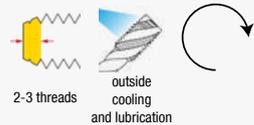
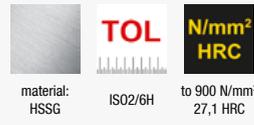
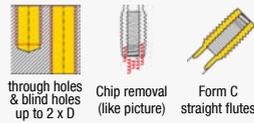
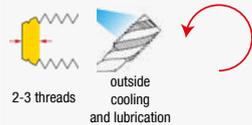
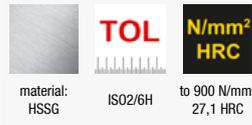
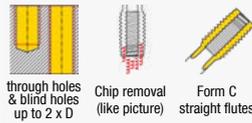


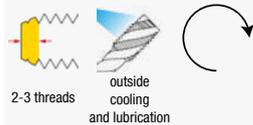
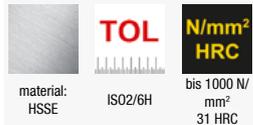
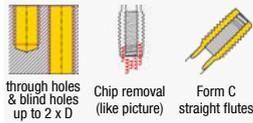
Hand Tap Sets for general use



Hand Tap Sets for general use Left Hand



Hand Tap Sets HSSE for higher demands


MF

	D1	D2	L1	L2	□		No.	€	No.	€	No.	€
MF 2,5 x 0,35	2,5	2,8	40	9	2,1	2,15	120301001	15,59				
MF 2,6 x 0,35	2,6	2,8	40	9	2,1	2,25	120301002	15,59				
MF 3 x 0,35	3,0	3,5	40	9	2,7	2,65	120301003	15,59				
MF 3,5 x 0,35	3,5	4,0	45	10	3,0	3,15	120301004	15,59				
MF 4 x 0,35	4,0	4,5	45	10	3,4	3,65	120301005	15,59				
MF 4 x 0,5	4,0	4,5	45	10	3,4	3,50	120301006	15,59				
MF 4,5 x 0,5	4,5	6,0	50	12	4,9	4,00	120301007	15,59				
MF 5 x 0,5	5,0	6,0	50	12	4,9	4,50	120301008	15,59				
MF 5 x 0,75	5,0	6,0	50	12	4,9	4,25	120301009	15,59				
MF 5,5 x 0,5	5,5	6,0	50	12	4,9	5,00	120301010	15,59				
MF 6 x 0,5	6,0	6,0	50	14	4,9	5,50	120301011	15,59				
MF 6 x 0,75	6,0	6,0	50	14	4,9	5,20	120301012	13,97	120302001	20,82	120304001	18,71
MF 7 x 0,5	7,0	6,0	50	14	4,9	6,50	120301013	13,97				
MF 7 x 0,75	7,0	6,0	50	14	4,9	6,20	120301014	13,97				
MF 8 x 0,5	8,0	6,0	50	19	4,9	7,50	120301015	13,97				
MF 8 x 0,75	8,0	6,0	50	19	4,9	7,20	120301016	13,97	120302002	20,82	120304002	18,71
MF 8 x 1	8,0	6,0	56	22	4,9	7,00	120301017	13,97	120302003	20,82	120304003	18,71
MF 9 x 0,5	9,0	7,0	56	19	5,5	8,50	120301018	15,59				
MF 9 x 0,75	9,0	7,0	56	19	5,5	8,25	120301019	15,59				
MF 9 x 1	9,0	7,0	63	20	5,5	8,00	120301020	15,59				
MF 10 x 0,5	10,0	7,0	63	20	5,5	9,50	120301021	15,59				
MF 10 x 0,75	10,0	7,0	63	20	5,5	9,20	120301022	15,59				
MF 10 x 1,0	10,0	7,0	63	20	5,5	9,00	120301023	13,97	120302004	20,82	120304004	20,35
MF 10 x 1,25	10,0	7,0	70	24	5,5	8,80	120301024	15,59	120302005	23,38	120304005	23,38
MF 11 x 0,75	11,0	8,0	63	20	6,2	10,20	120301025	20,24				
MF 11 x 1,0	11,0	8,0	63	20	6,2	10,00	120301026	20,24				
MF 11 x 1,25	11,0	8,0	63	22	6,2	10,80	120301027	20,24				
MF 12 x 0,5	12,0	9,0	70	22	7,0	11,50	120301028	20,24				
MF 12 x 0,75	12,0	9,0	70	22	7,0	10,20	120301029	20,24				
MF 12 x 1,0	12,0	9,0	70	22	7,0	11,00	120301030	20,24	120302006	30,88	120304006	28,30
MF 12 x 1,25	12,0	9,0	70	22	7,0	10,80	120301031	20,24	120302007	30,88	120304007	28,30
MF 12 x 1,5	12,0	9,0	70	22	7,0	10,50	120301032	18,39	120302008	28,30	120304008	28,30
MF 13 x 0,5	13,0	11,0	70	22	9,0	12,50	120301033	30,95				

MF Metric fine thread / ISO DIN 13

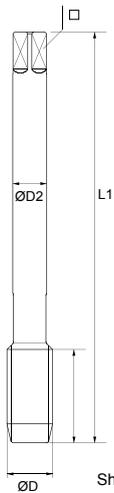
Efficient internal thread cutting.

The short structural type makes that tap usable by machine and hand.

A Hand-Tap-Set includes 2 taps:

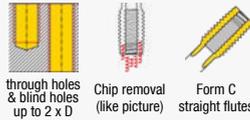
Taper Tap

Finish Tap

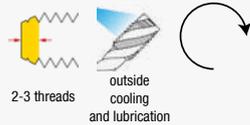


Shank: DIN 2181

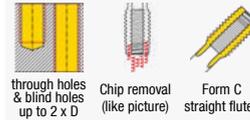
Hand Tap Sets for general use



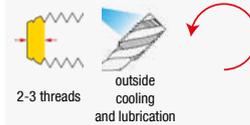
material: HSSG
ISO2/6H
TOL
N/mm² HRC
to 900 N/mm²
27,1 HRC



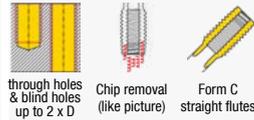
Hand Tap Sets for general use Left Hand



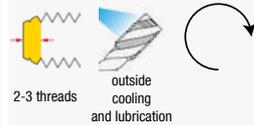
material: HSSG
ISO2/6H
TOL
N/mm² HRC
to 900 N/mm²
27,1 HRC



Hand Tap Sets HSSE for higher demands



material: HSSE
ISO2/6H
TOL
N/mm² HRC
bis 1000 N/mm²
31 HRC



MF	D1	D2	L1	L2	□		No.	€	No.	€	No.	€
MF 13 x 0,75	13,0	11,0	70	22	9,0	12,20	120301034	31,10				
MF 13 x 1,0	13,0	11,0	70	22	9,0	12,00	120301035	31,10				
MF 13 x 1,5	13,0	11,0	70	22	9,0	11,50	120301036	31,10				
MF 14 x 0,5	14,0	11,0	70	22	9,0	13,50	120301037	31,10				
MF 14 x 0,75	14,0	11,0	70	22	9,0	13,20	120301038	31,10				
MF 14 x 1,0	14,0	11,0	70	22	9,0	13,00	120301039	31,10				
MF 14 x 1,25	14,0	11,0	70	22	9,0	12,80	120301040	23,38	120302009	34,39	120304009	32,74
MF 14 x 1,5	14,0	11,0	70	22	9,0	12,50	120301041	20,12	120302010	30,88	120304010	29,70
MF 15 x 0,75	15,0	12,0	70	22	9,0	14,20	120301042	34,38				
MF 15 x 1,0	15,0	12,0	70	22	9,0	14,00	120301043	34,38				
MF 15 x 1,5	15,0	12,0	70	22	9,0	13,50	120301044	34,38				
MF 16 x 0,5	16,0	12,0	70	22	9,0	15,50	120301045	34,38				
MF 16 x 0,75	16,0	12,0	70	22	9,0	15,20	120301046	34,38				
MF 16 x 1,0	16,0	12,0	70	22	9,0	15,00	120301047	34,38	120302011	51,46	120304011	37,65
MF 16 x 1,25	16,0	12,0	70	22	9,0	14,80	120301048	34,38				
MF 16 x 1,5	16,0	12,0	70	22	9,0	14,50	120301049	24,56	120302012	36,95	120304012	43,27
MF 17 x 1	17,0	12,0	70	22	9,0	16,00	120301050	37,65				
MF 17 x 1,5	17,0	12,0	70	22	9,0	15,50	120301051	37,65				
MF 18 x 0,5	18,0	14,0	80	22	11,0	17,50	120301052	37,65				
MF 18 x 0,75	18,0	14,0	80	22	11,0	17,20	120301053	37,65				
MF 18 x 1,0	18,0	14,0	80	22	11,0	17,00	120301054	37,65				
MF 18 x 1,25	18,0	14,0	80	22	11,0	16,80	120301055	37,65				
MF 18 x 1,5	18,0	14,0	80	22	11,0	16,50	120301056	28,30	120302013	43,27	120304013	52,40
MF 18 x 2,0	18,0	14,0	80	22	11,0	16,00	120301057	37,65				
MF 19 x 1	19,0	16,0	80	22	12,0	18,00	120301058	47,24				
MF 19 x 1,5	19,0	14,0	80	22	11,0	17,50	120301059	47,24				
MF 20 x 0,5	20,0	16,0	80	22	12,0	19,50	120301060	47,24				
MF 20 x 0,75	20,0	16,0	80	22	12,0	19,20	120301061	47,24				
MF 20 x 1,0	20,0	16,0	80	22	12,0	19,00	120301062	47,24				
MF 20 x 1,25	20,0	16,0	80	22	12,0	18,80	120301063	47,24				
MF 20 x 1,5	20,0	16,0	80	22	12,0	18,50	120301064	34,38	120302014	51,46	120304014	49,12
MF 20 x 2,0	20,0	16,0	80	22	12,0	18,00	120301065	47,24			120304015	65,49
MF 21 x 1	21,0	16,0	80	22	12,0	20,00	120301066	48,88				

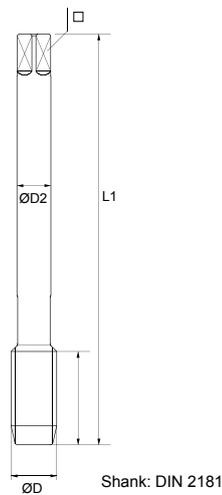
MF Metric fine thread / ISO DIN 13

Efficient internal thread cutting.

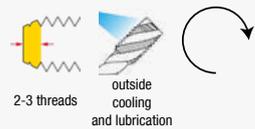
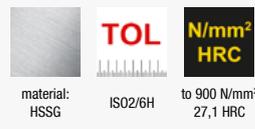
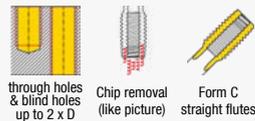
The short structural type makes that tap usable by machine and hand.

A Hand-Tap-Set includes 2 taps:

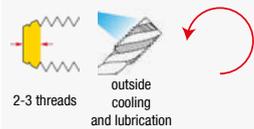
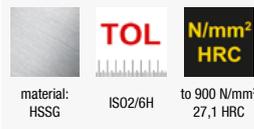
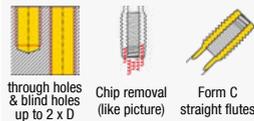
- Taper Tap
- Finish Tap



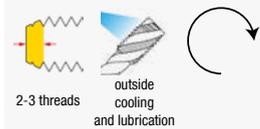
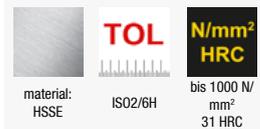
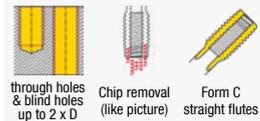
Hand Tap Sets for general use



Hand Tap Sets for general use Left Hand



Hand Tap Sets HSSE for higher demands



MF	D1	D2	L1	L2	□		No.	€	No.	€	No.	€
MF 21 x 1,5	21,0	16,0	80	22	12,0	19,50	120301067	48,88				
MF 22 x 0,5	22,0	18,0	80	22	14,5	21,50	120301068	48,88				
MF 22 x 0,75	22,0	18,0	80	22	14,5	21,20	120301069	48,88				
MF 22 x 1,0	22,0	18,0	80	22	14,5	21,00	120301070	48,88				
MF 22 x 1,25	22,0	18,0	80	22	14,5	20,80	120301071	48,88				
MF 22 x 1,5	22,0	18,0	80	22	14,5	20,50	120301072	48,88	120302015	67,83	120304016	61,28
MF 22 x 2,0	22,0	18,0	80	22	14,5	20,00	120301073	48,88			120304017	65,49
MF 23 x 1	23,0	18,0	80	22	14,5	22,00	120301074	65,49				
MF 23 x 1,5	23,0	18,0	80	22	14,5	21,50	120301075	65,49				
MF 24 x 0,5	24,0	18,0	90	22	14,5	23,50	120301076	65,49				
MF 24 x 0,75	24,0	18,0	90	22	14,5	23,20	120301077	65,49				
MF 24 x 1,0	24,0	18,0	90	22	14,5	23,00	120301078	65,49				
MF 24 x 1,25	24,0	18,0	90	22	14,5	23,80	120301079	65,49				
MF 24 x 1,5	24,0	18,0	90	22	14,5	22,50	120301080	51,45	120302016	74,84	120304018	81,86
MF 24 x 2,0	24,0	18,0	90	22	14,5	22,00	120301081	65,49	120302017	98,24		
MF 25 x 1,0	25,0	18,0	90	22	14,5	24,00	120301082	95,90				
MF 25 x 1,5	25,0	18,0	90	22	14,5	23,50	120301083	95,90				
MF 26 x 1,0	26,0	18,0	90	22	14,5	25,00	120301084	95,90				
MF 26 x 1,5	26,0	18,0	90	22	14,5	24,50	120301085	95,90				
MF 26 x 2,0	26,0	18,0	90	22	14,5	24,00	120301086	95,90				
MF 27 x 1	27,0	20,0	90	22	16,0	26,00	120301087	95,90				
MF 27 x 1,5	27,0	20,0	90	22	16,0	25,50	120301088	95,90				
MF 27 x 2,0	27,0	20,0	90	22	16,0	25,00	120301089	113,43				
MF 28 x 1,0	28,0	20,0	90	22	16,0	27,00	120301090	113,43				
MF 28 x 1,5	28,0	20,0	90	22	16,0	26,50	120301091	113,43				
MF 28 x 2,0	28,0	20,0	90	22	16,0	26,00	120301092	113,43				
MF 29 x 1,5	29,0	22,0	90	22	18,0	27,50	120301093	113,43				
MF 30 x 1,0	30,0	22,0	90	22	18,0	29,00	120301094	133,32				
MF 30 x 1,5	30,0	22,0	90	22	18,0	28,50	120301095	133,32	120302018	198,81		
MF 30 x 2,0	30,0	22,0	90	22	18,0	28,00	120301096	133,32	120302019	198,81		
MF 30 x 2,5	30,0	22,0	125	56	18,0	27,50	120301097	133,32				
MF 30 x 3,0	30,0	22,0	125	56	18,0	27,00	120301098	133,32				
MF 32 x 1	32,0	22,0	90	22	18,0	31,00	120301099	133,32				