



50 % SHORTER LENGTH THAN CLAMPING SYSTEMS WITH SPRINGS

HSK clamping system with SUPER-LOCK



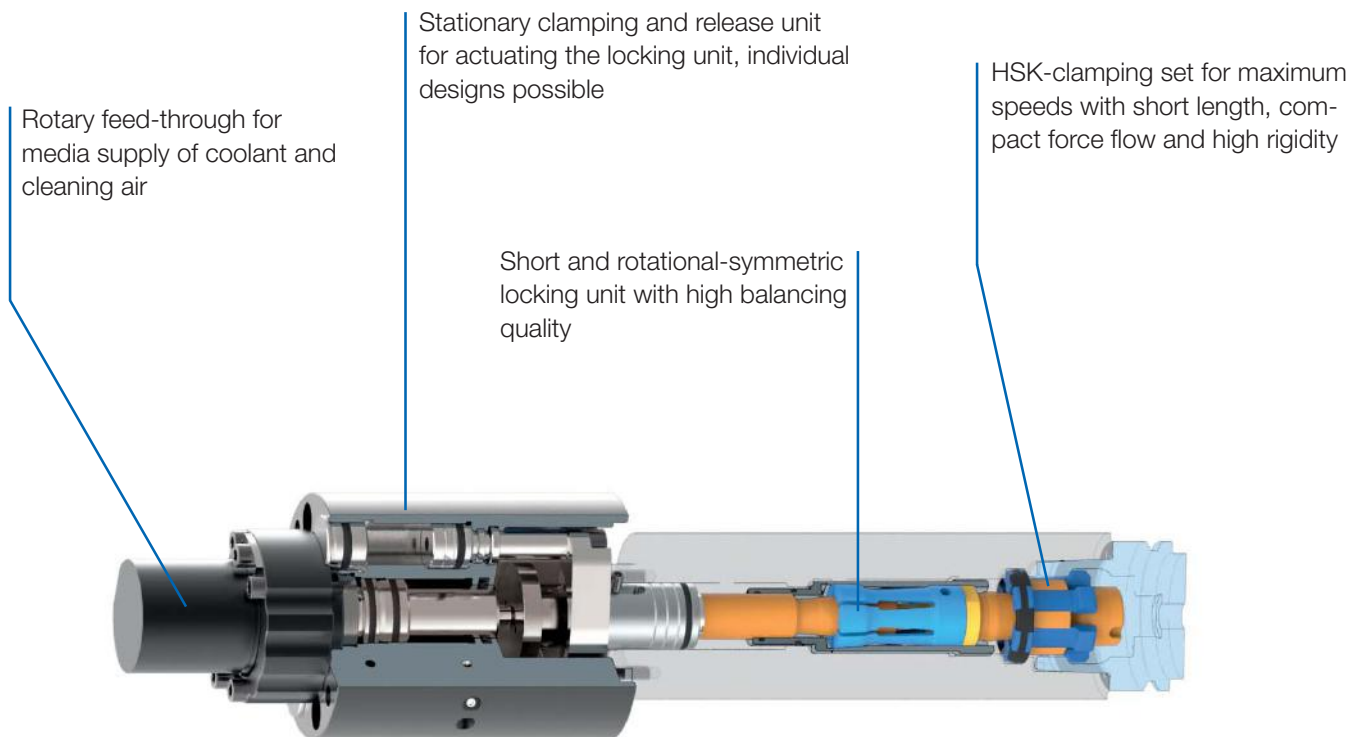
HSK clamping system with
spring package

HSK - SUPER-LOCK

The trend toward modern milling machines involves two requirements with regard to the automatic clamping systems. In the area of High Speed Cutting (HSC), increasingly higher speeds and therefore higher balancing qualities are required. Due to higher machining forces during High Performance Cutting (HPC), interfaces must additionally be more rigid. SUPER-LOCK meets these requirements, and with an approx. 50 % shorter length as compared with conventional clamping systems with springs.

ADVANTAGES AT A GLANCE

- ⊕ Compact and extremely short design
- ⊕ Optimally suited for maximum speeds and machining forces
- ⊕ Lower force introduced into the spindle as compared to spring clamping systems



Clamping unit



APPLICATION

For HSK clamping systems.
Can be used universally, preferably for maximum speeds.

TYPE

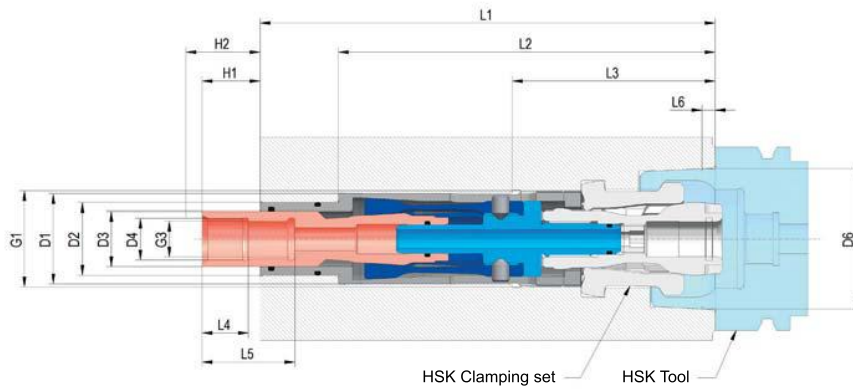
Locking unit for HSK-clamping set. HSK-clamping set separately available.

CUSTOMER BENEFITS

- ② Without springs - clamping force is maintained with self-locking
- ② Short and compact design
- ② Low force transmission during releasing

TECHNICAL FEATURES

- For actuation, a clamping and release unit are required



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Clamping unit SUPER-LOCK Self-locking mechanism without springs for automatic tool clamping

Item no.	1122572	1122574	1122718	1122725	1122569	1122731	1122581
Size HSK-A/C/E/T	25	32	40	50	63	80	100
Size HSK-B/D/F	32	40	50	63	80	100	125
D1	13,2	15,1	18,6	23,6	31	39	49
D2	11	12,5	16,4	20,4	25	31,2	40
D3	8	10	13	16	19	24	31
D4	6,2	8,2	10,3	12,5	14,4	17	21
D6 mm	19	24	30	38	48	60	75
G1 mm	M14x0,5	M16x0,75	M20x1	M25x1	M33x1	M42x1,5	M52x2
G3	M6x0,75	M8x0,75	M10x1	M12x1,25	M14x1,5	M16x1,5	M20x2
H1 mm	10,8	13,6	17,8	19,9	20	27,3	30,8
H2	15,6	18,9	22,8	26,3	28	38,3	42,4
L1	71,4	83,5	106,4	127,7	157	201,3	262
L2	56	69	86	104	130	167	207
L3	32,25	36,7	45,9	57	70	88	110
L4	6,3	8	10	12,5	16	20	25
L5 mm	12,5	16	20	25	32	40	50
L6	2,5	3,2	4	5	6,3	8	10
Clamping set	594332	1035347	1011063	1037501	1015151	474917	462324
Draw bar pull N	700	1000	2000	3000	5000	7500	10000
Clamping force N	3500	5000	10000	15000	25000	37500	50000
Max. application speed min ⁻¹	120000	80000	60000	50000	40000	30000	24000