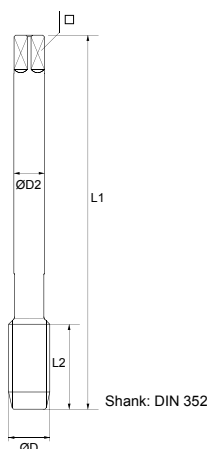


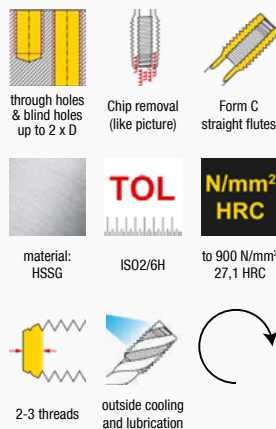
- Efficient internal thread cutting.
- The short structural type makes that tap usable by hand.

A Hand-Tap-Set includes 3 taps:

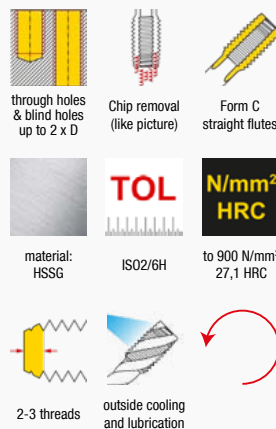
- Taper Tap
- Intermediate Tap
- Finish Tap



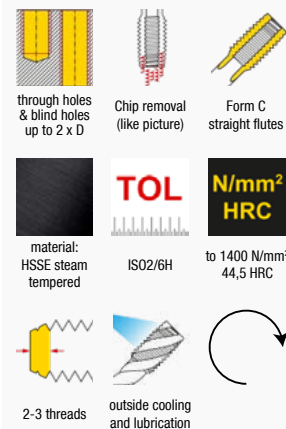
Hand Tap Sets for general use



Hand Tap Sets for general use Left Hand



Hand Tap Sets for stainless steels



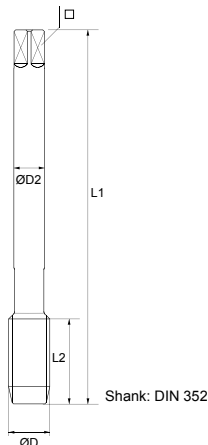
M	D1	D2	L1	L2	□	□	No.	€	No.	€	No.	€
M 1 x 0,25	1,0	2,5	32	6	2,1	0,75	110301001	20,74				
M 1,1 x 0,25	1,1	2,5	32	6	2,1	0,85	110301002	20,74				
M 1,2 x 0,25	1,2	2,5	32	6	2,1	0,95	110301003	20,74				
M 1,4 x 0,3	1,4	2,5	32	7	2,1	1,10	110301004	20,74				
M 1,6 x 0,35	1,6	2,5	32	8	2,1	1,25	110301005	20,74				
M 1,7 x 0,35	1,7	2,5	32	8	2,1	1,30	110301006	20,74				
M 1,8 x 0,35	1,8	2,5	32	8	2,1	1,45	110301007	20,74				
M 2 x 0,4	2,0	2,8	36	8	2,1	1,60	110301008	14,77				
M 2,2 x 0,45	2,2	2,8	36	9	2,1	1,75	110301009	14,77				
M 2,3 x 0,4	2,3	2,8	36	9	2,1	1,90	110301010	14,77				
M 2,5 x 0,45	2,5	2,8	40	9	2,1	2,05	110301011	14,77				
M 2,6 x 0,45	2,6	2,8	40	9	2,1	2,10	110301012	14,77				
M 3 x 0,5	3,0	3,5	40	11	2,7	2,50	110301013	7,54	110302001	13,22	110305001	26,13
M 3 x 0,6 *	3,0	3,5	40	11	2,7	2,40	110301014	11,00				
M 3,5 x 0,6	3,5	4,0	45	13	3,0	2,90	110301015	11,00				
M 3,5 x 0,75 *	3,5	4,0	45	13	3,0	2,75	110301016	206,17				
M 4 x 0,7	4,0	4,5	45	13	3,4	3,30	110301017	7,54	110302002	13,22	110305002	26,45
M 4 x 0,75	4,0	4,5	45	13	3,4	3,25	110301018	11,00				
M 4,5 x 0,75	4,5	6,0	50	16	4,9	3,70	110301019	11,00				
M 5 x 0,8	5,0	6,0	50	16	4,9	4,20	110301020	8,48	110302003	15,11	110305003	28,02
M 5 x 0,9 *	5,0	6,0	50	16	4,9	4,10	110301021	11,00				
M 5,5 x 0,9	5,5	6,0	50	18	4,9	4,60	110301022	13,83				
M 6 x 1,0	6,0	6,0	50	19	4,9	5,00	110301023	8,48	110302004	15,74	110305004	28,02
M 7 x 1,0	7,0	6,0	50	19	4,9	6,00	110301024	13,83				
M 8 x 1,25	8,0	6,0	56	22	4,9	6,80	110301025	11,00	110302005	17,95	110305005	38,10
M 9 x 1,25	9,0	7,0	63	22	5,5	7,80	110301026	18,54				
M 10 x 1,5	10,0	7,0	70	24	5,5	8,50	110301027	14,45	110302006	24,56	110305006	49,75
M 11 x 1,5	11,0	8,0	70	24	6,2	9,50	110301028	23,57				
M 12 x 1,75	12,0	9,0	75	29	7,0	10,20	110301029	18,85	110302007	32,11	110305007	61,71
M 14 x 2,0	14,0	11,0	80	30	9,0	12,00	110301030	21,68	110302008	35,58		

* special pitch

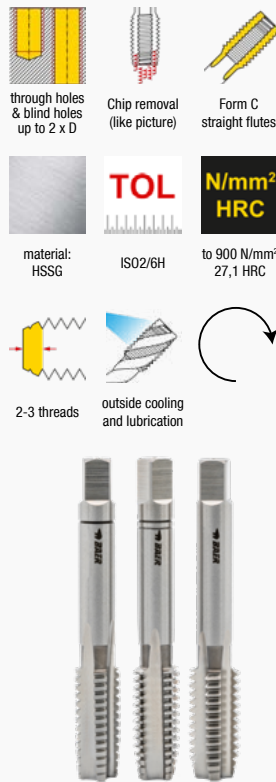
- Efficient internal thread cutting.
- The short structural type makes that tap usable by hand.

A Hand-Tap-Set includes 3 taps:

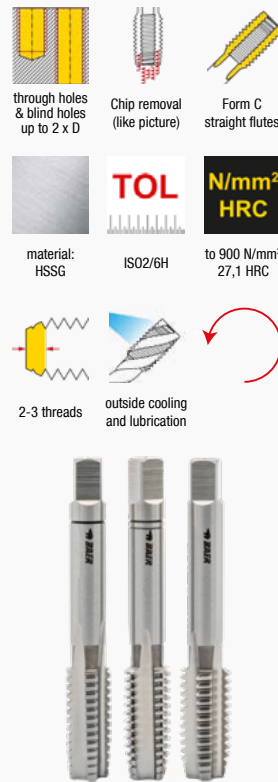
- Taper Tap
- Intermediate Tap
- Finish Tap



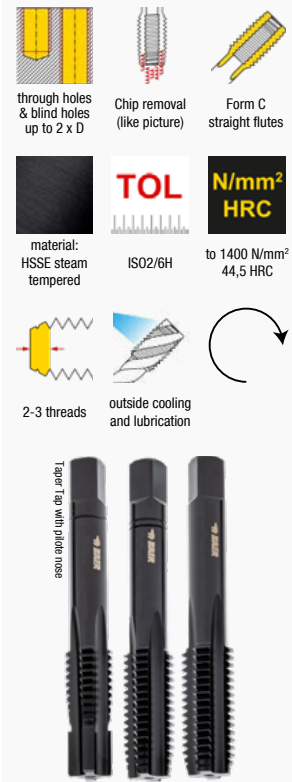
Hand Tap Sets for general use



Hand Tap Sets for general use Left Hand



Hand Tap Sets for stainless steels



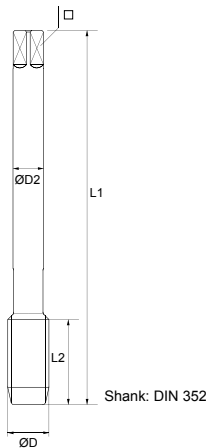
M	D1	D2	L1	L2	□	□	No.	€	No.	€	No.	€
M 15 x 2,0	15,0	12,0	80	32	9,0	13,00	110301031	25,77				
M 16 x 2,0	16,0	12,0	80	32	9,0	14,00	110301032	27,02	110302009	44,39		
M 18 x 2,5	18,0	14,0	95	40	11,0	15,50	110301033	35,51	110302010	57,62		
M 20 x 2,5	20,0	16,0	95	40	12,0	17,50	110301034	40,85	110302011	64,54		
M 22 x 2,5	22,0	18,0	100	40	14,5	19,50	110301035	50,59	110302012	78,71		
M 24 x 3,0	24,0	18,0	110	50	14,5	21,00	110301036	62,84	110302013	110,19		
M 27 x 3,0	27,0	20,0	110	50	16,0	24,00	110301037	97,41	110302014	176,31		
M 30 x 3,5	30,0	22,0	125	56	18,0	26,50	110301038	131,97	110302015	214,09		
M 33 x 3,5	33,0	25,0	125	56	20,0	29,50	110301039	169,67	110302016	264,47		
M 36 x 4,0	36,0	28,0	150	63	22,0	32,00	110301040	201,09	110302017	317,99		
M 39 x 4,0	39,0	32,0	150	63	24,0	35,00	110301041	257,65	110302018	409,29		
M 42 x 4,5	42,0	32,0	150	63	24,0	37,50	110301042	289,07	110302019	462,82		
M 45 x 4,5	45,0	36,0	160	70	29,0	40,50	110301043	351,92	110302020	557,27		
M 48 x 5,0	48,0	36,0	180	75	29,0	43,00	110301044	493,31	110302021	790,25		
M 52 x 5,0	52,0	40,0	180	75	32,0	47,00	110301045	493,31	110302022	790,25		
M 56 x 5,5	56,0	45,0	200	85	35,0	50,50	110301046	637,85				
M 60 x 5,5	60,0	45,0	200	85	35,0	54,50	110301047	848,37				
M 64 x 6,0	64,0	50,0	220	90	39,0	58,00	110301048	942,63				
M 68 x 6,0	68,0	50,0	220	90	39,0	62,00	110301049	1.178,29				
M 72 x 6,0	72,0	50,0	240	80	39,0	66,00	110301050	2.388,00				
M 76 x 6,0	76,0	50,0	240	80	39,0	70,00	110301051	2.906,45				
M 80 x 6,0	80,0	50,0	260	85	39,0	74,00	110301052	3.204,95				
M 84 x 6,0	84,0	50,0	260	85	39,0	78,00	110301053	3.707,68				
M 88 x 6,0	88,0	50,0	260	85	39,0	82,00	110301054	4.901,68				
M 90 x 6,0	90,0	50,0	260	85	39,0	84,00	110301055	5.278,74				
M 92 x 6,0	92,0	56,0	280	90	44,0	86,00	110301056	5.655,79				
M 96 x 6,0	96,0	56,0	280	90	44,0	90,00	110301057	6.409,89				
M 100 x 6,0	100,0	56,0	280	90	44,0	94,00	110301058	7.164,00				

* special pitch

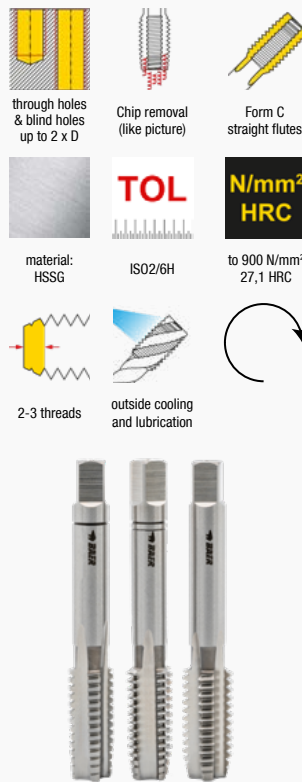
- ✓ Efficient internal thread cutting.
- ✓ The short structural type makes that tap usable by machine and hand.

A Hand-Tap-Set includes 3 taps:

- ⚙ Taper Tap
- ⚙ Intermediate Tap
- ⚙ Finish Tap



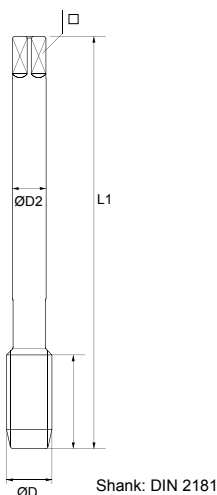
Hand Tap Sets with conical profile



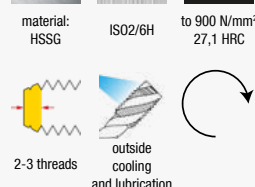
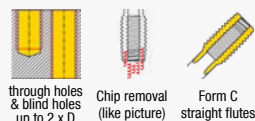
Hand Tap Sets HSSE for higher demands



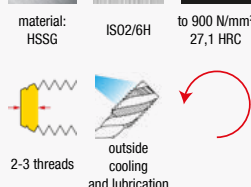
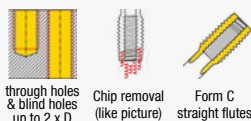
	D1	D2	L1	L2	□		No.	€	No.	€
M 2 x 0,4	2,0	2,8	36	8	2,1	1,60	110313001	14,80		
M 2,5 x 0,45	2,5	2,8	40	9	2,1	2,05	110313002	14,80		
M 3 x 0,5	3,0	3,5	40	11	2,7	2,50	110313003	7,56	110304001	14,48
M 4 x 0,7	4,0	4,5	45	13	3,4	3,30	110313004	7,56	110304002	14,80
M 5 x 0,8	5,0	6,0	50	16	4,9	4,20	110313005	8,50	110304003	15,43
M 6 x 1,0	6,0	6,0	50	19	4,9	5,00	110313006	8,50	110304004	15,43
M 8 x 1,25	8,0	6,0	56	22	4,9	6,80	110313007	11,02	110304005	21,09
M 9 x 1,25	9,0	7,0	63	22	5,5	7,80	110313008	18,58		
M 10 x 1,5	10,0	7,0	70	24	5,5	8,50	110313009	14,48	110304006	27,71
M 11 x 1,5	11,0	8,0	70	24	6,2	9,50	110313010	23,61		
M 12 x 1,75	12,0	9,0	75	29	7,0	10,20	110313011	18,89	110304007	34,32
M 13 x 1,75	12,0	9,0	75	29	7,0	11,20	110313012	26,13		
M 14 x 2,0	14,0	11,0	80	30	9,0	12,00	110313013	21,72	110304008	39,04
M 16 x 2,0	16,0	12,0	80	32	9,0	14,00	110313014	27,08	110304009	50,69
M 18 x 2,5	18,0	14,0	95	40	11,0	15,50	110313015	35,58	110304010	63,91
M 19 x 2,5	18,0	14,0	95	40	11,0	16,50	110313016	48,80		
M 20 x 2,5	20,0	16,0	95	40	12,0	17,50	110313017	40,93	110304011	73,99
M 22 x 2,5	22,0	18,0	100	40	14,5	19,50	110313018	50,69	110304012	89,42
M 24 x 3,0	24,0	18,0	110	50	14,5	21,00	110313019	62,97	110304013	111,14
M 27 x 3,0	27,0	20,0	110	50	16,0	24,00	110313020	97,60	110304014	168,44
M 30 x 3,5	30,0	22,0	125	56	18,0	26,50	110313021	132,23	110304015	229,21
M 33 x 3,5	33,0	25,0	125	56	20,0	29,50	110313022	170,01		
M 36 x 4,0	36,0	28,0	150	63	22,0	32,00	110313023	201,50		
M 39 x 4,0	39,0	32,0	150	63	24,0	35,00	110313024	258,17		
M 42 x 4,5	42,0	32,0	150	63	24,0	37,50	110313025	289,65		



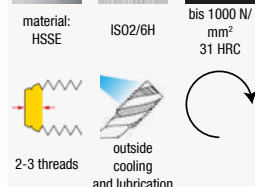
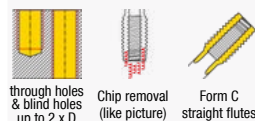
Hand Tap Sets for general use



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

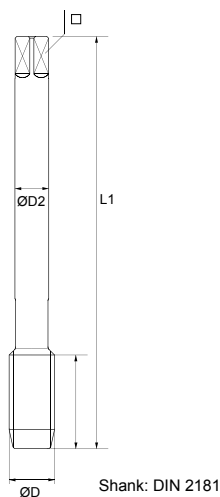
Efficient internal thread cutting.

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

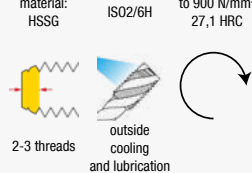
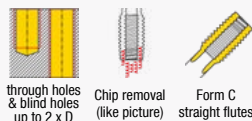
A Hand-Tap-Set includes 2 taps:

⚙ Taper Tap

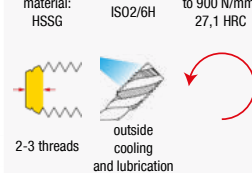
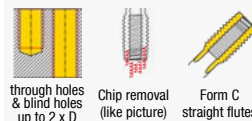
⚙ Finish Tap



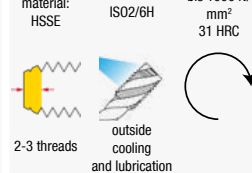
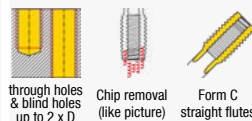
Hand Tap Sets for general use



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	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				

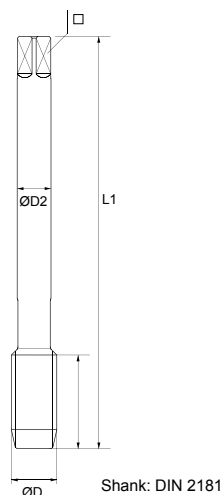
MF Metric fine thread / ISO DIN 13

Efficient internal thread cutting.

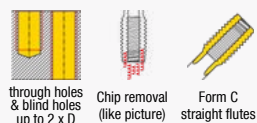
The short structural type makes that tap usable by machine and hand.

A Hand-Tap-Set includes 2 taps:

- Taper Tap
- Finish Tap



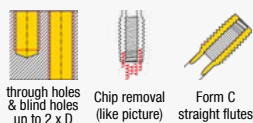
Hand Tap Sets for general use



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



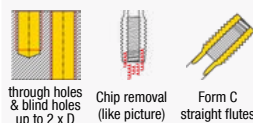
Hand Tap Sets for general use Left Hand



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



Hand Tap Sets HSSE for higher demands



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



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			

MF Metric fine thread / ISO DIN 13

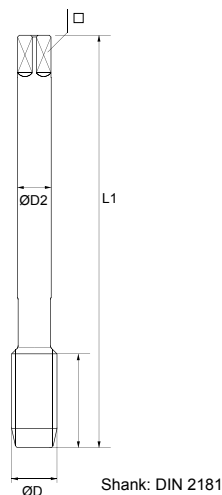
Efficient internal thread cutting.

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

A Hand-Tap-Set includes 2 taps:

Taper Tap

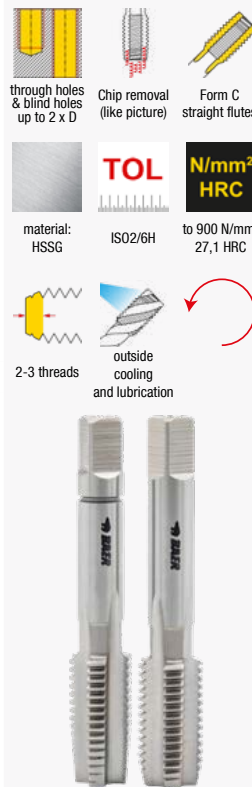
Finish Tap



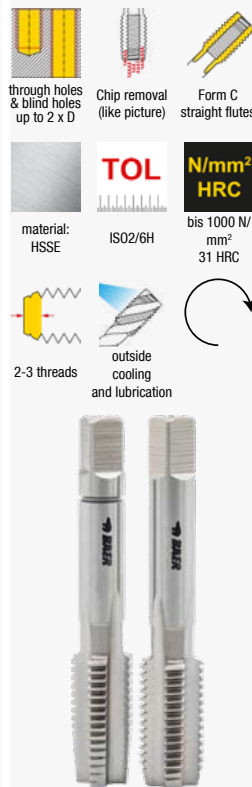
Hand Tap Sets for general use



Hand Tap Sets for general use Left Hand



Hand Tap Sets HSSE for higher demands



MF	D1	D2	L1	L2			No.	€	No.	€	No.	€
MF 32 x 1,5	32,0	22,0	90	22	18,0	30,50	120301100	133,32				
MF 32 x 2,0	32,0	22,0	90	22	18,0	30,00	120301101	133,32				
MF 32 x 3,0	32,0	22,0	125	56	18,0	29,00	120301102	133,32				
MF 33 x 1,5	33,0	25,0	100	25	20,0	31,50	120301103	133,32				
MF 33 x 2,0	33,0	25,0	100	25	20,0	31,00	120301104	163,72				
MF 33 x 3,0	33,0	25,0	125	56	20,0	30,00	120301105	163,72				
MF 34 x 1	34,0	28,0	100	25	22,0	33,00	120301106	163,72				
MF 34 x 1,5	34,0	28,0	100	25	22,0	32,50	120301107	163,72				
MF 34 x 2,0	34,0	28,0	125	40	22,0	32,00	120301108	163,72				
MF 35 x 1	35,0	28,0	100	25	22,0	34,00	120301109	163,72				
MF 35 x 1,5	35,0	28,0	100	25	22,0	33,50	120301110	163,72				
MF 35 x 2	35,0	28,0	125	40	22,0	33,00	120301111	163,72				
MF 36 x 1	36,0	28,0	100	25	22,0	35,00	120301112	170,74				
MF 36 x 1,5	36,0	28,0	100	25	22,0	34,50	120301113	170,74				
MF 36 x 2,0	36,0	28,0	125	40	22,0	34,00	120301114	170,74				
MF 36 x 3,0	36,0	28,0	125	40	22,0	33,00	120301115	170,74				
MF 37 x 1,5	37,0	28,0	100	25	22,0	35,50	120301116	212,84				
MF 38 x 1	38,0	28,0	100	25	22,0	37,00	120301117	212,84				
MF 38 x 1,5	38,0	28,0	100	25	22,0	36,50	120301118	212,84				
MF 38 x 2	38,0	28,0	125	40	22,0	36,00	120301119	212,84				
MF 38 x 3	38,0	28,0	125	40	22,0	35,00	120301120	212,84				
MF 39 x 1,5	39,0	32,0	110	25	24,0	37,50	120301121	212,84				
MF 39 x 2,0	39,0	32,0	125	40	24,0	37,00	120301122	212,84				
MF 39 x 3,0	39,0	32,0	125	40	24,0	36,00	120301123	212,84				
MF 40 x 1	40,0	32,0	110	25	24,0	39,00	120301124	212,84				
MF 40 x 1,5	40,0	32,0	110	25	24,0	38,50	120301125	212,84				
MF 40 x 2,0	40,0	32,0	125	40	24,0	38,00	120301126	212,84				
MF 40 x 3,0	40,0	32,0	125	40	24,0	37,00	120301127	212,84				
MF 42 x 1	42,0	32,0	110	25	24,0	41,00	120301128	212,84				
MF 42 x 1,5	42,0	32,0	110	25	24,0	40,50	120301129	212,84				
MF 42 x 2,0	42,0	32,0	125	40	24,0	40,00	120301130	222,21				
MF 42 x 3,0	42,0	32,0	125	40	24,0	39,00	120301131	222,21				
MF 44 x 1,5	44,0	36,0	110	25	29,0	42,50	120301132	250,27				

MF Metric fine thread / ISO DIN 13

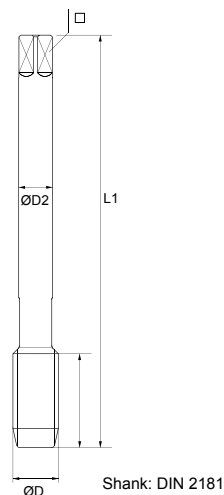
Efficient internal thread cutting.

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

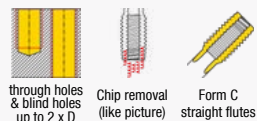
A Hand-Tap-Set includes 2 taps:

Taper Tap

Finish Tap



Hand Tap Sets for general use

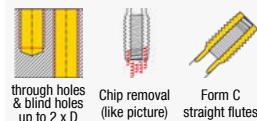


TOL **N/mm² HRC**

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



Hand Tap Sets for general use Left Hand

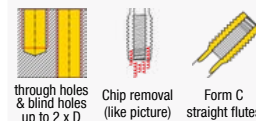


TOL **N/mm² HRC**

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

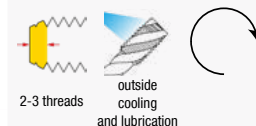


Hand Tap Sets HSSE for higher demands



TOL **N/mm² HRC**

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



MF	D1	D2	L1	L2		No.	€	No.	€	No.	€
MF 44 x 2	44,0	36,0	125	40	29,0	42,00	120301133	250,27			
MF 45 x 1	45,0	36,0	110	25	29,0	44,00	120301134	250,27			
MF 45 x 1,5	45,0	36,0	110	25	29,0	43,50	120301135	250,27			
MF 45 x 2,0	45,0	36,0	125	40	29,0	43,00	120301136	250,27			
MF 45 x 3,0	45,0	36,0	125	40	29,0	42,00	120301137	250,27			
MF 46 x 1,5	46,0	36,0	140	40	29,0	45,50	120301138	250,27			
MF 48 x 1	48,0	36,0	140	40	29,0	47,00	120301139	299,39			
MF 48 x 1,5	48,0	36,0	140	40	29,0	46,50	120301140	299,39			
MF 48 x 2,0	48,0	36,0	140	40	29,0	46,00	120301141	299,39			
MF 48 x 3,0	48,0	36,0	140	40	29,0	45,00	120301142	299,39			
MF 50 x 1,5	50,0	36,0	140	40	29,0	48,50	120301143	327,43			
MF 50 x 2,0	50,0	36,0	140	40	29,0	48,00	120301144	327,43			
MF 50 x 3,0	50,0	36,0	140	40	29,0	47,00	120301145	327,43			
MF 52 x 1,5	52,0	40,0	140	40	32,0	50,50	120301146	392,93			
MF 52 x 2,0	52,0	40,0	140	40	32,0	50,00	120301147	392,93			
MF 52 x 3,0	52,0	40,0	140	40	32,0	49,00	120301148	392,93			
MF 54 x 1	54,0	40,0	140	32	32,0	53,00	120301149	425,67			
MF 54 x 1,5	54,0	40,0	140	32	32,0	52,50	120301150	425,67			
MF 54 x 2,0	54,0	40,0	140	36	32,0	52,00	120301151	425,67			
MF 54 x 3,0	54,0	40,0	140	40	32,0	51,00	120301152	425,67			
MF 54 x 4,0	54,0	40,0	180	50	32,0	50,00	120301153	425,67			
MF 55 x 1,5	55,0	40,0	140	32	32,0	53,50	120301154	486,47			
MF 55 x 2,0	55,0	40,0	140	36	32,0	53,00	120301155	486,47			
MF 55 x 3,0	55,0	40,0	140	40	32,0	52,00	120301156	486,47			
MF 55 x 4,0	55,0	40,0	180	50	32,0	51,00	120301157	486,47			
MF 56 x 1	56,0	40,0	140	32	32,0	55,00	120301158	540,29			
MF 56 x 1,5	56,0	40,0	140	32	32,0	54,50	120301159	547,28			
MF 56 x 2,0	56,0	40,0	140	36	32,0	54,00	120301160	547,28			
MF 56 x 3,0	56,0	40,0	140	40	32,0	53,00	120301161	547,28			
MF 56 x 4,0	56,0	40,0	180	50	32,0	52,00	120301162	547,28			
MF 58 x 1	58,0	45,0	160	32	35,0	57,00	120301163	584,71			
MF 58 x 1,5	58,0	45,0	160	32	35,0	56,50	120301164	556,66			
MF 58 x 2,0	58,0	45,0	160	36	35,0	56,00	120301165	556,66			
MF 58 x 3,0	58	45	160	40	35	55	120301166	556,66			

MF Metric fine thread / ISO DIN 13

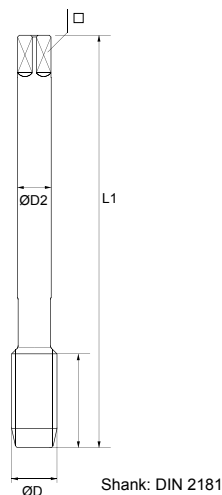
Efficient internal thread cutting.

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

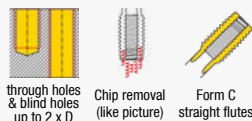
A Hand-Tap-Set includes 2 taps:

Taper Tap

Finish Tap



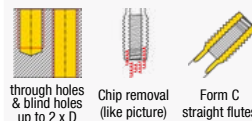
Hand Tap Sets for general use



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



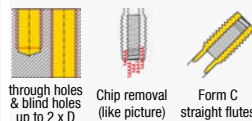
Hand Tap Sets for general use Left Hand



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 58 x 4,0	58	45	200	55	35	54	120301167	556,66			
MF 60 x 1,5	60	45	160	34	35	58,5	120301168	582,39			
MF 60 x 2,0	60	45	160	36	35	58	120301169	582,39			
MF 60 x 3,0	60	45	160	40	35	57	120301170	582,39			
MF 60 x 4,0	60	45	200	55	35	56	120301171	582,39			
MF 62 x 1,5	62	50	160	34	39	60,5	120301172	666,61			
MF 62 x 2,0	62	50	160	36	39	60	120301173	666,61			
MF 62 x 3,0	62	50	180	45	39	59	120301174	666,61			
MF 62 x 4,0	62	50	220	55	39	58	120301175	666,61			
MF 63 x 1,5	63	50	160	32	39	61,5	120301176	685,31			
MF 64 x 1,5	64	50	160	34	39	62,5	120301177	685,31			
MF 64 x 2,0	64	50	160	36	39	62	120301178	685,31			
MF 64 x 3,0	64	50	180	45	39	61	120301179	685,31			
MF 64 x 4,0	64	50	220	60	39	60	120301180	696,99			
MF 65 x 1,5	65	50	160	34	39	63,5	120301181	725,03			
MF 65 x 2,0	65	50	160	36	39	63	120301182	725,03			
MF 65 x 3,0	65	50	180	45	39	62	120301183	725,03			
MF 65 x 4,0	65	50	220	60	39	61	120301184	725,03			
MF 68 x 1,5	68	50	160	36	39	66,5	120301185	748,44			
MF 68 x 2,0	68	50	160	40	39	66	120301186	748,44			
MF 68 x 3,0	68	50	180	50	39	65	120301187	748,44			
MF 68 x 4,0	68	50	220	60	39	64	120301188	748,44			
MF 70 x 1,5	70	50	160	36	39	68,5	120301189	1.414,74			
MF 70 x 2,0	70	50	160	40	39	68	120301190	1.414,74			
MF 70 x 3,0	70	50	200	50	39	67	120301191	1.604,21			
MF 70 x 4,0	70	50	240	60	39	66	120301192	1.604,21			
MF 72 x 1,5	72	50	160	36	39	70,5	120301193	1.414,74			
MF 72 x 2,0	72	50	160	40	39	70	120301194	1.414,74			
MF 72 x 3,0	72	50	200	50	39	69	120301195	1.604,21			
MF 72 x 4,0	72	50	240	60	39	68	120301196	1.604,21			
MF 74 x 1,5	74	50	160	36	39	72,5	120301197	1.566,32			
MF 74 x 2,0	74	50	160	40	39	72	120301198	1.566,32			
MF 74 x 3,0	74	50	200	50	39	71	120301199	1.844,21			
MF 74 x 4,0	74	50	240	60	39	70	120301200	1.844,21			

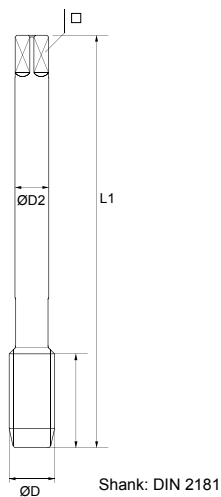
MF Metric fine thread / ISO DIN 13

Efficient internal thread cutting.

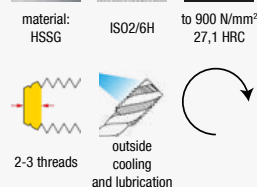
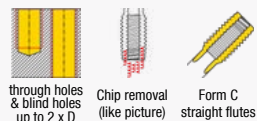
The short structural type makes that tap usable by machine and hand.

A Hand-Tap-Set includes 2 taps:

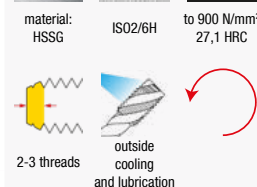
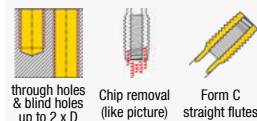
- Taper Tap
- Finish Tap



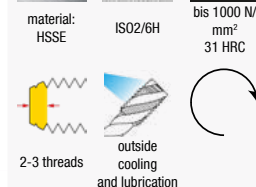
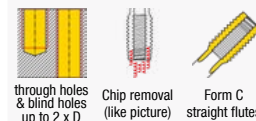
Hand Tap Sets for general use



Hand Tap Sets for general use Left Hand



Hand Tap Sets HSSE for higher demands



MF	D1	D2	L1	L2		No.	€	No.	€	No.	€
MF 75 x 1,5	75	50	160	36	39	73,5	120301201	1.578,95			
MF 75 x 2,0	75	50	160	40	39	73	120301202	1.578,95			
MF 75 x 3,0	75	50	200	50	39	72	120301203	1.856,84			
MF 75 x 4,0	75	50	240	60	39	71	120301204	1.856,84			
MF 76 x 1,5	76	50	160	36	39	74,5	120301205	1.604,21			
MF 76 x 2,0	76	50	160	40	39	74	120301206	1.604,21			
MF 76 x 3,0	76	50	220	50	39	73	120301207	1.983,16			
MF 76 x 4,0	76	50	260	60	39	72	120301208	1.983,16			
MF 78 x 1,5	78	50	160	36	39	76,5	120301209	1.604,21			
MF 78 x 2,0	78	50	160	40	39	76	120301210	1.604,21			
MF 78 x 3,0	78	50	220	55	39	75	120301211	1.983,16			
MF 78 x 4,0	78	50	260	65	39	74	120301212	1.983,16			
MF 80 x 1,5	80	50	160	36	39	78,5	120301213	1.743,16			
MF 80 x 2,0	80	50	160	40	39	78	120301214	1.743,16			
MF 80 x 3,0	80	50	220	55	39	77	120301215	2.172,63			
MF 80 x 4,0	80	50	260	65	39	76	120301216	2.172,63			
MF 82 x 1,5	82	50	160	36	39	80,5	120301217	1.743,16			
MF 82 x 2,0	82	50	160	40	39	80	120301218	1.743,16			
MF 82 x 3,0	82	50	220	55	39	79	120301219	2.172,63			
MF 82 x 4,0	82	50	260	65	39	78	120301220	2.172,63			
MF 84 x 1,5	84	50	160	36	39	82,5	120301221	2.033,68			
MF 84 x 2,0	84	50	160	40	39	82	120301222	2.033,68			
MF 84 x 3,0	84	50	220	55	39	81	120301223	2.456,84			
MF 84 x 4,0	84	50	260	65	39	80	120301224	2.456,84			
MF 85 x 1,5	85	50	160	36	39	83,5	120301225	2.652,63			
MF 85 x 2,0	85	50	160	40	39	83	120301226	2.652,63			
MF 85 x 3,0	85	50	220	55	39	82	120301227	3.284,21			
MF 85 x 4,0	85	50	260	65	39	81	120301228	3.284,21			
MF 86 x 1,5	86	50	160	36	39	84,5	120301229	2.652,63			
MF 86 x 2,0	86	50	160	40	39	84	120301230	2.652,63			
MF 86 x 3,0	86	50	220	55	39	83	120301231	3.233,68			
MF 86 x 4,0	86	50	260	65	39	82	120301232	3.233,68			
MF 88 x 1,5	88	50	160	38	39	86,5	120301233	2.905,26			
MF 88 x 2,0	88	50	160	40	39	86	120301234	2.905,26			

MF Metric fine thread / ISO DIN 13

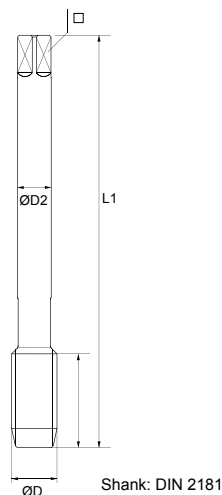
Efficient internal thread cutting.

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

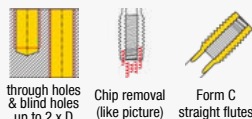
A Hand-Tap-Set includes 2 taps:

Taper Tap

Finish Tap

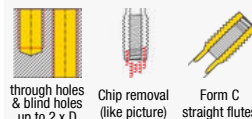


Hand Tap Sets for general use



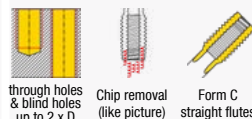
Hand Tap Sets for general use Left Hand

Left Hand



Hand Tap Sets HSSE for higher demands

HSSE for higher demands



MF	D1	D2	L1	L2			No.	€	No.	€	No.	€
MF 88 x 3,0	88	50	220	55	39	85	120301235	3.334,74				
MF 88 x 4,0	88	50	260	65	39	84	120301236	3.334,74				
MF 90 x 1,5	90	50	160	38	39	88,5	120301237	3.031,58				
MF 90 x 2,0	90	50	160	40	39	88	120301238	2.981,05				
MF 90 x 3,0	90	50	220	55	39	87	120301239	3.562,11				
MF 90 x 4,0	90	50	260	65	39	86	120301240	3.562,11				
MF 92 x 1,5	92	56	180	40	44	90,5	120301241	3.031,58				
MF 92 x 2,0	92	56	180	45	44	90	120301242	3.031,58				
MF 92 x 3,0	92	56	240	60	44	89	120301243	3.840,00				
MF 92 x 4,0	92	56	280	70	44	88	120301244	3.840,00				
MF 95 x 1,5	95	56	180	40	44	93,5	120301245	3.258,95				
MF 95 x 2,0	95	56	180	45	44	93	120301246	3.258,95				
MF 95 x 3,0	95	56	240	60	44	92	120301247	4.294,74				
MF 95 x 4,0	95	56	280	70	44	91	120301248	4.193,68				
MF 96 x 1,5	96	56	180	40	44	94,5	120301249	3.284,21				
MF 96 x 2,0	96	56	180	45	44	94	120301250	3.284,21				
MF 96 x 3,0	96	56	240	60	44	93	120301251	4.294,74				
MF 96 x 4,0	96	56	280	70	44	92	120301252	4.294,74				
MF 98 x 1,5	98	56	180	40	44	96,5	120301253	3.536,84				
MF 98 x 2,0	98	56	180	45	44	96	120301254	3.536,84				
MF 98 x 3,0	98	56	240	60	44	95	120301255	4.673,68				
MF 98 x 4,0	98	56	280	70	44	94	120301256	4.673,68				
MF 100 x 1,5	100	56	180	45	44	98,5	120301257	4.042,11				
MF 100 x 2,0	100	56	180	50	44	98	120301258	4.042,11				
MF 100 x 3,0	100	56	240	65	44	97	120301259	4.926,32				
MF 100 x 4,0	100	56	280	75	44	96	120301260	4.926,32				
MF 105 x 1,5	105	56	180	45	44	103,5	120301261	4.370,53				
MF 105 x 2,0	105	56	180	50	44	103	120301262	4.370,53				
MF 105 x 3,0	105	56	240	65	44	102	120301263	5.305,26				
MF 105 x 4,0	105	56	280	75	44	101	120301264	5.305,26				
MF 110 x 1,5	110	56	180	45	44	108,5	120301265	4.800,00				
MF 110 x 2,0	110	56	180	50	44	108	120301266	4.800,00				
MF 110 x 3,0	110	56	240	65	44	107	120301267	5.936,84				
MF 110 x 4,0	110	56	280	75	44	106	120301268	5.936,84				

G-Rohr (BSP)

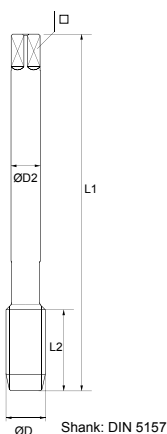
British standard whitworth pipe thread / DIN ISO 228

Efficient internal thread cutting.

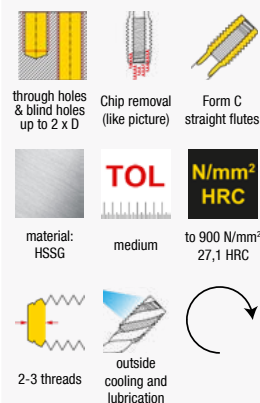
The short structural type makes that tap usable by machine and hand.

A Hand-Tap-Set includes 2 taps:

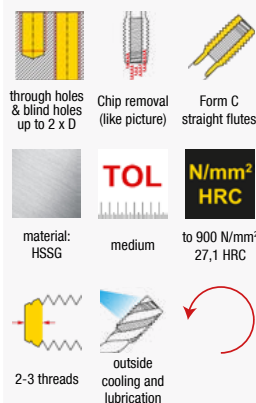
- Taper Tap
- Finish Tap



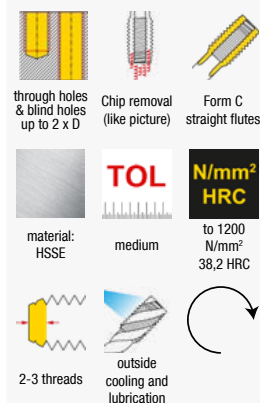
Hand Tap Sets for general use



Hand Tap Sets for general use Left Hand



Hand Tap Sets for high tensile materials



G(BSP)

	D1	D2	L1	L2		No.	€	No.	€	No.	€	
BSP 1/8 x 28	9,73	7,0	63	20	5,5	8,80	130301001	12,80	130302001	19,55	130304001	18,62
BSP 1/4 x 19	13,16	11,0	70	22	9,0	11,80	130301002	14,43	130302002	22,10	130304002	23,27
BSP 3/8 x 19	16,66	12,0	70	22	9,0	15,25	130301003	20,94	130302003	31,89	130304003	33,04
BSP 1/2 x 14	20,95	16,0	80	22	12,0	19,00	130301004	29,78	130302004	41,42	130304004	51,20
BSP 5/8 x 14	22,91	18,0	80	22	14,5	21,00	130301005	42,13	130302005	63,54		
BSP 3/4 x 14	26,44	20,0	90	22	16,0	24,50	130301006	42,13	130302006	63,54	130304005	62,13
BSP 7/8 x 14	30,20	22,0	90	22	18,0	28,25	130301007	70,98				
BSP 1" x 11	33,25	25,0	100	25	20,0	30,75	130301008	70,98	130302007	107,51	130304006	107,04
BSP 1.1/8 x 11	37,90	28,0	125	40	22,0	35,30	130301009	123,33	130302008	186,17		
BSP 1.1/4 x 11	41,91	32,0	125	40	24,0	39,50	130301010	123,33	130302009	186,17		
BSP 1.3/8 x 11	44,32	36,0	140	40	29,0	41,70	130301011	168,70	130302010	246,67		
BSP 1.1/2 x 11	47,80	36,0	140	40	29,0	45,25	130301012	168,70	130302011	246,67		
BSP 1.5/8 x 11	52,00	40,0	140	40	32,0	49,60	130301013	337,43				
BSP 1.3/4 x 11	53,74	40,0	140	40	32,0	51,20	130301014	337,42	130302012	507,29		
BSP 2" x 11	59,61	45,0	160	40	35,0	57,00	130301015	349,08	130302013	507,29		
BSP 2.1/4 x 11	65,71	50,0	160	40	39,0	63,10	130301016	763,31				
BSP 2.1/2 x 11	75,18	50,0	160	40	39,0	72,60	130301017	1.158,62				
BSP 2.3/4 x 11	81,53	50,0	160	40	39,0	79,00	130301018	1.935,23				
BSP 3" x 11	87,88	50,0	160	40	39,0	85,50	130301019	2.254,27				
BSP 3.1/2 x 11	100,3	56,0	180	45	44,0	98,00	130301020	3.551,42				
BSP 4" x 11	113,0	56,0	180	45	44,0	110,50	130301021	4.432,98				

UNC

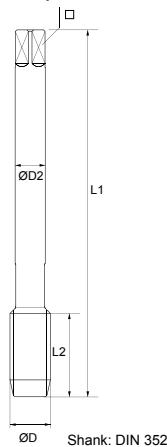
Unified coarse thread / ANSI B1.1

Efficient internal thread cutting.

The short structural type makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

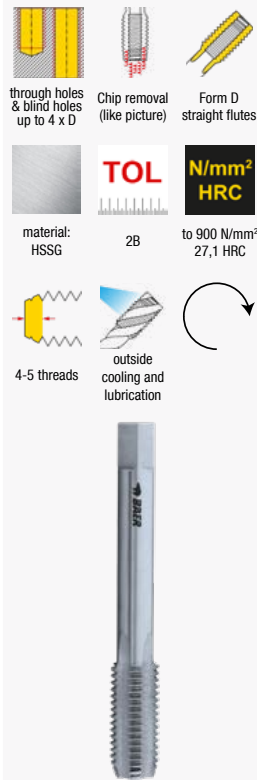
A Hand-Tap-Set includes 3 taps:

- Taper Tap
- Intermediate Tap
- Finish Tap

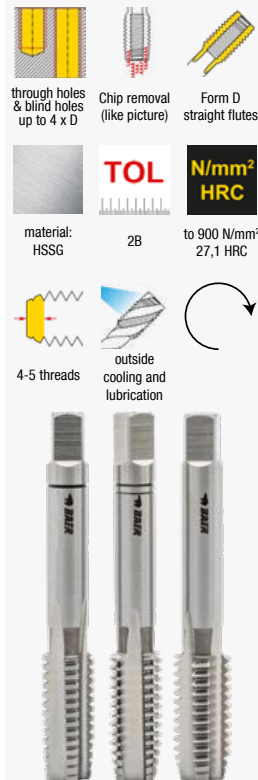


Short Machine Taps

Form D for through holes and blind holes

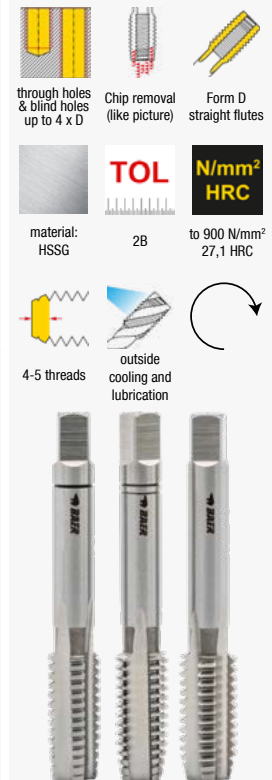


Hand Tap Sets for general use



Hand Tap Sets for general use

Left Hand



UNC

UNC	D1	D2	L1	L2			No.	€	No.	€	No.	€
UNC No 1 x 64	1,85	2,5	32	10	2,1	1,50			140301001	20,95		
UNC No 2 x 56	2,18	2,8	36	11	2,1	1,80			140301002	20,95		
UNC No 3 x 48	2,52	2,8	36	11	2,1	2,10			140301003	20,95		
UNC No 4 x 40	2,85	3,5	40	12	2,7	2,30			140301004	17,48		
UNC No 5 x 40	3,18	3,5	40	12	2,7	2,60			140301005	14,70		
UNC No 6 x 32	3,51	4,0	45	14	3,0	2,85			140301006	14,70	140302001	38,24
UNC No 8 x 32	4,17	4,5	45	14	3,4	3,50			140301007	14,70	140302002	38,24
UNC No 10 x 24	4,83	6,0	50	16	4,9	3,90			140301008	14,70	140302003	38,24
UNC No 12 x 24	5,49	6,0	50	18	4,9	4,50			140301009	14,70	140302004	38,24
UNC 1/4 x 20	6,35	6,0	50	19	4,9	5,20	140101001	4,90	140301010	14,70	140302005	24,21
UNC 5/16 x 18	7,94	6,0	56	22	4,9	6,60	140101002	5,50	140301011	16,38	140302006	25,26
UNC 3/8 x 16	9,53	7,0	70	24	5,5	8,00	140101003	6,08	140301012	18,17	140302007	29,47
UNC 7/16 x 14	11,11	8,0	70	24	6,2	9,40	140101004	7,72	140301013	23,05	140302008	36,14
UNC 1/2 x 13	12,70	9,0	75	29	7,0	10,80	140101005	9,36	140301014	27,93	140302009	43,16
UNC 9/16 x 12	14,29	11,0	80	30	9,0	12,20	140101006	12,27	140301015	36,65	140302010	56,13
UNC 5/8 x 11	15,88	12,0	80	32	9,0	13,50	140101007	13,80	140301016	41,19	140302011	63,85
UNC 3/4 x 10	19,05	14,0	95	40	11,0	16,50	140101008	18,48	140301017	55,16	140302012	85,25
UNC 7/8 x 9	22,23	18,0	100	40	14,5	19,50	140101009	24,56	140301018	73,30	140302013	106,30
UNC 1" x 8	25,40	18,0	110	50	14,5	22,25	140101010	28,30	140301019	84,48	140302014	127,70
UNC 1.1/8 x 7	28,58	22,0	132	56	18,0	25,00			140301020	130,20		
UNC 1.1/4 x 7	31,75	22,0	132	56	18,0	28,25			140301021	146,61		
UNC 1.3/8 x 6	34,93	28,0	150	63	22,0	30,75			140301022	190,59		
UNC 1.1/2 x 6	38,10	32,0	150	63	24,0	34,00			140301023	219,90		
UNC 1.5/8 x 5	41,28	32,0	160	70	24,0	37,10			140301024	439,82		
UNC 1.3/4 x 5	44,45	36,0	160	70	29,0	39,50			140301025	439,82		
UNC 1.7/8 x 4,5	47,63	36,0	190	80	29,0	42,00			140301026	572,47		
UNC 2" x 4,5	50,80	40,0	190	80	32,0	45,00			140301027	572,47		
UNC 2.1/4 x 4,5	57,15	45,0	220	80	35,0	51,50			140301028	1.473,46		
UNC 2.1/2 x 4	63,50	50,0	220	80	39,0	57,25			140301029	1.964,61		
UNC 2.3/4 x 4	69,85	50,0	240	80	39,0	63,50			140301030	4.911,54		
UNC 3" x 4	73,20	50,0	260	80	39,0	70,00			140301031	6.044,97		

UNF

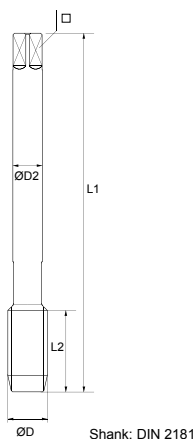
Unified fine thread / ANSI B1.1

Efficient internal thread cutting.

The short structural type makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

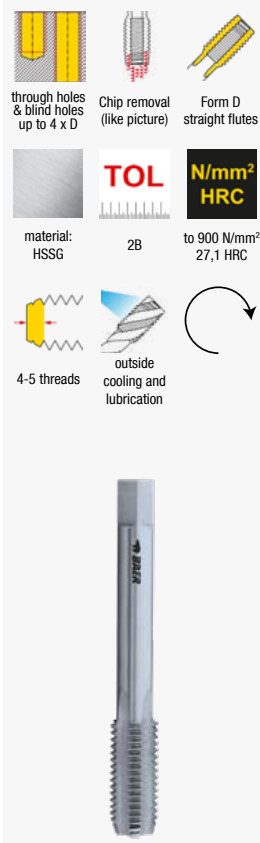
A Hand-Tap-Set includes 2 taps:

- Taper Tap
- Finish Tap



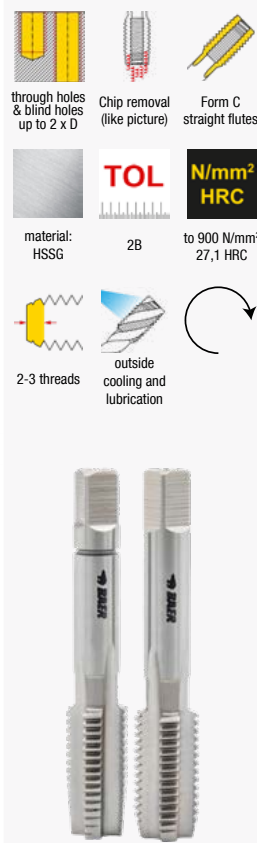
Short Machine Taps

Form D for through holes and blind holes



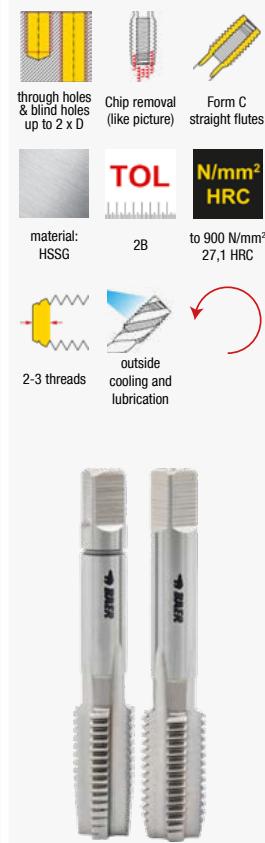
Hand Tap Sets

for general use



Hand Tap Sets

for general use



UNF

	D1	D2	L1	L2	□		No.	€	No.	€	No.	€
UNF No 0 x 80	1,52	2,5	28	8	2,1	1,30			150301001	14,03		
UNF No 1 x 72	1,85	2,8	32	9	2,1	1,60			150301002	14,03		
UNF No 2 x 64	2,18	2,8	32	10	2,1	1,90			150301003	14,03		
UNF No 3 x 56	2,52	2,8	32	10	2,1	2,10			150301004	14,03		
UNF No 4 x 48	2,85	3,5	36	11	2,7	2,40			150301005	11,70		
UNF No 5 x 44	3,18	3,5	36	11	2,7	2,70			150301006	9,82		
UNF No 6 x 40	3,51	4,5	40	12	3,4	3,00			150301007	9,82		
UNF No 8 x 36	4,17	4,5	40	12	3,4	3,50			150301008	9,82		
UNF No 10 x 32	4,83	6,0	45	14	4,9	4,10			150301009	9,82	150302001	25,49
UNF No 12 x 28	5,49	6,0	50	14	4,9	4,70			150301010	9,82		
UNF 1/4 x 28	6,35	6,0	50	18	4,9	5,50	150101001	4,90	150301011	9,83	150302002	16,14
UNF 5/16 x 24	7,94	6,0	56	22	4,9	6,90	150101002	5,50	150301012	10,99	150302003	16,84
UNF 3/8 x 24	9,53	7,0	63	22	5,5	8,50	150101003	6,08	150301013	12,16	150302004	19,65
UNF 7/16 x 20	11,11	8,0	63	22	6,2	9,90	150101004	7,72	150301014	15,44	150302005	24,09
UNF 1/2 x 20	12,70	9,0	75	24	7,0	11,50	150101005	9,36	150301015	18,71	150302006	28,77
UNF 9/16 x 18	14,29	11,0	80	28	9,0	12,90	150101006	12,27	150301016	24,56	150302007	37,42
UNF 5/8 x 18	15,88	12,0	80	28	9,0	14,50	150101007	13,80	150301017	27,60	150302008	42,57
UNF 3/4 x 16	19,05	14,0	95	32	11,0	17,50	150101008	18,48	150301018	36,95	150302009	56,84
UNF 7/8 x 14	22,23	18,0	100	36	14,5	20,25	150101009	24,56	150301019	49,12	150302010	70,88
UNF 1" x 12	25,40	18,0	110	40	14,5	23,25	150101010	28,30	150301020	56,61	150302011	85,13
UNF 1" x 14	25,40	18,0	110	40	14,5	23,30			150301021	61,29		
UNF 1.1/8 x 12	28,58	22,0	110	50	18,0	26,50			150301022	87,24		
UNF 1.1/4 x 12	31,75	22,0	132	56	18,0	29,50			150301023	98,24		
UNF 1.3/8 x 12	34,93	28,0	132	56	22,0	32,50			150301024	127,70		
UNF 1.1/2 x 12	38,10	32,0	150	63	24,0	36,00			150301025	147,35		

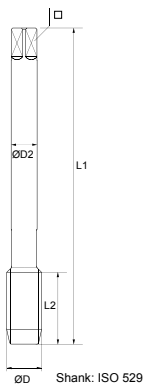
Efficient internal thread cutting.

The short structural type of the Hand Tap Sets makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

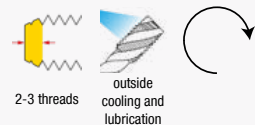
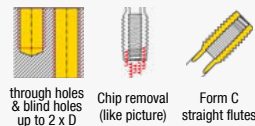
A Hand-Tap-Set includes 2 taps:

Taper Tap

Finish Tap

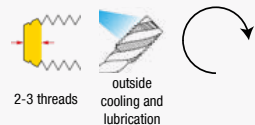
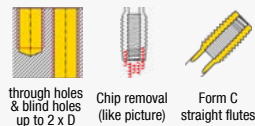


Hand Tap Sets for general use



Machine Taps

Form C for through holes and blind holes



UNEF

	D1	D2	L1	L2	□		No.	€	No.	€
UNEF No 12 x 32	5,49	5,6	62	17	4,5	4,75			170501001	11,12
UNEF 1/4 x 32	6,35	6,3	66	19	5,0	5,60	170313001	16,84	170501002	9,97
UNEF 5/16 x 32	7,94	8,0	72	22	6,3	7,20	170313002	18,94	170501003	12,49
UNEF 3/8 x 32	9,53	10,0	80	24	8,0	8,80	170313003	18,96	170501004	14,27
UNEF 7/16 x 28	11,11	8,0	85	25	6,3	10,25	170313004	26,66	170501005	16,79
UNEF 1/2 x 28	12,70	9,0	89	29	7,1	11,80	170313005	31,57	170501006	16,79
UNEF 9/16 x 24	14,29	11,2	95	30	9,0	13,30	170313006	44,21	170501007	25,19
UNEF 5/8 x 24	15,88	12,5	102	32	10,0	14,90	170313007	49,82	170501008	25,71
UNEF 11/16 x 24	17,46	14,0	112	37	11,2	16,50			170501009	47,65
UNEF 3/4 x 20	19,05	14,0	112	37	11,2	17,75	170313008	66,66	170501010	47,65
UNEF 13/16 x 20	20,64	16,0	118	38	12,5	19,50			170501011	58,14
UNEF 7/8 x 20	22,23	16,0	118	38	12,5	21,00	170313009	89,47	170501012	58,14
UNEF 15/16 x 20	23,81	18,0	130	45	14,0	22,50			170501013	66,75
UNEF 1" x 20	25,40	16,0	130	45	14,0	24,25	170313010	102,44	170501014	66,75
UNEF 1.1/16 x 18	26,99	20,0	138	48	16,0	25,70			170501015	76,82
UNEF 1.1/8 x 18	28,58	20,0	138	48	16,0	27,25			170501016	76,82
UNEF 1.3/16 x 18	30,16	22,4	151	51	18,0	28,75			170501017	90,04
UNEF 1.1/4 x 18	31,75	22,4	151	51	18,0	30,50			170501018	90,04
UNEF 1.5/16 x 18	33,34	25,0	162	57	20,0	32,00			170501019	113,34
UNEF 1.3/8 x 18	34,93	25,0	162	57	20,0	33,50			170501020	113,34
UNEF 1.7/16 x 18	36,51	28,0	170	60	22,4	35,20			170501021	146,09
UNEF 1.1/2 x 18	38,10	28,0	170	60	22,4	36,80			170501022	146,09
UNEF 1.9/16 x 18	39,69	28,0	170	60	22,4	38,40			170501023	172,53
UNEF 1.5/8 x 18	41,28	28,0	170	60	22,4	40,00			170501024	172,53
UNEF 1.11/16 x 18	42,86	31,5	187	67	25,0	41,50			170501025	199,40
UNEF 1.3/4 x 18	44,45	31,5	187	67	25,0	43,00			170501026	199,40
UNEF 2" x 18	50,80	35,5	200	70	28,0	49,50			170501027	304,77

8-UN

Unified thread series with 8-threads per inch (TPI)

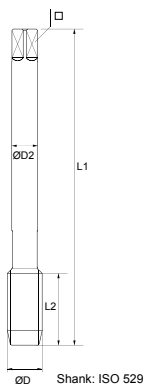
Efficient internal thread cutting.

The short structural type of the Hand Tap Sets makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

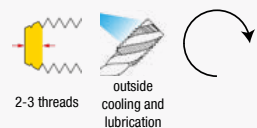
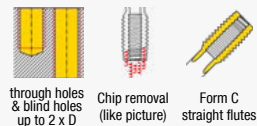
A Hand-Tap-Set includes 2 taps:

Taper Tap

Finish Tap

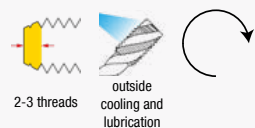
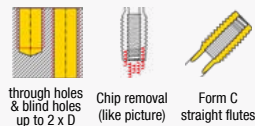


Hand Tap Sets for general use



Machine Taps

Form C for through holes and blind holes



8-UN

	D1	D2	L1	L2		No.	€	No.	€	
UN 1.1/16 x 8	26,99	20,0	138	48	16,0	23,90	180301001	352,80	180501001	76,82
UN 1.1/8 x 8	28,58	20,0	138	48	16,0	25,50	180301002	135,79	180501002	76,82
UN 1.3/16 x 8	30,16	22,4	151	51	18,0	27,10	180301003	389,84	180501003	89,94
UN 1.1/4 x 8	31,75	22,4	151	51	18,0	28,75	180301004	159,47	180501004	89,94
UN 1.5/16 x 8	33,34	25,0	162	57	20,0	30,30	180301005	413,44	180501005	113,34
UN 1.3/8 x 8	34,93	25,0	162	57	20,0	31,75	180301006	192,63	180501006	113,34
UN 1.1/2 x 8	38,10	28,0	170	60	22,4	35,00	180301007	243,16	180501007	146,09
UN 1.5/8 x 8	41,28	28,0	170	60	22,4	38,00	180301008	445,26	180501008	172,53
UN 1.3/4 x 8	44,45	31,5	187	67	25,0	41,50	180301009	445,26	180501009	201,50
UN 1.7/8 x 8	47,63	31,5	187	67	25,0	44,50	180301010	587,37	180501010	304,77
UN 2" x 8	50,80	35,5	200	70	28,0	47,75	180301011	587,37	180501011	304,77
UN 2.1/8 x 8	53,98	35,5	200	70	28,0	50,90	180301012	1.174,74	180501012	604,50
UN 2.1/4 x 8	57,15	40,0	221	76	31,5	54,00	180301013	461,05	180501013	604,50
UN 2.1/2 x 8	63,50	40,0	224	79	31,5	60,40	180301014	1.402,11	180501014	881,56
UN 2.3/4 x 8	69,85	45,0	234	79	35,5	66,70	180301015	1.724,21	180501015	969,71
UN 3" x 8	76,20	50,0	258	83	40,0	73,10	180301016	3.221,05	180501016	1.089,35
UN 3.1/4 x 8	82,55	50,0	261	86	40,0	79,40	180301017	4.583,09	180501017	1.089,35
UN 3.1/2 x 8	88,90	50,0	261	86	40,0	85,80	180301018	3.746,62	180501018	1.284,56
UN 3.3/4 x 8	95,25	56,0	279	89	45,0	92,10	180301019	7.891,70	180501019	1.574,21
UN 4" x 8	101,60	56,0	279	89	45,0	98,50	180301020	4.722,63	180501020	1.574,21

* on request

12-UN

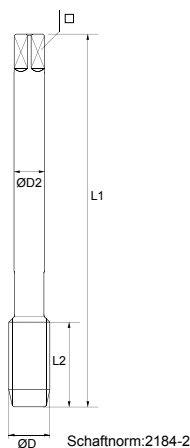
Unified thread series with 12-threads per inch (TPI)

Efficient internal thread cutting.

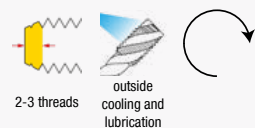
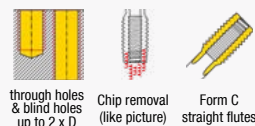
The short structural type makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

A Hand-Tap-Set includes 2-3 taps:

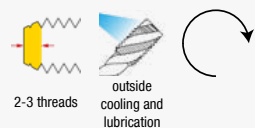
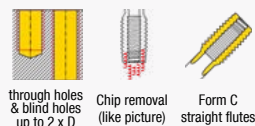
- Taper Tap (Intermediate Tap)
- Finish Tap



Hand Tap Sets for general use



Machine Taps Form C for through holes and blind holes



12-UN

	D1	D2	L1	L2	□		No.	€	No.	€
UN 1/2 x 12	12,70	9,0	75	25	7,0	10,65	190301001	314,21		
UN 5/8 x 12	15,88	12,0	80	25	9,0	13,80	190301002	374,85		
UN 11/16 x 12	17,46	14,0	80	25	11,0	15,40	190301003	418,95		
UN 3/4 x 12	19,05	14,0	80	25	11,0	17,00	190301004	463,05		
UN 13/16 x 12	20,64	16,0	80	25	12,0	18,60	190301005	474,08		
UN 7/8 x 12	22,23	18,0	80	25	14,5	20,20	190301006	475,18		
UN 15/16 x 12	23,81	18,0	90	25	14,5	21,80	190301007	475,18		
UN 1.1/16 x 12	26,99	20,0	90	28	16,0	24,90	190301008	497,23		
UN 1.3/16 x 12	30,16	22,0	90	28	18,0	28,10	190301009	577,71		
UN 1.5/16 x 12	33,34	28,0	125	32	22,0	31,30	190301010	614,09		
UN 1.7/16 x 12	36,51	28,0	125	32	22,0	34,50	190301011	800,42		
UN 1.5/8 x 12	41,28	32,0	125	32	24,0	39,20	190301012	1.025,33	190501001	214,09
UN 1.3/4 x 12	44,45	36,0	125	32	29,0	42,40	190301013	1.025,33	190501002	249,77
UN 1.7/8 x 12	47,63	36,0	140	32	29,0	45,60	190301014	1.168,65	190501003	384,11
UN 2 x 12	50,80	40,0	140	32	32,0	48,75	190301015	1.422,23	190501004	384,11
UN 2.1/8 x 12	53,98	35,5	200	70	28,0	51,90			190501005	758,77
UN 2.1/4 x 12	57,15	40,0	221	76	31,5	55,10			190501006	758,77
UN 2.1/2 x 12	63,50	40,0	224	79	31,5	61,50			190501007	1.101,95
UN 2.3/4 x 12	69,85	45,0	234	79	35,5	67,80			190501008	1.221,59
UN 3" x 12	76,20	50,0	258	83	40,0	74,20			190501009	1.360,12
UN 3.1/4 x 12	82,55	50,0	261	86	40,0	80,50			190501010	1.360,12
UN 3.1/2 x 12	88,90	50,0	261	86	40,0	86,90			190501011	1.586,80
UN 3.3/4 x 12	95,25	56,0	279	89	45,0	93,20			190501012	1.989,80
UN 4" x 12	101,60	56,0	279	89	45,0	99,60			190501013	1.989,80

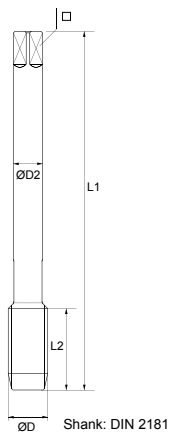
* on request

Efficient internal thread cutting.

The short structural type makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

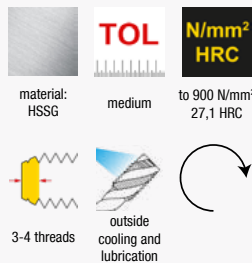
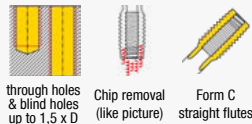
A Hand-Tap-Set includes 3 taps:

- Taper Tap
- Intermediate Tap
- Finish Tap

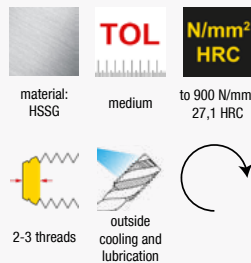
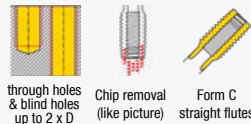


Short Machine Taps

Form D for through holes and blind holes

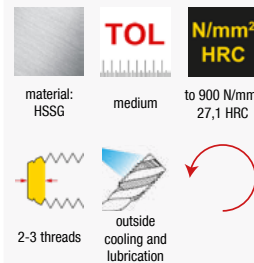
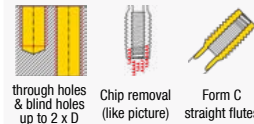


Hand Tap Sets for general use



Hand Tap Sets for general use

Left Hand



	D1	D2	L1	L2			No.	€	No.	€	No.	€
BSW 1/16 x 60	1,59	2,5	36	10	2,1	1,20	210101001	10,77	210301001	20,78		
BSW 3/32 x 48	2,38	2,8	36	10	2,1	1,90	210101002	8,69	210301002	16,06		
BSW 1/8 x 40	3,18	3,5	40	12	2,7	2,60	210101003	7,75	210301003	14,48	210302001	24,21
BSW 5/32 x 32	3,97	4,5	45	14	3,4	3,20	210101004	7,75	210301004	14,48	210302002	24,21
BSW 3/16 x 24	4,76	6,0	50	18	4,9	3,80	210101005	7,56	210301005	14,17	210302003	24,21
BSW 7/32 x 24	5,56	6,0	50	18	4,9	4,60	210101006	7,56	210301006	14,17		
BSW 1/4 x 20	6,35	6,0	50	19	4,9	5,10	210101007	7,56	210301007	14,17	210302004	24,21
BSW 5/16 x 18	7,94	6,0	56	22	4,9	6,50	210101008	8,51	210301008	15,74	210302005	25,26
BSW 3/8 x 16	9,53	7,0	70	24	5,5	7,90	210101009	9,44	210301009	17,63	210302006	29,47
BSW 7/16 x 14	11,11	8,0	70	24	6,2	9,30	210101010	11,90	210301010	22,35	210302007	36,14
BSW 1/2 x 12	12,70	9,0	75	29	7,0	10,50	210101011	14,35	210301011	27,08	210302008	43,16
BSW 9/16 x 12	14,29	11,0	80	30	9,0	12,00	210101012	18,89	210301012	35,26	210302009	56,13
BSW 5/8 x 11	15,88	12,0	80	32	9,0	13,50	210101013	21,16	210301013	39,67	210302010	63,85
BSW 3/4 x 10	19,05	14,0	95	40	11,0	16,50	210101014	28,34	210301014	53,21	210302011	85,25
BSW 7/8 x 9	22,23	18,0	100	40	14,5	19,50	210101015	37,78	210301015	70,84	210302012	106,30
BSW 1" x 8	25,40	18,0	110	50	14,5	22,00	210101016	43,45	210301016	81,54	210302013	127,70
BSW 1.1/8 x 7	28,58	22,0	132	56	18,0	25,00	210101017	67,06	210301017	125,62		
BSW 1.1/4 x 7	31,75	22,0	132	56	18,0	28,00	210101018	75,57	210301018	141,36		
BSW 1.3/8 x 6	34,93	28,0	150	63	22,0	30,50	210101019	98,23	210301019	183,87		
BSW 1.1/2 x 6	38,10	32,0	150	63	24,0	33,50	210101020	113,35	210301020	212,20		
BSW 1.5/8 x 5	41,28	32,0	160	70	24,0	35,50	210101021	226,70	210301021	424,41		
BSW 1.3/4 x 5	44,45	36,0	160	70	29,0	39,00	210101022	226,70	210301022	424,41		
BSW 1.7/8 x 4,5	47,63	36,0	190	80	29,0	41,50	210101023	294,70	210301023	552,55		
BSW 2" x 4,5	50,80	40,0	190	80	32,0	44,50	210101024	294,70	210301024	552,55		
BSW 2.1/4 x 4	57,15	45,0	220	80	35,0	50,00	210101025	642,30	210301025	1.313,84		
BSW 2.1/2 x 4	63,50	50,0	220	80	39,0	56,50	210101026	821,75	210301026	1.751,78		
BSW 2.3/4 x 3,5	69,85	50,0	240	80	39,0	62,00	210101027	2.115,78	210301027	4.379,45		
BSW 3" x 3,5	76,20	50,0	260	80	39,0	68,00	210101028	2.720,29	210301028	5.390,10		

BSF

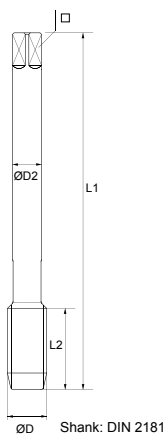
British standard BS 84 whitworth coarse thread

Efficient internal thread cutting.

The short structural type makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

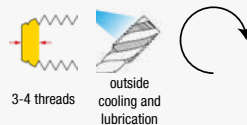
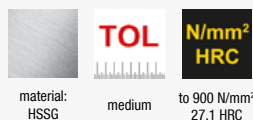
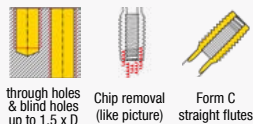
A Hand-Tap-Set includes 2 taps:

- Taper Tap
- Finish Tap



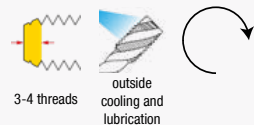
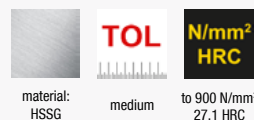
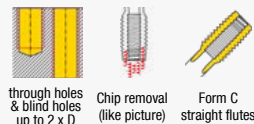
Short Machine Taps

Form D for through holes and blind holes



Hand Tap Sets

for general use



BSF

	D1	D2	L1	L2			No.	€	No.	€
BSF 3/16 x 32	4,76	6,0	50	14	4,9	3,90	220101001	6,75	220301001	9,83
BSF 1/4 x 26	6,35	6,0	50	18	4,9	5,30	220101002	6,75	220301002	9,83
BSF 5/16 x 22	7,94	6,0	56	22	4,9	6,80	220101003	7,58	220301003	10,99
BSF 3/8 x 20*	9,53	7,0	63	22	5,5	8,30	220101004	8,43	220301004	12,16
BSF 7/16 x 18	11,11	8,0	63	22	6,2	9,70	220101005	10,62	220301005	15,44
BSF 1/2 x 16	12,70	9,0	75	24	7,0	11,10	220101006	12,81	220301006	18,71
BSF 9/16 x 16	14,29	11,0	80	28	9,0	12,70	220101007	16,86	220301007	24,56
BSF 5/8 x 14	15,88	12,0	80	28	9,0	14,00	220101008	18,87	220301008	27,60
BSF 3/4 x 12	19,05	14,0	95	32	11,0	16,80	220101009	25,28	220301009	36,95
BSF 7/8 x 11	22,23	18,0	100	36	14,5	19,70	220101010	33,71	220301010	49,12
BSF 1" x 10	25,40	18,0	110	40	14,5	22,70	220101011	38,76	220301011	56,61

* BSF 3/8 = Fisher thread

TR

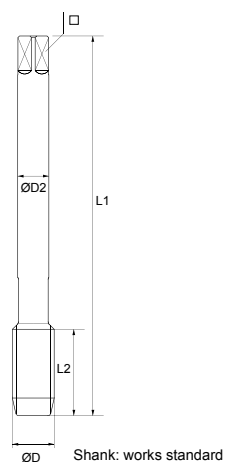
Trapezoidal thread / DIN 103

Efficient internal thread cutting.

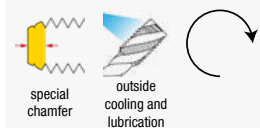
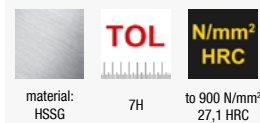
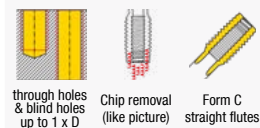
The short structural type makes that tap usable by hand. The Short-Machine-Tap is also usable by machine.

A Hand-Tap-Set includes 3 taps:

- Taper Tap
- Intermediate Tap
- Finish Tap

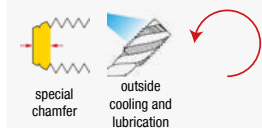
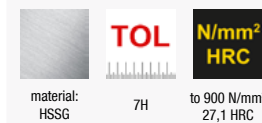
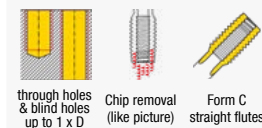


Hand Tap Sets for general use



Hand Tap Sets for general use

Left Hand



TR	D2	L1	L2	□		No.	€	No.	€
TR 9 x 1,5	7,0	100,0	22	5,5	7,60	230301001	*	230302001	*
TR 10 x 1,5	7,0	100,0	22	5,5	8,60	230301002	458,55	230302002	715,46
TR 10 x 2	7,0	90,0	34	5,5	8,20	230301003	371,51	230302003	786,89
TR 10 x 3	7,0	100,0	40	5,5	7,60	230301004	371,51	230302004	786,89
TR 11 x 2	8,0	100,0	22	6,2	9,20	230301005	580,66	230302005	905,56
TR 12 x 2	9,0	110,0	25	7,0	10,20	230301006	504,28	230302006	786,89
TR 12 x 3	8,0	110,0	40	6,2	9,25	230301007	387,26	230302007	786,89
TR 14 x 2	11,0	110,0	26	9,0	12,20	230301008	685,50	230302008	1.039,21
TR 14 x 3	10,0	130,0	45	8,0	11,25	230301009	491,15	230302009	944,74
TR 14 x 4	10,0	130,0	55	8,0	10,70	230301010	503,75	230302010	944,74
TR 16 x 2	12,0	110,0	27	9,0	14,20	230301011	685,50	230302011	1.039,21
TR 16 x 4	11,0	140,0	55	9,0	12,25	230301012	503,75	230302012	944,74
TR 18 x 2	14,0	125,0	27	11,0	16,20	230301013	967,77	230302013	1.509,27
TR 18 x 4	12,0	150,0	55	9,0	14,25	230301014	702,10	230302014	1.397,51
TR 20 x 2	16,0	140,0	27	12,0	18,20	230301015	1.036,91	230302015	1.615,26
TR 20 x 4	14,0	160,0	55	11,0	16,25	230301016	739,88	230302016	1.495,44
TR 22 x 3	18,0	160,0	34	14,5	19,25	230301017	1.307,65	230302017	2.040,39
TR 22 x 5	16,0	175,0	65	12,0	17,30	230301018	938,23	230302018	1.889,46
TR 24 x 3	18,0	160,0	36	14,5	21,25	230301019	1.451,67	230302019	2.252,38
TR 24 x 5	18,0	190,0	65	14,5	19,30	230301020	1.026,39	230302020	2.085,32
TR 26 x 3	20,0	160,0	36	16,0	23,25	230301021	1.601,44	230302021	2.487,41
TR 26 x 5	20,0	210,0	70	16,0	21,30	230301022	1.139,73	230302022	2.273,11
TR 28 x 3	22,0	180,0	40	18,0	25,25	230301023	1.745,45	230302023	2.717,83
TR 28 x 5	22,0	220,0	70	18,0	23,30	230301024	1.240,48	230302024	2.518,52
TR 30 x 3	22,0	180,0	40	18,0	27,25	230301025	1.902,02	230302025	2.968,99
TR 30 x 6	22,0	240,0	80	18,0	24,30	230301026	1.322,34	230302026	2.675,20
TR 32 x 6	25,0	255,0	80	20,0	26,30	230301027	1.611,99	230302027	3.093,43

* on request

BA

British Association thread / BS 93

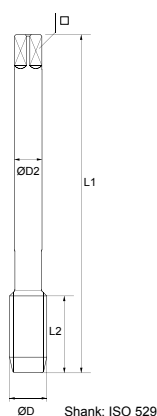
Efficient internal thread cutting.

The short structural type makes that tap usable by hand.

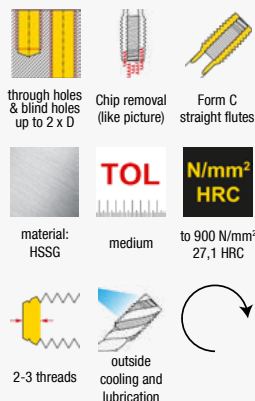
The Short-Machine-Tap is also usable by machine.

A Hand-Tap-Set includes 3 taps:

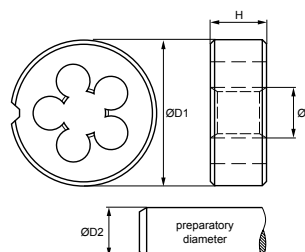
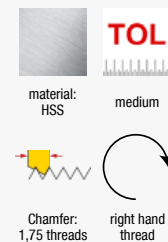
- Taper Tap
- Intermediate Tap
- Finish Tap



Hand Tap Sets for general use



Round Dies for general use



BA	D1	D2	L1	L2			No.	€
BA 0	6,00	6,3	66	19,0	5,0	5,10	290313001	20,35
BA 1	5,30	5,6	62	17,0	4,5	4,50	290313002	20,35
BA 2	4,70	5,0	58	16,0	4,0	4,00	290313003	20,35
BA 3	4,10	4,5	53	13,0	3,6	3,40	290313004	20,35
BA 4	3,60	3,6	50	13,0	2,8	3,00	290313005	20,35
BA 5	3,20	3,2	48	11,0	2,5	2,65	290313006	20,35
BA 6	2,80	2,8	45	9,5	2,2	2,30	290313007	20,35

BA	D	D1	H	D2	No.	€
BA 0	6,00	20,6	6,35	5,90	291401001	13,97
BA 1	5,30	20,6	6,35	5,21	291401002	13,97
BA 2	4,70	20,6	6,35	4,61	291401003	13,97
BA 3	4,10	20,6	6,35	4,02	291401004	13,97
BA 4	3,60	20,6	6,35	3,52	291401005	13,97
BA 5	3,20	20,6	6,35	3,14	291401006	13,97
BA 6	2,80	20,6	6,35	2,74	291401007	13,97
BA 7	2,50	20,6	6,35	2,44	291401008	*
BA 8	2,20	20,6	6,35	2,15	291401009	*
BA 10	1,70	20,6	6,35	1,66	291401010	*

* on request

Camera-Tripod

Camera tripod & C-Mount thread / DIN 4503

Efficient internal thread cutting.

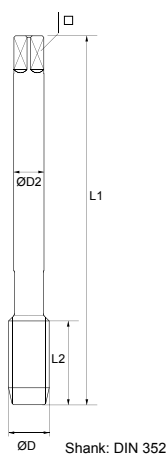
The short structural type makes that tap usable by hand.

The Short-Machine-Tap is also usable by machine.

A Hand-Tap-Set includes 2 taps:

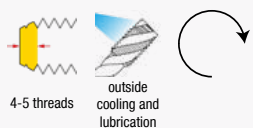
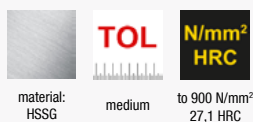
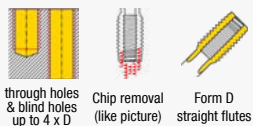
⚙️ Taper Tap

⚙️ Finish Tap



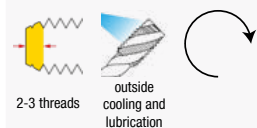
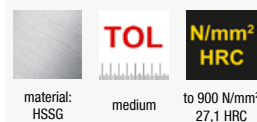
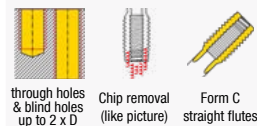
Short Machine Taps

Form D for through holes and blind holes



Hand Tap Sets

for general use



Camera

	D1	D2	L1	L2	□		No.	€	No.	€
Cam.-Tripod 1/4"	6,35	6,0	50	19	4,9	5,20	380101001	30,54		
Cam.-Tripod 3/8"	9,53	7,0	70	24	5,5	8,00	380101002	42,56		
C-Mount 1" x 32	25,40	18,0	130	45	14,0	23,75	380101003	406,82		
S-Mount 12 x 0,5	12,00	9,0	70	22	7,0	11,50			380301004	104,72

Efficient internal thread cutting.

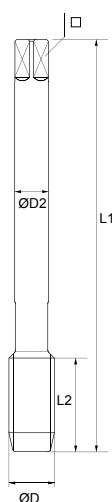
The short structural type makes that tap usable by hand.

The Short-Machine-Tap is also usable by machine.

A Hand-Tap-Set includes 2 taps:

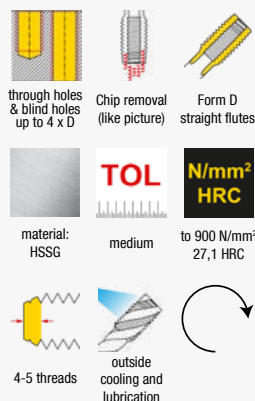
Taper Tap

Finish Tap

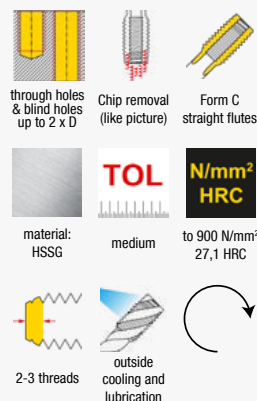


Short Machine Taps

Form D for through holes and blind holes

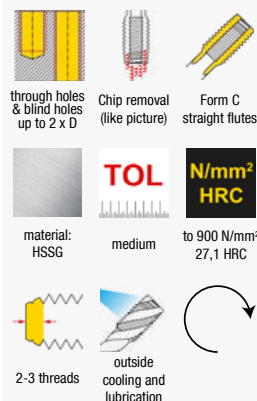


Hand Tap Sets for general use



Short Machine Taps

Form C for through holes and blind holes



	D1	D2	L1	L2		No.	€	No.	€	No.	€
DIN 2181											
VG 5 x 36	5,15	6,0	50	12	4,9	4,65	390101001	81,86	390301001	278,52	
VG 5,2 x 24	5,23	6,0	56	17	4,9	4,25	390101002	81,86	390301002	255,32	
VG 6 x 32	5,98	6,0	56	14	4,9	5,35	390101003	91,30	390301003	290,14	
VG 8 x 32	7,68	7,0	56	16	5,5	6,90	390101004	93,19	390301004	324,95	
VG 10 x 28	10,27	8,0	63	18	6,2	9,35	390101005	100,75	390301005	348,16	
VG 12 x 26	12,17	9,0	70	22	7,0	11,15	390101006	113,34	390301006	235,17	
DIN 374											
VG 5 x 36	5,15	6,0	70	12	4,9	4,65			390501001	81,86	
VG 5,2 x 24	5,23	6,0	80	17	4,9	4,25			390501002	81,86	
VG 6 x 32	5,98	7,0	80	14	5,5	5,35			390501003	91,30	
VG 8 x 32	7,68	8,0	80	16	6,2	6,90			390501004	93,19	
VG 10 x 28	10,27	8,0	90	18	6,2	9,35			390501005	100,75	
VG 12 x 26	12,17	9,0	100	22	7,0	11,15			390501006	113,34	