



Ravitailleurs

Stangenlader

Barloader

Pinces	<i>Klemmzangen</i>	Clamping collet
Embouts	<i>Drehende</i>	End pieces
Poussettes	<i>Stoss-Stange</i>	Pushrods
Câbles	<i>Kabeln</i>	Cables
Attaches	<i>Kappen</i>	Cap-festeners
Crochets	<i>Haken</i>	Hook
Mors	<i>Fest Klemmbacken</i>	Fixed jaws
Divers	<i>Andere Teile für Stangenlader</i>	Diverse pieces for barloader





Einfache Stoss-Stangen TORNOS / BECHLER / PETERMANN
TORNOS / BECHLER / PETERMANN simple pushrods



Machines Tornos

No	Corps D	L	Machines
Nr.	Schaft D	L	Maschinen
Nr	Shank D	L	Machines
100	4.50	430	M4
101	4.50	510	M4
102	4.50	510	T4
103	6.50	565	M7
104	6.50	665	MS-7
105	10.00	755	R-10
106	10.00	825	R-10
109	12.00	533	R-125
110	12.00	711	R-125
111	16.00	750	R-16
113	20.00	750	RR-20
115	25.00	800	MR-28
117	30.00	800	MR-32

Machines Bechler

No	Corps D	L	Machines
Nr.	Schaft D	L	Maschinen
Nr	Shank D	L	Machines
200	4.50	800	AS-4
201	6.50	800	AS-7
202	10.00	800	AR-10
203	12.00	1060	BE-12
204	16.00	1060	BR-16
205	20.00	1060	BE-20
206	30.00	1060	C-32

Machines Petermann

No	Corps D	L	Machines
Nr.	Schaft D	L	Maschinen
Nr	Shank D	L	Machines
300	4.50	620	P-4
301	6.50	800	P-7
302	10.00	800	P-7R
303	10.00	950	P-7R
304	14.00	790	10-HS
305	16.00	890	P-16
306	25.00	900	P-25



Einfache Stoss-Stangen VIBO
VIBO simple pushrods

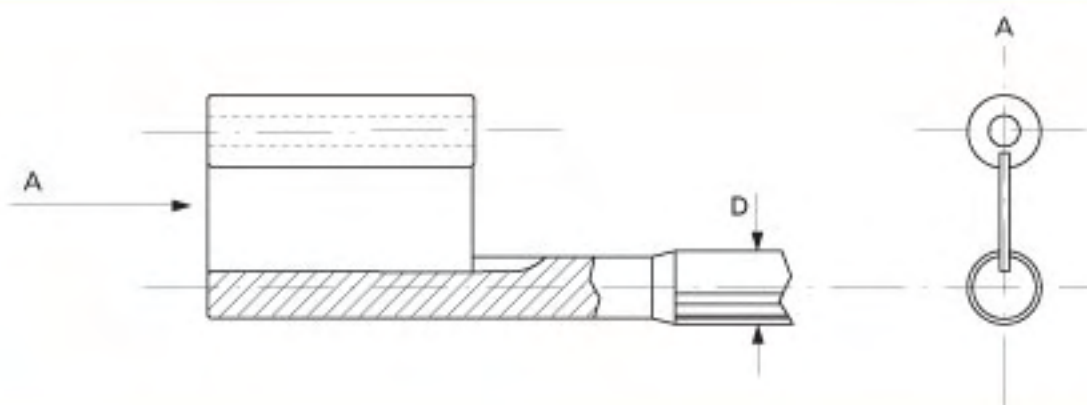


Poussettes Vibo / Stoss-Stangen / Pushrods

No	Corps D	L	Machines
Nr.	Schaft D	L	Maschinen
Nr	Shank D	L	Machines
107	10.00	540	R-10
108	10.00	710	R-10
112	16.00	750	R-16
114	20.00	750	RR-20
116	28.00	750	MR-28
118	30.00	750	MR-32

Drapeaux pour tube VIBO

Fahnen für VIBO Rohre
Flags for VIBO tubes



Drapeaux tube Vibo

No	D
Nr.	D
Nr	D
500	10.00
501	16.00
502	20.00
503	25.00
504	28.00
505	30.00



Stangenlader TORNOS Télébar
TORNOS Télébar barloaders

Télébar 12 tubes M4

Corps	Poussette	Entretoise	Crochet	Attaches
Schaft	Stoss-Stange	Zwischenstück	Hacken	Kappe
Shank	Pushrods	Distance piece	Hook	Cap fastener
4.50	V1000	V1001 lg 30 V1002 lg 85	V1003	V1100

Télébar 12 tubes M7

Corps	Poussette	Entretoise	Crochet	Attaches
Schaft	Stoss-Stange	Zwischenstück	Hacken	Kappe
Shank	Pushrods	Distance piece	Hook	Cap fastener
5.50	V1004	V1005 lg 40 V1006 lg 70 V1007 lg 110	V1008	V1101

Télébar 9 tubes M7

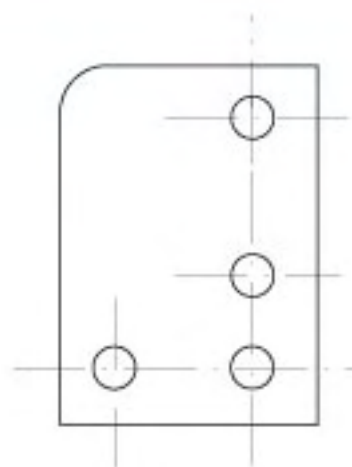
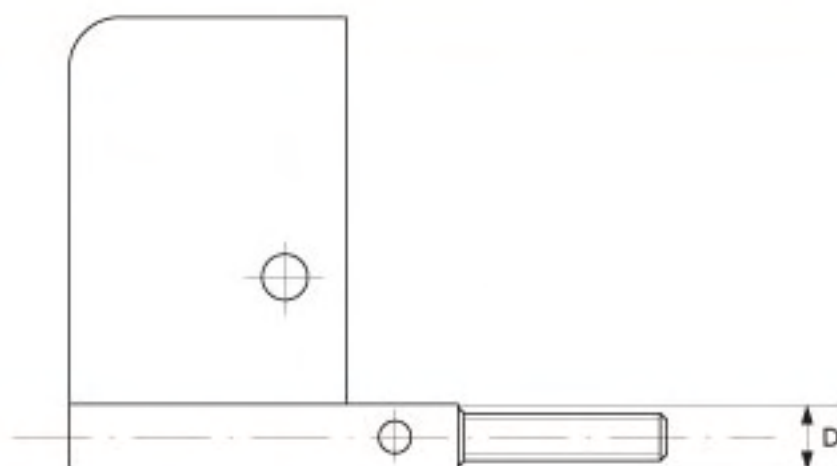
Corps	Poussette	Entretoise	Crochet	Attaches
Schaft	Stoss-Stange	Zwischenstück	Hacken	Kappe
Shank	Pushrods	Distance piece	Hook	Cap fastener
7.00	V1009	V1011 lg 50 V1012 lg 110	V1013	V1102

Télébar 9 tubes R10

Corps	Poussette	Entretoise	Crochet	Attaches
Schaft	Stoss-Stange	Zwischenstück	Hacken	Kappe
Shank	Pushrods	Distance piece	Hook	Cap fastener
7.00	V1010	V1011 lg 50 V1012 lg 110	V1013	V1102



Auswechselbare Fahnen
Changeable Flags



Drapeaux interchangeables

No	D
Nr.	D
Nr	D
400	7.00
401	10.00
402	12.00
403	14.00
404	16.00
405	20.00
406	25.00
407	28.00
408	30.00



Drehende, einfache Endstücke
Revolving simple end-pieces



Embouts tournants simples

No	Corps D	M
Nr.	Schaft D	M
Nr	Shank D	M
600	4.50	M3.50
601	7.00	M5.00
602	10.00	M6.00
603	12.00	M6.00
604	14.00	M8.00
605	16.00	M10.00
606	20.00	M10.00
607	25.00	M12.00
608	30.00	M14.00
609	32.00	M16.00
610	36.00	M16.00
611	38.00	M16.00



Stoss-Stangen für Stangenlader TORNOS Télébar
Pushrods for barloader TORNOS Télébar



Poussettes télébar 12 tubes

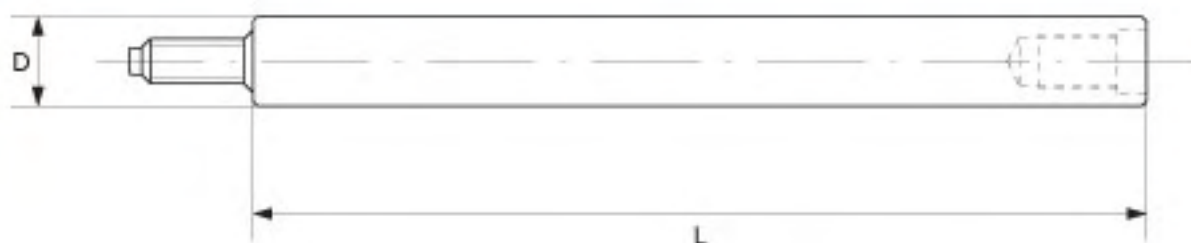
No	Corps D	L
Nr.	Schaft D	L
Nr	Shank D	L
V1000	4.50 mm	467 mm
V1004	5.00 mm	570 mm

Poussettes télébar 9 tubes

No	Corps D	L
Nr.	Schaft D	L
Nr	Schank D	L
V1009	7.00 mm	570 mm
V1010	7.00 mm	695 mm



Zwischenstücke Télébar
Distance-pieces Télébar



Entretoises télébar 12 tubes M4

No	Corps D	Longueur L
Nr.	Schaft D	Länge L
Nr	Shank D	Length L
V1001	4.50	30.00
V1002	4.50	85.00

Entretoises télébar 12 tubes M7

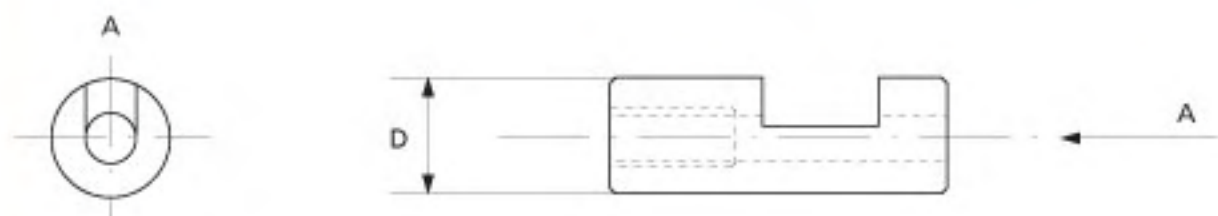
No	Corps D	Longueur L
Nr.	Schaft D	Länge L
Nr	Shank D	Length L
V1005	5.00	40.00
V1006	5.00	70.00
V1007	5.00	110.00

Entretoises télébar 9 tubes M7 et R10

No	Corps D	Longueur L
Nr.	Schaft D	Länge L
Nr	Shank D	Length L
V1011	7.00	50.00
V1012	7.00	110.00



Haken Télébar
Hook Télébar



Crochets télébar 12 tubes M4

No	Corps D
Nr.	Schaft D
Nr	Shank D
V1003	4.50

Crochets télébar 12 tubes M7

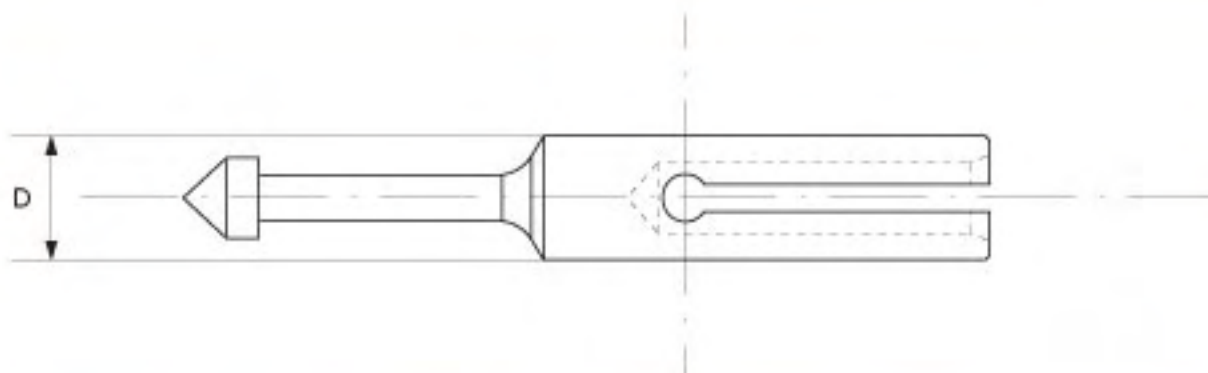
No	Corps D
Nr.	Schaft D
Nr	Shank D
V1008	5.00

Crochets télébar 9 tubes M7 et R10

No	Corps D
Nr.	Schaft D
Nr	Shank D
V1013	7.00



Kappen Télébar
Cap.-fastener Télébar



Attaches télébar 12 tubes M4

No	Corps D
Nr.	Schaft D
Nr	Shank D
V1100	4.50

Attaches télébar 12 tubes M7

No	Corps D
Nr.	Schaft D
Nr	Shank D
V1101	5.50

Attaches télébar 9 tubes M7 et R10

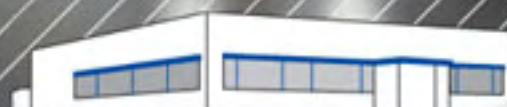
No	Corps D
Nr.	Schaft D
Nr	Shank D
V1102	7.50



Driving guide plate Télébar
Gleitbahnantrieb Télébar



No / Nr. / Nr T 32024



Stangenlader TORNOS Super Télébar - Barboy
TORNOS barloaders Super Télébar - Barboy

Super télébar 30 tubes

Corps	Poussette	Embouts	Pinces	Câble	Mors
Schaft	Stoss-Stange	Drehende Endstücke	Zangen	Kabeln	Klemmbacken
Shank	Pushrods	End pieces	Clamp collets	Cables	Fixed Jaws
4.50	V1400	V1030	V1600	H29Q lg 2 m	V9000
5.50		V1031	V1031a	H29M lg 3 m	V9000

Super télébar 24 tubes

Corps	Poussette	Embouts	Pinces	Câble	Mors
Schaft	Stoss-Stange	Drehende Endstücke	Zangen	Kabeln	Klemmbacken
Shank	Pushrods	End pieces	Clamp collets	Cables	Fixed Jaws
7.00	V1401	V1032	V1032a	H29P lg 3 m	V9000
7.50	V1401	V1033	V1032a	H29P lg 3 m	V9000
8.50	V1402	V1034	V1034a	H29P lg 3 m	V9000

Super télébar 24 tubes vertical

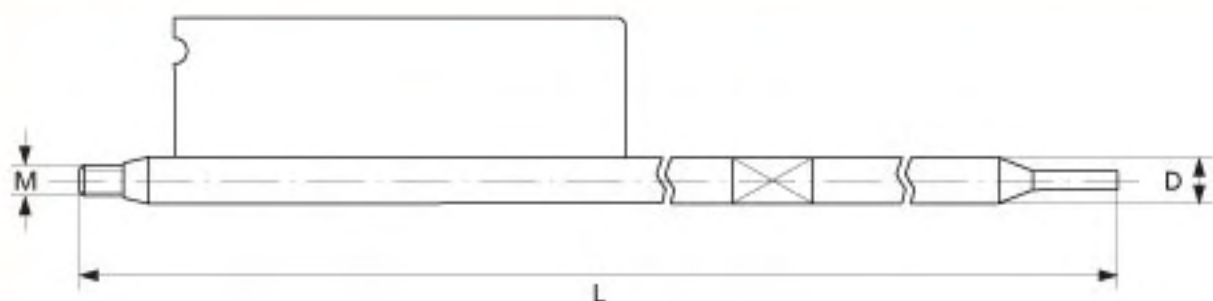
Corps	Poussette	Embouts	Pinces	Câble	Mors
Schaft	Stoss-Stange	Drehende Endstücke	Zangen	Kabeln	Klemmbacken
Shank	Pushrods	End pieces	Clamp collets	Cables	Fixed Jaws
7.00	V1401	V1032	V1032a	H29R lg 3 m	V9000
7.50	V1401	V1033	V1032a	H29R lg 3 m	V9000
8.50	V1402	V1034	V1034a	H29R lg 3 m	V9000

Barboy

Corps	Drapeau poussette	Tige poussette	Embouts	Pinces
Schaft	Fahne für Stoss-Stange	Stange für Stoss-Stange	Drehende Endstücke	Zangen
Shank	Flag for pushrods	Rod for pushrods	End pieces	Clamp collets
5.50	V1300	V1301	V1031	V1031a
7.00	V1302	V1303	V1032	V1032a
7.50	V1302	V1303	V1033	V1032a
8.50	V1304	V1305	V1034	V1034a
10.50	V1306	V1307	V1035	V1035a
12.00	V1308	V1309	V1037	V1037a
13.00	V1310	V1311	V1038	V1038a
15.00			V1100	V1608
16.00			V1101	V1609
20.00			V1102	V1121a

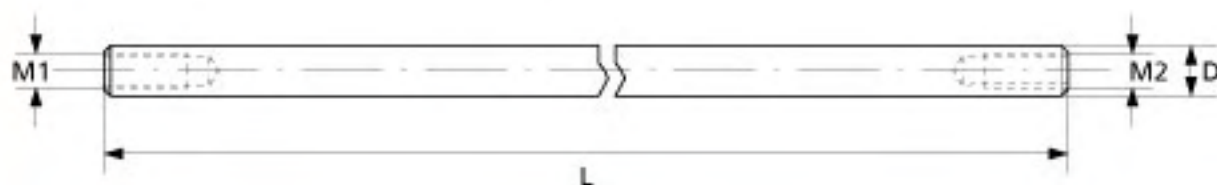


Stoss-Stangen für Barboy TORNOS
Pushrods for Barboy TORNOS



Drapeau poussette barboy

No	Corps D	L	M	Capacité
Nr.	Schaft D	L	M	Durchlass
Nr	Shank D	L	M	Capacity
V1300	5.00	373	M3	2 - 4
V1302	7.50	374	M5	2 - 7
V1304	8.00	374	M5	2 - 9
V1306	10.00	375	M6	7 - 11
V1308	12.00	375	M6	7 - 11
V1310	13.00	420	M7	13 - >

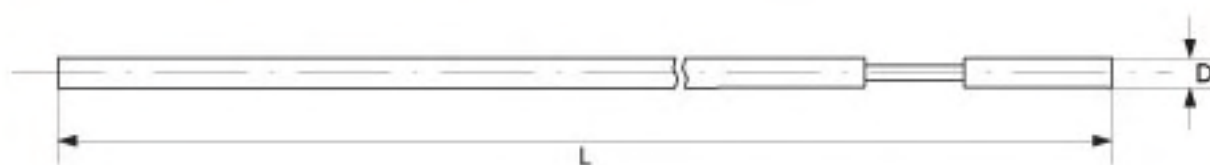


Tige de poussette barboy

No	Corps D	L	M1	M2
Nr.	Schaft D	L	M1	M2
Nr	Shank D	L	M1	M2
V1301	5.00	742	M3	M3
V1303	7.00	742	M5	M5
V1305	8.00	742	M5	M5
V1307	10.00	742	M6	M6
V1309	12.00	742	M6	M6
V1311	13.00	944	M7	M6



Stoss-Stangen für Stangenlader TORNOS Télébar
Pushrods for barloader TORNOS Télébar

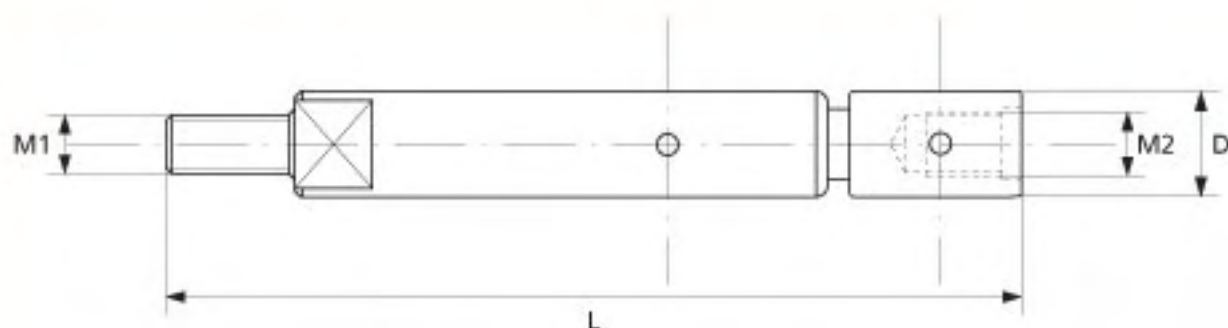


Poussettes Super télébar 24 et 30 tubes

No	Corps D	L
Nr.	Schaft D	L
Nr	Schank D	L
V1400	4.50	457
V1401	7.00	453
V1402	8.50	453

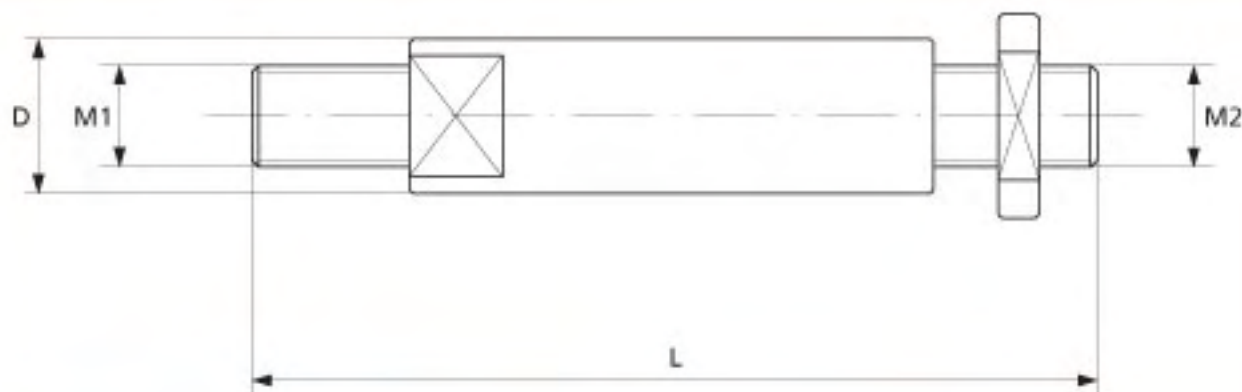


Drehende Endstücke für Super Télébar - Barboy
Revolving end pieces for Super Télébar - Barboy



Embouts super télébar 30 tubes

No	D	M2	M1	L
Nr.	D	M2	M1	L
Nr	D	M2	M1	L
V1030	4.50	M3	M3	62 mm
V1031	5.50	M3	M3	62 mm

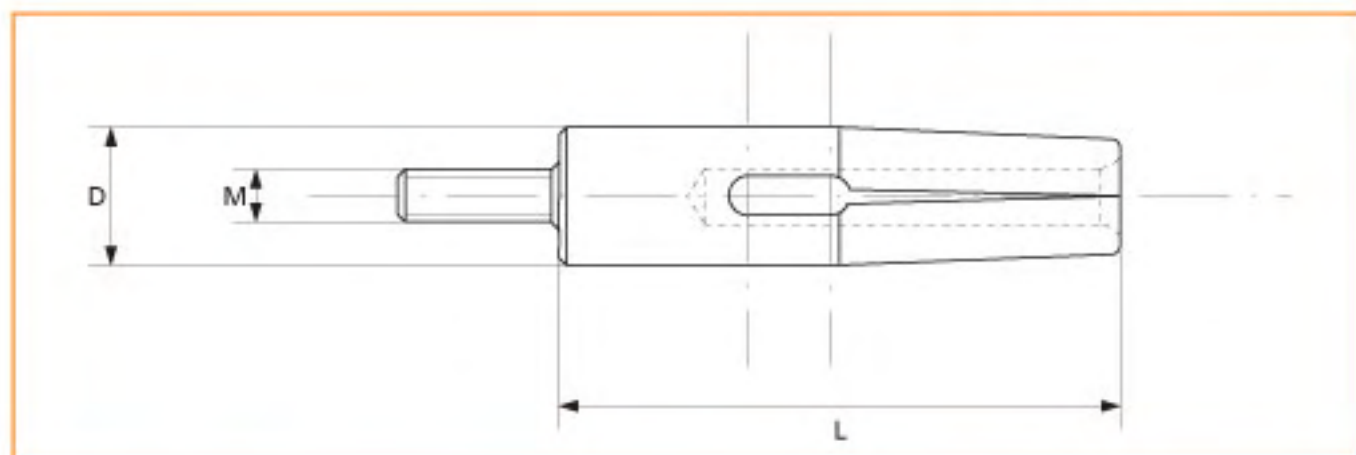


Embouts super télébar 24 tubes et barboy

No	D	M1	M2	L
Nr.	D	M1	M2	L
Nr	D	M1	M2	L
V1032	7.00	M5	M4	63 mm
V1033	7.50	M5	M4	63 mm
V1034	8.50	M5	M5	63 mm
V1035	10.50	M6	M6	70 mm
V1037	12.00	M6	M6	70 mm
V1038	13.00	M6	M6	70 mm
V1100	15.00	M7	M6	92 mm
V1101	16.00	M7	M8	92 mm
V1102	20.00	M7	M8	92 mm

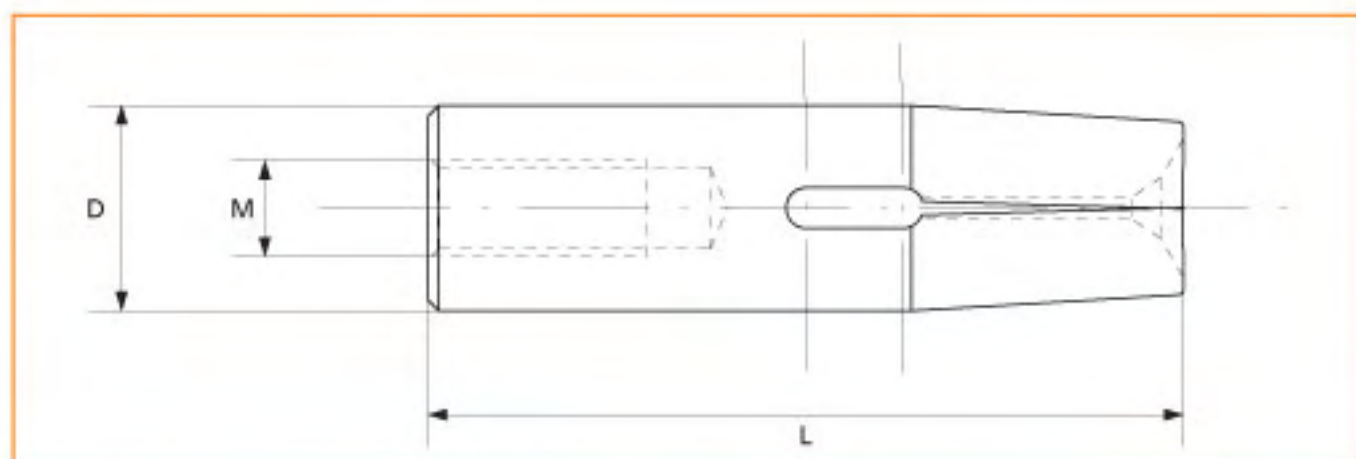


Zangen für Super Télébar - Barboy
Collets for Super Télébar- Barboy



Pinces d'embout super télébar 30 tubes

No	D	M	L
Nr.	D	M	L
Nr	D	M	L
V1600	4.50	M3 ext. / aussen / ext.	31 mm
V1031a	5.50	M3 ext. / aussen / ext.	31 mm

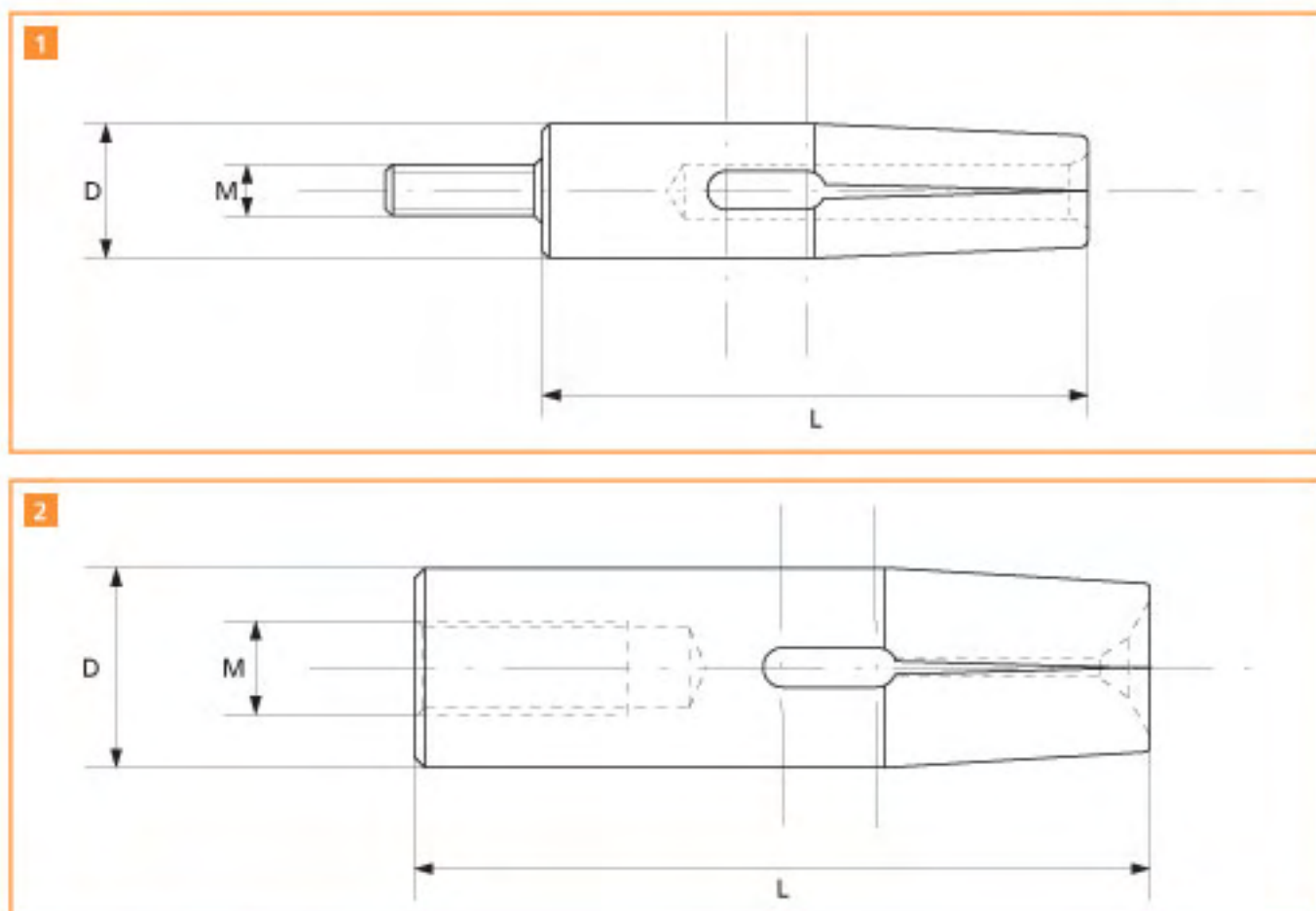


Pinces d'embout super télébar 24 tubes et vertical

No	D	M	L
Nr.	D	M	L
Nr	D	M	L
V1032a	7.50	M4 int. / innen / int.	30 mm
V1034a	8.50	M5 int. / innen / int.	30 mm



Zangen für Barboy
Collets for Barboy

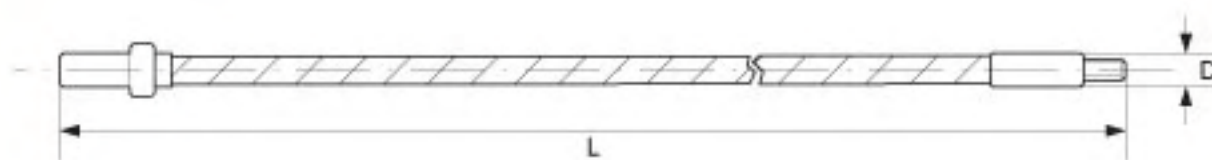


Pinces Barboy

No	D	M	L	Dessin No
Nr.	D	M	L	Zeichnung Nr.
Nr	D	M	L	Drawing Nr
V1031a	5.50	M3.00 ext. / aussen / ext.	31.00	1
V1032a	7.50	M4.00	30.00	2
V1034a	8.50	M5.00	30.00	2
V1035a	10.50	M6.00	35.00	2
V1037a	12.00	M6.00	35.00	2
V1608	15.00	M6.00	35.00	2
V1609	16.50	M8.00	33.00	2
V1121a	20.50	M8.00	33.00	2



Kabeln für Super Télébar & Robobar
Cables for Super Télébar & Robobar



Câbles super télébar 30 tubes

No	Ø Câble	Ø Embout D	Longueur L
Nr.	Ø Kabeln	Ø Endstück D	Länge L
Nr	Ø Cable	Ø End piece D	Length L
H29Q	3.80	4.80	2.00 m
H29M	3.80	4.80	3.00 m

Câbles super télébar 24 tubes

No	Ø Câble	Ø Embout D	Longueur L
Nr.	Ø Kabeln	Ø Endstück D	Länge L
Nr	Ø Cable	Ø End piece D	Length L
H29P	3.80	6.80	3.00 m

Câbles super télébar 24 tubes vertical

No	Ø Câble	Ø Embout D	Longueur L
Nr.	Ø Kabeln	Ø Endstück D	Länge L
Nr	Ø Cable	Ø End piece D	Length L
H29R	4.80	6.80	3.00 m

Câbles SSF227 24 tubes Robobar

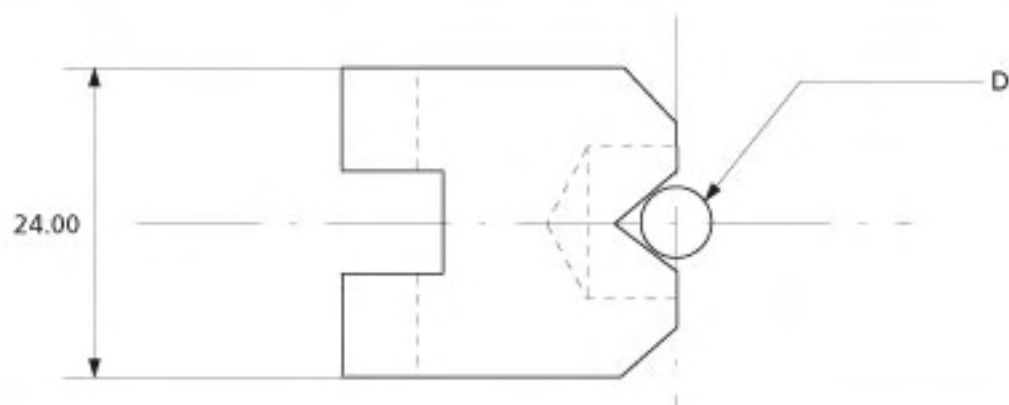
No	Ø Câble	Ø Embout D	Longueur L
Nr.	Ø Kabeln	Ø Endstück D	Länge L
Nr	Ø Cable	Ø End piece D	Length L
H227-24	3.80	6.80	3.94 m

Câbles SSF227 40 tubes Robobar

No	Ø Câble	Ø Embout D	Longueur L
Nr.	Ø Kabeln	Ø Endstück D	Länge L
Nr	Ø Cable	Ø End piece D	Length L
H227-40	3.80	4.80	3.94 m



Stangenlader TORNOS
TORNOS barloaders



Mors fixes / Feste Klemmbecken / Fixed jaws

No	
Nr.	
Nr.	
V9000	A spécifier le diamètre d'utilisation D Benutzungsdurchmesser zu spezifizieren D Diameter of use to be specified D



Stangenlader Multibar BECHLER
Multibar BECHLER barloaders

Multibar 320

Corps	Poussette	Poussette à corde	Poussette à chaîne	Embouts	Pinces
Schaft	Stoss-Stange	Stoss-Stange mit Schnur	Stoss-Stange mit Kette	Drehende Endstücke	Zangen
Shank	Pushrods	Pushrods with cord	Pushrods with chain	End pieces	Clamp collets
4.50		V1200	V1201	V1026	V1026a

Multibar 3000H

Corps	Poussette	Poussette à corde	Poussette à chaîne	Embouts	Pinces
Schaft	Stoss-Stange	Stoss-Stange mit Schnur	Stoss-Stange mit Kette	Drehende Endstücke	Zangen
Shank	Pushrods	Pushrods with cord	Pushrods with chain	End pieces	Clamp collets
5.00	V1214			V1027	V1027a
5.00	V1215				

Multibar 5.5

Corps	Poussette	Poussette à corde	Poussette à chaîne	Embouts	Pinces
Schaft	Stoss-Stange	Stoss-Stange mit Schnur	Stoss-Stange mit Kette	Drehende Endstücke	Zangen
Shank	Pushrods	Pushrods with cord	Pushrods with chain	End pieces	Clamp collets
5.50		V1202	V1203	V1106	V1802

Multibar 7

Corps	Poussette	Poussette à corde	Poussette à chaîne	Embouts	Pinces
Schaft	Stoss-Stange	Stoss-Stange mit Schnur	Stoss-Stange mit Kette	Drehende Endstücke	Zangen
Shank	Pushrods	Pushrods with cord	Pushrods with chain	End pieces	Clamp collets
7.00	V1216	V1204	V1206	V1028 lg 83	V1028a
7.00	V1217	V1205	V1207	V1028 lg 60	V1028a
7.00	V1218		V1208		

Multibar 10

Corps	Poussette	Poussette à corde	Poussette à chaîne	Embouts	Pinces
Schaft	Stoss-Stange	Stoss-Stange mit Schnur	Stoss-Stange mit Kette	Drehende Endstücke	Zangen
Shank	Pushrods	Pushrods with cord	Pushrods with chain	End pieces	Clamp collets
10.00	V1219	V1209	V1212	V1029 lg 102	V1029a
10.00	V1220	V1210		V1029 lg 86	V1029a
		V1211			



Stangenlader Multibar BECHLER
Multibar BECHLER barloaders

Multibar 12

Corps	Poussette	Poussette à corde	Poussette à chaîne	Embouts	Pinces
Schaft	Stoss-Stange	Stoss-Stange mit Schnur	Stoss-Stange mit Kette	Drehende Endstücke	Zangen
Shank	Pushrods	Pushrods with cord	Pushrods with chain	End pieces	Clamp collets
12.00	V1230			V1110 lg 122.0	V1122a
12.00	V1231			V907 lg 90.0	V1122b

Multibar 16

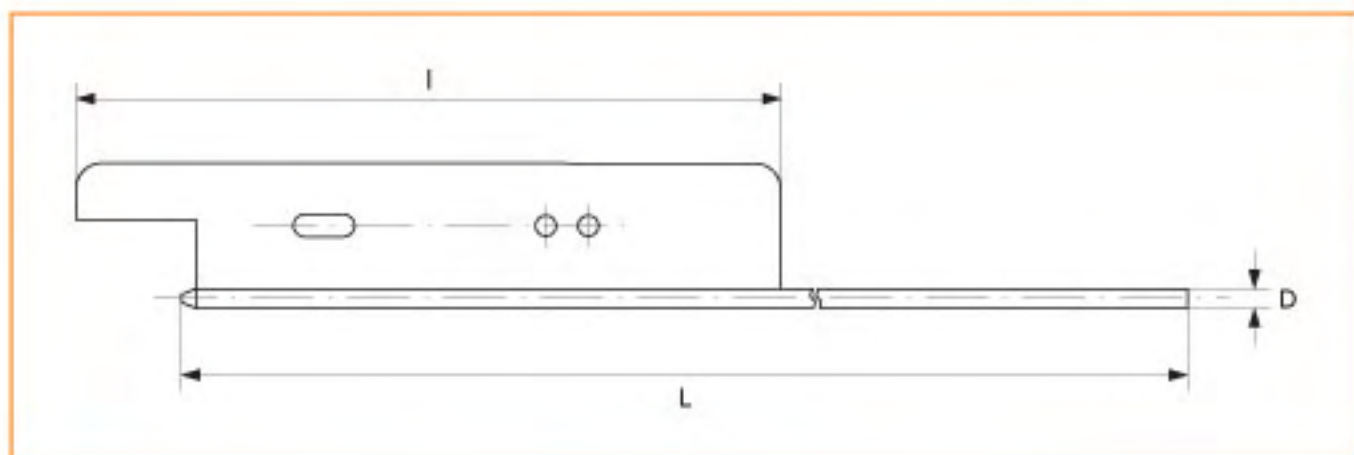
Corps	Poussette	Poussette à corde	Poussette à chaîne	Embouts	Pinces
Schaft	Stoss-Stange	Stoss-Stange mit Schnur	Stoss-Stange mit Kette	Drehende Endstücke	Zangen
Shank	Pushrods	Pushrods with cord	Pushrods with chain	End pieces	Clamp collets
16.00			V1213	V1117	V1123a V1807

Multibar 20

Corps	Poussette	Poussette à corde	Poussette à chaîne	Embouts	Pinces
Schaft	Stoss-Stange	Stoss-Stange mit Schnur	Stoss-Stange mit Kette	Drehende Endstücke	Zangen
Shank	Pushrods	Pushrods with cord	Pushrods with chain	End pieces	Clamp collets
20.00	V1221		V1222	V1118	V1124a V1809



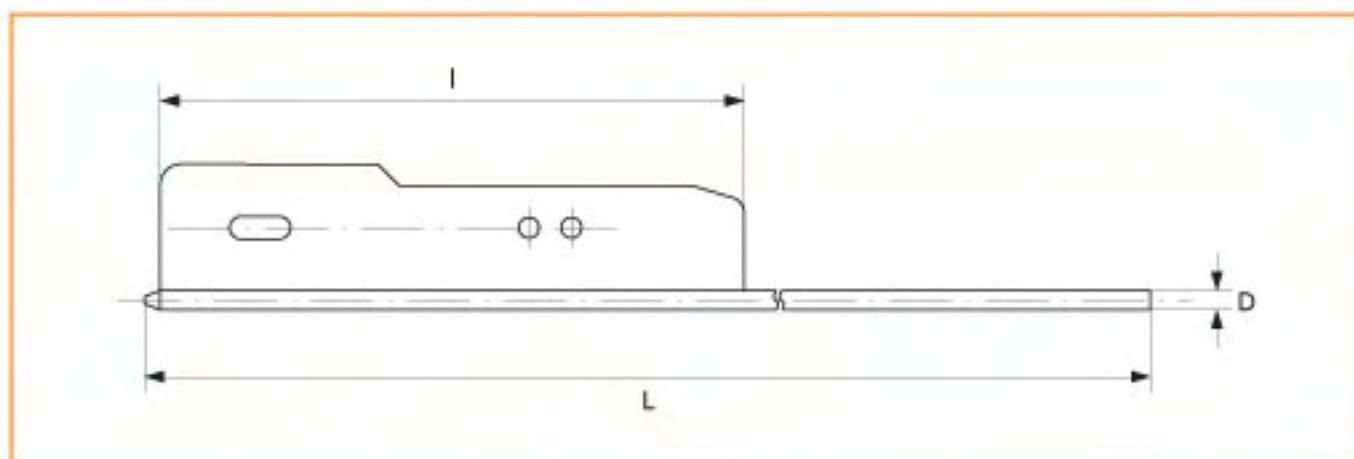
Stoss-Stangen Multibar BECHLER
Pushrods Multibar BECHLER



Poussettes à corde

Stoss-Stangen mit Schnur / Pushrods with string

No	Corps D	L	Drapeau l
Nr.	Schaft D	L	Fahne l
Nr	Shank D	L	Flags l
V1208	7.00	1305	460
V1211	10.00	1278	460
V1213	16.00	1266	460



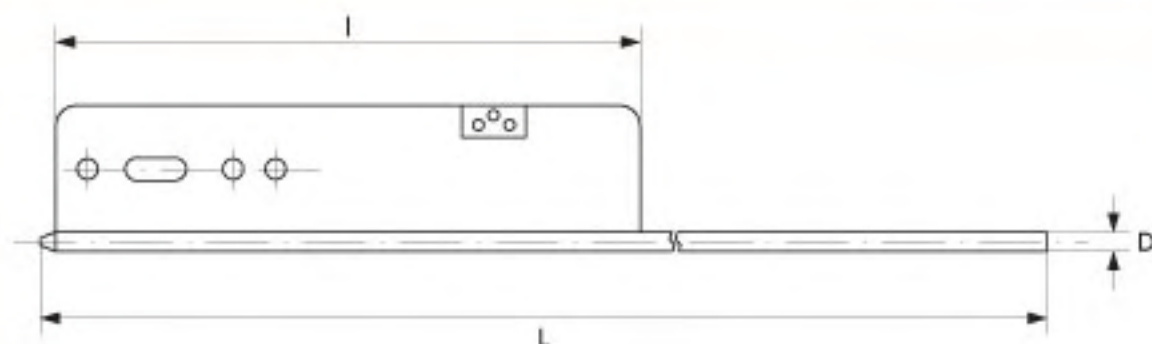
Poussettes à corde

Stoss-Stangen mit Schnur / Pushrods with string

No	Corps D	L	Drapeau l
Nr.	Schaft D	L	Fahne l
Nr	Shank D	L	Flags l
V1200	4.50	1033	400
V1202	5.50	1033	400
V1204	7.00	980	400
V1205	7.00	1029	400
V1209	10.00	948	400
V1210	10.00	1008	400



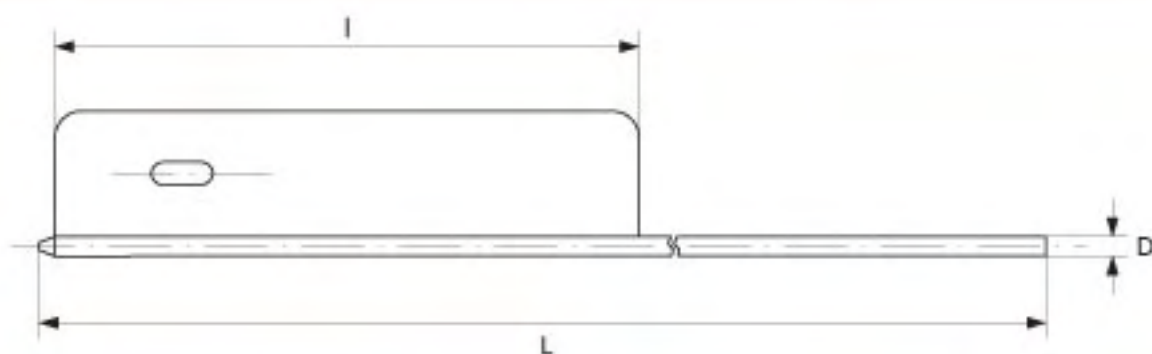
Stoss-Stangen Multibar BECHLER
Pushrods Multibar BECHLER



Poussettes à chaîne

Stoss-Stangen mit Kette / Pushrods with chain

No	Corps D	L	Drapeau l
Nr.	Schaft D	L	Fahne l
Nr	Shank D	L	Flags l
V1201	4.50	1033	400
V1203	5.50	1033	400
V1206	7.00	1019	400
V1207	7.00	1029	400
V1212	10.00	1019	400
V1222	20.00	1273	400

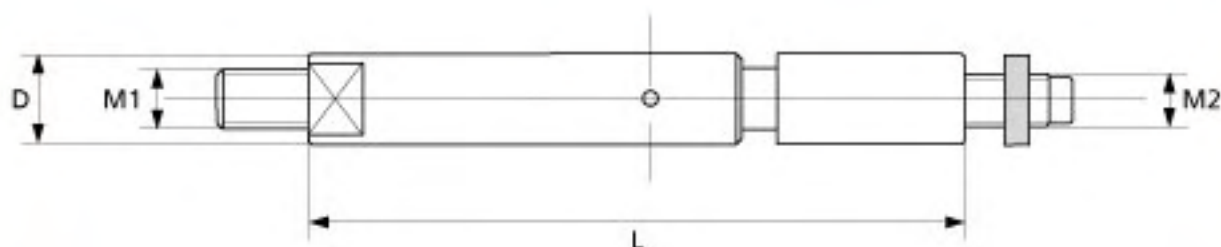


Poussettes / Stoss-Stangen / Pushrods type 73

No	Corps D	L	drapeau l
Nr.	Schaft D	L	Fahne l
Nr	Shank D	L	Flags l
V1214	5.00	733	160
V1215	5.00	917	200
V1216	7.00	753	160
V1217	7.00	965	160
V1218	7.00	980	160
V1219	10.00	712	160
V1220	10.00	948	220
V1221	20.00	925	220
V1230	12.00	980	220
V1231	12.00	712	160

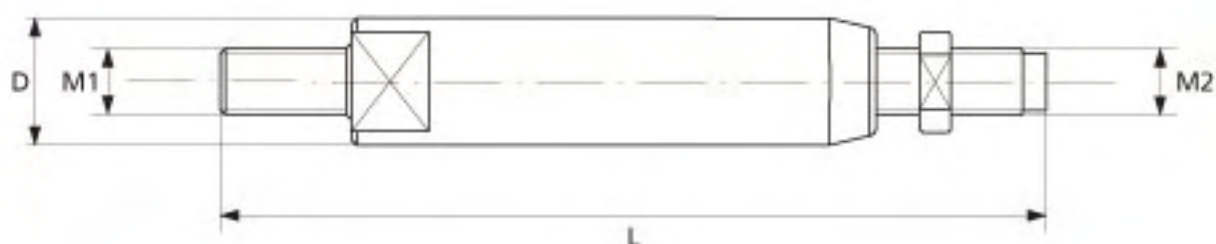


Drehende Endstücke Multibar BECHLER
End pieces Multibar BECHLER



Embouts Multibar Bechler Drehende Endstücke / End pieces

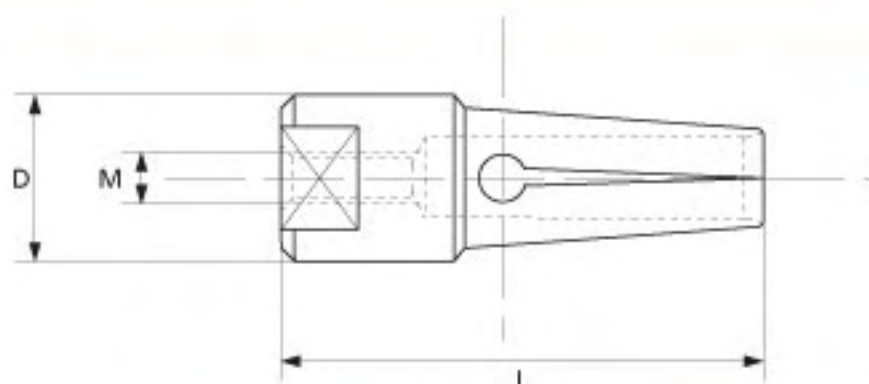
No	Corps D	M1	M2	L
Nr.	Schaft D	M1	M2	L
Nr	Shank D	M1	M2	L
V1026	4.50	M3.00	M2.50	54
V1027	5.00	M3.50	M3.00	80
V1106	5.50	M4	M3.50	57



No	Corps D	M1	M2	L
Nr.	Schaft D	M1	M2	L
Nr	Shank D	M1	M2	L
V1028 lg 60	7.00	M5.00	M4.00	60
V1028 lg 83	7.00	M5.00	M4.00	83
V1029 lg 86	10.00	M6.00	M5.00	86
V1029 lg 102	10.00	M6.00	M5.00	102
V907	12.00	M8.00	M5.00	90
V1110 lg 122	12.00	M8.00	M5.00	122
V1117	16.00	M12.00	M6.00	100
V1118	20.00	M16.00	M8 x 1	104

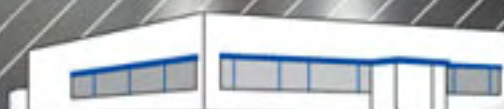


Zangen Multibar BECHLER
Clamp collets Multibar BECHLER



Pinces Multibar / Zangen / Clamp collets

No	Corps D	M	L
Nr.	Schaft D	M	L
Nr	Shank D	M	L
V1026a	4.50	M2.50	22.00
V1027a	5.00	M3.00	22.00
V1802	5.50	M3.50	22.00
V1028a	7.00	M4.00	22.00
V1029a	10.00	M5.00	26.00
V1122a	12.00	M5.00	26.00
V1122b	12.00	M5.00	60.00
V1123a	16.00	M6.00	30.00
V1807	16.00	M6.00	60.00
V1124a	20.00	M8 x 1	30.00
V1809	20.00	M8 x 1	60.00



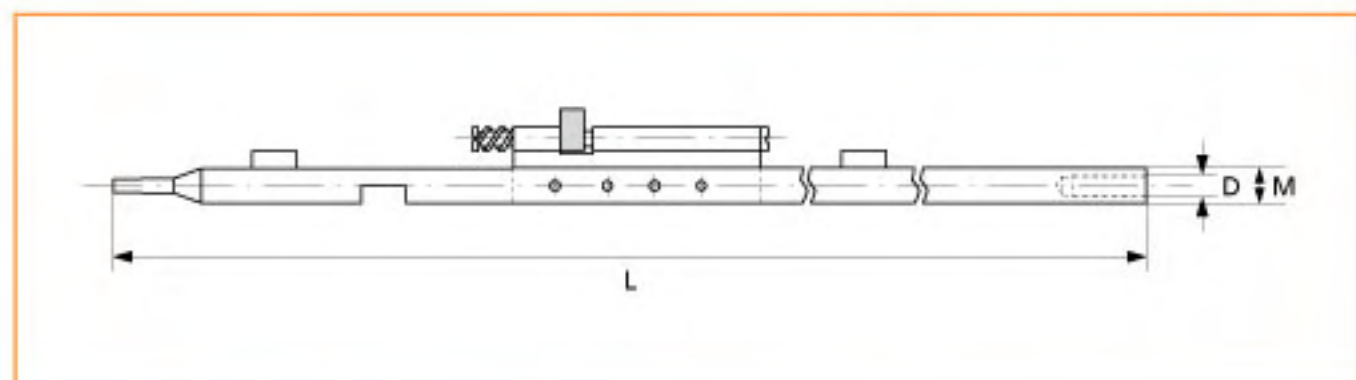
Stangenlader CADDIE AS-14 / SAS-16
CADDIE AS-14 / SAS-16 barloaders

Caddie (AS-14 / SAS-16)

Corps	Poussette	Embouts	Pinces
Schaft	Stoss-Stange	Drehende Endstücke	Zangen
Shank	Pushrods	End pieces	Clamp collets
8.50	V8.50	V1111	V1699
9.50	V9.50	V1112	V1700
10.50	V10.50	V1103	V1125a
12.50	V12.50	V1104	V1126a
15.00	V15.00	V1105	V1127a
16.50	V16.50	V1113	V1128a

Poussettes pour ravitailleurs TORNOS CADDIE

Stoss-Stangen für Stangenlader TORNOS CADDIE
Pushrods for TORNOS CADDIE barloaders

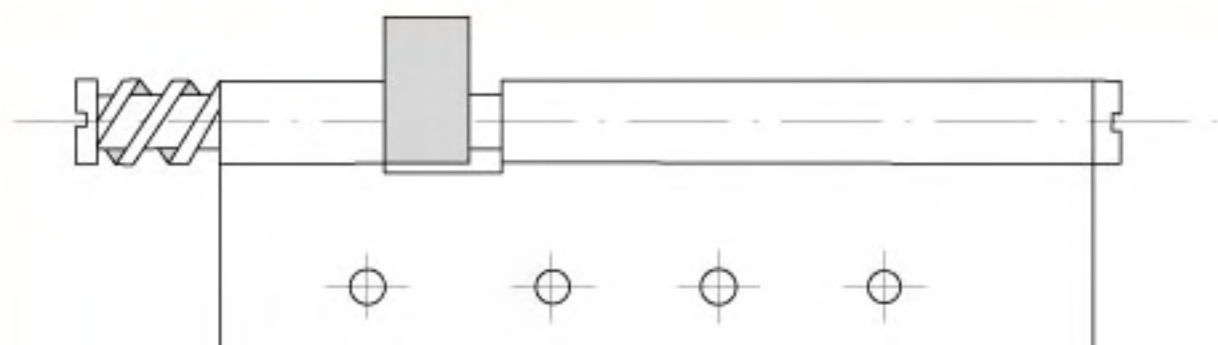


Poussettes caddie

No	Corps D	M à gauche	L	Capacité
Nr.	Schaft D	M links	L	Durchlass
Nr	Shank D	M left	L	Capacity
V8.50	8.50	M5	939.00	4.00 - 6.50
V9.50	9.50	M6	927.00	6.50 - 8.50
V10.50	10.50	M6	927.00	7.50 - 9.50
V12.50	12.50	M6	927.00	9.50 - 10.50
V15.00	15.00	M7	914.00	10.50 - 13.50
V16.50	16.50	M8	914.00	13.50 - 16.00



Stoss-Stangen Fahne Caddie
Caddie pushrods flags



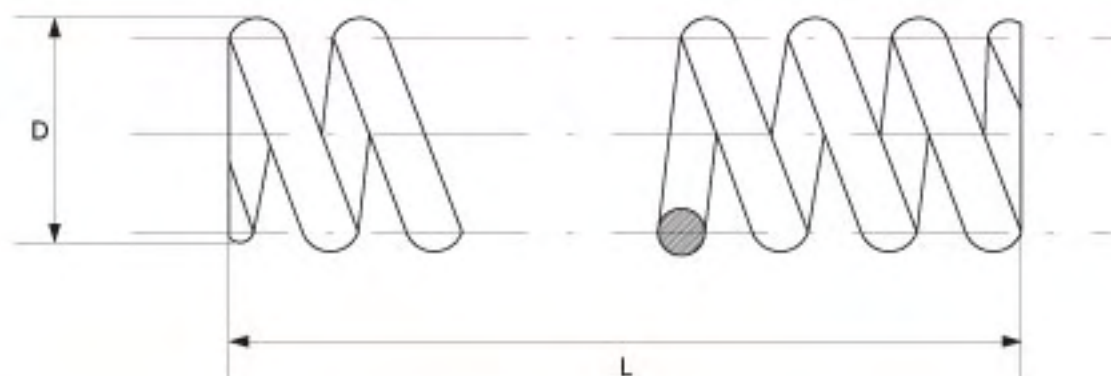
Drapaux Caddie

Stoss-Stangen Fahne Caddie / Pushrods flag Caddie

No DPCA

Nr. DPCA

Nr DPCA



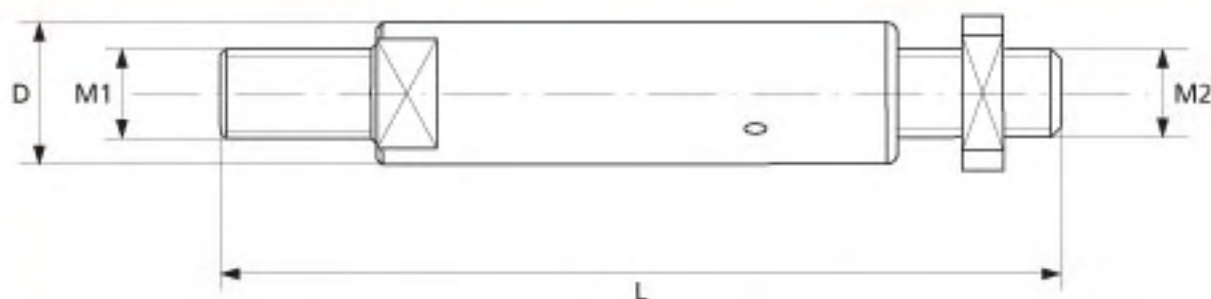
Ressort de compression Caddie

Druckfedern Caddie / Compression Spings Caddie

No	Corps D	L
Nr.	Schaft D	L
Nr	Shank D	L
RECA85	8.50	13
RECA95	9.50	84

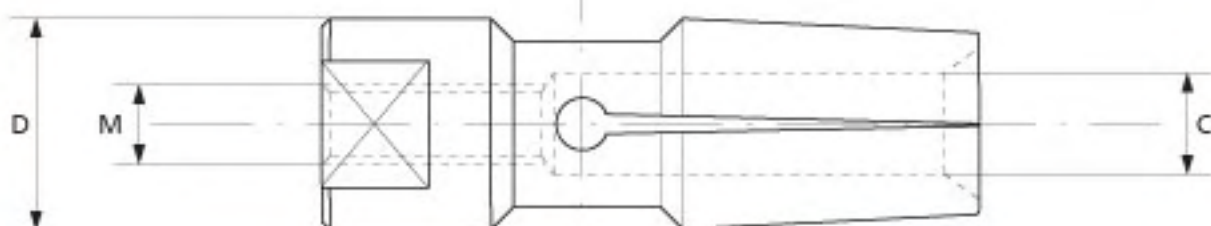


Drehende und Zangen für Stangenlader TORNOS Caddie
End pieces and collets for TORNOS Caddie barloaders



Embouts Caddie / Drehende Endstücke / End pieces

No	Corps D	M1 gauche	M2 gauche	L
Nr.	Schaft D	M1 links	M2 links	L
Nr	Shank D	M1 left	M2 left	L
V1111	8.50	M5	M5	72.00
V1112	9.50	M6	M6	72.00
V1103	10.50	M6	M6	72.00
V1104	12.50	M6	M6	72.00
V1105	15.00	M7	M6	92.00
V1113	16.50	M8	M8	92.00

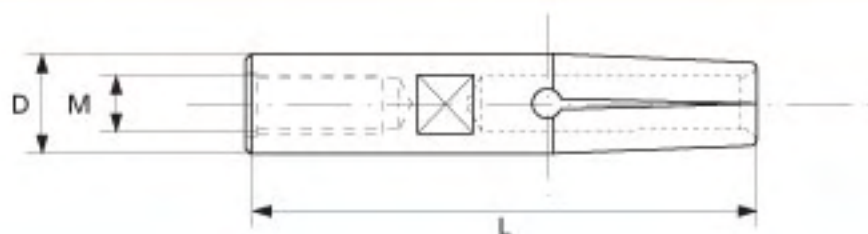


Pinces Caddie / Zangen / Clamp collets

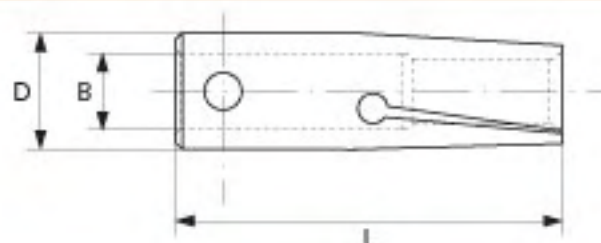
No	Corps D	Capacité C	M gauche
Nr.	Schaft D	Durchlass C	M gauche
Nr	Shank D	Capacity C	M gauche
V1699	8.50	2 - 7	M5
V1700	9.50	2 - 8	M6
V1125a	10.50	3 - 9	M6
V1126a	12.50	4 - 11	M6
V1127a	15.00	4 - 13	M6
V1128a	16.50	5 - 14.50	M8



Stangenlader TORNOS Robobar
TORNOS barloaders Robobar

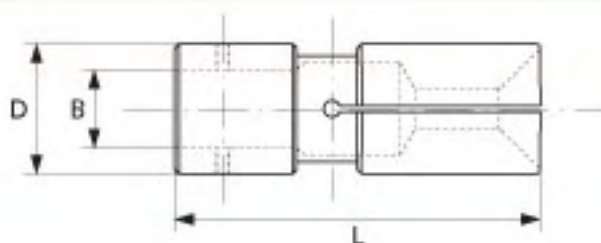


No	Corps D	Alésage	M	L
Nr.	Schaft D	Bohrung	M	L
Nr	Shank D	Bore	M	L
V4005	5.00	1.50 - 4.00	M4	37.00
V4007	7.00	2.00 - 5.50	M5	37.00



Pinces Robobar / Zangen / Collets

No	Corps D	Alésage	B	L
Nr.	Schaft D	Bohrung	B	L
Nr	Shank D	Bore	B	L
V4010	10.00	3.00 - 8.00	7	40.00
V4012	12.00	4.00 - 10.00	8	40.00
V4015	15.00	7.00 - 13.00	11	40.00
V4016	16.00	8.00 - 14.00	11	40.00
V4018	18.00	8.00 - 15.50	11	40.00
V4020	20.00	10.00 - 17.50	14	65.00
V4025	25.00	15.00 - 22.50	20	65.00
V4030-65	30.00	20.00 - 27.50	20	65.00
V4032-65	32.00	20.00 - 29.00	20	65.00



No	Corps D	Alésage	B	L
Nr.	Schaft D	Bohrung	B	L
Nr	Shank D	Bore	B	L
V4030-90	30.00	20.00 - 27.50	20	90.00
V4032-90	32.00	20.00 - 29.00	20	90.00
V4036-90	36.00	20.00 - 33.00	20	90.00



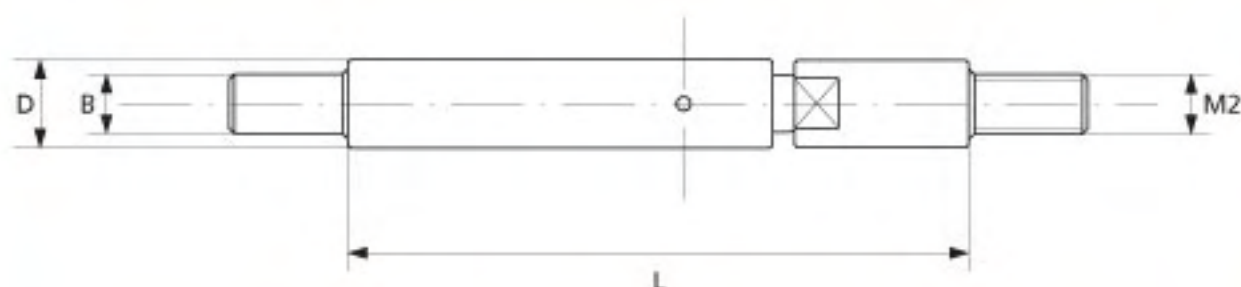
Stangenlader TORNOS Robobar
TORNOS barloaders Robobar



Embouts Robobar

Drehende Endstücke / Revolving end pieces

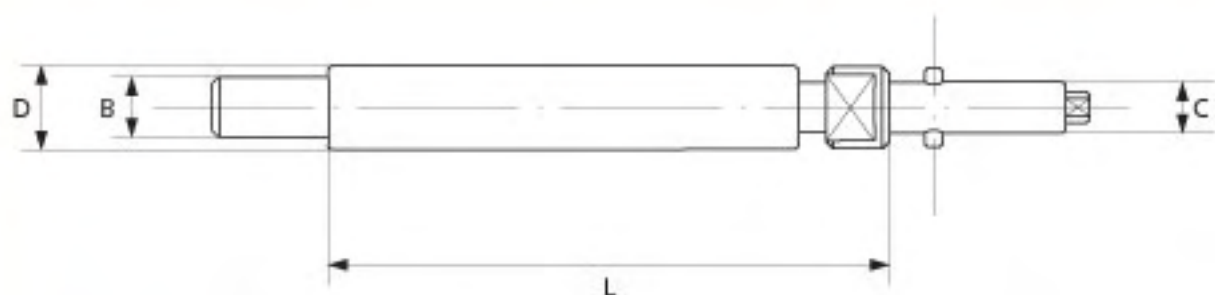
No	Corps D	M1	M2	L
Nr.	Schaft D	M1	M2	L
Nr	Shank D	M1	M2	L
ROB-5.50	5.50	M3	M4	78



No	Corps D	B	M2	L
Nr.	Schaft D	B	M2	L
Nr	Shank D	B	M2	L
ROB-7.50	7.50	∅ 5 h 7	M5	78

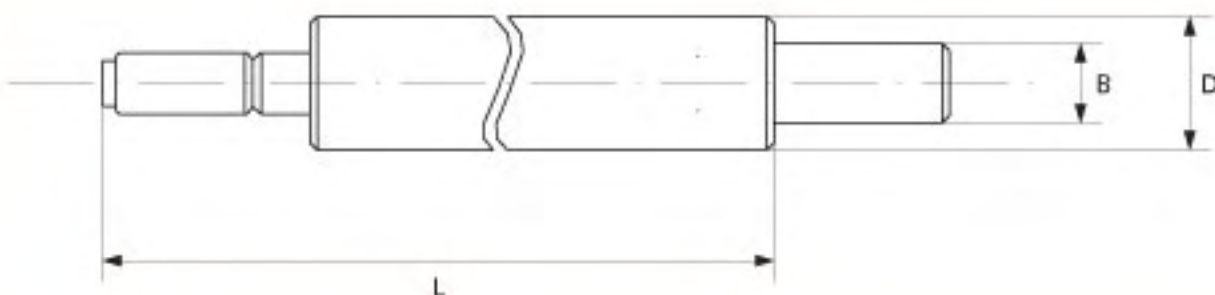


Stangenlader TORNOS Robobar
TORNOS barloaders Robobar



Embouts Robobar / Drehende Endstücke / Revolving end pieces

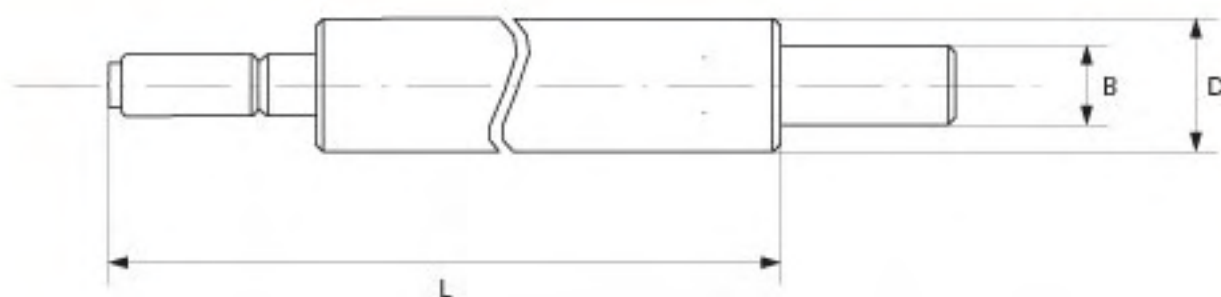
No	Corps D	B	C	L
Nr.	Schaft D	B	C	L
Nr	Shank D	B	C	L
ROB-10.50	10.50	7	7	75.00
ROB-12.50	12.00			
ROB-16.00	16.00	10	11	120.00
ROB-18.00	18.00			
ROB-20.50	20.50	14	14	120.00
ROB-26.00	26.00	20	20	120.00



No	Corps D	B	L
Nr.	Schaft D	B	L
Nr	Shank D	B	L
ROB-30.00	30.00	22	197.00
ROB-32.00	32.00	24	197.00
ROB-36.00	36.00	30	207.00



Stangenlader FMB TURBO
FMB TURBO barloaders



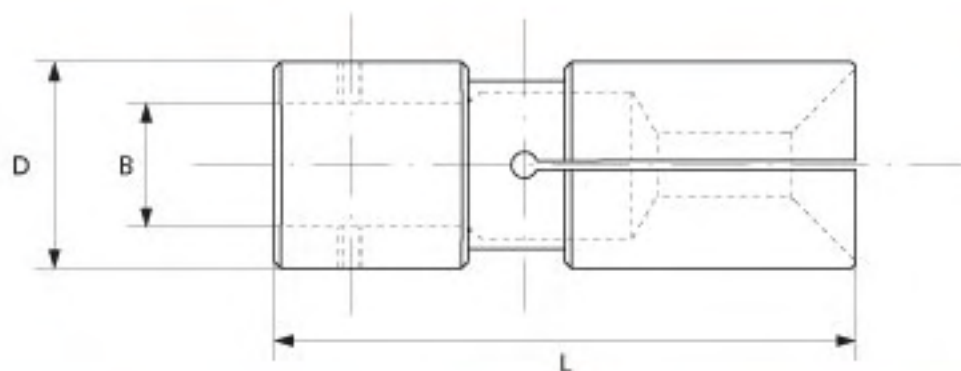
Embouts FMB Turbo

Drehende Endstücke / Revolving end pieces

No	Corps D	B	L
Nr.	Schaft D	B	L
Nr	Shank D	B	L
S9025-197	25.00	20	197.00
S9030-197	30.00	22	197.00
S9032-197	32.00	24	197.00
S9034-197	34.00		197.00
S9036-197	36.00	30	197.00
S9038-197	38.00	30	197.00
S9040-207	40.00		207.00
S9042-207	42.00	34	207.00
S9045-207	45.00	36	207.00
S9050-207	50.00	42	207.00
S9054-232	54.00		232.00
S9058-232	58.00		232.00
S9060-232	60.00	52	232.00
S9063-232	63.00	55	232.00
S9065-232	65.00	58	232.00
S9070-232	70.00		232.00
S9075-232	75.00		232.00
S9080-232	80.00	70	232.00
S9090-232	90.00		232.00
S90100-232	100.00		232.00



Stangenlader FMB TURBO
FMB TURBO barloaders



Pinces FMB Turbo / Zangen / Collets

No	Corps D	L
Nr.	Schaft D	L
Nr	Shank D	L
V4025-90	25.00	90.00
V4030-90	30.00	90.00
V4032-90	32.00	90.00
V4034-90	34.00	90.00
V4036-90	36.00	90.00
V4038-90	38.00	90.00
V4040-90	40.00	90.00
V4042-90	42.00	90.00
V4045-90	45.00	90.00
V4050-90	50.00	90.00
V4054-90	54.00	90.00
V4058-90	58.00	90.00
V4060-90	60.00	90.00
V4065-90	65.00	90.00
V4080-90	80.00	90.00
V4090-90	90.00	90.00
V4100-110	100.00	110.00



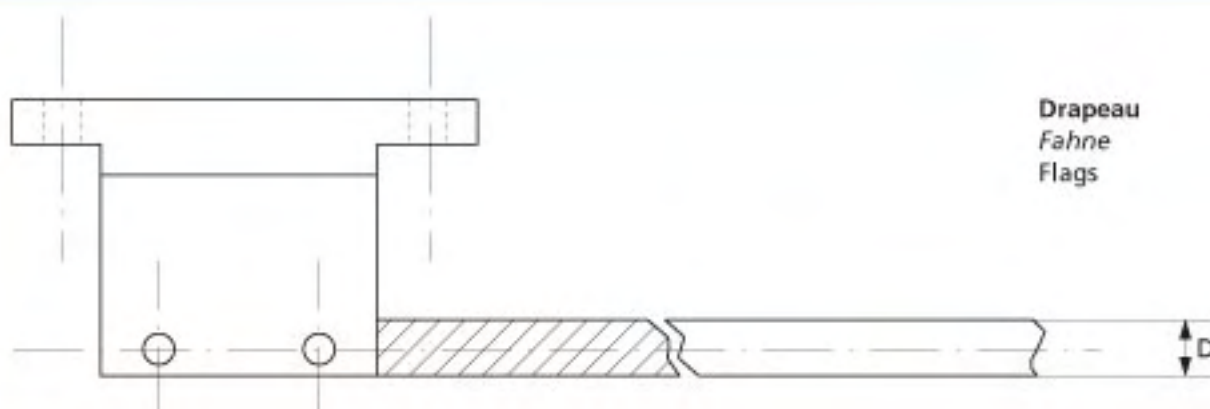
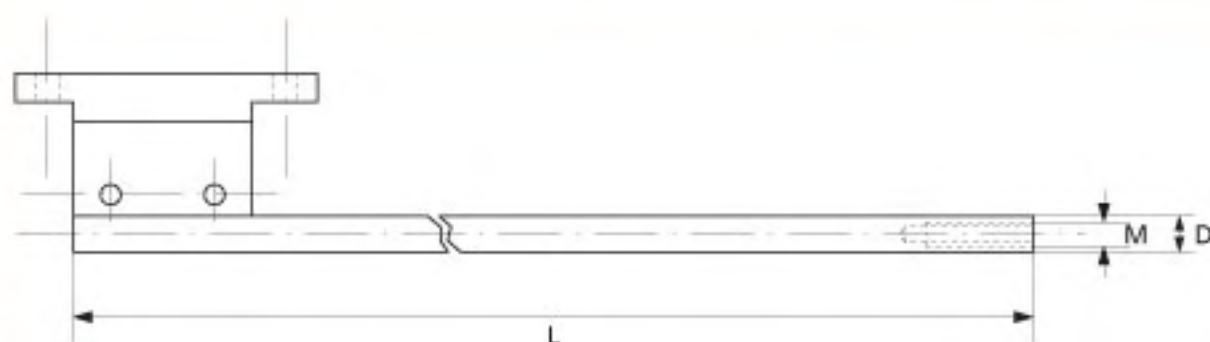
Stangenlader BECHET
BECHET barloaders

Bechet

Corps	Poussette	Embout	Pinces
Schaft	Stoss-Stange	Drehende Endstücke	Zangen
Shank	Pushrods	End pieces	Clamp Collets
5.00	V1500	V1027	V1027a
5.00	V1500a	V1031	V1031a
7.00	V1501	V1506	V4007
7.00	V1501a	V1028 lg 83	V1028a
10.00	V1502	V1507	V4010
10.00	V1502a	V1029 lg 102	V1029a
12.00	V1503	V1508	V4012
12.00	V1503a	V1110 lg 122	V1122a
		V907 lg 90	V1122a
15.00	V1504	V1509	V4015
15.00	V1504a	V1100	V1608
20.00	V1505	V1510	V4020
20.00	V1505a	V1118	V1124a



Stangenlader BECHET
BECHET barloaders

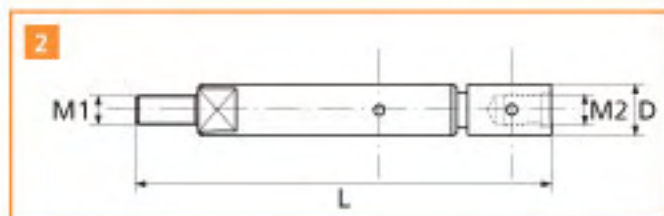
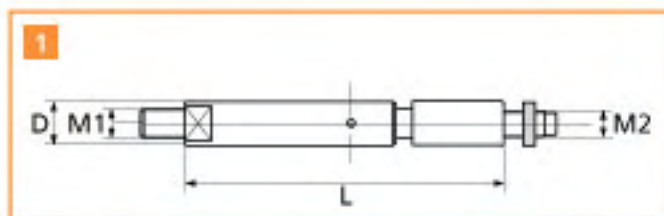


Poussettes Bechet / Stoss-Stangen / Pushrods Bechet

No	Corps D	M	L
Nr.	Schaft D	M	L
Nr	Shank D	M	L
V1500	5.00	M3.50	923.00
V1500a	5.00	M3.00	921.00
V1501	7.00	M5.00	881.00
V1501a	7.00	M5.00	916.00
V1502	10.00	M7.00	838.50
V1502a	10.00	M6.00	892.50
V1503	12.00	M8.00	838.00
V1503a	12.00	M8.00	910.00
V1504	15.00	M10.00	839.00
V1504a	15.00	M7.00	895.00
V1505	20.00	M14.00	787.00
V1505a	20.00	M16.00	885.00

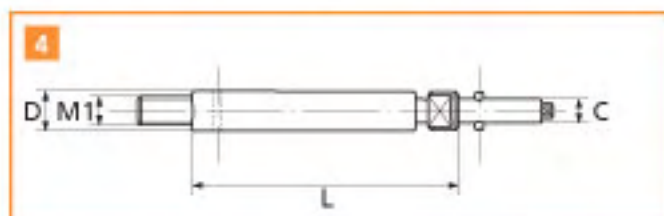
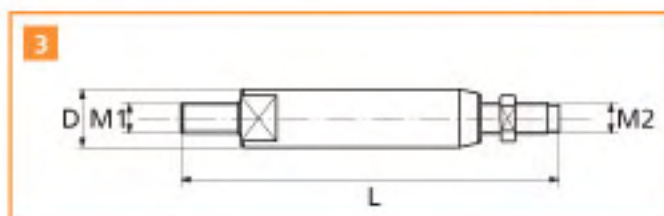


Stangenlader BECHET
BECHET barloaders



Embouts Bechet / Drehende Endstücke / Revolving end pieces

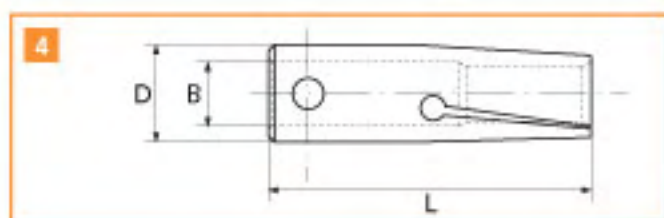
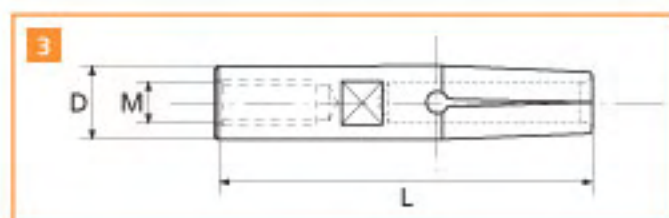
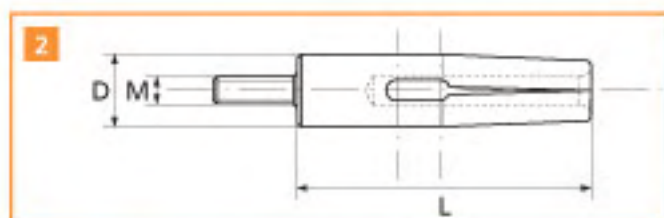
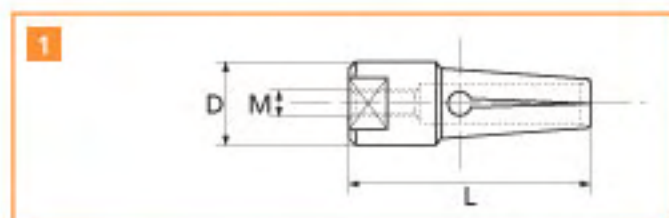
No	Corps D	M1	M2	L	Dessin No
Nr.	Schaft D	M1	M2	L	Zeichnung Nr.
Nr	Shank D	M1	M2	L	Drawing Nr
V1027	5.00	M3.50	M3.00	58.50	1
V1031	5.50	M3.00	M3.00	54.50	2
V1506	7.00	M5.00	M5.00	78.50	1



No	Corps D	M1	M2	C	L	Dessin No
Nr.	Schaft D	M1	M2	C	L	Zeichnung Nr.
Nr	Shank D	M1	M2	C	L	Drawing Nr
V1028 lg 83	7.00	M5.00	M4.00		83.00	3
V1507	10.00	M7.00		7.00	116.00	4
V1029 lg 102	10.00	M6.00	M5.00		102.00	3
V1508	12.00	M8.00		8.00	116.00	4
V1110 lg 122	12.00	M8.00	M8.00		122.00	3
V907 lg 90	12.00	M8.00	M5.00		90.00	3
V1509	15.00	M10.00		11.00	116.00	4
V1100	15.00	M7.00	M6.00			3
V1510	20.00	M14.00		14.00	148.00	4
V1118	20.00	M7.00	M8.00			3



Stangenlader BECHET
BECHET barloaders

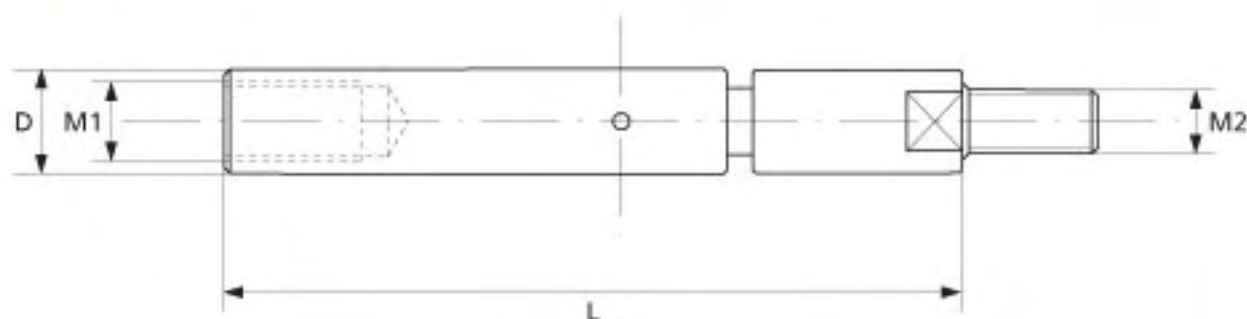


Pinces Bechet / Zangen / Clamp collets

No	Corps D	M	B	L	Dessin No
Nr.	Schaft D	M	B	L	Zeichnung Nr.
Nr	Shank D	M	B	L	Drawing Nr
V1027a	5.00	M3.00		22.00	1
V1031a	5.50	M3.00		31.00	2
V4007	7.00	M5.00		37.00	3
V1028a	7.00	M4.00		22.00	1
V4010	10.00		7.00	40.00	4
V1029a	10.00	M5.00		26.00	1
V4012	12.00		8.00	40.00	4
V1122a	12.00	M5.00		26.00	1
V4015	15.00		11.00	40.00	4
V1608	15.00	M6.00		35.00	1
V4020	20.00		14.00	65.00	4
V1124a	20.00	M8.00 x 1.00		30.00	1

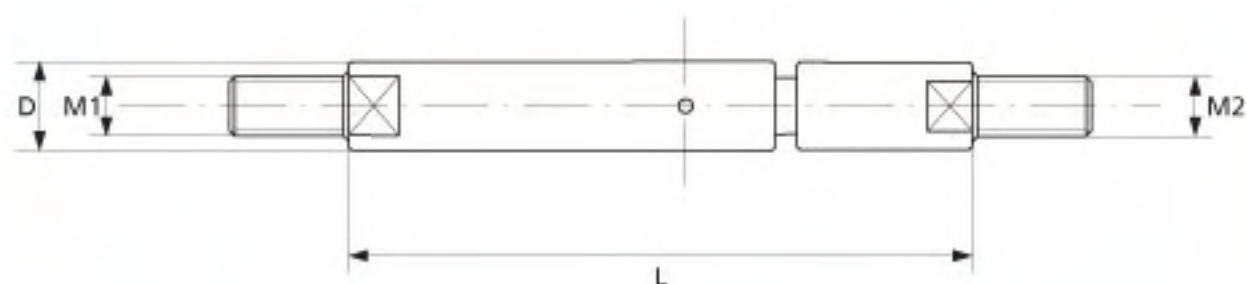


Stangenlader FMB, TRAUB, IEMCA, LNS, SAMECA
FMB, TRAUB, IEMCA, LNS, SAMECA barloaders



Embouts / Drehende Endstücke / Revolving end pieces

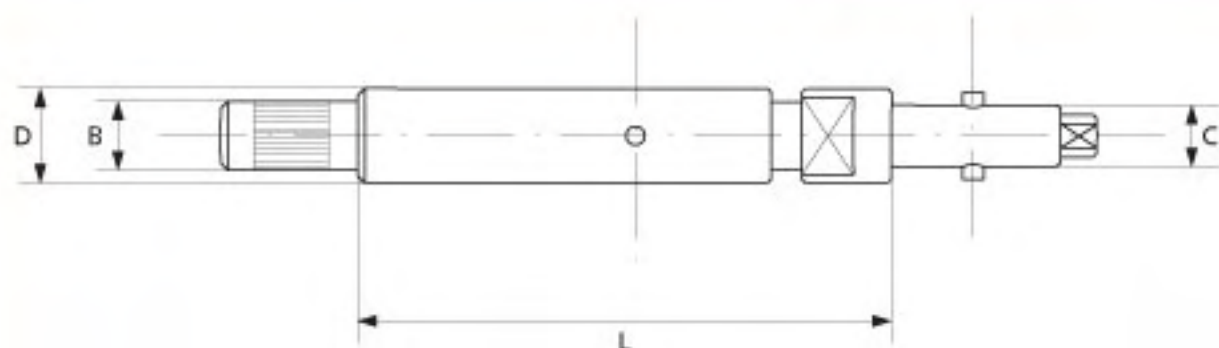
No	Corps D	M1	M2	L
Nr.	Schaft D	M1	M2	L
Nr	Shank D	M1	M2	L
S9005A	5.50	4.50	M4	69.00
S9007B	7.50	M6 x 0.75	M5	132.00
S9007C	7.00			76.00



No	Corps D	M1	M2	L
Nr.	Schaft D	M1	M2	L
Nr	Shank D	M1	M2	L
S9005B	5.50	M4	M4	74.00
S9007A	7.00	M5	M5	78.50



Stangenlader FMB, TRAUB, IEMCA, LNS, SAMECA
FMB, TRAUB, IEMCA, LNS, SAMECA barloaders

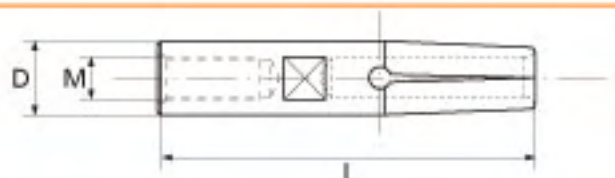


Embouts / Drehende Endstücke / Revolving end pieces

No	Corps D	B	C	L
Nr.	Schaft D	B	C	L
Nr	Shank D	B	C	L
S9010	10.50	8	7	51.00
S9012	12.50	8	8	51.00
S9015	15.50	12	11	51.00
S9018	18.00	12	11	51.00
S9020	20.00	17	14	56.00
S9025	25.00	20	20	58.50

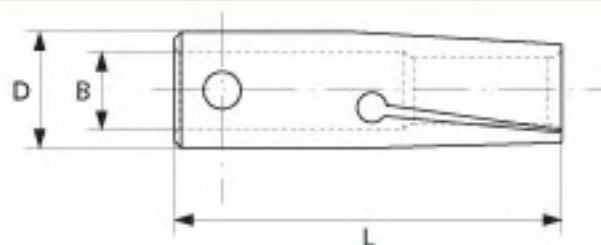


Stangenlader FMB, TRAUB, IEMCA, LNS, SAMECA
FMB, TRAUB, IEMCA, LNS, SAMECA barloaders



Pinces / Zangen / Collets

No	Corps D	Alésage	M	L
Nr.	Schaft D	Bohrung	M	L
Nr	Shank D	Bore	M	L
V4005	5.00	1.50 - 4.00	M4	37.00
V4007	7.00	2.00 - 5.50	M5	37.00



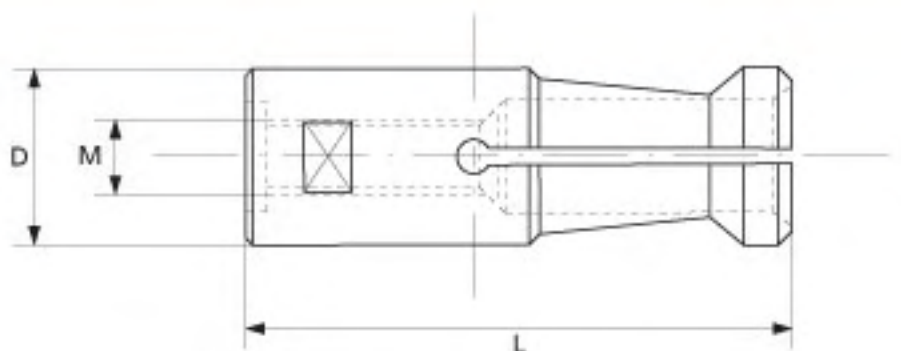
No	Corps D	Alésage	B	L
Nr.	Schaft D	Bohrung	B	L
Nr	Shank D	Bore	B	L
V4010	10.00	3.00 - 8.00	7	40.00
V4012	12.00	4.00 - 10.00	8	40.00
V4015	15.00	7.00 - 13.00	11	40.00
V4016	16.00	8.00 - 14.00	11	40.00
V4018	18.00	8.00 - 15.50	11	40.00
V4020	20.00	10.00 - 17.50	14	65.00
V4025	25.00	15.00 - 22.50	20	65.00
V4028-65	28.00	20.00 - 25.50	20	65.00
V4030-65	30.00	20.00 - 27.50	20	65.00
V4032-65	32.00	20.00 - 29.00	20	65.00
V4036-65	36.00	20.00 - 33.00	20	65.00

Autres dimensions sur demande / Andere Durchmesser auf Anfrage / Over size on request

No	Corps D	Alésage	B	L
Nr.	Schaft D	Bohrung	B	L
Nr	Shank D	Bore	B	L
V4008				
V4013	13.00	4.00 - 11.00		40
V4014	14.00	5.00 - 12.50		40
V4017	17.00	8.00 - 15.00		40
V4019	19.00	8.00 - 16.50		40
V4021	21.00	12.00 - 18.50		65
V4022	22.00	15.00 - 19.50		65
V4023	23.00	15.00 - 20.50		65
V4024	24.00	15.00 - 21.50		65
V4026	26.00	20.00 - 23.50		65



Stangenlader IEMCA
IEMCA barloaders



Pinces IEMCA / Zangen / Collets

No	Corps D	L	M
Nr.	Schaft D	L	M
Nr	Shank D	L	M
V110550	5.50	37	M4 x 0.50
V110700	7.00	40	M5 x 0.50
V110750	7.50	40	M5 x 0.50
V111000	10.00	40	M6 x 0.75
V111200	12.00	42	M7 x 0.75
V111500	15.00	42	M8 x 1.00
V111600	16.00	42	M8 x 1.00
V111800	18.00	42	M8 x 1.00
V112000	20.00	59	M10 x 1.00
V112300	23.00	59	M10 x 1.00
V112500	25.00	59	M10 x 1.00
V113000	30.00	59	M10 x 1.00



Embouts IEMCA / Drehende Endstücke / Revolving end pieces

No	Corps D	L	M1	M2
Nr.	Schaft D	L	M1	M2
Nr	Shank D	L	M1	M2
V100550	5.50	69		M4
V100750	7.50	122	M6 x 0.75	M5 x 0.50
V101000	10.00	110	M8 x 0.75	M6 x 0.75
V101200	12.00		M10 x 1.00	M7 x 0.75
V101500	15.00		M12 x 1.50	M8 x 1.00
V101600	16.00			M8 x 1.00
V101800	18.00			M8 x 1.00
V102000	20.00		M14 x 1.50	M10 x 1.00
V102300	23.00			M10 x 1.00
V102500	25.00		M14 x 1.50	M10 x 1.00
V103000	30.00		M14 x 1.50	

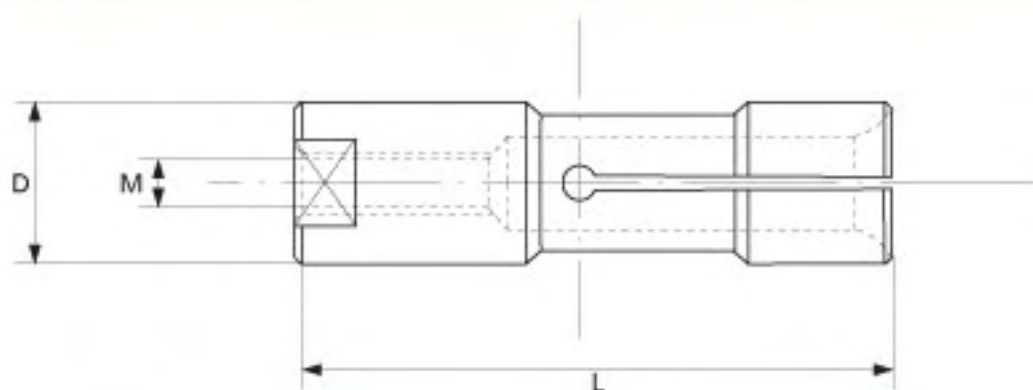


Stangenlader CUCCHI
CUCCHI barloaders



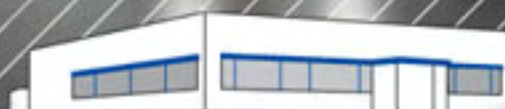
Embouts Cucchi / Drehende Endstücke / Revolving end pieces

No	Corps D	L	M1	M2
Nr.	Schaft D	L	M1	M2
Nr	Shank D	L	M1	M2
V201000	10.00	108	M7	M6 x 0.75
V201200	12.00	108	M8	M7 x 0.75
V201400	14.00	103	M10	M8 x 1.00
V201600	16.00	108	M10	M8 x 1.00
V201900	19.00	108	M12	M10 x 1.00
V202500	25.00	117	M20 x 1.50	M14 x 1.00
V203000	30.00	123.50	M24 x 1.50	M18 x 1.50



Pinces Cucchi / Zangen / Collets

No	Corps D	L	M
Nr.	Schaft D	L	M
Nr	Shank D	L	M
V211000	10.00	52	M6 x 0.75
V211200	12.00	52	M7 x 0.75
V211400	14.00	52	M8 x 1.00
V211600	16.00	52	M8 x 1.00
V211900	19.00	60	M10 x 1.00
V212500	25.00	60	M14 x 1.00
V213000	30.00	65	M18 x 1.50
V214000	40.00	70	M25 x 1.50



Stangenlader LNS
LNS barloaders

LNS Tryton

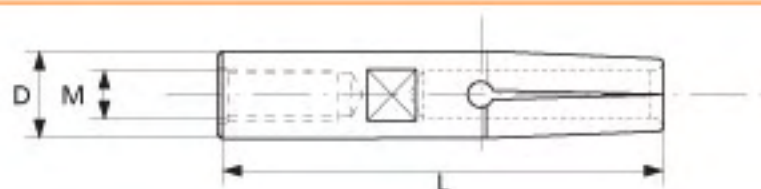
Corps	Embout	Pinces
Schaft	<i>Drehende Endstücke</i>	<i>Zangen</i>
Shank	End pieces	Clamp collets
6.00	V1032	V2000
7.00	V1032	V2001
10.00	V1029-102	V2002
12.70	V1037	V2003

LNS Minisprint & Expres

Corps	Embout	Pinces
Schaft	<i>Drehende Endstücke</i>	<i>Zangen</i>
Shank	End pieces	Clamp collets
7.00	LNS7	V4007
10.00	LNS10	V4010
11.00	LNS10	V4011
12.00	LNS12	V4012
13.00	LNS12	V4013
14.00	LNS12	V4014
15.00	LNS15	V4015
16.00	LNS15	V4016
17.00	LNS15	V4017
18.00	LNS18	V4018
19.00	LNS18	V4019
20.00	LNS20	V4020
21.00	LNS20	V4021
22.00	LNS20	V4022
23.00	LNS20	V4023
24.00	LNS20	V4024
25.00	LNS25	V4025-65
26.00	LNS25	V4026-65
27.00	LNS25	V4027-65
28.00	LNS25	V4028-65
29.00	LNS25	V4030-65
32.00	LNS25	V4032-65
34.00	LNS25	V4034-90
36.00	LNS36	V4036-90
37.00	LNS36	V4037-90
38.00	LNS36	V4038-90
40.00	LNS50	V4040-90
42.00	LNS50	V4042-90



Stangenlader LNS
LNS barloaders



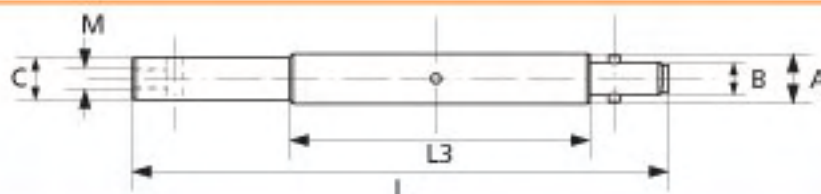
Pinces LNS Tryton / Zangen / Collets

Pinces	D	M	L
Zangen	D	M	L
Collets	D	M	L
V2000	6.00	M4	30.00
V2001	7.00	M4	30.00
V2002	10.00	M5	30.00
V2003	12.70	M6	30.00

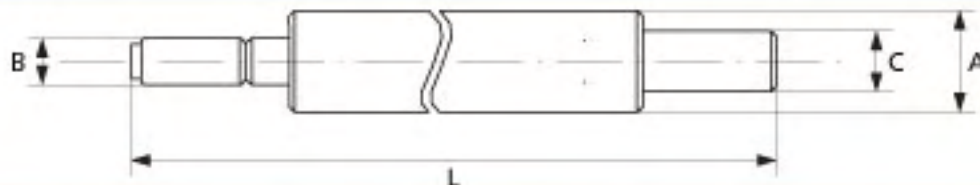
1



2



3



Embouts LNS Minisprint & Express Drehende Endstücke / End pieces

No	A	B	C	L3	L	M	Dessin No
Nr.	A	B	C	L3	L	M	Zeichnung Nr.
Nr	A	B	C	L3	L	M	Drawing Nr
LNS7	7	M4	M5		131	–	1
LNS10	10	7h7	8h7	42	95	M4	2
LNS12	12	8h7	8h7	42	95	–	2
LNS15	15	11h7	12h7	42	96	M5	2
LNS18	18	11h7	12h7	42	96	–	2
LNS20	20	14h7	17h7	46	111	M8	2
LNS25	25	20h7	20h7	48	115.50	M8	2
LNS36	36	20h7	30g7		198	–	3
LNS50	50	20h7	42g7		208	–	3