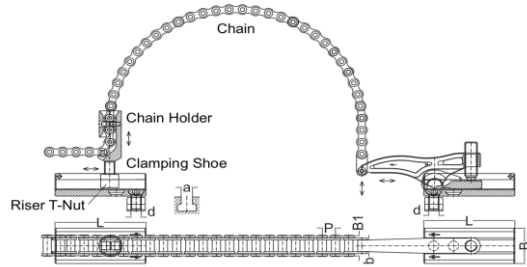
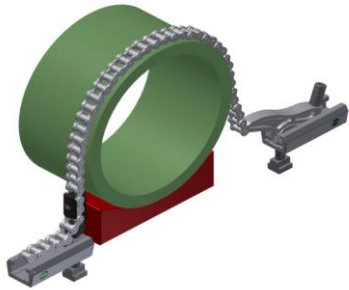


Clamping Force: **Up to 60 kN**

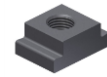
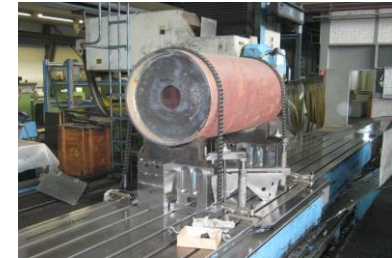
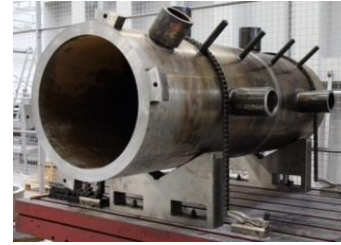
199-... Can be used parallel and at any angle to the T-Slot



- Chain/Chain Lock:
- Clamping Shoe:
- Clamping Arm:
- High Performance Roller-Chain

 Tempered Steel
 Hardened alloy Steel
 Drop forged alloy Steel

- Great clamping force through little torque
- Easily installation and easy adjustment through stepless adjustable MQ-Clamps
- Increased angle setting adjustability of 120°-180°
- Chain links do not have to be taken out when clamping different sized parts
- Parts can be clamped parallel or at an angle to the T-Slot
- Great for repetitive work because chain does not have to be dismantled (stays on fixing elements)
- Can be easily fit to different sized machine tables, T-Slots or Tapped Holes
- Uniform clamping force distribution reduces workpiece distortion



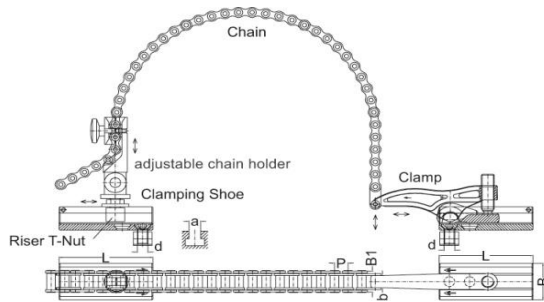
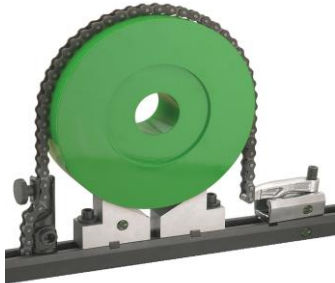
								kN	Chain		Chain Lock		Clamping Unit Long		Clamping Shoe Long		Chain Holder with hand wheel		Hand Wheel		Riser Nut		Allen Key	
Bolt Size (d)	Part Number	\$	Chain Pitch (P)	b	B1	L	B	F1	Part No.	\$/m	Part No.	\$	Part Number	\$	Part Number	\$	Part No.	\$	Part No.	\$	Part No.	\$	Part No.	\$
Up to 12mm or 1/2"	199-019-0000-13	791.00	19.0	11.7	22.7	135	52	25	199-019	91.50	199-019-13-2	14.25	199-100-067-13	312.00	100-2-135-13	165.00	199-019-12	333.00	199-019-040	3.75	509-1224	13.50	610-08	8.40
Up to 16mm or 5/8"	199-019-0000-17	877.80	19.0	11.7	22.7	155	60	30	199-019	91.50	199-019-13-2	14.25	199-100-078-17	352.50	100-2-155-17	194.25	199-019-16	348.00	199-019-040	3.75	509-1628	17.25	610-10	10.50
Up to 20mm or 3/4"	199-025-0000-21	1107.40	25.4	17.0	36.0	175	75	50	199-025	159.00	199-025-21-2	22.80	199-100-088-21	471.00	100-2-175-21	253.50	199-025-20	382.50	199-025-050	5.25	509-2034	39.00	610-12	13.50
Up to 24mm or 1"	199-031-0000-26	1400.70	31.7	19.6	43.0	205	88	60	199-031	234.00	199-031-25-2	39.45	199-100-102-26	612.00	100-2-205-26	320.00	199-031-24	463.50	199-031-062	7.50	509-2442	48.45	610-12	13.50

Application Examples:
Machining of cylindrical or bulky work pieces, such as valve bodies, flanges, pump housings, pistons etc.

with adjustable chain holder

Clamping Force: **Up to 60 kN**

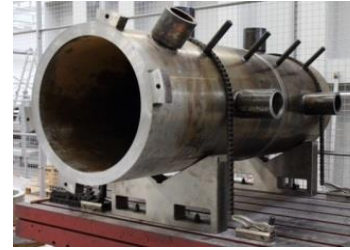
199-... Can be used parallel and at any angle to the T-Slot



- Chain/Chain Lock:
- Clamping Shoe:
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- Great for repetitive work because chain does not have to be dismounted (stays on fixing elements)
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- Uniform clamping force distribution reduces workpiece distortion



								kN	Chain		Chain Lock		Clamping Unit Long		Clamping Shoe Long		Chain Holder with hand wheel		Hand Wheel		Riser Nut		Allen Key	
Bolt Size (d)	Part Number	\$	Chain Pitch (P)	b	B1	L	B	F1	Part No.	\$/m	Part No.	\$	Part Number	\$	Part Number	\$	Part No.	\$	Part No.	\$	Part No.	\$	Part No.	\$
Up to 12mm or 1/2"	199-019-0000-2-13	947.80	19.0	11.7	22.7	135	52	25	199-019	91.50	199-019-13-2	14.25	199-100-067-13	312.00	100-2-135-13	165.00	199-019-2-12	502.50	199-019-040	3.75	509-1224	13.50	610-08	8.40
Up to 16mm or 5/8"	199-019-0000-2-17	1037.80	19.0	11.7	22.7	155	60	30	199-019	91.50	199-019-13-2	14.25	199-100-078-17	352.50	100-2-155-17	194.25	199-019-2-16	520.50	199-019-040	3.75	509-1628	17.25	610-10	10.50
Up to 20mm or 3/4"	199-025-0000-2-21	1356.60	25.4	17.0	36.0	175	75	50	199-025	159.00	199-025-21-2	22.80	199-100-088-21	471.00	100-2-175-21	253.50	199-025-2-20	652.50	199-025-050	5.25	509-2034	39.00	610-12	13.50
Up to 24mm or 1"	199-031-0000-2-26	1695.40	31.7	19.6	43.0	205	88	60	199-031	234.00	199-031-25-2	39.45	199-100-102-26	612.00	100-2-205-26	320.00	199-031-2-24	783.00	199-031-062	7.50	509-2442	48.45	610-12	13.50