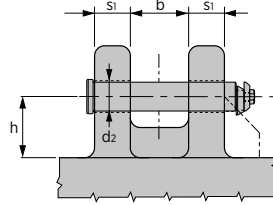
### ACHTUNG!

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeuges gewicht tragen müssen.

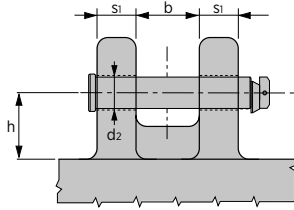
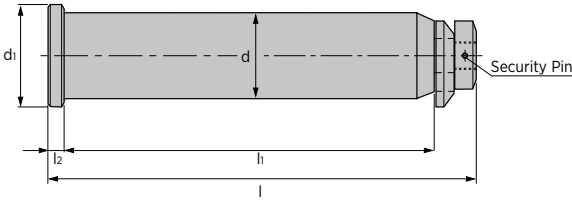
**Maximale Nutzlast beachten.**



The part is supplied complete of polypropylene spring



CODE	Max. Load (kg)	Max. Die Weight (kg)	d h11	d1	l	h	l2	d2	h	b	s1
C103-02-029-150	4000	8000	29	38	178,5	150	6	30	60	60	40
C103-02-033-170	7000	14000	33	43	200,5	170	6	35	65	60	50
C103-02-043-195	10000	20000	43	53	233	195	8	45	85	80	50
*C103-02-053-235	16000	32000	53	65	282	235	10	55	105	100	60
C103-02-053-180	16000	32000	53	65	227	180	10	55	75	65	50
C103-02-063-215	26000	52000	63	78	272,5	215	12	65	100	80	60
*C103-02-063-295	25000	50000	63	78	352,5	295	12	65	130	120	80
*C103-02-078-355	40000	80000	78	95	421,5	355	14	81	150	140	100


 Material :  
 42CrMo4+QT

**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**
**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**

CODE	Max. Load (kg)	Max. Die Weight (kg)	d -0,3	d <sub>1</sub>	l ±1	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	h min.	b	s <sub>1</sub>
C103-03-035-125	1500	3000	35	45	165	125	10	37	60	50	30
C103-03-050-190	5500	10050	50	63	230	190	10	52	130	70	50
C103-03-063-280	23000	45500	63	76	320	280	10	65	145	100	80
C103-03-080-320	30000	60000	80	89	370	320	15	82	145	100	100


 Material :  
 C45E

**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

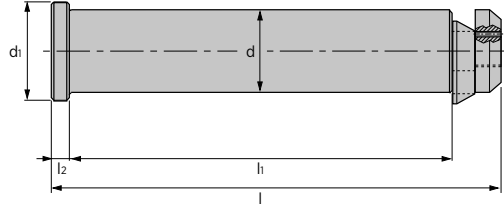
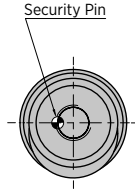
For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**

**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**



CODE	Max. Load (kg)	Max. Die Weight (kg)	d h1	d <sub>1</sub>	l +1	h	l <sub>2</sub>
C103-04-030-158	3200	6400	30	40	158	129	10
C103-04-040-187	5000	10000	40	50	187	155	10
C103-04-050-220	8000	16000	50	60	220	180	11
C103-04-060-246	12500	25000	60	70	246	205	11
C103-04-080-305	18000	36000	80	90	305	205	12


 Material :  
 42CrMo4+QT

**UYARI!!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

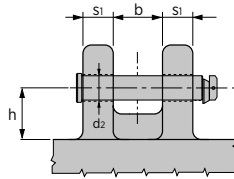
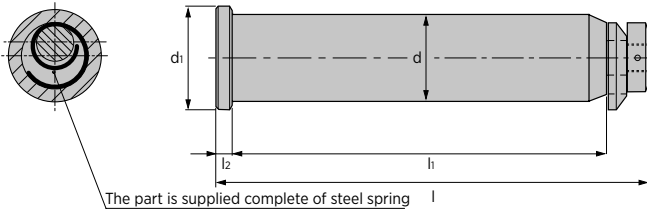
For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**

**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeuges gewicht tragen müssen.

**Maximale Nutzlast beachten.**



CODE	Max. Load (kg)	Max. Die Weight (kg)	d -0,3	d <sub>1</sub>	l	l <sub>i</sub>	l <sub>z</sub>	d <sub>2</sub>	h min.	b	s <sub>1</sub>
C103-04-050-190	5500	10050	50	63	230	190	10	52	130	70	50
C103-04-063-280	23000	45500	63	76	320	280	10	65	145	100	80
C103-04-080-320	30000	60000	80	89	370	320	15	82	145	100	100



Material :  
42CrMo4+QT



**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

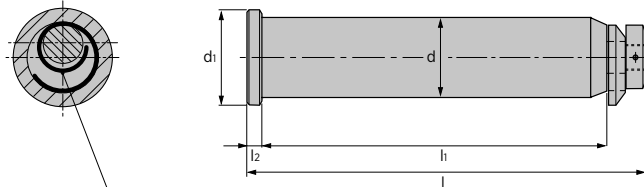
For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**

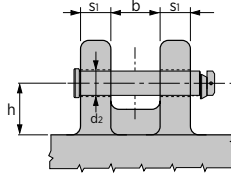
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**



The part is supplied complete of steel spring



CODE	Max. Load (kg)	Max. Die Weight (kg)	d -0,3	d <sub>1</sub>	l	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	h min.	b	s <sub>1</sub>
C103-04-050-019	10000	20000	50	63	230	190	10	52	70	85	50
C103-04-063-028	20000	40000	63	76	320	280	10	65	100	110	80
C103-04-080-032	40000	80000	80	89	375	320	15	82	105	110	100


 Material :  
 ST52

**UYARI!**

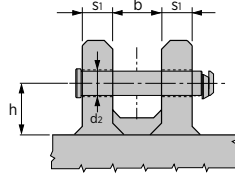
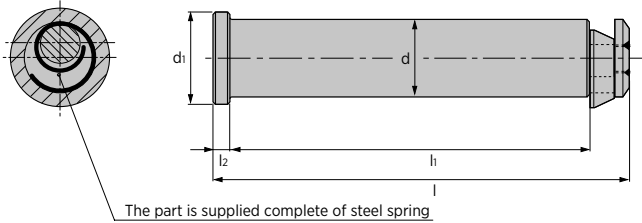
Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**
**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugsgewicht tragen müssen.

**Maximale Nutzlast beachten.**


CODE	Max. Load (kg)	Max. Die Weight (kg)	d h11	d1	l ±1	l1	l2	d2 +0,5	h	b	s1
C103-05-032-013	6000	12000	32	40	154	132	6	34	55	50	37,5
C103-05-040-017	9000	18000	40	50	197,5	170	8	42	70	65	47,5
C103-05-050-021	14000	28000	50	63	247,5	212	10	52	90	80	60
C103-05-063-026	22500	45000	63	80	309	265	12	65	100	100	75



Material :  
C45E



**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

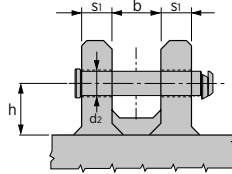
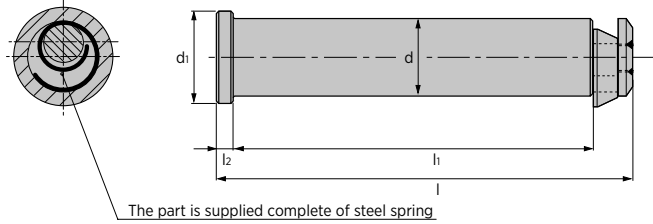
For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**

**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**



CODE	Max. Load (kg)	Max. Die Weight (kg)	d h11	d1	l ±1	h	l2	d2 +0,5	h	b	s1
C103-05-032-132	6000	12000	32	40	154	132	6	34	55	50	37,5
C103-05-040-170	9000	18000	40	50	197,5	170	8	42	70	65	47,5
C103-05-050-212	14000	28000	50	63	247,5	212	10	52	90	80	60
C103-05-063-265	22500	45000	63	80	309	265	12	65	100	100	75




 Material :  
 42CrMo4+QT

**UYARI!**

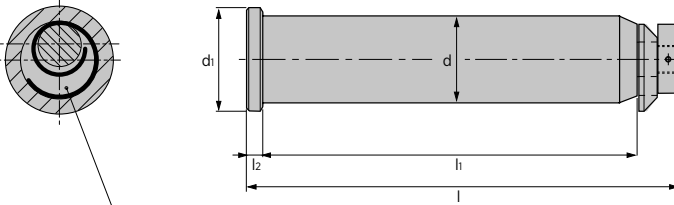
Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**
**WARNING!**

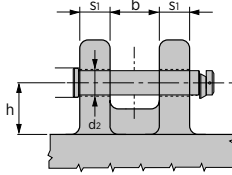
For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**


The part is supplied complete of steel spring



CODE	Max. Load (kg)	Max. Die Weight (kg)	d -0,2	d <sub>1</sub>	l +1	h +1	l <sub>2</sub>	d <sub>2</sub>	h	b	s <sub>1</sub>
C103-06-032-155	3400	6800	32	40	177	155	5	34	65	70	40
C103-06-040-188	5650	11300	40	50	220	188	7	42	85	80	50
C103-06-050-230	8950	17900	50	60	270	230	9	52	100	100	60
C103-06-063-295	14350	28700	63	75	342	295	16	65	125	120	80
C103-06-080-335	26700	53400	80	89	387	335	16	82	160	120	100


 Material :  
 C45E

**UYARI!**

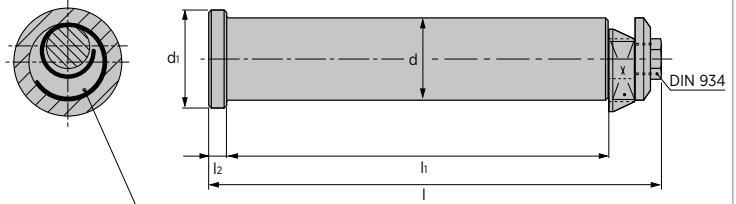
Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**
**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting pins.

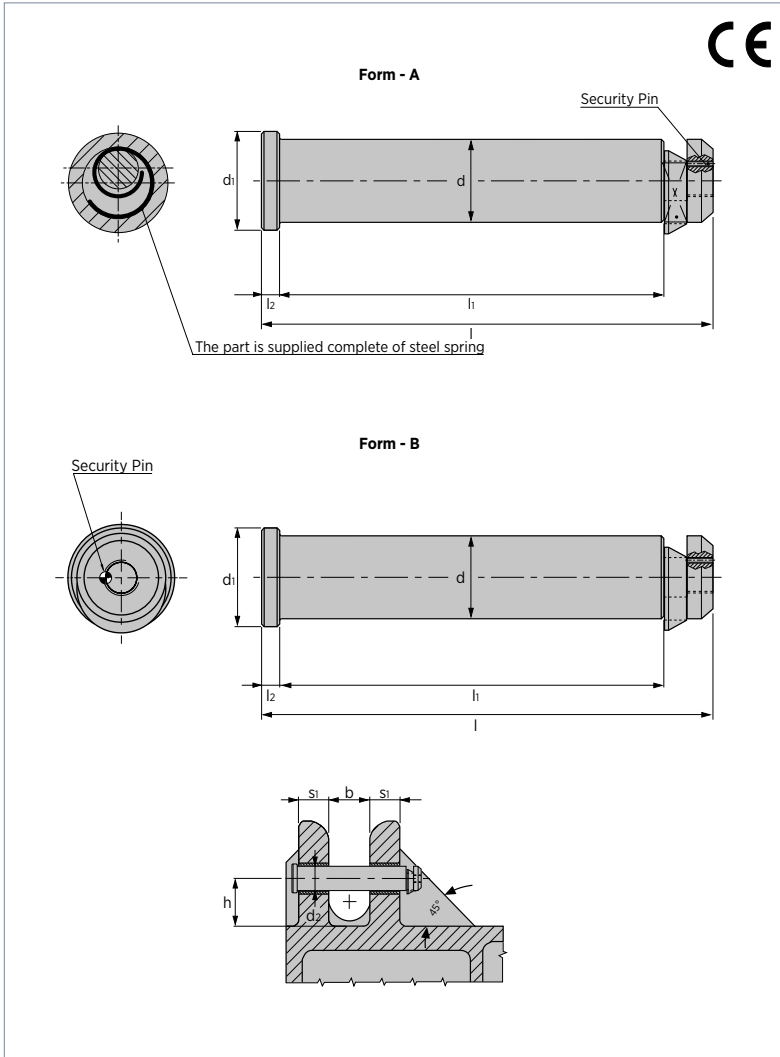
**Respect the max. load.**
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**


The part is supplied complete of polypropylene spring

CODE	Max. Load (kg)	Max. Die Weight (kg)	d h11	d <sub>1</sub>	l	h	l <sub>2</sub>
C103-07-00600	600	1200	15,6	25	102,5	77	6
C103-07-01000	1000	2000	20,6	30	113,5	86	6
C103-07-02000	2000	4000	25,6	35	128,5	100	6
C103-07-04000	4000	8000	33	43	166,5	135	6
C103-07-07000	7000	14000	43	53	210,5	175	8


**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma piminin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**
**WARNING!**

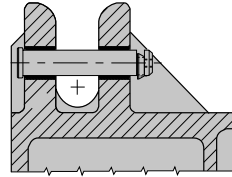
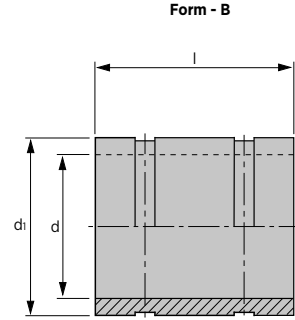
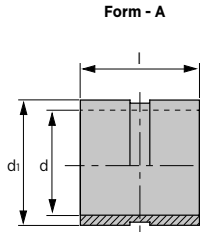
For safety reasons, the weight of the tool has to be supported by just two lifting pins.

**Respect the max. load.**
**ACHTUNG!**

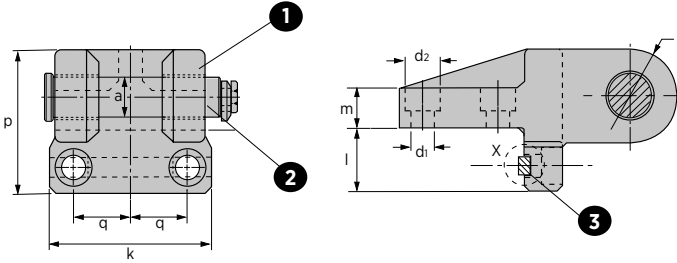
Aus Sicherheitsgründen achten Sie immer dass zwei Tragbolzen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**

CODE	Max. Load (kg)	Max. Die Weight (kg)	Form	d h11	d1	l	l1	l2	d2	h	b	s1	Material
* C103-09-032-175	3200	6400	A	32	40	175	145	10	34	63	60	40	C45E
* C103-09-040-225	5000	10000	A	40	50	225	188	10	42	80	80	50	C45E
* C103-09-050-273	8000	16000	A	50	60	273	230	11	52	100	100	60	C45E
* C103-09-063-347	12500	25000	A	63	75	347	295	14	65	125	120	80	C45E
* C103-09-076-422	31500	63000	A	76	95	422	360	15	78	160	140	100	42CrMo4+QT
C103-09-050-221	8000	16000	B	50	60	221	182	11	-	-	-	-	C45E
C103-09-063-277	12500	25000	B	63	75	277	225	14	-	-	-	-	C45E


 Material :  
 St35


CODE	Form	d	d <sub>1</sub>	l
C104-01-034-040	A	34	44	40
C104-01-042-050	A	42	52	50
C104-01-052-060	A	52	62	60
C104-01-065-080	A	65	75	80
C104-01-078-1001	B	78	100	100
C104-01-078-1002	B	78	105	100


**1** Material: C45E

 $800 \div 1000 \text{ N/mm}^2$ 
**2** C103-05

**3** KEY DIN 6885

Screws not included.

**UYARI!**

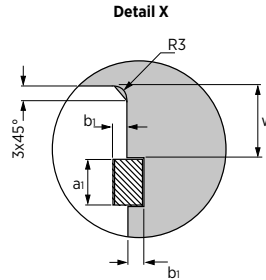
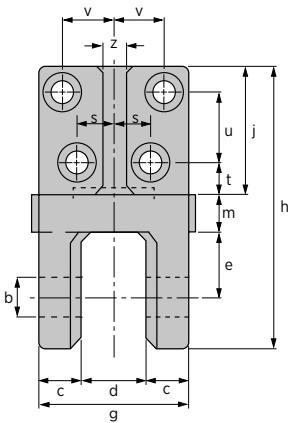
Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma braketinin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**
**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting brackets.

**Respect the max. load.**
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragwagen das gesamte Werkzeugs gewicht tragen müssen.

**Maximale Nutzlast beachten.**


CODE	Max. Load (kg)	Max. Die Weight (kg)	a	b H13	c	d	d <sub>1</sub> H13	d <sub>2</sub> H13	e	g	h	j
C105-01-04000	4000	8000	32	33	35	55	18	28	55	125	221	100
C105-01-06300	6300	12600	40	41	50	60	22	36	60	160	270	125

CODE	k	l	m	p	q	r	s	t	u	v	w	z	a <sub>1</sub> E9	b <sub>1</sub> +0,1
C105-01-04000	135	50	30	111	48	36	28	20	60	42	24	20	14	4,5
C105-01-06300	180	60	40	140	65	45	40	30	70	55	27	25	16	5



1 Material: C45E



800 ÷ 1000 N/mm<sup>2</sup>

2 C103-07

Screws not included.

**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma braketinin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

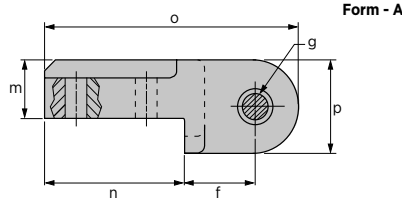
For safety reasons, the weight of the tool has to be supported by just two lifting brackets.

Respect the max. load.

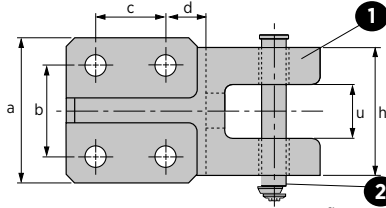
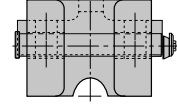
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragwangen das gesamte Werkzeugsgewicht tragen müssen.

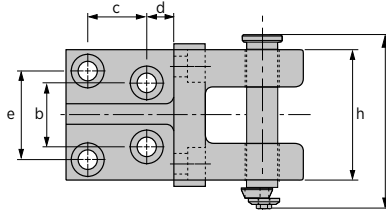
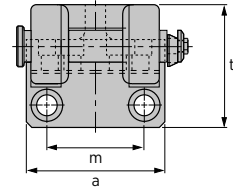
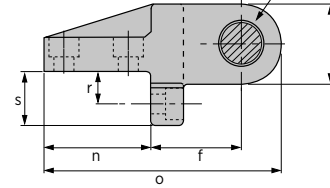
Maximale Nutzlast beachten.



Form - A

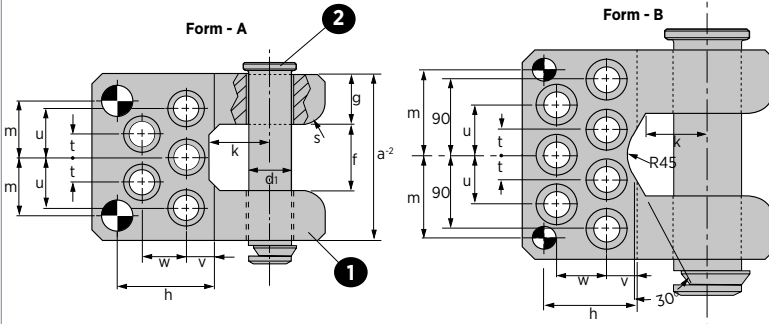
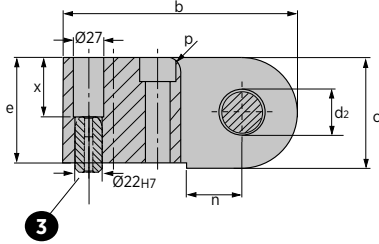


Form - B



CODE	Max. Load (kg)	Max. Die Weight (kg)	Form	a	b	c	d	e	f
C105-02-00600	600	1200	A	80	50	40	22,5	-	39
C105-02-01000	1000	2000	A	90	60	40	27,5	-	42
C105-02-02000	2000	4000	A	100	65	65	32,5	-	60
C105-02-04000	4000	8000	B	135	56	60	20	84	85
C105-02-07000	7000	14000	B	180	80	70	30	110	100

CODE	g	h	l	m	n	o	p	r	s	t	u
C105-02-00600	16	70	102,5	32	80	145	52	-	-	-	30
C105-02-01000	21	79	113,5	36	90	160	56	-	-	-	35
C105-02-02000	26	90	128,5	50	120	215	70	-	-	-	40
C105-02-04000	34	125	166,5	96	100	221	72	30	50	111	55
C105-02-07000	44	160	210,5	130	125	270	90	35	60	140	60



- 1** Material: St52
- 2** C103-04
- 3** Locating Pin  
M303-02-022045 (x2)



Screws not included.

**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma braketinin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting brackets.

Respect the max. load.

**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragwangen das gesamte Werkzeugsgewicht tragen müssen.

Maximale Nutzlast beachten.

CODE	Max. Load (kg)	Max. Die Weight (kg)	Form	a	b	c	d <sub>1</sub>	d <sub>2</sub>	e	f	g
C105-03-06400	3200	6400	A	126	185	80	30	32	75	50	38
C105-03-10000	5000	10000	A	150	210	100	40	42	95	60	45
C105-03-16000	8000	16000	A	175	240	120	50	52	115	75	50
C105-03-25000	12500	25000	A	200	300	140	60	62	130	80	60
C105-03-36000	18000	36000	B	250	300	160	80	82	150	100	75

CODE	h ±0,02	k	m	n	p	s	t	u	v	w	x	Civata
C105-03-06400	85	50	45	40	12	16	20	40	30	35	40	M16x80
C105-03-10000	87	55	52	50	12	20	22,5	45	25	40	60	M20x100
C105-03-16000	95	70	62,5	60	16	24	25	50	35	45	80	M24x120
C105-03-25000	145	80	77,5	65	20	30	35	65	60	65	95	M36x160
C105-03-36000	105	95	100	90	20	30	30	60	30	60	115	M30x160



- 1 Material: St52
- 2 C103-09
- 3 Locating Pin  
M303-02-022045 (x2)



### UYARI!

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma braketinin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

### WARNING!

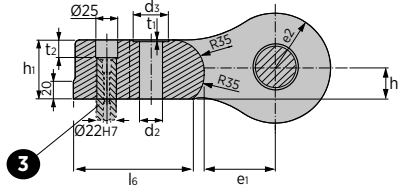
For safety reasons, the weight of the tool has to be supported by just two lifting brackets.

**Respect the max. load.**

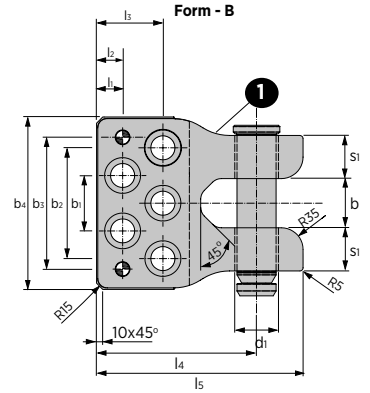
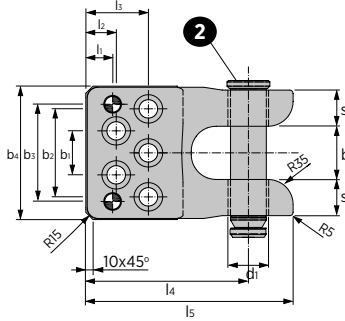
### ACHTUNG!

Aus Sicherheitsgründen achten Sie immer dass zwei Tragwagen das gesamte Werkzeuges gewicht tragen müssen.

**Maximale Nutzlast beachten.**



Form - A



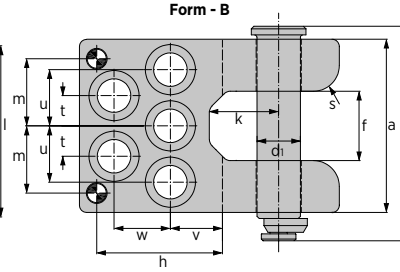
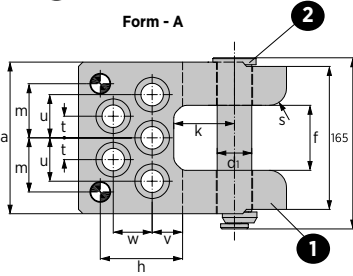
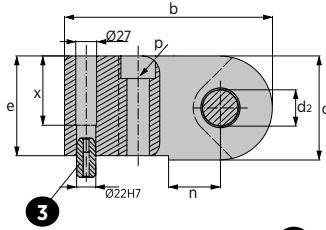
Form - B



CODE	Max. Load (kg)	Max. Die Weight (kg)	Form	b	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	e <sub>1</sub>	e <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>
C105-04-08000	8000	16000	A	75	62	124	137	188	52	26	40	80	62,5	67	35
C105-04-12500	12500	25000	B	80	90	180	214	280	65	39	58	90	75	91	47

CODE	h <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	s <sub>1</sub>	t <sub>1</sub>	t <sub>2</sub>
C105-04-08000	37,5	42,5	87,5	227,5	290	135	51	2	20
C105-04-12500	42	-	107	258	333	150	70	7	46





- 1 Material: St52
- 2 C103-04
- 3 Locating Pin  
M303-02-022045 (x2)



Screws not included.

**UYARI!**

Güvenlik nedeniyle kalıp ağırlığı iki adet taşıma braketinin taşıyabileceği maksimum yük miktarını aşmamalıdır.

**Maksimum yükü göz ardı etmeyiniz.**

**WARNING!**

For safety reasons, the weight of the tool has to be supported by just two lifting brackets.

Respect the max. load.

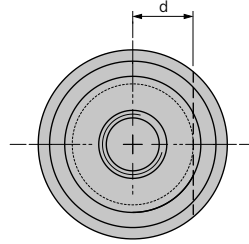
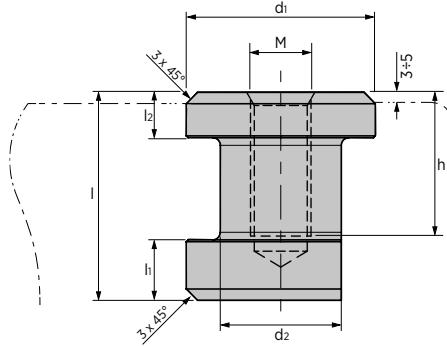
**ACHTUNG!**

Aus Sicherheitsgründen achten Sie immer dass zwei Tragwagen das gesamte Werkzeuges gewicht tragen müssen.

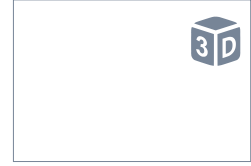
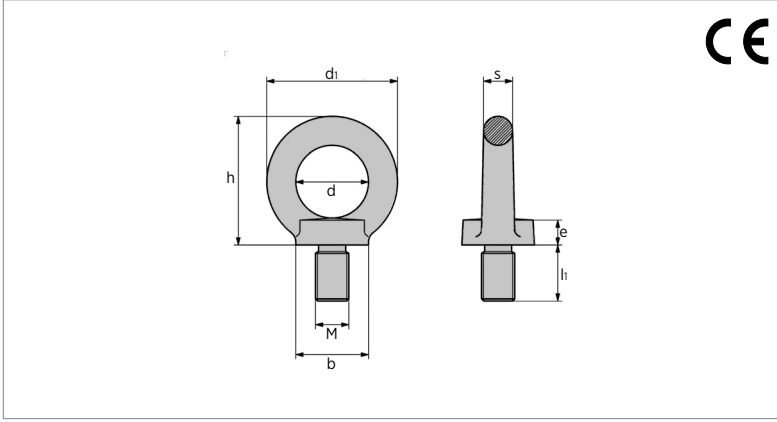
**Maximale Nutzlast beachten.**

CODE	Max. Load (kg)	Max. Die Weight (kg)	Form	a	b	c	d <sub>1</sub>	d <sub>2</sub>	e	f
C105-06-08000	8000	16000	A	175	240	120	40	42	115	75
C105-06-12500	12500	25000	B	200	300	140	50	52	130	80

CODE	h ±0,02	k	m	n	p	s	t	u	v	w	x	Civata
C105-06-08000	95	70	62,5	60	20	24	25	50	35	45	80	M24x120
C105-06-12500	145	80	77,5	65	20	30	35	65	60	65	95	M36x160


 Material :  
 42CrMo4+QT


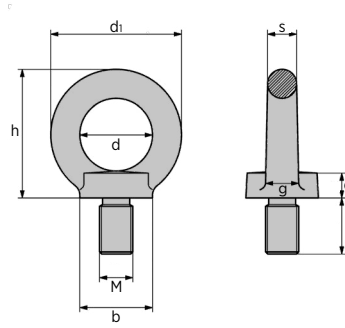
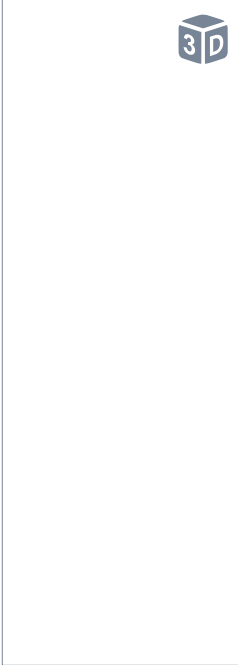
CODE	Max. load 1 point (kg)	Max. load 2÷4 point (kg)	M	d	d <sub>1</sub>	d <sub>2</sub>	l	h	l <sub>2</sub>	h
C105-05-055-1642	1000	2000	M16	16	50	32	55	16	12	42
C105-05-065-2047	2100	4200	M20	18	65	36	65	16	12	47
C105-05-075-2257	2800	5600	M22	20	65	40	75	16	12	57
C105-05-075-2457	3000	6000	M24	20	65	40	75	16	12	57
C105-05-090-3067	5000	10000	M30	30	85	60	90	20	20	67
C105-05-100-3677	6500	13000	M36	40	107	80	100	22	22	77
C105-05-130-4295	7200	14400	M42	40	107	80	130	25	25	95
C105-05-150-48110	8000	16000	M48	40	107	80	150	30	30	110



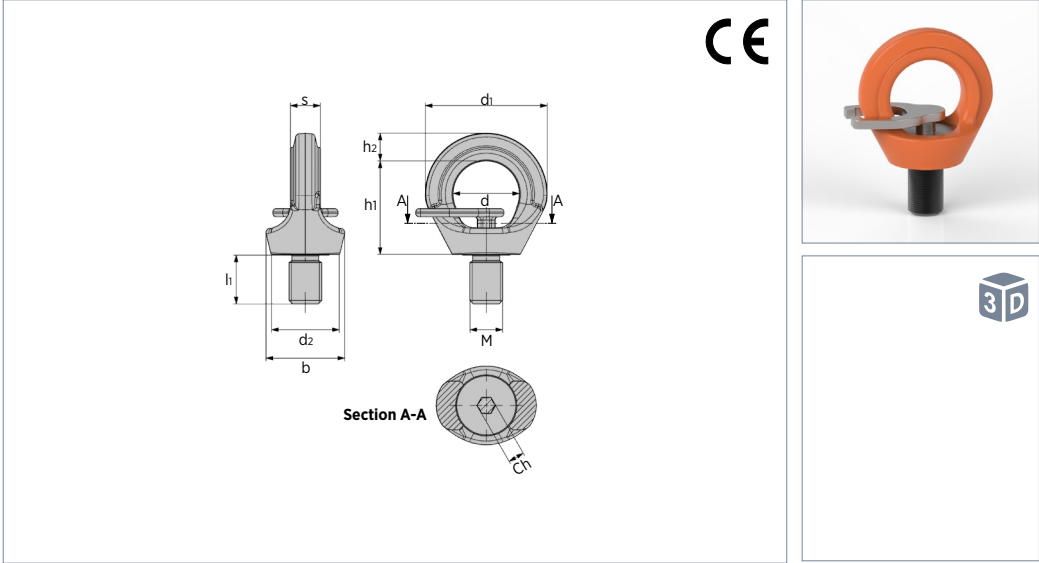
CODE	Mxh	d	d <sub>1</sub>	h	b	e	s	Weight (kg)
C102-01-045-006	M6x13	25	45	45	25	10	10	0,090
C102-01-045-008	M8x13	25	45	45	25	10	10	0,090
C102-01-045-010	M10x17	25	45	45	25	10	10	0,110
C102-01-063-012	M12x21	35	63	62	35	14	14	0,270
C102-01-063-014	M14x21	35	63	62	35	14	14	0,290
C102-01-063-016	M16x27	35	63	62	35	14	14	0,310
C102-01-090-020	M20x30	50	90	90	50	20	20	0,860
C102-01-090-024	M24x36	50	90	90	50	20	20	0,900
C102-01-108-030	M30x45	60	108	109	65	24	24	1,700
C102-01-126-036	M36x54	70	126	128	75	26	28	2,150



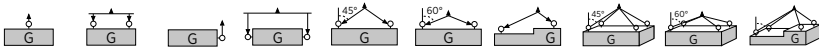
Mxh	0° Single Leg	0° 2 Legs	0° - 45° 2 Legs	45° - 60° 2 Legs	0° - 45° 3/4 Legs	45° - 60° 3/4 Legs	Max. Tightening Couple (Nm)
M6x13	0,4	0,8	0,14	0,1	0,2	0,14	3,5
M8x13	0,8	1,6	0,28	0,2	0,4	0,28	8
M10x17	1	2	0,35	0,25	0,5	0,35	16
M12x21	1,6	3,2	0,56	0,4	0,8	0,56	28
M14x21	3	6	1	0,75	1,5	1	45
M16x27	4	8	1,4	1	2	1,4	70
M20x30	6	12	2,1	1,5	3	2,1	135
M24x36	8	16	2,8	2	4	2,8	230
M30x45	12	24	4,2	3	6	4,2	465
M36x54	16	32	5,6	3,9	7,8	5,4	814



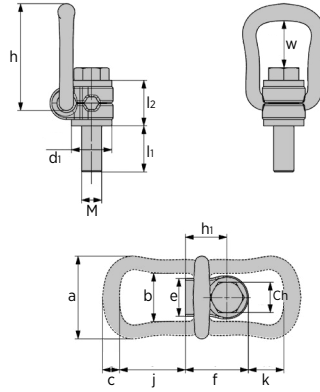
CODE	Mxh	d	d <sub>1</sub>	h	b	e	s	g	Working Load Limit W.L.L. (t)			Max. Tightening Couple (Nm)	Weight (kg)
									⊥	45° ∧	90° └		
C102-02-036-006	M6x13	20	36	36	20	6	8	10	75	55	38	3,5	0,060
C102-02-036-008	M8x13	20	36	36	20	6	8	10	140	100	70	8	0,060
C102-02-045-010	M10x17	25	45	45	25	8	10	12	230	170	115	16	0,110
C102-02-054-012	M12x20,5	30	54	53	30	10	12	14	340	240	170	28	0,180
C102-02-063-014	M14x27	35	63	62	35	12	14	16	490	350	245	45	0,270
C102-02-063-016	M16x27	35	63	62	35	12	14	16	700	500	350	70	0,280
C102-02-072-020	M20x30	40	72	71	40	14	16	19	1200	860	600	135	0,450
C102-02-090-024	M24x36	50	90	90	50	18	20	24	1800	1290	900	230	0,740
C102-02-108-030	M30x45	60	108	109	65	22	24	28	3200	2300	1600	465	1,660
C102-02-126-036	M36x54	70	126	128	75	26	28	32	4600	3300	2300	814	2,650



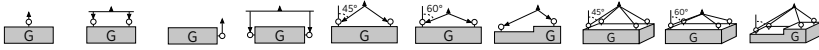
CODE	MxH	Working Load Limit W.L.L. (t)	d	d <sub>1</sub>	d <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	b	s	Ch	Weight (kg)
C102-03-046-008	M8x12	0,3	25	46	25,5	33,7	10	30	9,8	6	0,120
C102-03-046-010	M10x15	0,4	25	46	25,5	33,7	10	30	9,8	6	0,120
C102-03-0555-012	M12x18	0,75	30	55,5	30,6	41,5	12,5	36,5	11,5	8	0,200
C102-03-0645-016	M16x24	1,5	35	64,5	36,5	49,5	14,5	42	15,7	10	0,350
C102-03-0745-020	M20x30	2,3	40	74,5	42	58	16	52,5	18	12	0,600
C102-03-090-024	M24x36	3,2	49	90	50	69	20,5	61	22	12	1,000
C102-03-111-030	M30x45	4,5	60	111	66	86	25,5	75	28	17	2,000
C102-03-135-036	M36x55	7	74	135	77	105	32	96,5	30	22	3,400



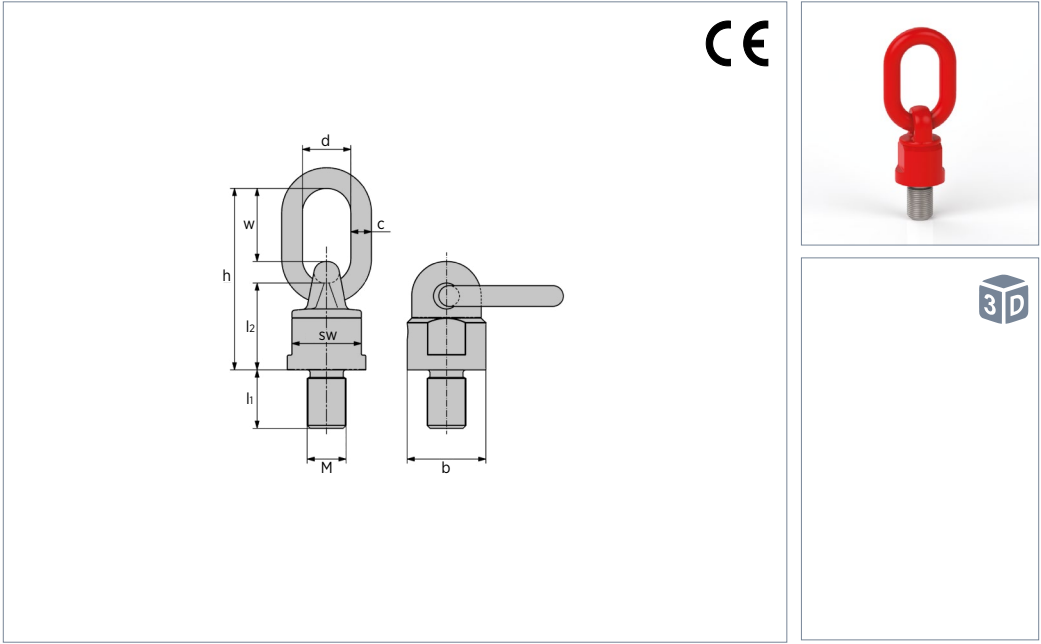
MxH	0°		90°		0° - 45°		45° - 60°		Asymm		Max. Tightening Couple (Nm)
	Single Leg	2 Legs	Single Leg	2 Legs	2 Legs		3/4 Legs		Asymm		
M8x12	1	2	0,3	0,6	0,42	0,3	0,3	0,63	0,45	0,3	8
M10x15	1	2	0,4	0,8	0,56	0,4	0,4	0,84	0,6	0,4	16
M12x18	2	4	0,75	1,5	1	0,75	0,75	1,6	1,12	0,75	25
M16x24	4	8	1,5	3	2	1,5	1,5	3,15	2,25	1,5	60
M20x30	6	12	2,3	4,6	3,22	2,3	2,3	4,83	3,45	2,3	110
M24x36	8	16	3,2	6,4	4,48	3,2	3,2	6,7	4,8	3,2	195
M30x45	12	24	4,5	9	6,3	4,5	4,5	9,4	6,7	4,5	320
M36x55	16	32	7	14	9,8	7	7	14,7	10,5	7	585



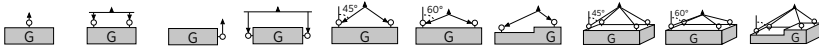
CODE	Mxh	Working Load Limit W.L.L (t)	d <sub>1</sub>	h	h <sub>1</sub>	h <sub>2</sub>	l <sub>2</sub>	a	b	c	e	f	w	j	k	Ch	Weight (kg)
C102-04-078-008	M8x15	0,3	25	78	26,5	15	30	57	34	10	24	41	43	51	35	13	0,275
C102-04-078-010	M10x15	0,63	25	78	26,5	15	30	57	34	10	24	41	42	51	35	17	0,290
C102-04-085-012	M12x23	1	32	85	33	23	36	66	38	13,5	30	50	40	52	28	19	0,500
C102-04-085-016	M16x24	1,5	32	85	33	24	36	66	38	13,5	30	50	38	52	28	24	0,510
C102-04-111-020	M20x31	2,5	45	111	42,5	31	44	87	55	16	48	68	54	71	36	30	1,250
C102-04-111-024	M24x37	4	45	111	42,5	37	44	87	55	16	48	68	51	71	36	36	1,300
C102-04-145-030	M30x45	5	60	145	58,5	45	65	109	66	22,5	54	91	62	86	47	46	3,250
C102-04-190-036	M36x59	8	70	190	72,5	59	81	136	78	28	62	108	88	115	74	55	5,900



Mxh	0°	0°	90°	90°	0° - 45°	45° - 60°	Asimm	0° - 45°	45° - 60°	Asimm	Max. Tightening Couple (Nm)
	Single Leg	2 Legs	Single Leg	2 Legs	2 Legs			3/4 Legs			
M8x15	0,3	0,6	0,3	0,6	0,42	0,3	0,3	0,63	0,45	0,3	30
M10x15	0,63	1,26	0,63	1,26	0,88	0,63	0,63	1,32	0,95	0,63	60
M12x23	1	2	1	2	1,4	1	1	2,1	1,5	1	100
M16x24	1,5	3	1,5	3	2,1	1,5	1,5	3,15	2,25	1,5	150
M20x31	2,5	5	2,5	5	3,5	2,5	2,5	5,25	3,75	2,5	250
M24x37	4	8	4	8	5,6	4	4	8,4	6	4	400
M30x45	5	10	5	10	7	5	5	10,5	7,5	5	500
M36x59	8	16	8	16	11,2	8	8	16,8	12	8	800



CODE	Mxh	Working Load Limit W.L.L. (t)	d	h	l <sub>2</sub>	b	c	w	sw	Weight (kg)
C102-05-105-0816	M8x16	0,3	30	105	50	38	13	46	30	0,480
C102-05-105-1018	M10x18	0,3	30	105	50	38	13	46	30	0,480
C102-05-105-1218	M12x18	0,5	30	105	50	38	13	46	30	0,500
C102-05-105-1620	M16x20	1,12	30	105	50	38	13	46	30	0,530
C102-05-105-2030	M20x30	1,12	30	105	50	38	13	46	30	0,530
C102-05-153-2430	M24x30	3,15	40	153	68	58	18	70	48	1,630
C102-05-205-3035	M30x35	8	50	205	95	85	23	95	75	5,300



	0°	0°	90°	90°	0° - 45°	45° - 60°	Asymm	0° - 45°	45° - 60°	Asymm	Max. Tightening Couple (Nm)
Mxh	Single Leg	2 Legs	Single Leg	2 Legs	2 Legs			3/4 Legs			
M8x16	0,6	1,2	0,3	0,6	0,42	0,3	0,3	0,63	0,45	0,3	16
M10x18	0,6	1,2	0,3	0,6	0,42	0,3	0,3	0,63	0,45	0,3	16
M12x18	1	2	0,5	1	0,75	0,5	0,5	1,1	0,75	0,5	28
M16x20	2	4	1,12	2	1,5	1,12	1,12	2,36	1,6	1,12	70
M20x30	2	4	1,12	2	1,5	1,12	1,12	2,36	1,6	1,12	135
M24x30	6,3	12,5	3,15	6,3	4,25	3,15	3,15	6,3	4,75	3,15	230
M30x35	12,5	25	8	16	11,2	8	8	16,8	12	8	465

