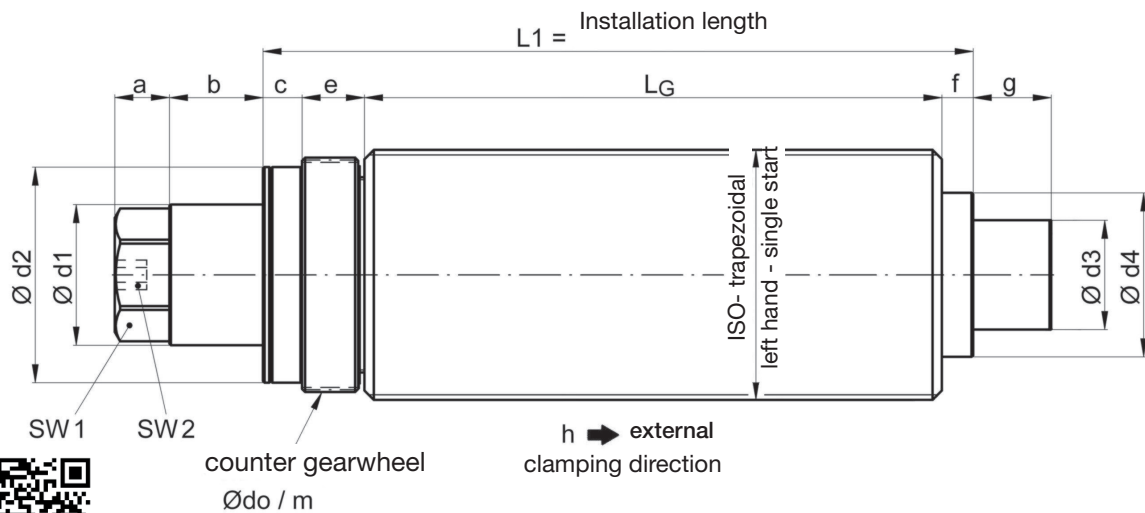


# Hydromechanical Power Clamping Screws I Series HSP



material: heat treated steel nitro carburized

Technical data and dimensions [mm]: length dimensions according to DIN ISO 2768 mH

HSP	size	80	100	120	160	200	220
ISO-trapezoidal thread	left	TR 80x5	TR 100x6	TR 120x6	TR 160x8	TR 200x10	TR220x10
nominal clamping force	[kN]	100	150	220	400	600	750
nominal actuation torque	[Nm]	60	70	80	150	150	140
max. static load	[kN]	200	300	400	700	1000	1200
stroke h	[mm]	3	3	5	6	6	8
operating path s	[mm]	16	19	-	-	-	-
hexagon	external SW 1	46	50	65	75	85	100
	internal SW 2	12	14	17	17	17	17
a		20	25	30	35	40	45
b		30	40	50	60	70	70
c		13	15	20	25	30	30
Ø do		71,5	90	108	146	184	201
module m		1,25	1,5	1,5	2	2	3
Ø d1 f7		50	60	75	90	100	120
Ø d2		68	85	100	140	165	180
Ø d3 f7		40	50	60	70	80	100
Ø d4		60	80	90	105	135	150
e		22	25	30	40	45	45
f		15	15	15	20	20	20
g		30	35	40	50	55	60
LG min.		140	145	215	230	300	455
L1 min.		190	200	280	315	395	550

- Note:
- after completion of the clamping procedure the clamping screw should be secured against overload by means of a mechanical safety device (counter gearwheel), which as well helps to achieve a high degree of stiffness
  - special thread sizes or customized dimensions as well as different toothing of counter gearwheel or series with higher clamping force are available on request
  - the pinion shaft for driving the counter gearwheel is not supplied

Ordering example: HSP 100 - TR 100 x 6 - lh - L1 = 300 mm