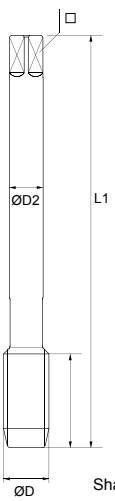
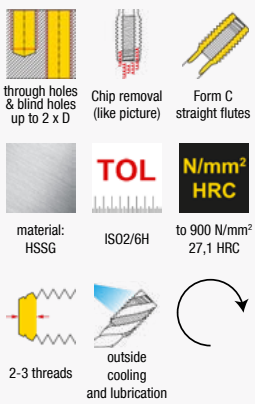
Hand Tap Sets

MF Metric fine thread / ISO DIN 13



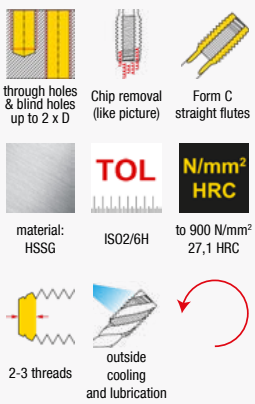
Shank: DIN 2181

Hand Tap Sets
for general use



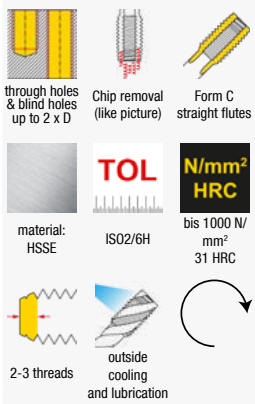


Hand Tap Sets
for general use
Left Hand





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		
MF 2,6 x 0,35	2,6	2,8	40	9	2,1	2,25	120301002		
MF 3 x 0,35	3,0	3,5	40	9	2,7	2,65	120301003		
MF 3,5 x 0,35	3,5	4,0	45	10	3,0	3,15	120301004		
MF 4 x 0,35	4,0	4,5	45	10	3,4	3,65	120301005		
MF 4 x 0,5	4,0	4,5	45	10	3,4	3,50	120301006		
MF 4,5 x 0,5	4,5	6,0	50	12	4,9	4,00	120301007		
MF 5 x 0,5	5,0	6,0	50	12	4,9	4,50	120301008		
MF 5 x 0,75	5,0	6,0	50	12	4,9	4,25	120301009		
MF 5,5 x 0,5	5,5	6,0	50	12	4,9	5,00	120301010		
MF 6 x 0,5	6,0	6,0	50	14	4,9	5,50	120301011		
MF 6 x 0,75	6,0	6,0	50	14	4,9	5,20	120301012	120302001	120304001
MF 7 x 0,5	7,0	6,0	50	14	4,9	6,50	120301013		
MF 7 x 0,75	7,0	6,0	50	14	4,9	6,20	120301014		
MF 8 x 0,5	8,0	6,0	50	19	4,9	7,50	120301015		
MF 8 x 0,75	8,0	6,0	50	19	4,9	7,20	120301016	120302002	120304002
MF 8 x 1	8,0	6,0	56	22	4,9	7,00	120301017	120302003	120304003
MF 9 x 0,5	9,0	7,0	56	19	5,5	8,50	120301018		
MF 9 x 0,75	9,0	7,0	56	19	5,5	8,25	120301019		
MF 9 x 1	9,0	7,0	63	20	5,5	8,00	120301020		
MF 10 x 0,5	10,0	7,0	63	20	5,5	9,50	120301021		
MF 10 x 0,75	10,0	7,0	63	20	5,5	9,20	120301022		
MF 10 x 1,0	10,0	7,0	63	20	5,5	9,00	120301023	120302004	120304004
MF 10 x 1,25	10,0	7,0	70	24	5,5	8,80	120301024	120302005	120304005
MF 11 x 0,75	11,0	8,0	63	20	6,2	10,20	120301025		
MF 11 x 1,0	11,0	8,0	63	20	6,2	10,00	120301026		
MF 11 x 1,25	11,0	8,0	63	22	6,2	10,80	120301027		
MF 12 x 0,5	12,0	9,0	70	22	7,0	11,50	120301028		
MF 12 x 0,75	12,0	9,0	70	22	7,0	10,20	120301029		
MF 12 x 1,0	12,0	9,0	70	22	7,0	11,00	120301030	120302006	120304006
MF 12 x 1,25	12,0	9,0	70	22	7,0	10,80	120301031	120302007	120304007
MF 12 x 1,5	12,0	9,0	70	22	7,0	10,50	120301032	120302008	120304008
MF 13 x 0,5	13,0	11,0	70	22	9,0	12,50	120301033		

Hand Tap Sets

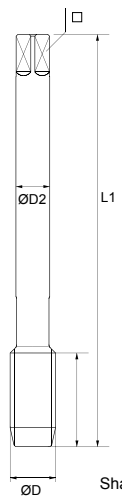
MF Metric fine thread / ISO DIN 13

Efficient internal thread cutting.

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

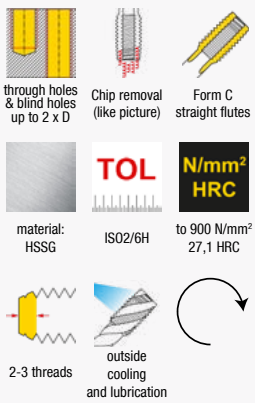
A Hand-Tap-Set includes 2 taps:

- Taper Tap
- Finish Tap



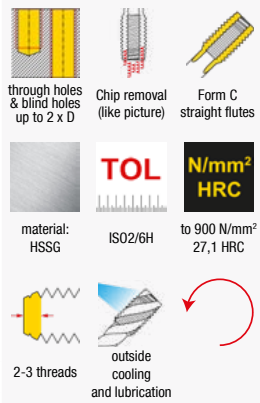
Shank: DIN 2181

Hand Tap Sets
for general use



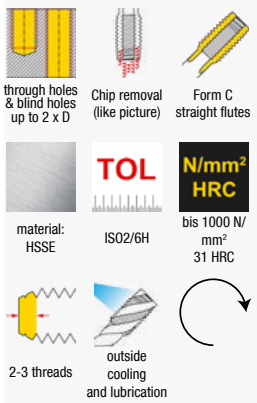


Hand Tap Sets
for general use
Left Hand





Hand Tap Sets
HSSE
for higher demands





MF	D1	D2	L1	L2	□		No.	No.	No.
MF 13 x 0,75	13,0	11,0	70	22	9,0	12,20	120301034		
MF 13 x 1,0	13,0	11,0	70	22	9,0	12,00	120301035		
MF 13 x 1,5	13,0	11,0	70	22	9,0	11,50	120301036		
MF 14 x 0,5	14,0	11,0	70	22	9,0	13,50	120301037		
MF 14 x 0,75	14,0	11,0	70	22	9,0	13,20	120301038		
MF 14 x 1,0	14,0	11,0	70	22	9,0	13,00	120301039		
MF 14 x 1,25	14,0	11,0	70	22	9,0	12,80	120301040	120302009	120304009
MF 14 x 1,5	14,0	11,0	70	22	9,0	12,50	120301041	120302010	120304010
MF 15 x 0,75	15,0	12,0	70	22	9,0	14,20	120301042		
MF 15 x 1,0	15,0	12,0	70	22	9,0	14,00	120301043		
MF 15 x 1,5	15,0	12,0	70	22	9,0	13,50	120301044		
MF 16 x 0,5	16,0	12,0	70	22	9,0	15,50	120301045		
MF 16 x 0,75	16,0	12,0	70	22	9,0	15,20	120301046		
MF 16 x 1,0	16,0	12,0	70	22	9,0	15,00	120301047	120302011	120304011
MF 16 x 1,25	16,0	12,0	70	22	9,0	14,80	120301048		
MF 16 x 1,5	16,0	12,0	70	22	9,0	14,50	120301049	120302012	120304012
MF 17 x 1	17,0	12,0	70	22	9,0	16,00	120301050		
MF 17 x 1,5	17,0	12,0	70	22	9,0	15,50	120301051		
MF 18 x 0,5	18,0	14,0	80	22	11,0	17,50	120301052		
MF 18 x 0,75	18,0	14,0	80	22	11,0	17,20	120301053		
MF 18 x 1,0	18,0	14,0	80	22	11,0	17,00	120301054		
MF 18 x 1,25	18,0	14,0	80	22	11,0	16,80	120301055		
MF 18 x 1,5	18,0	14,0	80	22	11,0	16,50	120301056	120302013	120304013
MF 18 x 2,0	18,0	14,0	80	22	11,0	16,00	120301057		
MF 19 x 1	19,0	16,0	80	22	12,0	18,00	120301058		
MF 19 x 1,5	19,0	14,0	80	22	11,0	17,50	120301059		
MF 20 x 0,5	20,0	16,0	80	22	12,0	19,50	120301060		
MF 20 x 0,75	20,0	16,0	80	22	12,0	19,20	120301061		
MF 20 x 1,0	20,0	16,0	80	22	12,0	19,00	120301062		
MF 20 x 1,25	20,0	16,0	80	22	12,0	18,80	120301063		
MF 20 x 1,5	20,0	16,0	80	22	12,0	18,50	120301064	120302014	120304014
MF 20 x 2,0	20,0	16,0	80	22	12,0	18,00	120301065		120304015
MF 21 x 1	21,0	16,0	80	22	12,0	20,00	120301066		

Hand Tap Sets

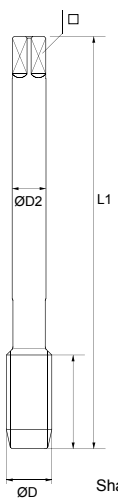
MF Metric fine thread / ISO DIN 13

Efficient internal thread cutting.

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

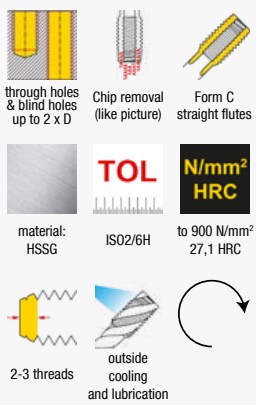
A Hand-Tap-Set includes 2 taps:

- Taper Tap
- Finish Tap



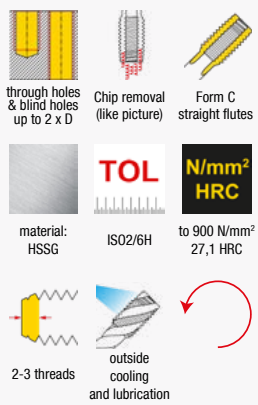
Shank: DIN 2181

Hand Tap Sets
for general use



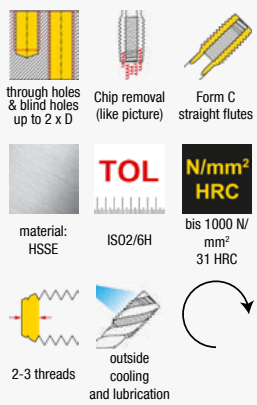


Hand Tap Sets
for general use
Left Hand





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		
MF 22 x 0,5	22,0	18,0	80	22	14,5	21,50	120301068		
MF 22 x 0,75	22,0	18,0	80	22	14,5	21,20	120301069		
MF 22 x 1,0	22,0	18,0	80	22	14,5	21,00	120301070		
MF 22 x 1,25	22,0	18,0	80	22	14,5	20,80	120301071		
MF 22 x 1,5	22,0	18,0	80	22	14,5	20,50	120301072	120302015	120304016
MF 22 x 2,0	22,0	18,0	80	22	14,5	20,00	120301073		120304017
MF 23 x 1	23,0	18,0	80	22	14,5	22,00	120301074		
MF 23 x 1,5	23,0	18,0	80	22	14,5	21,50	120301075		
MF 24 x 0,5	24,0	18,0	90	22	14,5	23,50	120301076		
MF 24 x 0,75	24,0	18,0	90	22	14,5	23,20	120301077		
MF 24 x 1,0	24,0	18,0	90	22	14,5	23,00	120301078		
MF 24 x 1,25	24,0	18,0	90	22	14,5	23,80	120301079		
MF 24 x 1,5	24,0	18,0	90	22	14,5	22,50	120301080	120302016	120304018
MF 24 x 2,0	24,0	18,0	90	22	14,5	22,00	120301081	120302017	
MF 25 x 1,0	25,0	18,0	90	22	14,5	24,00	120301082		
MF 25 x 1,5	25,0	18,0	90	22	14,5	23,50	120301083		
MF 26 x 1,0	26,0	18,0	90	22	14,5	25,00	120301084		
MF 26 x 1,5	26,0	18,0	90	22	14,5	24,50	120301085		
MF 26 x 2,0	26,0	18,0	90	22	14,5	24,00	120301086		
MF 27 x 1	27,0	20,0	90	22	16,0	26,00	120301087		
MF 27 x 1,5	27,0	20,0	90	22	16,0	25,50	120301088		
MF 27 x 2,0	27,0	20,0	90	22	16,0	25,00	120301089		
MF 28 x 1,0	28,0	20,0	90	22	16,0	27,00	120301090		
MF 28 x 1,5	28,0	20,0	90	22	16,0	26,50	120301091		
MF 28 x 2,0	28,0	20,0	90	22	16,0	26,00	120301092		
MF 29 x 1,5	29,0	22,0	90	22	18,0	27,50	120301093		
MF 30 x 1,0	30,0	22,0	90	22	18,0	29,00	120301094		
MF 30 x 1,5	30,0	22,0	90	22	18,0	28,50	120301095	120302018	
MF 30 x 2,0	30,0	22,0	90	22	18,0	28,00	120301096	120302019	
MF 30 x 2,5	30,0	22,0	125	56	18,0	27,50	120301097		
MF 30 x 3,0	30,0	22,0	125	56	18,0	27,00	120301098		
MF 32 x 1	32,0	22,0	90	22	18,0	31,00	120301099		