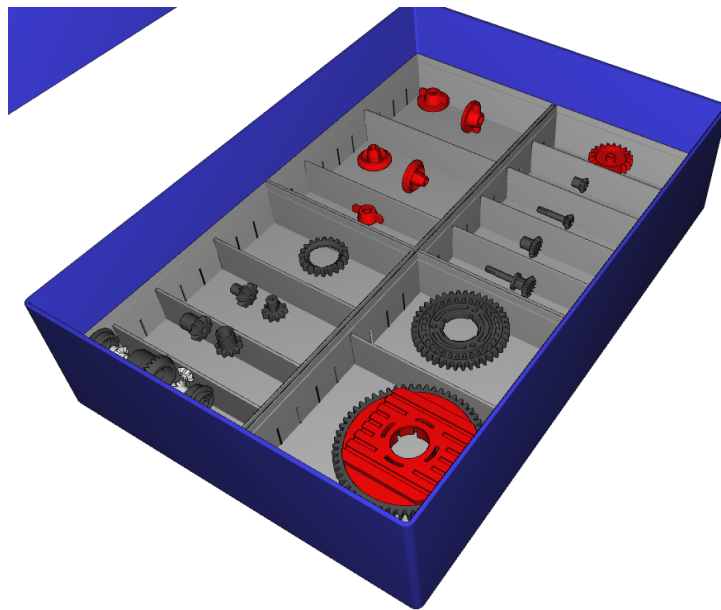


Sortierhilfe

Einleger für die Sortierschalen

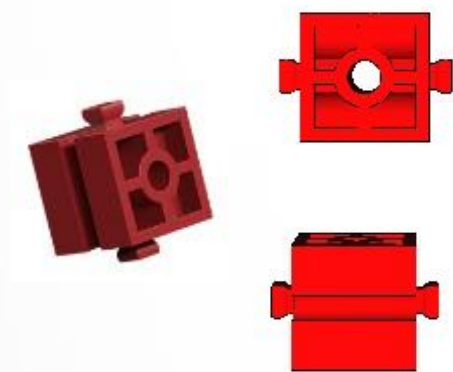
Version 1.4: Stand 4/2024

technika | Karlsruher-Technik-Initiative



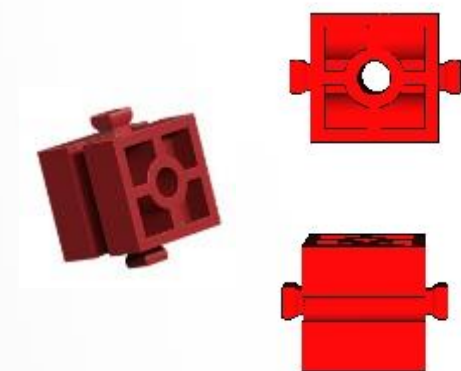
Erzeugt mit dem fischertechnik-Designer (www.fischertechnik-designer.de)

1 A



**Baustein 15
mit Bohrung**

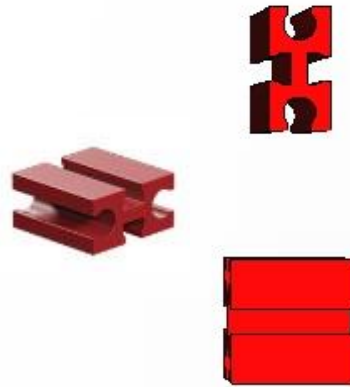
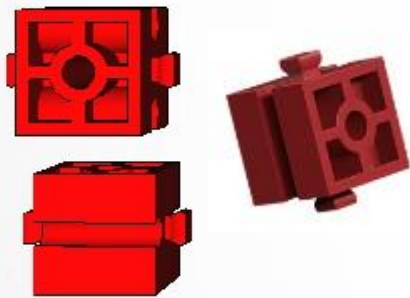
1 C



**Baustein 15
mit Bohrung**

1 B

Baustein 15
mit Bohrung



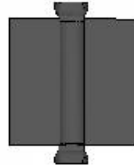
Baustein 7,5

1 D



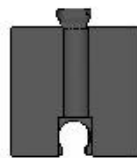
Baustein 7,5

1 E



Baustein 15
2 Zapfen

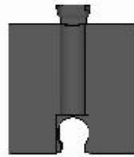
1 G



Baustein 15
1 Zapfen

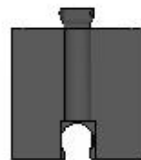


1 F



Baustein 15
1 Zapfen

1 H



Baustein 15
1 Zapfen

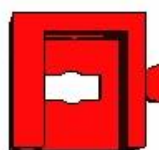
2 A



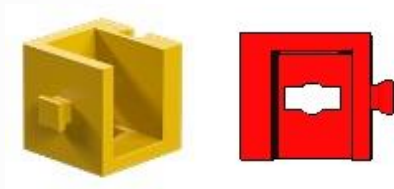
**Winkelträger 15
1 Zapfen**

2 C

**Winkelträger 15
1 Zapfen**



2 B



Winkelträger 15
1 Zapfen

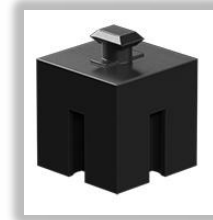
2 D

Winkelträger 15
2 Zapfen



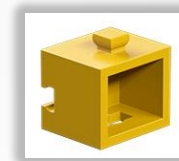
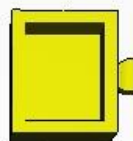
2 E

Riegelstein 15x15



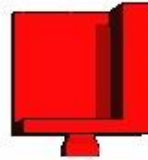
2 G

Statikstein

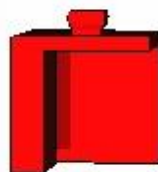


2 F

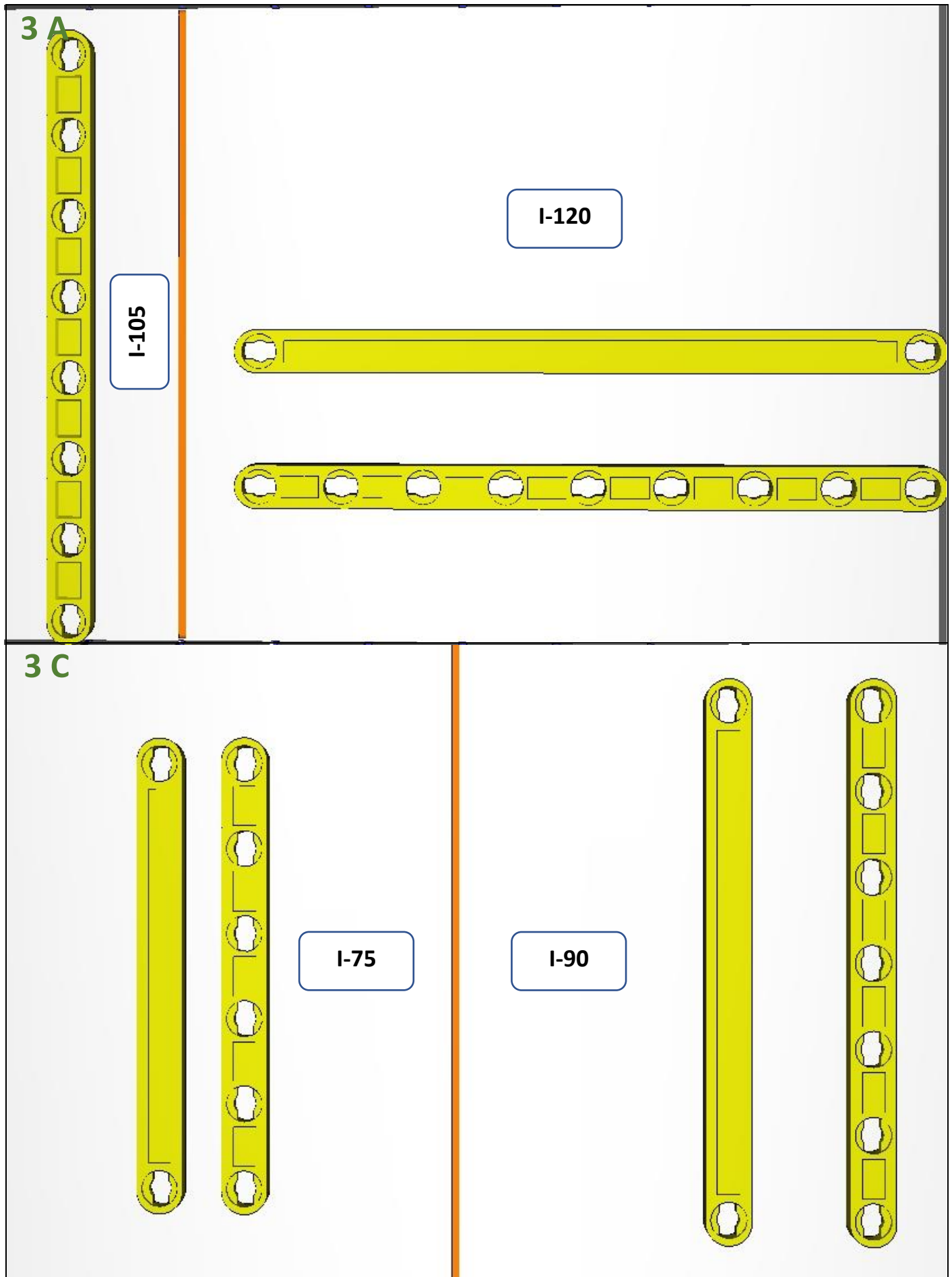
Baustein V15 Eck



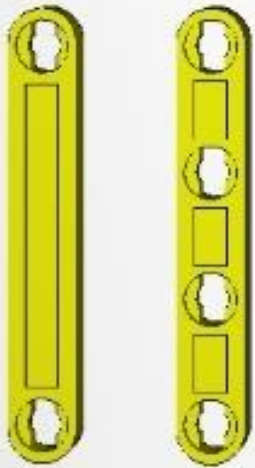
2 H



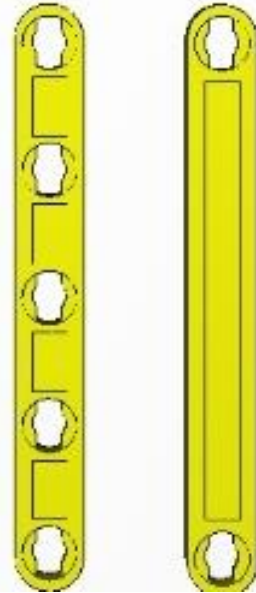
Baustein V15 Eck



3 B

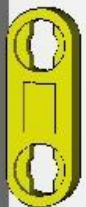


I-45

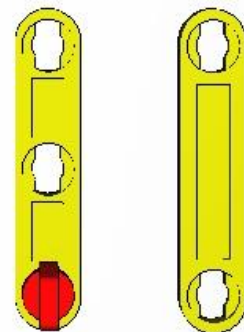


I-60

3 D



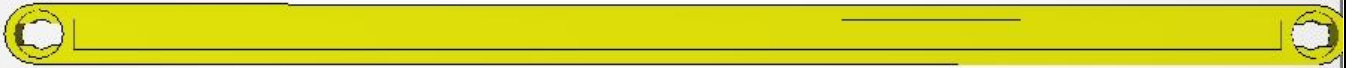
I-15



I-30

3 E

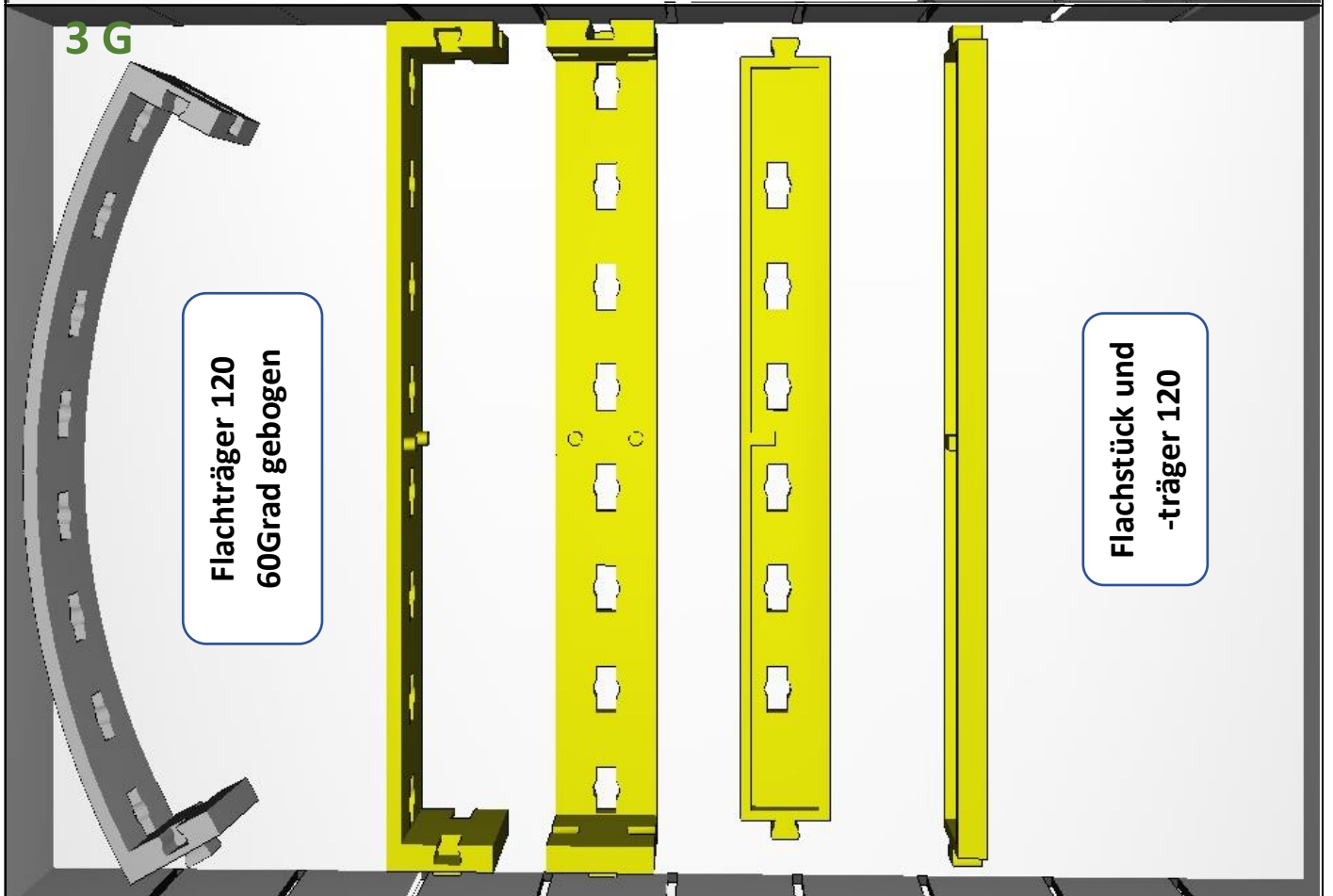
X-169,9



3 G

Flachträger 120
60Grad gebogen

Flachstück und
-träger 120



3 F

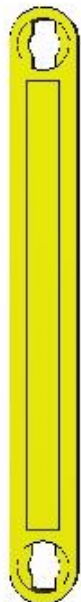


X-42,4



X-106

3 H



X-63,6



X-84,8

4 A



Adapterlasche

4 C



S-Riegel 6 mm



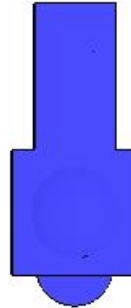
Riegelscheibe

4 B

S-Riegel 4 mm



Riegelschlüssel



4 D

Winkelstein



Winkellasche



4 E

Verbindungsstücke



15 mm



30 mm



45 mm

4 G



Federnocken



Abstandsring

4 F



Hülse 15



Achsadapter



Klemmhülse



Strebenadapter

4 H



Klemmbuchse 5



Klemmbuchse 10



Mitnehmer

5 A

Gelenkklaue
und Würfel



Lagerhülse



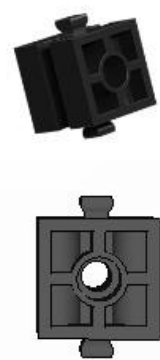
5 C



Rastachse
mit Platte



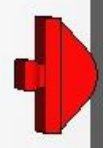
Aufnahmeachse



Baustein 15 mit
Ansenkung



Lagerstück
1 und 2



Kufe

5 B



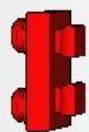
Gelenkwürfel-Klaue

Gelenkwürfel
zusammgebaut

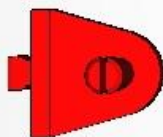


Gelenkwürfel-Zunge

5 D



Statik-Adapter



Radhalter



Reedkontakt-
und Kabelhalter

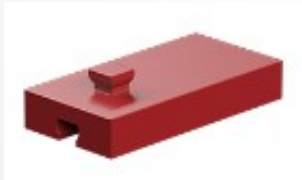
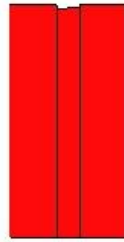


Kupplungsstück 30

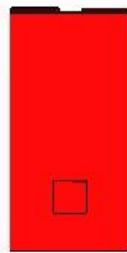


Kupplungsstück

5 E



**Baustein 15x30x5
mit Nut und Zapfen**

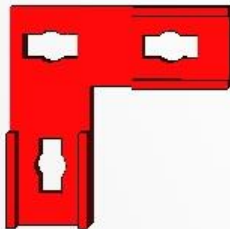


5 G

Lasche 21,2



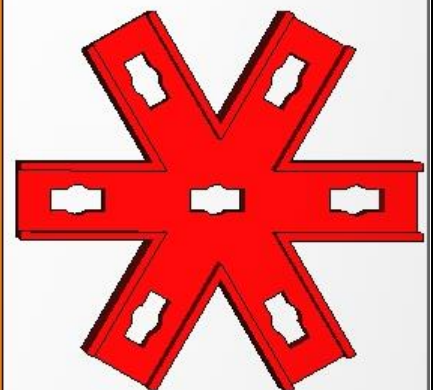
L-Lasche



Lasche 15

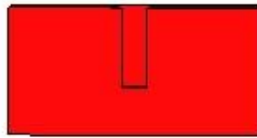
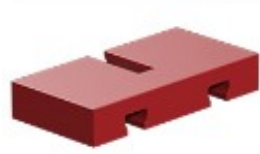
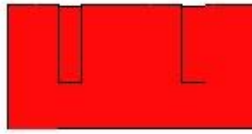


Sternlasche



5 F

**Baustein 15x30x5
mit 3 Nuten**



5 H

**Bauplatte
15x30x3,75 mit Nut**



6 A

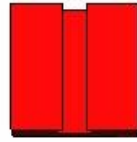
6 C

Winkelstein 30°



6 B

**Baustein 5
(=0°)**

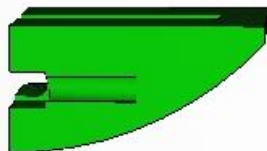


6 D

**Winkelstein 60°
mit 3 Nuten**



**Baustein
15x30 rund**



**Baustein
15x15 rund**

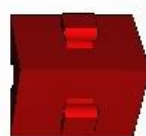


6 E



Winkelstein 15°

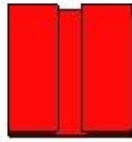
6 G



Winkelstein 60°

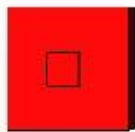
6 F

**Baustein 5
(=0°)**

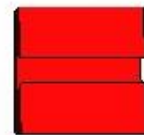


6 H

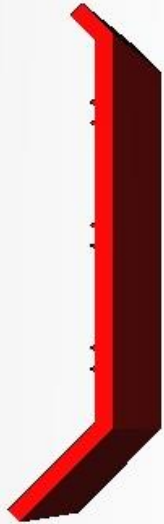
**Baustein 5
2 Zapfen**



Winkelstein 7,5°



7 A

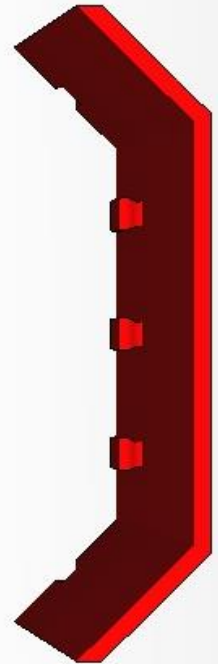
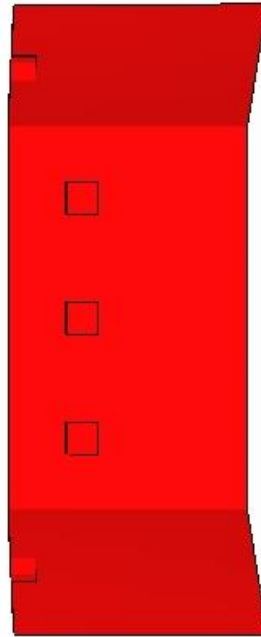


Kotflügel

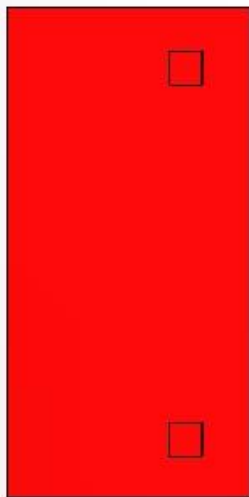


Kotflügel

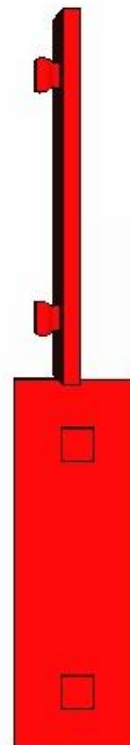
Kotflügel mit Zapfen



7 C

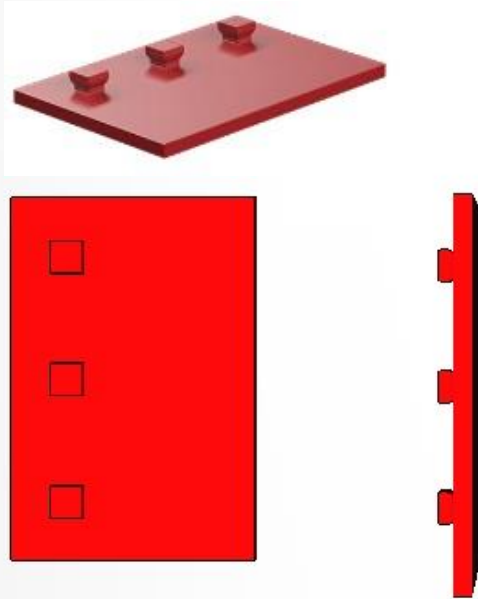


Bauplatte 30x60

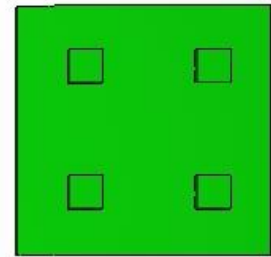


Bauplatte 15x45

7 B



Bauplatte 30x45

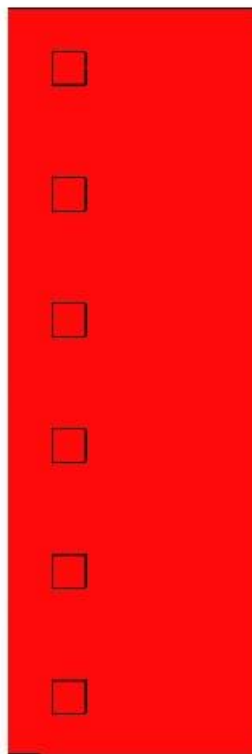


Bauplatte 30x30



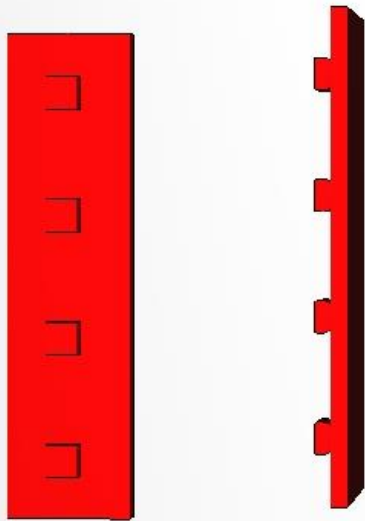
7 D

Bauplatte 30x90

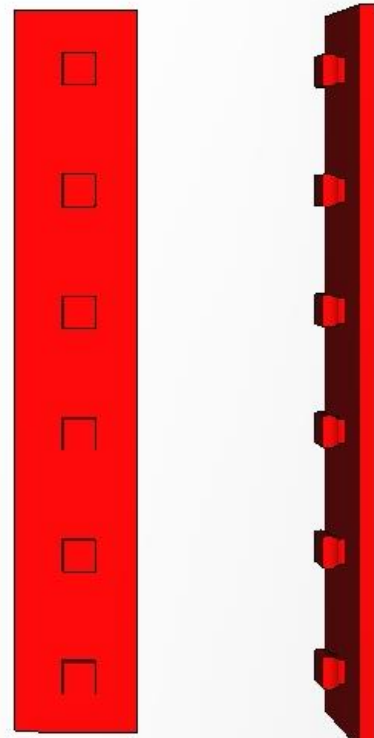


7 E

Bauplatte 15x60

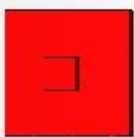


Bauplatte 15x90

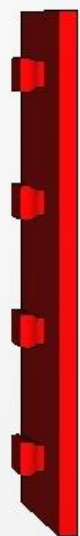
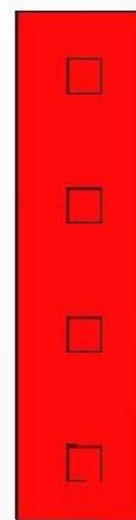


7 G

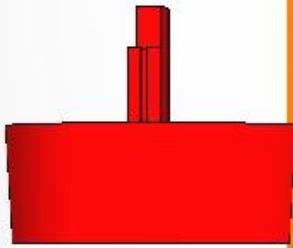
Bauplatte 15x15



Bauplatte 15x60



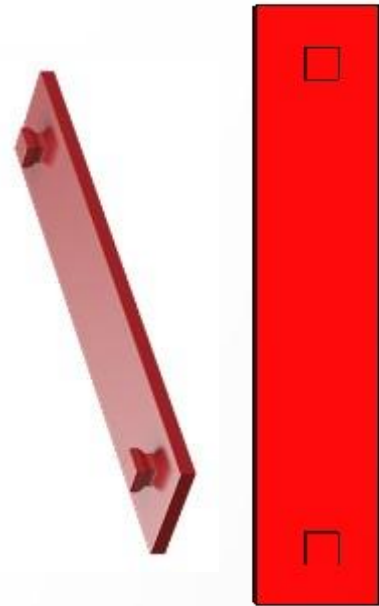
7 F



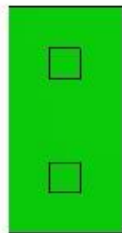
Kotflügel



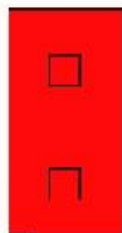
Bauplatte 15x75



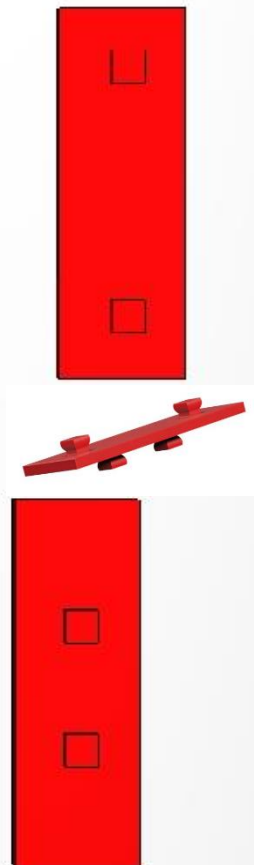
7 H



Bauplatte 15x30

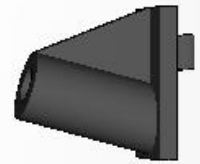


Bauplatte 15x45 mit 2x2 Zapfen

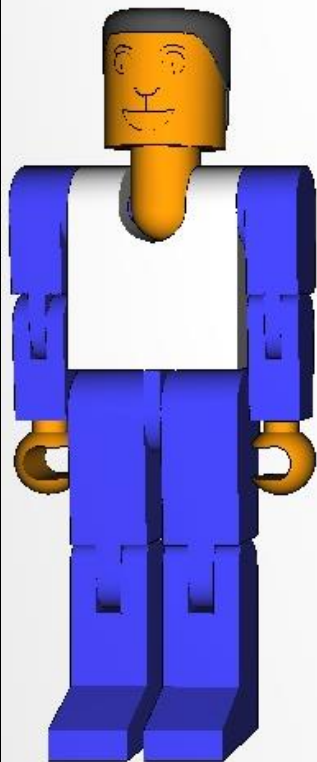


8 A

Lenkstock



8 C



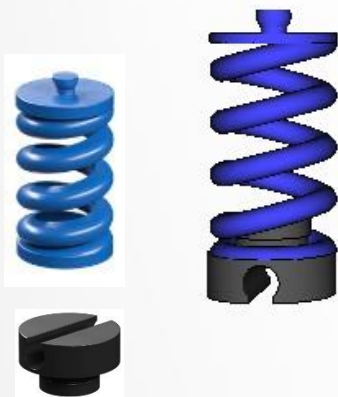
ft-Männchen



Zahnspurstange

8 B

Feder +
Federboden

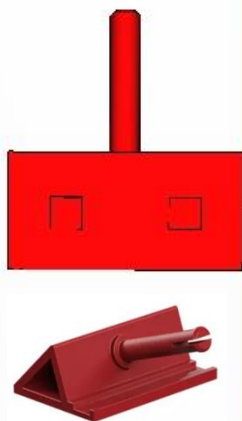


8 D

Lenkrad



Lenkradhalter
R 30



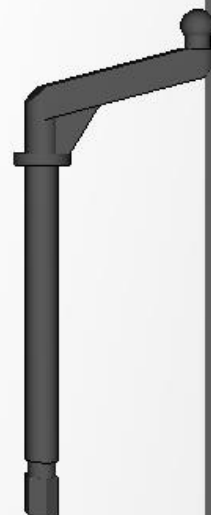
Gelenkstück



Spurstangen-
gelenk

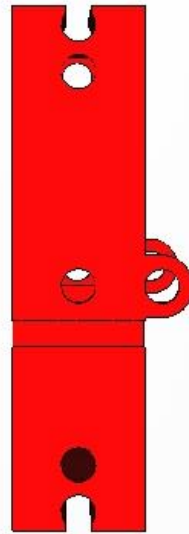


Lenksäule 65



8 E

Sitzbaustein

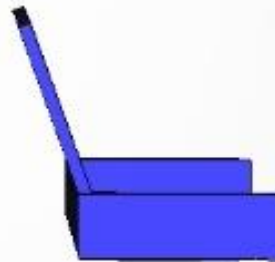


8 G

Schalensitz



Sitz



Anlenkhebel



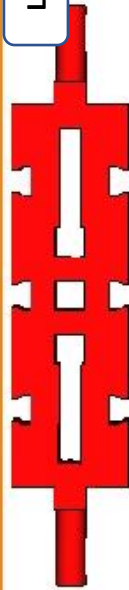
8 F



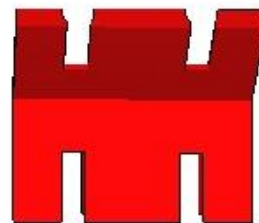
Radachse



Lenkbalken

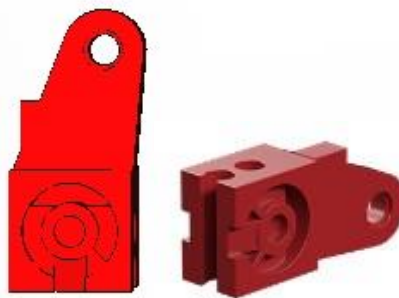
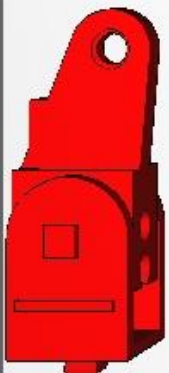


Schaufelhalter



Kesselhalter

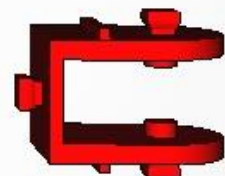
8 H



Lenkwürfel

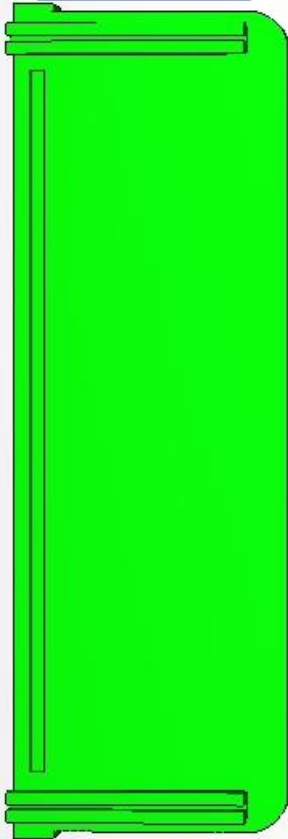


Lenkklaue



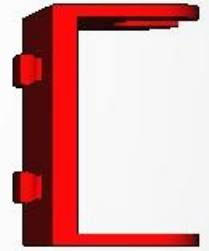
9 A

Muldenklappe

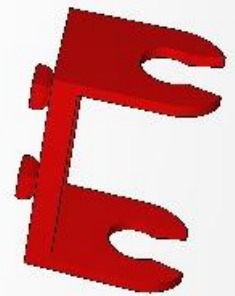


Seiltrommel
für
Rastachsen

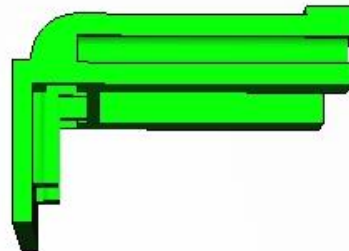
Nabenmutter



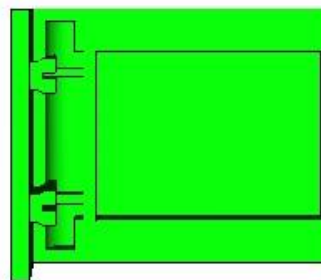
Seilwinden-
gestell 30



9 C



Muldenseitenteil



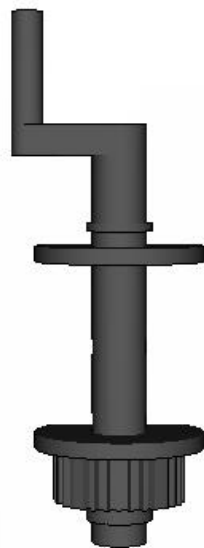
9 B



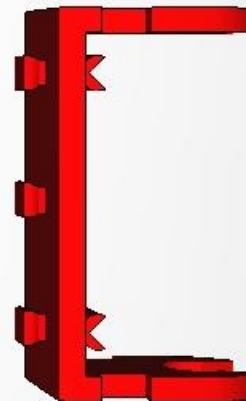
Seilwinden-
bremse



Seilhaken



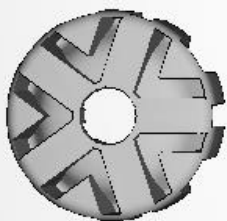
Seilwinden-
trommel



Seilwinden-
gestell

9 D

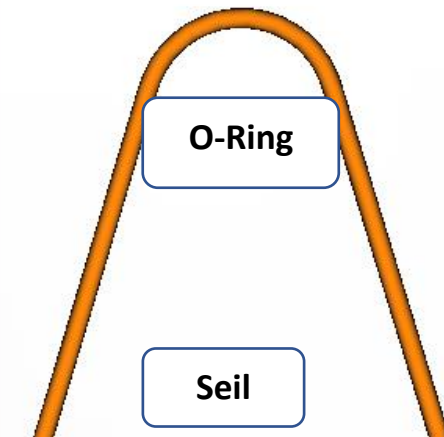
Radkappe
für
Felge 30



Felge 20,5x 12



O-Ring



Seil



Klemmring +
Seiltrommel

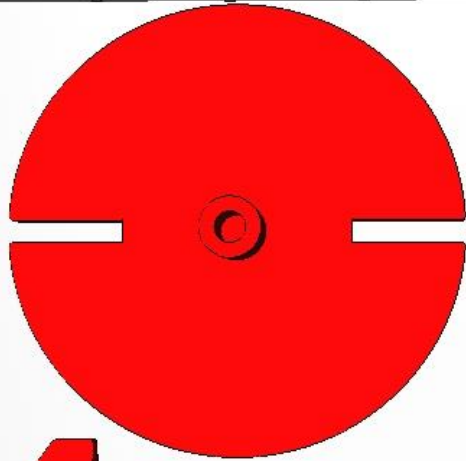


Zylinder

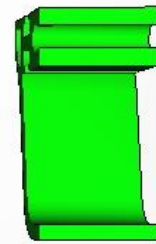
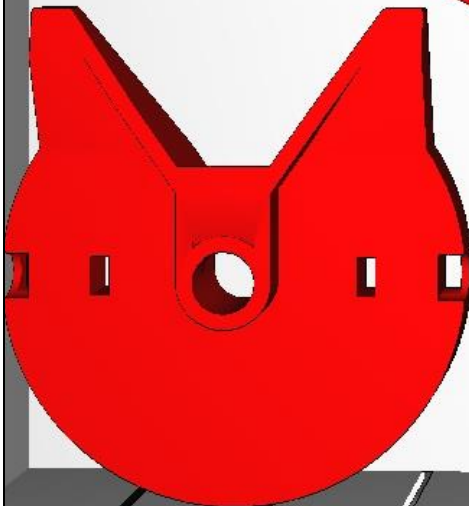


9 E

Auflieger
Kupplung
Oberteil



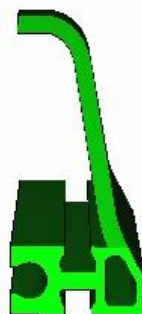
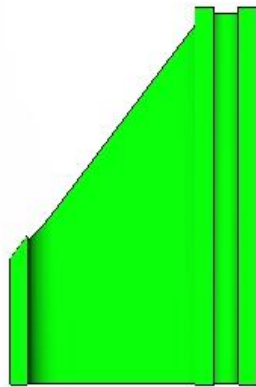
Auflieger
Kupplung
Unterteil



Verlängerung
Seitenteil

9 G

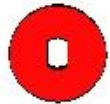
Seitenteil
rechts / links



9 F



Rad 23



Rastrolle



Seilrolle
d=12



Rad 14

9 H



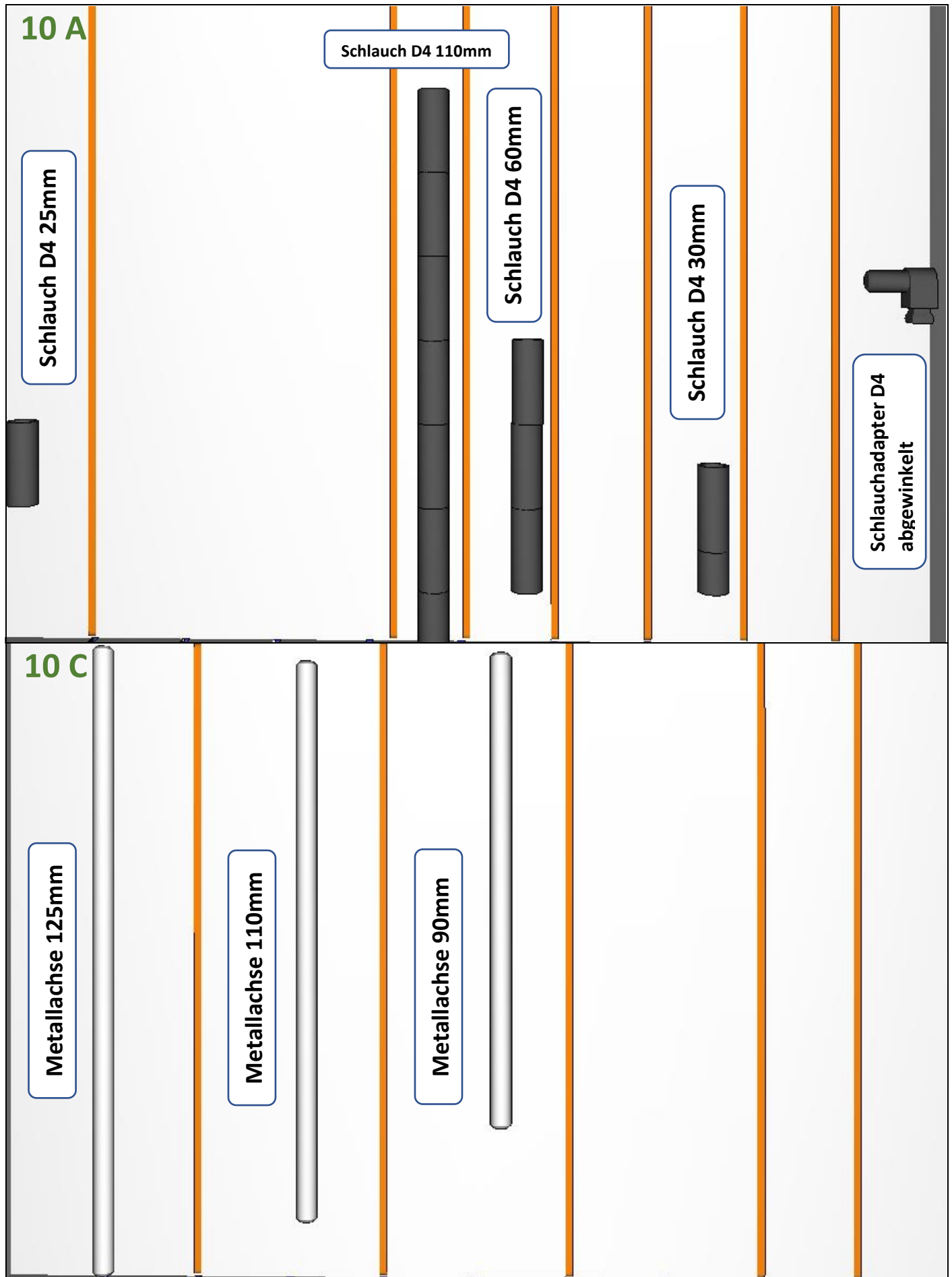
Seilrolle 21



Rollenlager



Rollenbock



10 B



Verbinder

10 D



Rastadapter



Kardangabel für Rastachsen



Kardanwürfel

Rastkupplung



10 E



Lenksäule 34



V-Achse 4x80

V-Achse 4x98



Radachse



Rastachse 20



Verbindungsstopfen

10 G

Clipsachse



Kunststoffachse 30mm



Kunststoffachse 40mm



Kunststoffachse 50mm



Kunststoffachse 60mm



10 F

Rastachse 180mm



Metallachse 170mm



10 H



Rastachse 30mm



Rastachse 45mm



Rastachse 60mm



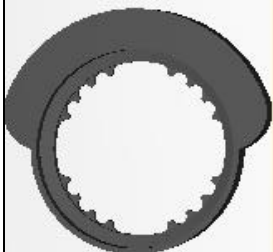
Rastachse 75mm



Rastachse 90mm

11 A

Schalt-
scheibe



Ritzel
Z10 M1,5



Rast-Ritzel
Z10 M1,5



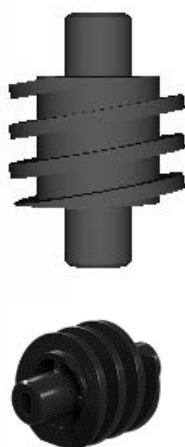
Zahnrad Z20



11 C

Innenzahnrad
Z30

Rastschnecke



Differential



11 B



Flachnabenzange



Nabenmutter
mit Scheibe



Zahnstange
60, M1,5



11 D



Kegelzahnrad
mit Hülse



Differentialrad
Motor XM

Differential Antriebsrad Z14. m=1

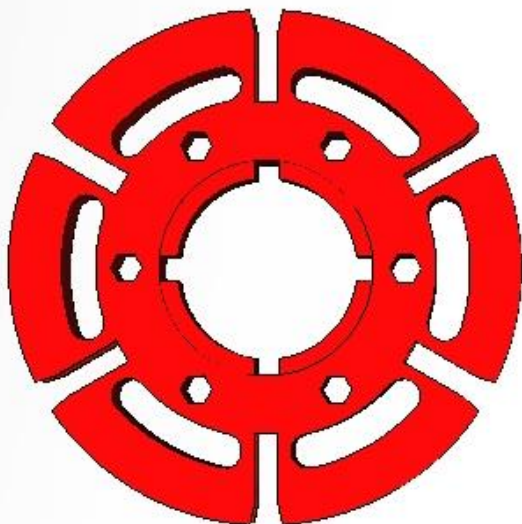


Rastachse mit Kegelzahnrad

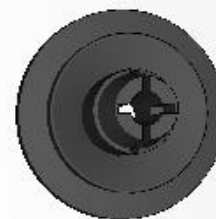


Rastkettenrad
Z20

11 E



Drehscheibe 60



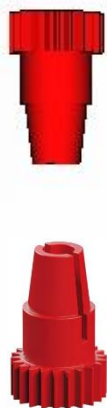
Freilaufnabe

11 G

Zangen-
mutter



Spannzange



Schneckenteil
m = 1,5



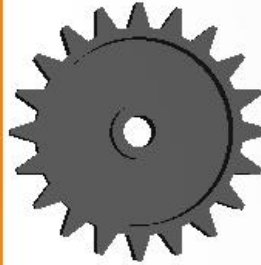
Klemmbare
Schnecke m = 1,5



11 F



Zahnrad Z30

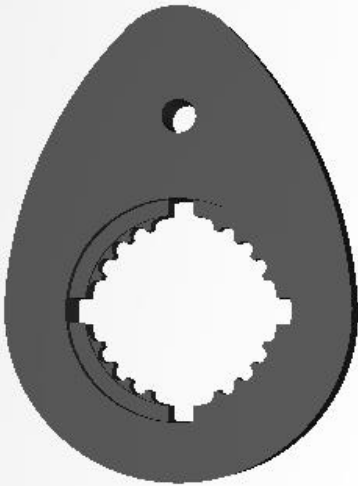


Kettenrad
Z20



Zahnrad
Z15

11 H

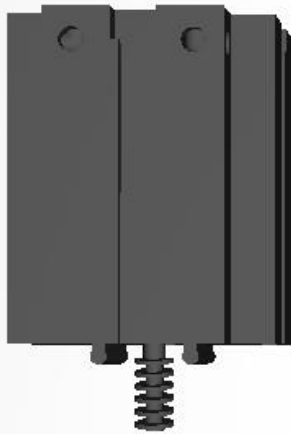


Nockenscheibe



Zahnrad Z40/32

12 A

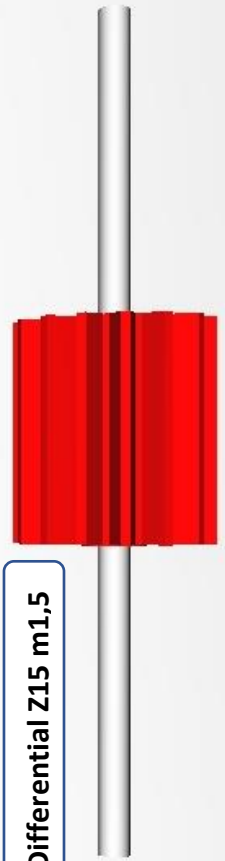


Mini Motor 6 – 9V

U-Achse 60 mit Zahnrad Z28

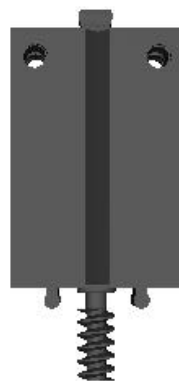


Differential Z15 m1,5



12 C

U-Achse 40
mit Zahnrad
Z28



XS-Motor 9V

12 B



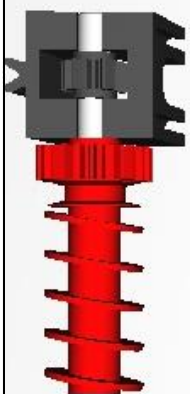
Rastachse mit
Zahnrad Z28 m = 0.5



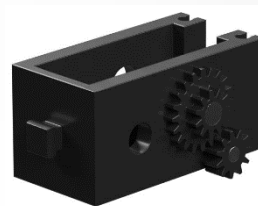
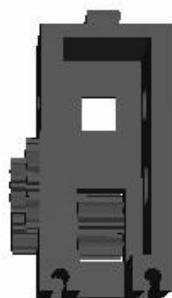
U-Achse 40 mit
Zahnrad Z28

12 D

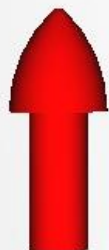
Getriebehalter
mit Schnecke
m=1,5



U-Getriebe

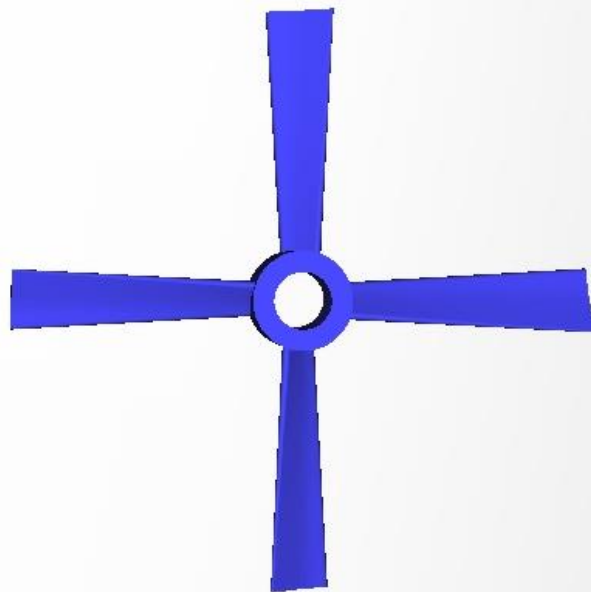


12 E



Adapterspitze für
Luftschrauben

Luftschraube 100



Luftschraube 4 Flügel

12 G



Schneckenmutter
m = 1.5



Schneckenmutter
m = 1

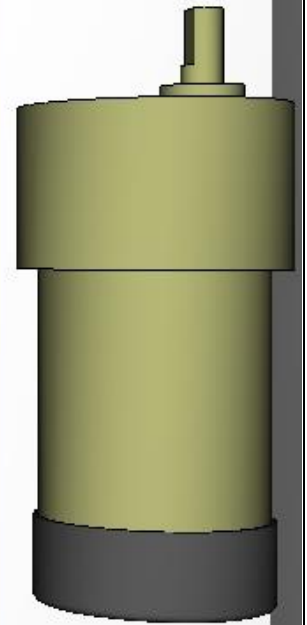
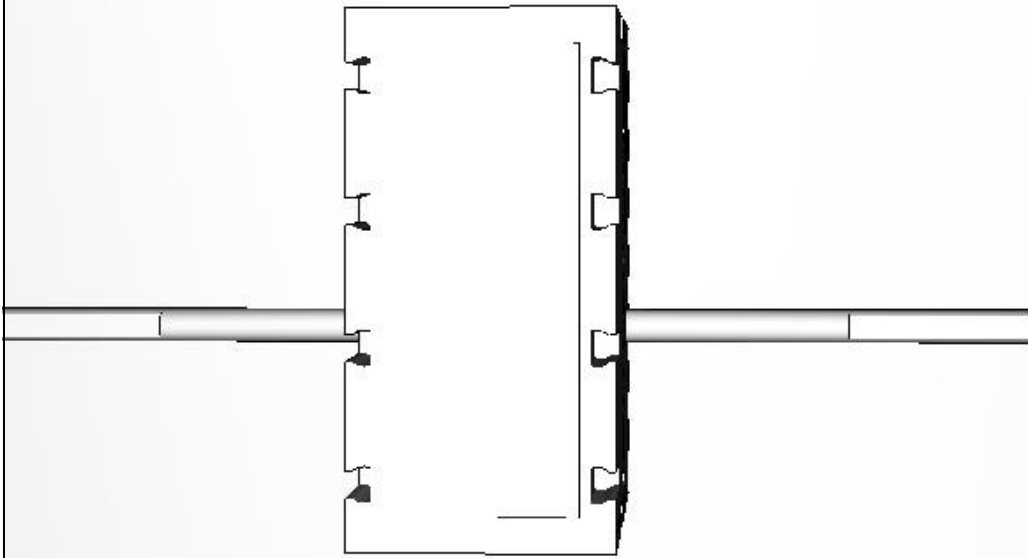
Rastachse mit Schnecke m = 1



Gelenkkurbel

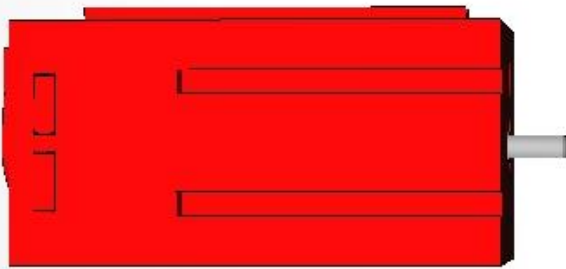
12 F

Rückzugsmotor

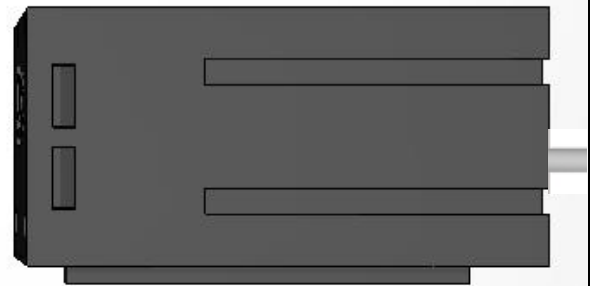
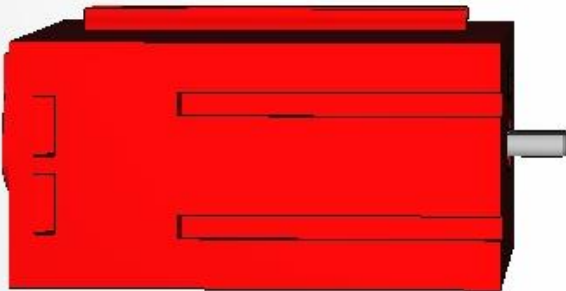


Powermotor 9V=
(8:1) 1A max

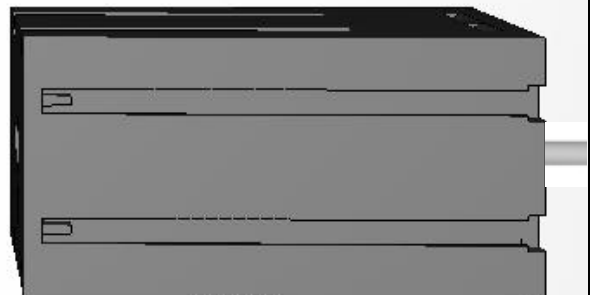
12 H



Encodermotor 9V

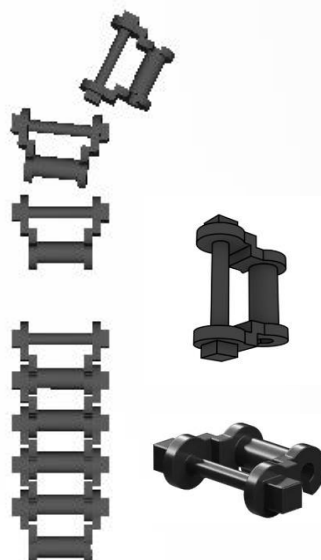


Motor XM 9V



13 A

Rastkettenglied 13,5



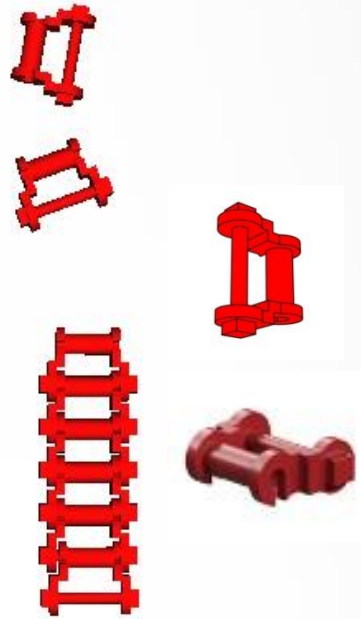
13 C

Rastraupenbelag weich



13 B

Rastkettenglied 11,5



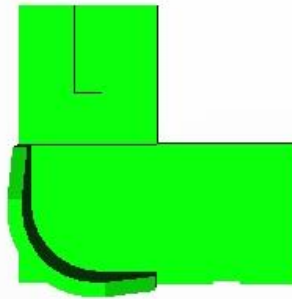
13 D

Rastraupenbelag weich



13 E

Kurve 90°



13 G

Magnetischer
Kugelhalter



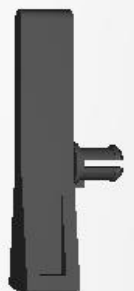
Wechselweiche
Rasthebel



Stahlkugel

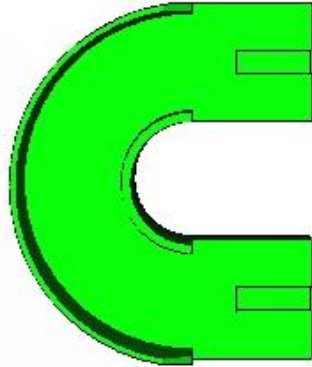


Wechselweiche
Oberteil



13 F

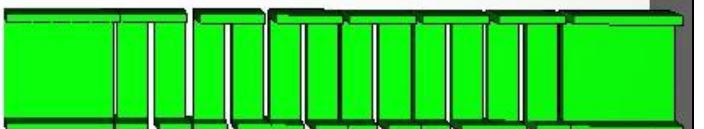
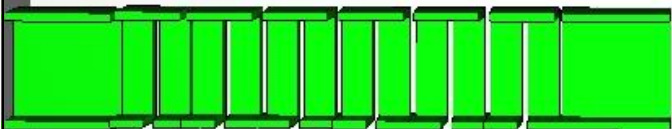
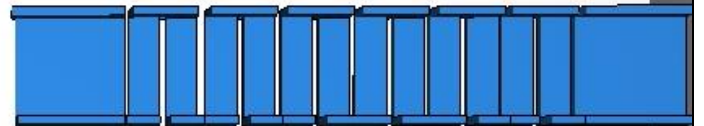
Kurve 180°



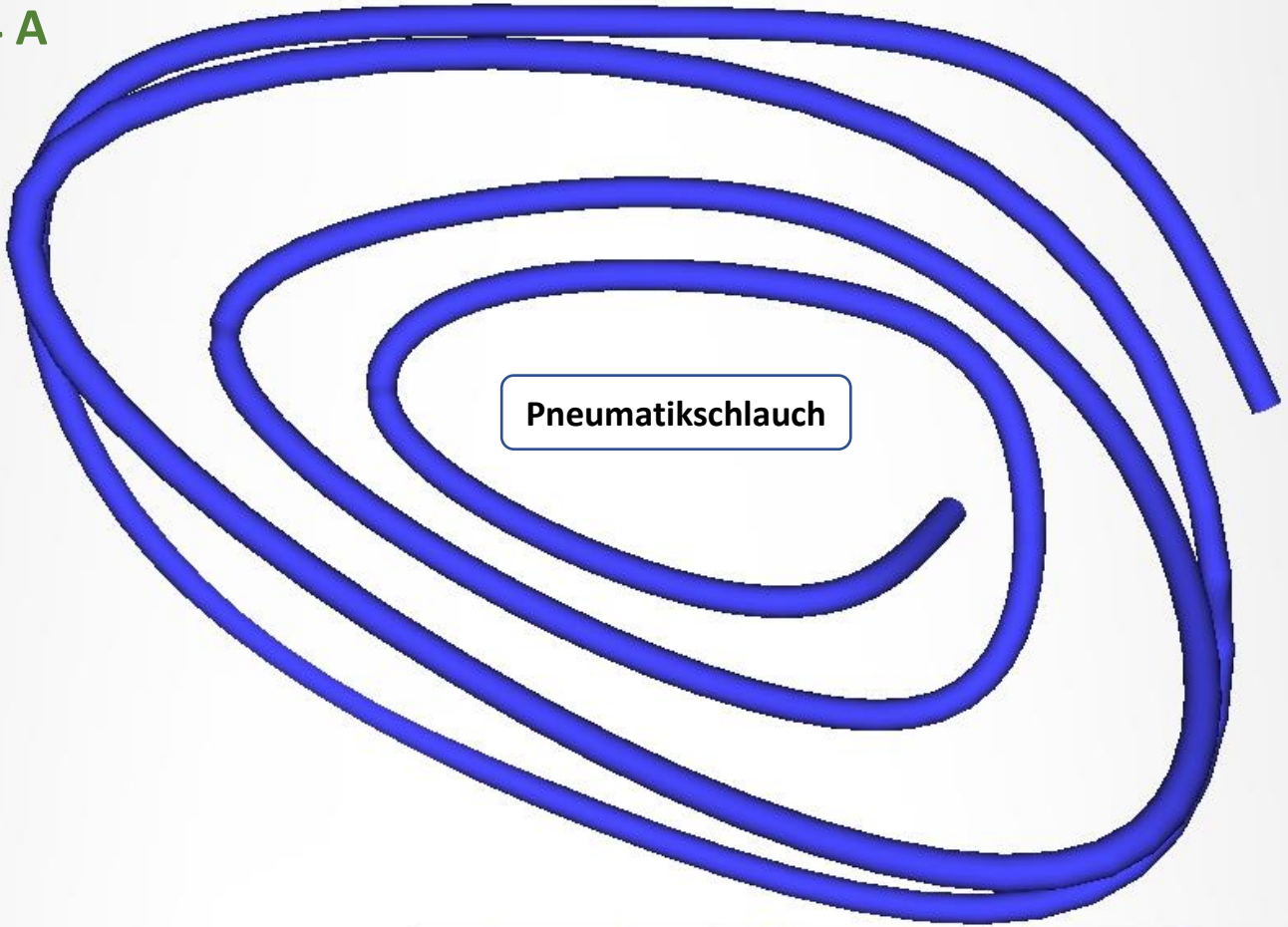
13 H

Flexprofil 90

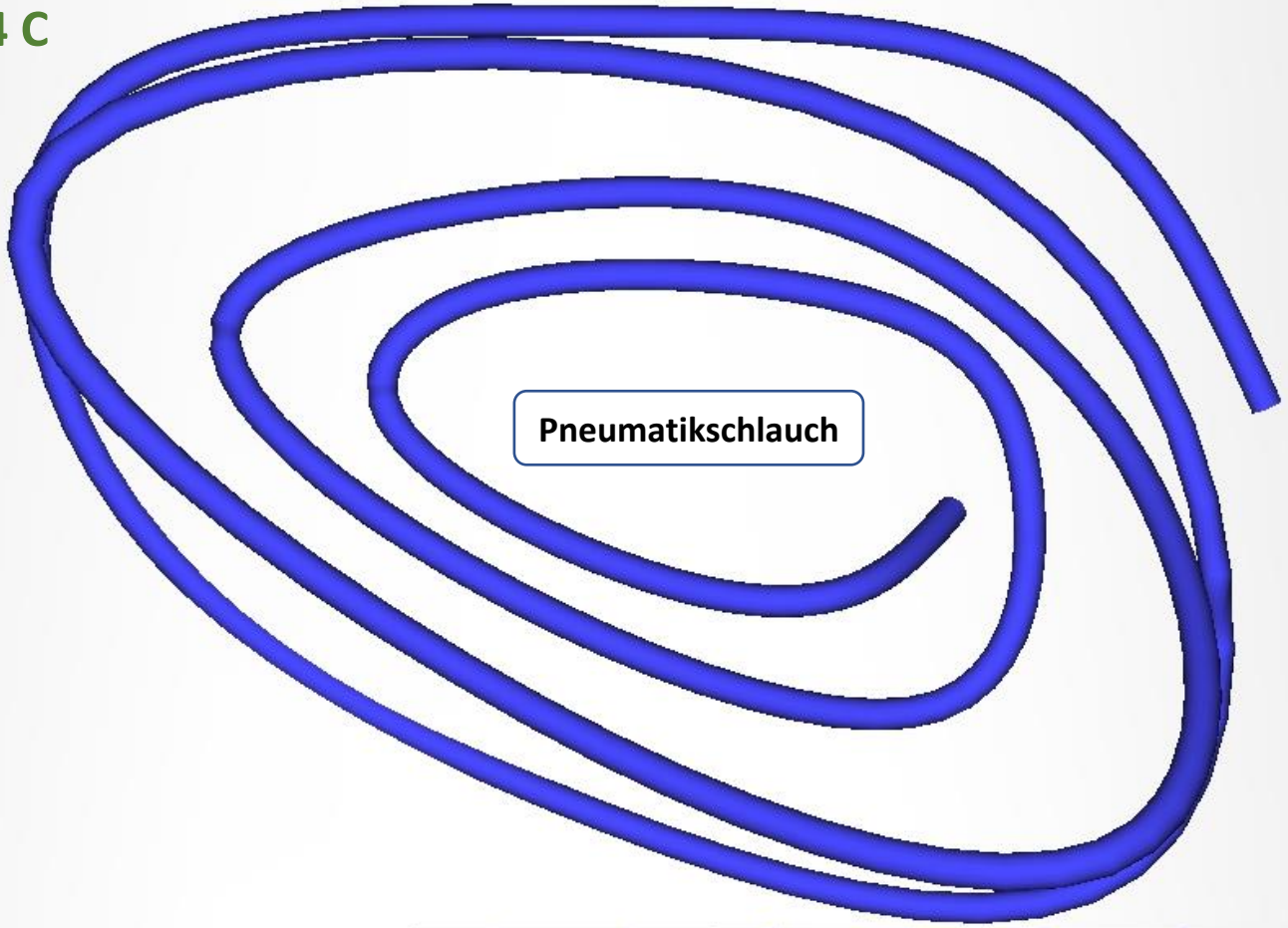
Flexprofil 90



14 A

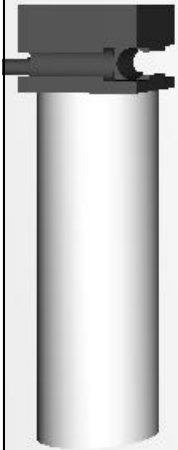


14 C



14 B

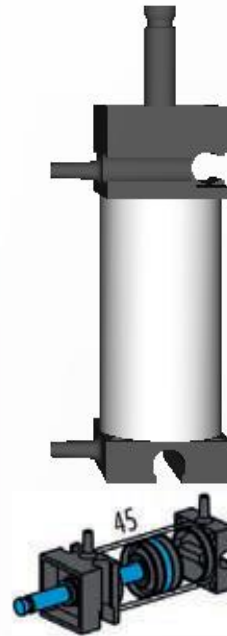
Zylinderrohr 44
mit Kopf



Pneumatik-
Zylinder 60



Pneumatik-
Zylinder 45

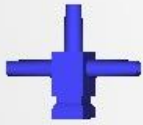


14 D

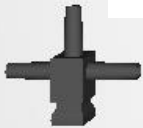


Kompressor 9V

14 E

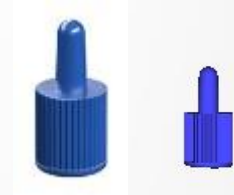


T-Stück



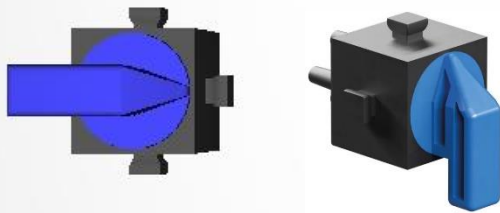
Winkelanschluss

Vakuumsauger

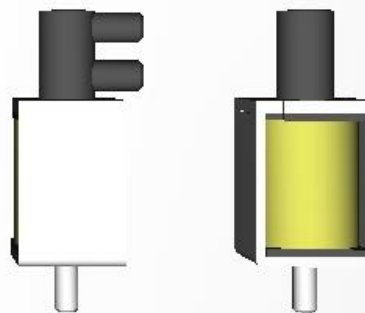


P-Stopfen

14 G



Pneumatik-Handventil



3/2-Wege-Magnetventil

14 F

Abluftdrossel
Gehäuse



Abluftdrossel
Schraube

14 H

Greifzange kurz

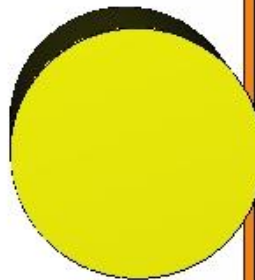


Rohrhülsen
30x45

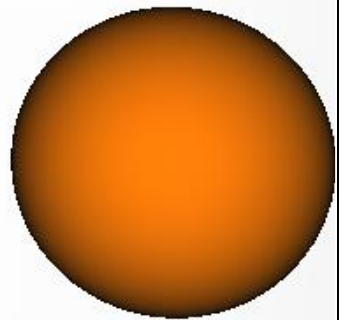


Rohrhülsen
30x60

Rohrhülsen
30x20 mit Deckel



Tischtennisball



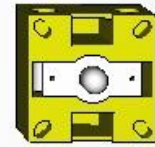
15 A

Störlichtkappe,
Öffnung 6

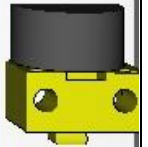


Mini-Taster

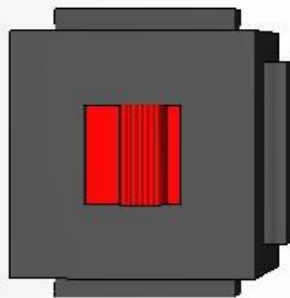
Fototransistor
montiert



Fotowiderstand

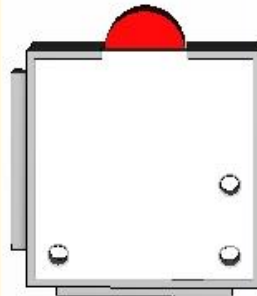
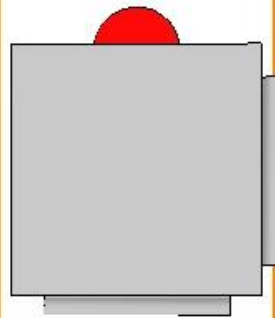


15 C



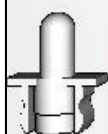
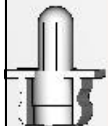
Polwendeschalter

Taster

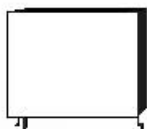


15 B

Linsenstecklampe

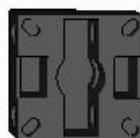


Rastleuchtkappen rot



Rastleuchtkappen weiß

Leuchtstein mit Steckfassung



LED montiert

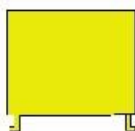


15 D

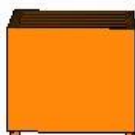
LED grün



NTC-Widerstand
1,5 k Ω



Rastleucht-
kappen
gelb



Rastleucht-
kappen
orange



Rastleuchtkappen blau



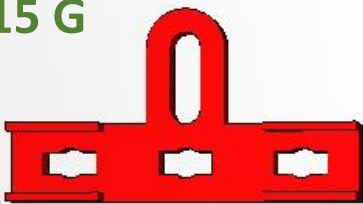
Rastleuchtkappen grün

15 E

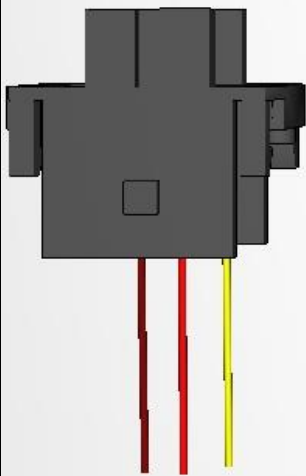


Schraubendreher

15 G

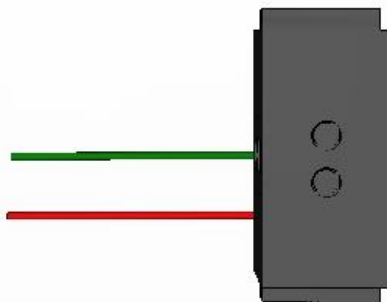


Servolasche

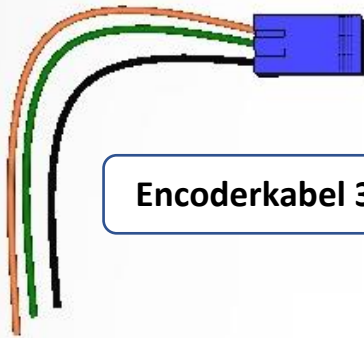


Servohalter

Farbsensor



15 F



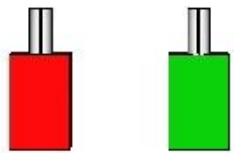
Encoderkabel 3adrig

Kabel

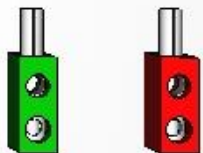


15 H

Stecker



Stecker



16 A

16 C

16 B

16 D

16 E

16 G

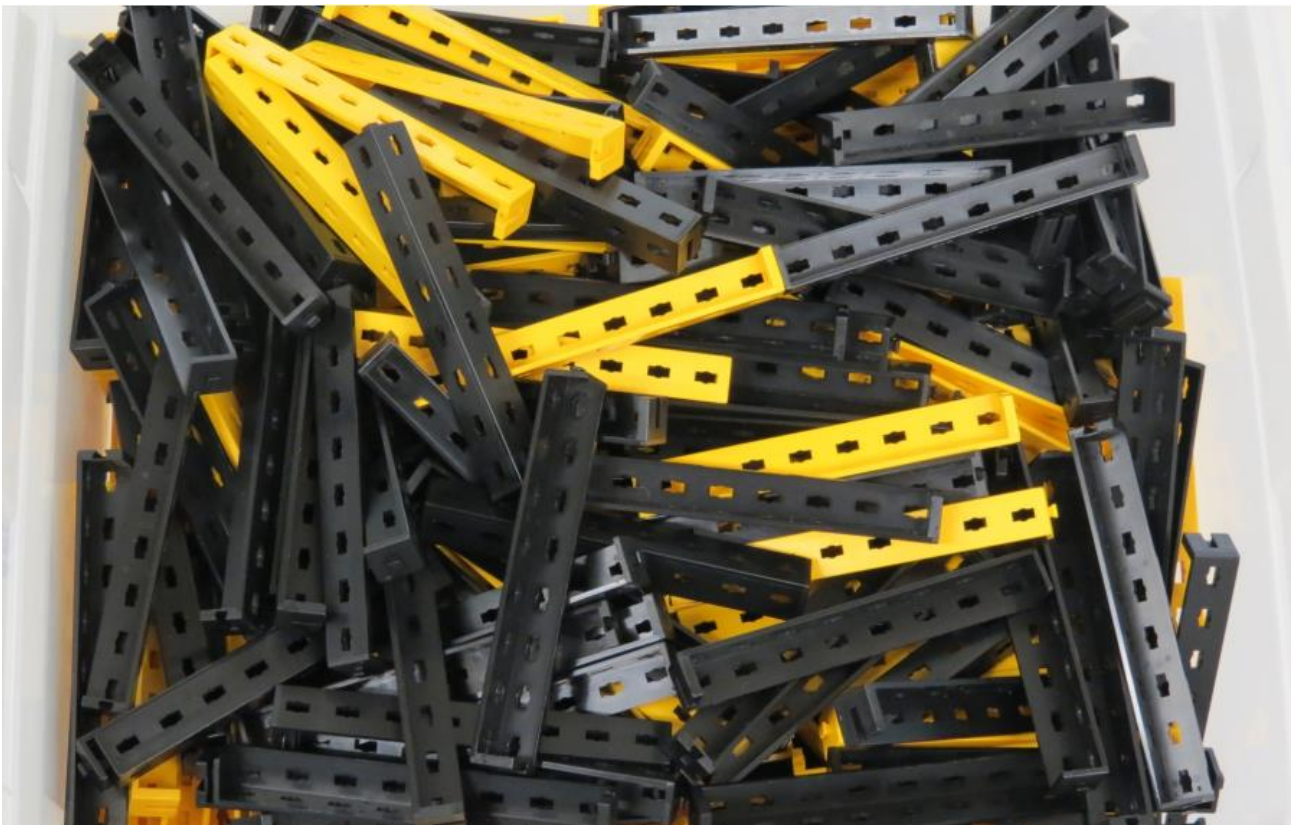
16 F

16 H

Box 1 Baustein 30



Box 2 Winkelträger 120



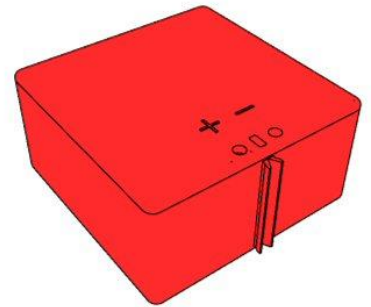
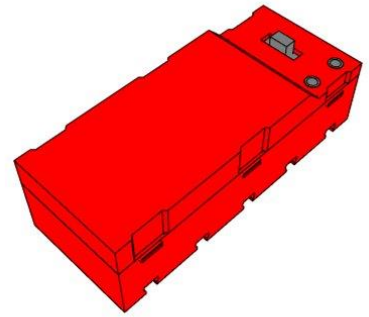
Box 3 Winkelträger 60



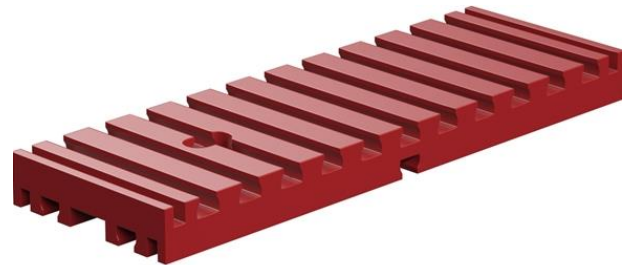
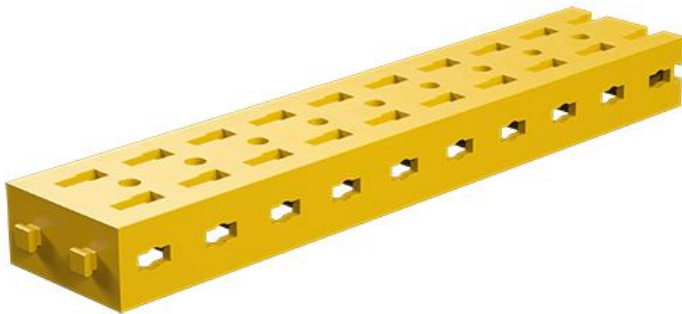
Box 4 Winkelträger 30



Box 5 Kabel, Netzteile, Akkus und Batteriehalter



Box 6 Platten



Box 7 Omniwheel-Räder



Box 8 Räder



Box 9 Trichter und Wechselweiche



Box 10 Schläuche und Flexprofil 180mm

