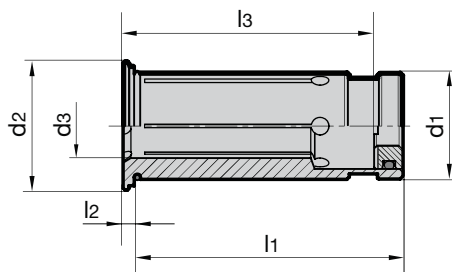


Product information

- for clamping smaller shank-Ø in hydraulic chucks
- clamping-Ø for tool shank tolerance h6
- with coolant slots for peripheral cooling, therefore process and tool life improvement
- concentricity $\leq 2 \mu\text{m}$
- with adjustable limit stop
- the application of reduction sleeves makes it possible to increase the permissible transferable torque by approx. 25% in comparison to direct clamping

Scope of delivery

- incl. stop element



Series no. 4369

d ₁ inch/mm	for shank Ø d ₃ h6 inch/mm	d ₂ mm	l ₁ mm	l ₂ mm	l ₃ mm	Code no.	EDP Number
1/2	1/8	16.5	45	2	26.5	3.013	9043690030130
1/2	3/16	16.5	45	2	26.5	4.013	9043690040130
1/2	1/4	16.5	45	2	26.5	6.013	9043690060130
1/2	5/16	16.5	45	2	26.5	8.013	9043690080130
1/2	3/8	16.5	45	2	26.5	9.013	9043690090130
1/2	5	16.5	45	2	26.5	105.013	9043691050130
1/2	6	16.5	45	2	26.5	106.013	9043691060130
3/4	1/8	24	50.5	2	28.5	3.019	9043690030190
3/4	3/16	24	50.5	2	28.5	4.019	9043690040190
3/4	1/4	24	50.5	2	37.5	6.019	9043690060190
3/4	5/16	24	50.5	2	37.5	8.019	9043690080190
3/4	3/8	24	50.5	2	42.5	9.019	9043690090190
3/4	7/16	24	50.5	2	42.5	11.019	9043690110190
3/4	1/2	24	50.5	2	47.5	13.019	9043690130190
3/4	9/16	24	50.5	2	47.5	14.019	9043690140190
3/4	5/8	24	50.5	2	47.5	15.019	9043690150190
3/4	3	24	50.5	2	28.5	103.019	9043691030190
3/4	4	24	50.5	2	28.5	104.019	9043691040190
3/4	6	24	50.5	2	37.5	106.019	9043691060190
3/4	8	24	50.5	2	37.5	108.019	9043691080190
3/4	10	24	50.5	2	42.5	110.019	9043691100190
3/4	12	24	50.5	2	47.5	112.019	9043691120190
3/4	14	24	50.5	2	47.5	114.019	9043691140190
1 1/4	1/4	35.5	60.5	2	37.5	6.031	9043690060310
1 1/4	5/16	35.5	60.5	2	37.5	8.031	9043690080310
1 1/4	3/8	35.5	60.5	2	37.5	9.031	9043690090310
1 1/4	1/2	35.5	60.5	2	44.5	13.031	9043690130310
1 1/4	9/16	35.5	60.5	2	44.5	14.031	9043690140310
1 1/4	5/8	35.5	60.5	2	50.5	15.031	9043690150310
1 1/4	11/16	35.5	60.5	2	50.5	17.031	9043690170310
1 1/4	3/4	35.5	60.5	2	50.5	19.031	9043690190310
1 1/4	7/8	35.5	60.5	2	50.5	22.031	9043690220310
1 1/4	1	35.5	60.5	2	58.5	25.031	9043690250310
1 1/4	20	35.5	60.5	2	50.5	120.031	9043691200310
1 1/4	25	35.5	60.5	2	58.5	125.031	9043691250310
12	1/8	16.5	45	2	26.5	103.012	9043691030120
12	3/16	16.5	45	2	26.5	104.012	9043691040120
12	1/4	16.5	45	2	34.5	106.012	9043691060120
12	5/16	16.5	45	2	34.5	108.012	9043691080120
12	3/8	16.5	45	2	34.5	109.012	9043691090120
12	3	16.5	45	2	26.5	3.012	9043690030120
12	4	16.5	45	2	26.5	4.012	9043690040120
12	5	16.5	45	2	26.5	5.012	9043690050120
12	6	16.5	45	2	34.5	6.012	9043690060120
12	8	16.5	45	2	34.5	8.012	9043690080120

Series no.

4369

d ₁ inch/mm	for shank Ø d ₃ h ₆ inch/mm	d ₂ mm	l ₁ mm	l ₂ mm	l ₃ mm	Code no.	EDP Number
20	1/8	24	50.5	2	28.5	103.020	9043691030200
20	3/16	24	50.5	2	28.5	104.020	9043691040200
20	1/4	24	50.5	2	37.5	106.020	9043691060200
20	5/16	24	50.5	2	37.5	108.020	9043691080200
20	3/8	24	50.5	2	42.5	109.020	9043691090200
20	7/16	24	50.5	2	42.5	111.020	9043691110200
20	1/2	24	50.5	2	47.5	113.020	9043691130200
20	9/16	24	50.5	2	47.5	114.020	9043691140200
20	5/8	24	50.5	2	47.5	115.020	9043691150200
20	3	24	50.5	2	28.5	3.020	9043690030200
20	4	24	50.5	2	28.5	4.020	9043690040200
20	5	24	50.5	2	28.5	5.020	9043690050200
20	6	24	50.5	2	37.5	6.020	9043690060200
20	7	24	50.5	2	37.5	7.020	9043690070200
20	8	24	50.5	2	37.5	8.020	9043690080200
20	9	24	50.5	2	42.5	9.020	9043690090200
20	10	24	50.5	2	42.5	10.020	9043690100200
20	11	24	50.5	2	42.5	11.020	9043690110200
20	12	24	50.5	2	47.5	12.020	9043690120200
20	13	24	50.5	2	47.5	13.020	9043690130200
20	14	24	50.5	2	47.5	14.020	9043690140200
20	15	24	50.5	2	47.5	15.020	9043690150200
20	16	24	50.5	2	47.5	16.020	9043690160200
32	1/2	35.5	60.5	2	44.5	113.032	9043691130320
32	5/8	35.5	60.5	2	50.5	115.032	9043691150320
32	3/4	35.5	60.5	2	50.5	119.032	9043691190320
32	7/8	35.5	60.5	2	50.5	122.032	9043691220320
32	1	35.5	60.5	2	58.5	125.032	9043691250320
32	6	35.5	60.5	2	37.5	6.032	9043690060320
32	8	35.5	60.5	2	37.5	8.032	9043690080320
32	10	35.5	60.5	2	40.5	10.032	9043690100320
32	12	35.5	60.5	2	44.5	12.032	9043690120320
32	14	35.5	60.5	2	44.5	14.032	9043690140320
32	16	35.5	60.5	2	50.5	16.032	9043690160320
32	18	35.5	60.5	2	50.5	18.032	9043690180320
32	20	35.5	60.5	2	50.5	20.032	9043690200320
32	25	35.5	60.5	2	58.5	25.032	9043690250320

Product information

- for Series no. 4368 and 4369
- for the simple removal of reduction bushes



for reduction bushes d ₁	Series no.	4099
	EDP Number	
12 to 32	9040990010000	

Senso 3000

Product information

- accurate, quick and simple measuring of the clamping force of hydraulic chucks
- mobility allows measuring within machines and fixtures
- determines clamping force via a pressure sensitive plug gauge
- display of absolute measuring value or percentage clamping force in relation to reference value

Scope of delivery

- incl. type CR 2430 battery
- incl. sturdy case
- Inch dimensions upon request



		Series no.	4038
clamping diameter mm	kg	EDP Number	
6.0	1.1	9040380060000	
8.0	1.1	9040380080000	
10.0	1.3	9040380100000	
12.0	1.3	9040380120000	
14.0	1.3	9040380140000	
16.0	1.3	9040380160000	
18.0	1.5	9040380180000	
20.0	1.5	9040380200000	
25.0	2.0	9040380250000	
32.0	2.5	9040380320000	