



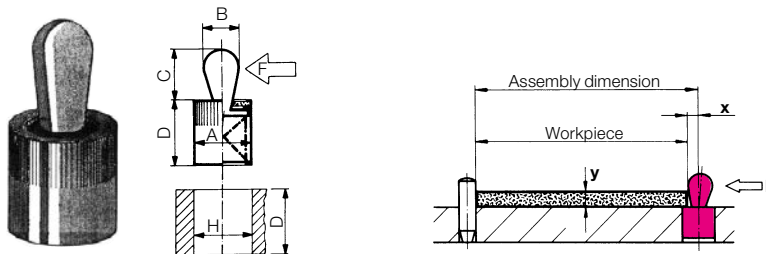
**Spring Clamping Element**  
10 - 300 N, with and without sealing



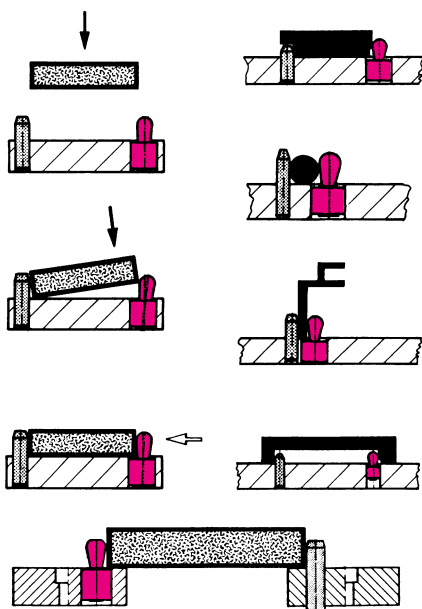
These spring clamping elements are designed for quicker, safer and more economic work-piece positioning and clamping within clamping range of 10-300 N.

**With sealing**

Elements of range 3112-1XX are equipped with additional sealing against swarf and coolants and are particularly suitable for its application in the metal cutting machining.



A	B	C	D	H	F	y=1.0	y=2.0	y=3.0	y=4.5	y=6.0	y=8.0	y≥10.0	Weight	Part no.
		-1			[N]	X	X	X	X	X	X	X	[g]	
6	3	4	7	6H11	10	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1	3112-120
					20								1	3112-121
					40								1	3112-122
10	5	6	12	10H11	20		1.5	1.7	1.7	1.7	1.7	1.7	2	3112-123
					50								2	3112-124
					100								2	3112-125
10	6	10	12	10H11	40				1.7	1.9	1.9	1.9	2	3112-126
					75								2	3112-127
					150								2	3112-128
12	8	13	14	12H11	50								8	3112-129
					100					2.4	2.6	2.6	8	3112-130
					200								8	3112-131
16	10	16	18	16H11	100								16	3112-132
					200						3.1	3.4	16	3112-133
					300								16	3112-134



**Function**

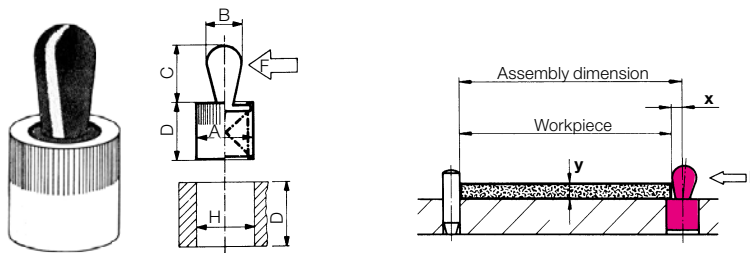
The clamping force is generated by displacement of a spring-loaded pin. Clamping force and clamping path are indicated in the chart.

**Materials**

Body: aluminium  
Pressure pin: steel case hardened and galvanised

**Without sealing**

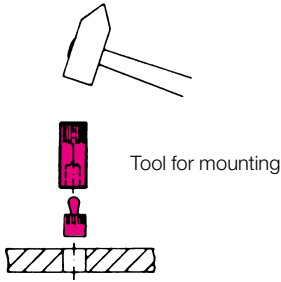
Elements of range 3122-2XX without the extra sealing are suitable for assembly and welding.



A	B	C	D	H	F	y=1.0	y=2.0	y=3.0	y=4.5	y=6.0	y=8.0	y≥10.0	Weight	Part no.
		-1			[N]	X	X	X	X	X	X	X	[g]	
6	3	5.0	7	6H11	10	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1	3112-000
					20								1	3112-001
					40								1	3112-002
10	5	7.7	11	10H11	20		1.5	1.7	1.7	1.7	1.7	1.7	2	3112-003
					50								2	3112-004
					100								2	3112-005
10	6	11.6	11	10H11	40				1.7	1.9	1.9	1.9	2	3112-006
					75								2	3112-007
					150								2	3112-008
12	8	15.1	13	12H11	50								8	3112-009
					100					2.4	2.6	2.6	8	3112-010
					200								8	3112-011
16	10	18.2	17	16H11	100								16	3112-012
					200						3.1	3.4	16	3112-013
					300								16	3112-014

## Mounting

Tools as per chart opposite are available for mounting. Insertion into bore hole can be effected by hammer or press (see fig.).



## Tools for mounting

5 sizes as per dimension B as per chart page 1.

	Part no.
3	3112-140
5	3112-141
6	3112-142
8	3112-143
10	3112-144

## Application examples

