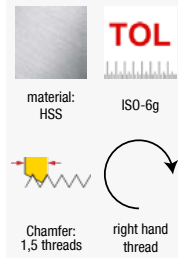
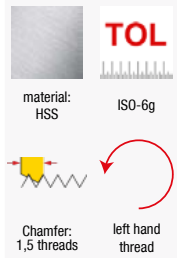


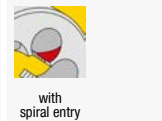
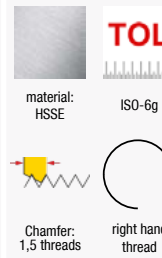
Round Dies for general use



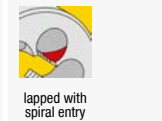
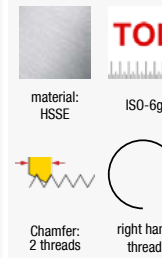
Round Dies for general use Left Hand



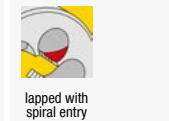
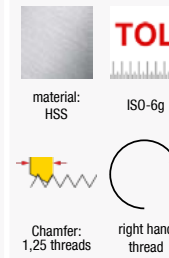
Round Dies for higher demands



Round Dies for stainless steels

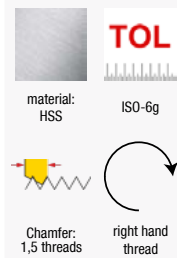


Round Dies for brass



	D	D1	H	D2	No.	€	No.	€	No.	€	No.	€	No.	€
M 1 x 0,25	1,0	16	5	0,96	111401001	12,95								
M 1,1 x 0,25	1,1	16	5	1,05	111401002	12,95								
M 1,2 x 0,25	1,2	16	5	1,15	111401003	12,95								
M 1,4 x 0,3	1,4	16	5	1,36	111401004	12,95					111405001	99,19		
M 1,6 x 0,35	1,6	16	5	1,55	111401005	12,95					111405002	96,04		
M 1,7 x 0,35	1,7	16	5	1,64	111401006	12,95					111405003	96,04		
M 1,8 x 0,35	1,8	16	5	1,75	111401007	11,26								
M 2 x 0,4	2,0	16	5	1,95	111401008	11,26	111402001	20,94			111405004	78,08	111409001	75,24
M 2,2 x 0,45	2,2	16	5	2,15	111401009	11,26								
M 2,3 x 0,4	2,3	16	5	2,23	111401010	11,26					111405005	78,08		
M 2,5 x 0,45	2,5	16	5	2,42	111401011	11,26					111405006	67,99	111409002	65,16
M 2,6 x 0,45	2,6	16	5	2,53	111401012	11,26					111405007	70,82	111409003	65,16
M 3 x 0,5	3,0	20	5	2,92	111401013	5,37	111402002	9,65	111404001	10,21	111405008	21,05	111409004	15,47
M 3,5 x 0,6	3,5	20	5	3,41	111401014	8,32					111405009	47,97	111409005	67,03
M 4 x 0,7	4,0	20	5	3,90	111401015	5,37	111402003	9,65	111404002	10,21	111405010	21,05	111409006	15,47
M 4,5 x 0,75	4,5	20	7	4,40	111401016	8,32								
M 5 x 0,8	5,0	20	7	4,90	111401017	5,68	111402004	10,36	111404003	10,63	111405011	21,05	111409007	15,47
M 5 x 0,9	5,0	20	7	4,89	111401018	11,79								
M 5,5 x 0,9	5,5	20	7	5,44	111401019	8,32								
M 6 x 1,0	6,0	20	7	5,88	111401020	5,68	111402005	10,36	111404004	10,63	111405012	21,05	111409008	15,47
M 7 x 1,0	7,0	25	9	6,88	111401021	9,05					111405013	69,63	111409009	58,51
M 8 x 1,25	8,0	25	9	7,86	111401022	6,00	111402006	11,99	111404005	15,05	111405014	24,95	111409010	16,63
M 9 x 1,25	9,0	25	9	8,86	111401023	10,21								
M 10 x 1,5	10,0	30	11	9,85	111401024	9,05	111402007	15,71	111404006	21,37	111405015	30,95	111409011	18,21
M 11 x 1,5	11,0	30	11	10,85	111401025	12,42								
M 12 x 1,75	12,0	38	14	11,83	111401026	14,63	111402008	22,34	111404007	33,68	111405016	38,11	111409012	25,47
M 14 x 2,0	14,0	38	14	13,82	111401027	14,63	111402009	25,60	111404008	33,68	111405017	38,11	111409013	27,68
M 15 x 2,0	15,0	38	14	14,91	111401028	22,63								
M 16 x 2,0	16,0	45	18	15,82	111401029	22,63	111402010	35,48	111404009	50,95	111405018	57,47		
M 18 x 2,5	18,0	45	18	17,79	111401030	22,63	111402011	35,48	111404010	50,95	111405019	57,47		
M 19 x 2,5	19,0	45	18	18,89	111401031	32,63								
M 20 x 2,5	20,0	45	18	19,79	111401032	22,63	111402012	35,48	111404011	50,95	111405020	57,47		
M 22 x 2,5	22,0	55	22	21,79	111401033	44,21	111402013	53,52	111404012	90,42	111405021	94,00		

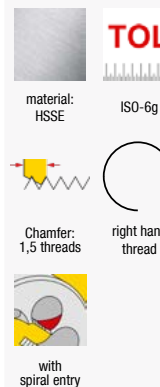
Round Dies for general use



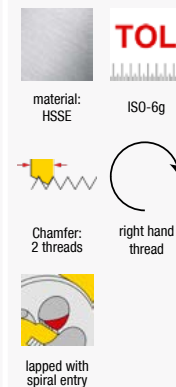
Round Dies for general use Left Hand



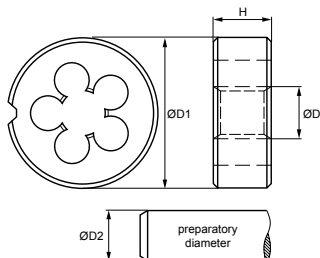
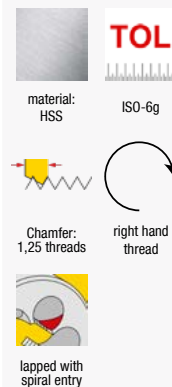
Round Dies for higher demands



Round Dies for stainless steels



Round Dies for brass

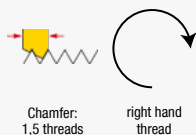


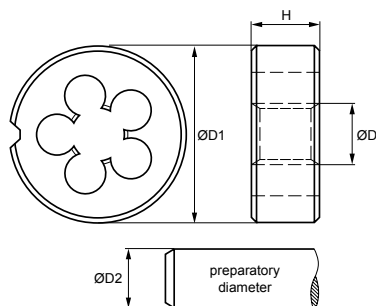
	D	D1	H	D2	No.	€	No.	€	No.	€	No.	€	No.	€
M 24 x 3,0	24,0	55	22	23,76	111401034	44,21	111402014	53,80	111404013	90,42	111405022	94,00		
M 27 x 3,0	27,0	65	25	26,76	111401035	59,16	111402015	97,06	111404014	133,89	111405023	148,11		
M 30 x 3,5	30,0	65	25	29,73	111401036	59,16	111402016	97,06	111404015	133,89	111405024	148,11		
M 33 x 3,5	33,0	65	25	32,73	111401037	63,16	111402017	97,06						
M 36 x 4,0	36,0	65	25	35,70	111401038	63,16	111402018	97,06						
M 39 x 4,0	39,0	75	30	38,70	111401039	103,16	111402019	163,73						
M 42 x 4,5	42,0	75	30	41,68	111401040	103,16	111402020	163,73						
M 45 x 4,5	45,0	90	36	44,68	111401041	175,79	111402021	257,26						
M 48 x 5,0	48,0	90	36	47,66	111401042	175,79	111402022	257,26						
M 52 x 5,0	52,0	90	36	51,66	111401043	175,79	111402023	257,26						
M 56 x 5,5	56,0	105	36	55,65	111401044	395,79								
M 60 x 5,5	60,0	105	36	59,65	111401045	395,79								
M 64 x 6,0	64,0	120	36	63,62	111401046	524,21								
M 68 x 6,0	68,0	120	36	67,62	111401047	524,21								
M 72 x 6,0	72,0	120	36		111401048	391,58								
M 76 x 6,0	76,0	120	36		111401049	391,58								
M 80 x 6,0	80,0	120	36		111401050	391,58								
M 84 x 6,0	84,0	130	36		111401051	498,95								
M 88 x 6,0	88,0	140	36		111401052	768,42								
M 90 x 6,0	90,0	140	36		111401053	768,42								
M 92 x 6,0	92,0	140	36		111401054	768,42								
M 96 x 6,0	96,0	140	36		111401055	768,42								
M 100 x 6,0	100,0	150	36		111401056	890,53								

Round Dies for general use undersized


material:
HSS

6e


Chamfer:
1,5 threads

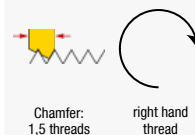
right hand
thread


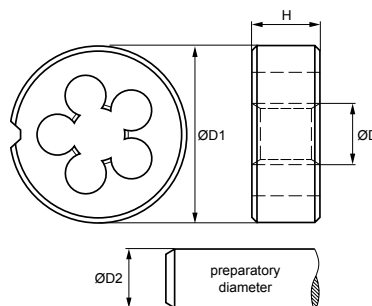
M	D	D1	H	D2	No.	€
M 3 x 0,5	3,0	20	5	2,89	111421001	9,31
M 4 x 0,7	4,0	20	5	3,87	111421002	9,31
M 5 x 0,8	5,0	20	7	4,86	111421003	9,66
M 6 x 1,0	6,0	20	7	5,85	111421004	9,66
M 8 x 1,25	8,0	25	9	7,83	111421005	10,36
M 10 x 1,5	10,0	30	11	9,81	111421006	13,39
M 12 x 1,75	12,0	38	14	11,81	111421007	20,71
M 14 x 2,0	14,0	38	14	13,87	111421008	26,76
M 16 x 2,0	16,0	45	18	15,87	111421009	40,26
M 18 x 2,5	18,0	45	18	17,75	111421010	40,26
M 20 x 2,5	20,0	45	18	19,75	111421011	40,26

Round Dies for general use dimensions: 25 x 9


material:
HSS

ISO-6g


Chamfer:
1,5 threads

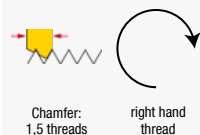
right hand
thread


M	D	D1	H	D2	No.	€
M 3 x 0,5	3,0	25	9	2,92	111422001	5,97
M 4 x 0,7	4,0	25	9	3,90	111422002	5,97
M 5 x 0,8	5,0	25	9	4,90	111422003	5,97
M 6 x 1,0	6,0	25	9	5,88	111422004	5,97
M 8 x 1,25	8,0	25	9	7,86	111422005	5,97
M 10 x 1,5	10,0	25	9	9,85	111422006	5,97
M 12 x 1,75	12,0	25	9	11,83	111422007	5,97

Hexagon Die Nuts for general use


material:
HSS

ISO-6g


Chamfer:
1,5 threads

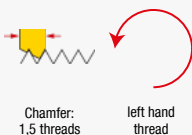
right hand
thread

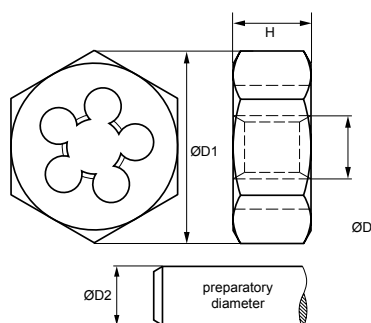
Hexagon Die Nuts for general use

Left Hand

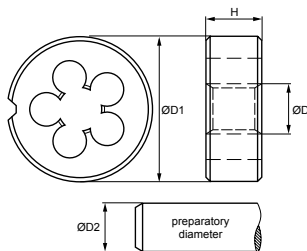

material:
HSS

ISO-6g


Chamfer:
1,5 threads

left hand
thread

M

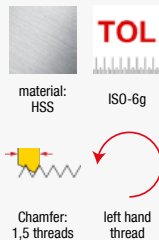
	D	D1	H	D2	No.	€	No.	€
M 3 x 0,5	3,0	19	5	2,92	111501001	11,26	111502001	13,47
M 3,5 x 0,6	3,5	19	5	3,41	111501002	11,26		
M 4 x 0,7	4,0	19	5	3,90	111501003	11,26	111502002	13,47
M 5 x 0,8	4,5	19	7	4,40	111501004	11,26	111502003	14,63
M 6 x 1,0	6,0	19	7	5,88	111501005	11,26	111502004	14,63
M 7 x 1,0	7,0	22	9	6,88	111501006	12,42		
M 8 x 1,25	8,0	22	9	7,86	111501007	12,42	111502005	16,32
M 9 x 1,25	9,0	22	9	8,86	111501008	12,42		
M 10 x 1,5	10,0	27	11	9,85	111501009	14,63	111502006	23,05
M 11 x 1,5	11,0	27	11	10,85	111501010	14,63		
M 12 x 1,75	12,0	36	14	11,83	111501011	20,32	111502007	35,47
M 14 x 2,0	14,0	36	14	13,82	111501012	20,32	111502008	35,47
M 16 x 2,0	16,0	41	18	15,82	111501013	28,74	111502009	55,16
M 18 x 2,5	18,0	41	18	17,79	111501014	28,74	111502010	55,16
M 20 x 2,5	20,0	41	18	19,79	111501015	28,74	111502011	55,16
M 22 x 2,5	22,0	50	22	21,79	111501016	48,42	111502012	74,95
M 24 x 3,0	24,0	50	22	23,76	111501017	58,53	111502013	74,95
M 27 x 3,0	27,0	60	25	26,76	111501018	88,95	111502014	115,79
M 30 x 3,5	30,0	60	25	29,73	111501019	88,95	111502015	115,79
M 33 x 3,5	33,0	60	25	32,73	111501020	88,95	111502016	115,79
M 36 x 4,0	36,0	60	25	35,70	111501021	88,95	111502017	115,79
M 39 x 4,0	39,0	70	30	38,70	111501022	148,42	111502018	191,58
M 42 x 4,5	42,0	70	30	41,68	111501023	148,42	111502019	191,58
M 45 x 4,5	45,0	85	36	44,68	111501024	204,21	111502020	271,58
M 48 x 5,0	48,0	85	36	47,66	111501025	204,21	111502021	271,58
M 52 x 5,0	52,0	85	36	51,66	111501026	204,21	111502022	271,58
M 56 x 5,5	56,0	100	36	55,65	111501027	368,42		
M 60 x 5,5	60,0	100	36	59,65	111501028	368,42		
M 64 x 6,0	64,0	100	36	63,62	111501029	404,21		
M 68 x 6,0	68,0	115	36	67,62	111501030	524,21		



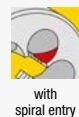
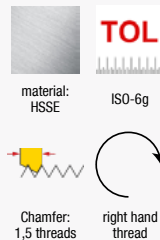
Round Dies for general use



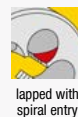
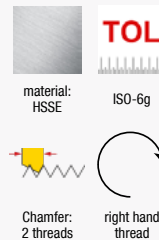
Round Dies for general use Left Hand



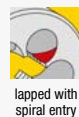
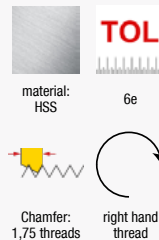
Round Dies for higher demands



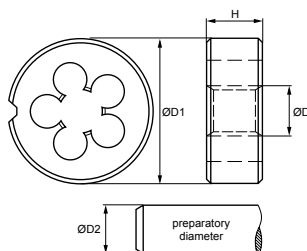
Round Dies for stainless steels



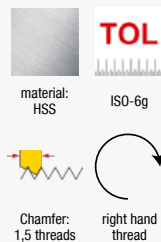
Round Dies undersized


MF

	D	D1	H	D2	No.	€	No.	€	No.	€	No.	€	No.	€	D2 Tol. 6e
MF 2,5 x 0,35	2,5	16	5	2,44	121401001	15,22									
MF 2,6 x 0,35	2,6	16	5	2,54	121401002	15,22									
MF 3 x 0,35	3,0	20	5	2,94	121401003	12,42					121405001	35,42			
MF 3,5 x 0,35	3,5	20	5	3,44	121401004	12,42					121405002	43,86			
MF 4 x 0,35	4,0	20	5	3,94	121401005	12,42									
MF 4 x 0,5	4,0	20	5	3,93	121401006	12,42					121405003	24,98	121421001	86,85	3,84 mm
MF 4,5 x 0,5	4,5	20	5	4,43	121401007	12,42									
MF 5 x 0,5	5,0	20	5	4,93	121401008	12,42					121405004	24,98	121421002	86,85	4,83 mm
MF 5 x 0,75	5,0	20	7	4,91	121401010	12,42									
MF 5,5 x 0,5	5,5	20	5	5,43	121401009	12,42									
MF 6 x 0,5	6,0	20	5	5,93	121401011	12,42					121405005	24,98	121421003	71,81	5,83 mm
MF 6 x 0,75	6,0	20	7	5,90	121401012	10,74	121402001	16,37	121404001	15,11	121405006	24,98	121421004	66,80	5,81 mm
MF 7 x 0,5	7,0	25	9	6,93	121401013	13,47							121421005	88,50	6,83 mm
MF 7 x 0,75	7,0	25	9	6,90	121401014	13,47					121405007	30,85			
MF 8 x 0,5	8,0	25	9	7,93	121401015	13,47					121405008	30,85	121421006	116,24	7,82 mm
MF 8 x 0,75	8,0	25	9	7,90	121401016	11,26	121402002	19,65	121404002	19,94	121405009	30,85	121421007	83,51	7,80 mm
MF 8 x 1,0	8,0	25	9	7,83	121401017	11,26	121402003	19,65	121404003	19,94	121405010	30,85	121421008	63,46	7,78 mm
MF 9 x 0,5	9,0	25	9	8,93	121401018	16,95									
MF 9 x 0,75	9,0	25	9	8,90	121401019	16,95									
MF 9 x 1,0	9,0	25	9	8,88	121401020	16,95									
MF 10 x 0,5	10,0	30	11	9,93	121401021	16,95									
MF 10 x 0,75	10,0	30	11	9,90	121401022	16,95					121405011	37,99	121421009	115,24	9,79 mm
MF 10 x 1,0	10,0	30	11	9,88	121401023	12,95	121402004	24,56	121404004	22,56	121405012	37,99	121421010	71,15	9,77 mm
MF 10 x 1,25	10,0	30	11	9,86	121401024	12,95	121402005	24,56	121404005	22,56	121405013	37,99			
MF 11 x 1,0	11,0	30	11	10,88	121401025	19,47									
MF 11 x 1,25	11,0	30	11	10,86	121401026	19,47									
MF 12 x 0,5	12,0	38	10	11,93	121401027	19,47									
MF 12 x 0,75	12,0	38	10	11,90	121401028	19,47							121421011	119,57	11,78 mm
MF 12 x 1,0	12,0	38	10	11,88	121401029	16,53	121402006	31,93	121404006	39,04	121405014	46,28	121421012	93,52	11,76 mm
MF 12 x 1,25	12,0	38	10	11,86	121401030	16,53	121402007	31,93	121404007	39,04	121405015	46,28			
MF 12 x 1,5	12,0	38	10	11,85	121401031	16,00	121402008	31,93	121404008	39,04	121405016	46,28	121421013	87,84	11,73 mm
MF 13 x 0,5	13,0	38	10	12,93	121401032	27,16									
MF 13 x 1,0	13,0	38	10	12,88	121401033	21,79									



Round Dies for general use



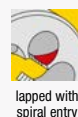
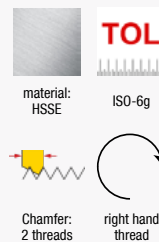
Round Dies for general use Left Hand



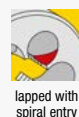
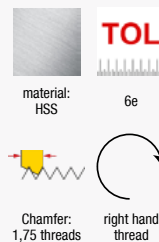
Round Dies for higher demands



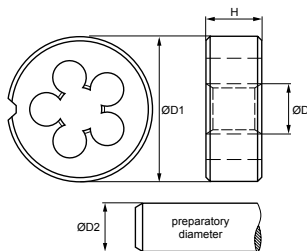
Round Dies for stainless steels



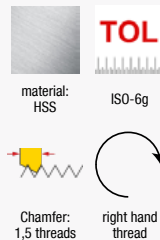
Round Dies undersized


MF

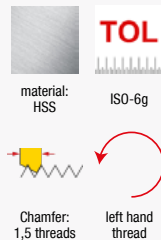
	D	D1	H	D2	No.	€	No.	€	No.	€	No.	€	No.	€	D2 Tol. 6e
MF 13 x 1,5	13,0	38	10	12,85	121401034	21,79									
MF 14 x 0,5	14,0	38	10	13,93	121401035	27,16									
MF 14 x 0,75	14,0	38	10	13,90	121401036	21,79									
MF 14 x 1,0	14,0	38	10	13,88	121401037	21,79					121405017	46,81	121421014	101,87	13,76 mm
MF 14 x 1,25	14,0	38	10	13,86	121401038	18,21	121402009	31,93	121404009	39,04	121405018	46,81			
MF 14 x 1,5	14,0	38	10	13,85	121401039	18,21	121402010	31,93	121404010	39,04	121405019	46,81	121421015	87,84	13,73 mm
MF 15 x 0,75	15,0	38	10	14,90	121401040	34,32									
MF 15 x 1,0	15,0	38	10	14,88	121401041	29,58									
MF 15 x 1,5	15,0	38	10	14,85	121401042	29,58									
MF 16 x 0,5	16,0	45	14	15,93	121401043	37,89									
MF 16 x 0,75	16,0	45	14	15,90	121401044	37,89									
MF 16 x 1,0	16,0	45	14	15,88	121401045	29,58	121402011	47,94			121405020	68,32	121421016	136,94	15,76 mm
MF 16 x 1,25	16,0	45	14	15,86	121401046	29,58									
MF 16 x 1,5	16,0	45	14	15,85	121401047	23,26	121402012	47,94	121404011	61,71	121405021	68,32	121421017	118,90	15,73 mm
MF 17 x 1,0	17,0	45	14	16,88	121401048	40,21									
MF 17 x 1,5	17,0	45	14	16,85	121401049	40,21									
MF 18 x 0,5	18,0	45	14	17,93	121401050	40,21									
MF 18 x 0,75	18,0	45	14	17,90	121401051	40,21									
MF 18 x 1,0	18,0	45	14	17,88	121401052	27,16					121405022	68,85	121421018	203,74	17,74 mm
MF 18 x 1,25	18,0	45	14	17,86	121401053	27,16									
MF 18 x 1,5	18,0	45	14	17,85	121401054	23,26	121402013	47,94	121404012	61,71	121405023	68,85	121421019	118,90	17,71 mm
MF 18 x 2,0	18,0	45	14	17,82	121401055	27,79			121404013	61,71					
MF 19 x 1,0	19,0	45	14	18,88	121401056	40,21									
MF 19 x 1,5	19,0	45	14	18,85	121401057	27,16									
MF 20 x 0,5	20,0	45	14	19,93	121401058	40,21									
MF 20 x 0,75	20,0	45	14	19,90	121401059	40,21									
MF 20 x 1,0	20,0	45	14	19,88	121401060	27,79					121405024	70,52	121421020	203,74	19,66 mm
MF 20 x 1,25	20,0	45	14	19,86	121401061	27,79									
MF 20 x 1,5	20,0	45	14	19,85	121401062	23,26	121402014	47,94	121404014	61,71	121405025	70,52	121421021	136,94	19,71 mm
MF 20 x 2,0	20,0	45	14	19,82	121401063	27,79			121404015	61,71					
MF 21 x 1,0	21,0	45	14	20,88	121401064	42,00									
MF 21 x 1,5	21,0	45	14	20,85	121401065	42,00									
MF 22 x 0,5	22,0	55	16	21,93	121401066	58,00									



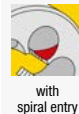
Round Dies for general use



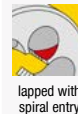
Round Dies for general use Left Hand



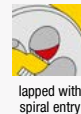
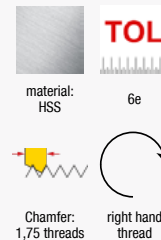
Round Dies for higher demands



Round Dies for stainless steels

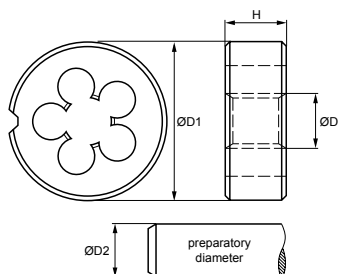


Round Dies undersized



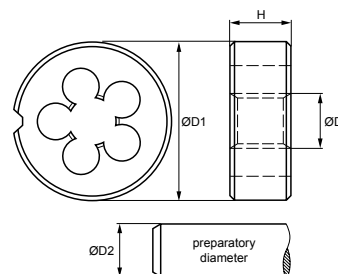
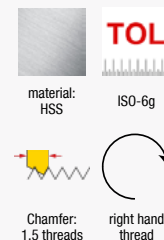
	D	D1	H	D2	No.	€	No.	€	No.	€	No.	€	No.	€	D2 Tol. 6e
MF 22 x 0,75	22,0	55	16	21,90	121401067	58,00									
MF 22 x 1,0	22,0	55	16	21,88	121401068	44,95									
MF 22 x 1,25	22,0	55	16	21,86	121401069	44,95									
MF 22 x 1,5	22,0	55	16	21,85	121401070	40,53	121402015	76,02	121404016	108,31	121405026	104,74	121421022	170,34	21,71 mm
MF 22 x 2,0	22,0	55	16	21,82	121401071	44,95									
MF 23 x 1,0	23,0	55	16	22,88	121401072	58,95									
MF 23 x 1,5	23,0	55	16	22,85	121401073	44,95									
MF 24 x 0,5	24,0	55	16	23,93	121401074	58,00									
MF 24 x 0,75	24,0	55	16	23,90	121401075	58,00									
MF 24 x 1,0	24,0	55	16	23,88	121401076	44,95							121421023	283,91	21,74 mm
MF 24 x 1,25	24,0	55	16	23,86	121401077	44,95									
MF 24 x 1,5	24,0	55	16	23,85	121401078	40,53	121402016	76,02	121404017	108,31	121405027	115,76	121421024	220,45	23,70 mm
MF 24 x 2,0	24,0	55	16	22,82	121401079	44,95	121402017	76,02			121405028	115,76			
MF 25 x 1,0	25,0	55	16	24,88	121401080	58,00									
MF 25 x 1,5	25,0	55	16	24,85	121401081	58,00									
MF 26 x 1,0	26,0	55	16	25,88	121401082	58,00									
MF 26 x 1,5	26,0	55	16	25,85	121401083	58,00					121405029	195,30	121421025	250,50	25,69 mm
MF 26 x 2,0	26,0	55	16	25,82	121401084	58,00									
MF 27 x 1,0	27,0	65	18	26,88	121401085	66,32									
MF 27 x 1,5	27,0	65	18	26,85	121401086	66,32									
MF 27 x 2,0	27,0	65	18	26,82	121401087	66,32									
MF 28 x 1,0	28,0	65	18	27,88	121401088	66,32									
MF 28 x 1,5	28,0	65	18	27,85	121401089	66,32									
MF 28 x 2,0	28,0	65	18	27,82	121401090	66,32									
MF 29 x 1,5	29,0	65	18	28,85	121401091	66,32									
MF 30 x 1,0	30,0	65	18	29,88	121401092	66,32									
MF 30 x 1,5	30,0	65	18	29,85	121401093	66,32					121405030	215,15			
MF 30 x 2,0	30,0	65	18	29,82	121401094	66,32	121402018	120,46			121405031	225,45			
MF 30 x 2,5	30,0	65	18	29,79	121401095	66,32	121402019	120,46							
MF 30 x 3,0	30,0	65	25	29,76	121401096	66,32	121402020	120,46							
MF 32 x 1,0	32,0	65	18	31,88	121401098	93,68	121402021	120,46							
MF 32 x 1,5	32,0	65	18	31,85	121401097	66,32	121402022	120,46							
MF 32 x 2,0	32,0	65	18	31,82	121401099	66,32	121402023	120,46							

Round Dies for general use


MF

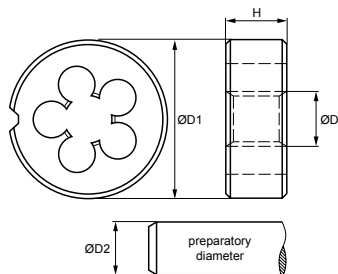
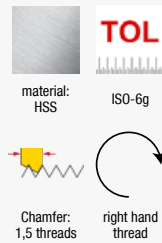
	D	D1	H	D2	No.	€
MF 32 x 3,0	32,0	65	25	31,77	121401100	66,32
MF 33 x 1,5	33,0	65	18	32,85	121401101	66,32
MF 33 x 2,0	33,0	65	18	32,82	121401102	66,32
MF 33 x 3,0	33,0	65	25	32,76	121401103	66,32
MF 34 x 1,0	34,0	65	18	33,88	121401104	93,68
MF 34 x 1,5	34,0	65	18	33,85	121401105	66,32
MF 34 x 2,0	34,0	65	18	33,82	121401106	66,32
MF 35 x 1,0	35,0	65	18	34,88	121401107	93,68
MF 35 x 1,5	35,0	65	18	34,85	121401108	66,32
MF 35 x 2,0	35,0	65	18	34,82	121401109	93,68
MF 36 x 1,0	36,0	65	18	35,88	121401110	93,68
MF 36 x 1,5	36,0	65	18	35,85	121401111	66,32
MF 36 x 2,0	36,0	65	18	35,82	121401112	66,32
MF 36 x 3,0	36,0	65	25	35,76	121401113	66,32
MF 37 x 1,5	37,0	65	18	36,85	121401114	141,05
MF 38 x 1,0	38,0	75	20	37,88	121401115	141,05
MF 38 x 1,5	38,0	75	20	37,85	121401116	107,37
MF 38 x 2,0	38,0	75	20	37,82	121401117	107,37
MF 38 x 3,0	38,0	75	30	37,77	121401118	141,05
MF 39 x 1,5	39,0	75	20	38,85	121401119	107,37
MF 39 x 2,0	39,0	75	20	38,82	121401120	107,37
MF 39 x 3,0	39,0	75	30	38,76	121401121	107,37
MF 40 x 1,0	40,0	75	20	39,88	121401122	141,05
MF 40 x 1,5	40,0	75	20	39,85	121401123	107,37
MF 40 x 2,0	40,0	75	20	39,82	121401124	107,37
MF 40 x 3,0	40,0	75	30	39,76	121401125	107,37
MF 42 x 1,0	42,0	75	20	41,88	121401126	141,05
MF 42 x 1,5	42,0	75	20	41,85	121401127	107,37
MF 42 x 2,0	42,0	75	20	41,82	121401128	107,37
MF 42 x 3,0	42,0	75	30	41,76	121401129	107,37
MF 44 x 1,5	44,0	90	22	43,85	121401130	231,58
MF 44 x 2,0	44,0	90	22	43,82	121401131	231,58
MF 45 x 1,0	45,0	90	22	44,88	121401132	231,58

Round Dies for general use


MF

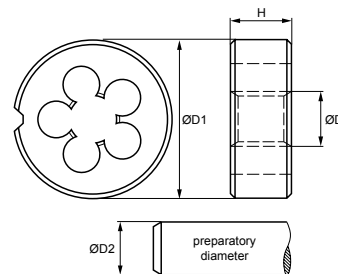
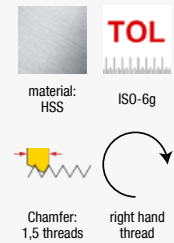
	D	D1	H	D2	No.	€
MF 45 x 1,5	45,0	90	22	44,85	121401133	178,95
MF 45 x 2,0	45,0	90	22	44,82	121401134	178,95
MF 45 x 3,0	45,0	90	36	44,76	121401135	178,95
MF 46 x 1,5	46,0	90	22	45,85	121401136	231,58
MF 48 x 1,0	48,0	90	22	47,88	121401137	231,58
MF 48 x 1,5	48,0	90	22	47,85	121401138	178,95
MF 48 x 2,0	48,0	90	22	47,82	121401139	178,95
MF 48 x 3,0	48,0	90	36	47,46	121401140	178,95
MF 50 x 1,5	50,0	90	22	49,85	121401141	178,95
MF 50 x 2,0	50,0	90	22	49,82	121401142	178,95
MF 50 x 3,0	50,0	90	36	49,76	121401143	178,95
MF 52 x 1,5	52,0	90	22	51,85	121401144	178,95
MF 52 x 2,0	52,0	90	22	51,82	121401145	178,95
MF 52 x 3,0	52,0	90	36	51,76	121401146	178,95
MF 54 x 1,5	54,0	105	22	53,92	121401147	353,68
MF 54 x 2,0	54,0	105	22	53,91	121401148	353,68
MF 54 x 3,0	54,0	105	36	53,88	121401149	353,68
MF 54 x 4,0	54,0	105	36	53,85	121401150	353,68
MF 55 x 1,5	55,0	105	22	54,85	121401151	353,68
MF 55 x 2,0	55,0	105	22	54,82	121401152	353,68
MF 55 x 3,0	55,0	105	36	54,76	121401153	353,68
MF 55 x 4,0	55,0	105	36	54,73	121401154	353,68
MF 56 x 1,5	56,0	105	22	55,85	121401155	353,68
MF 56 x 2,0	56,0	105	22	55,82	121401156	353,68
MF 56 x 3,0	56,0	105	36	55,76	121401157	353,68
MF 56 x 4,0	56,0	105	36	55,73	121401158	353,68
MF 58 x 1,5	58,0	105	22	57,92	121401159	353,68
MF 58 x 2,0	58,0	105	22	57,91	121401160	353,68
MF 58 x 3,0	58,0	105	36	57,88	121401161	353,68
MF 58 x 4,0	58,0	105	36	57,85	121401162	353,68
MF 60 x 1,5	60,0	105	22	59,92	121401163	353,68
MF 60 x 2,0	60,0	105	22	59,91	121401164	353,68
MF 60 x 3,0	60,0	105	36	59,88	121401165	353,68

Round Dies for general use


MF

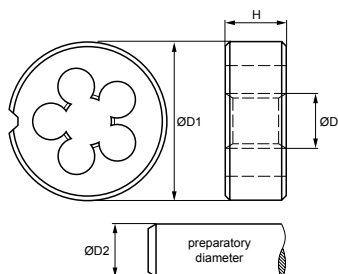
	D	D1	H	D2	No.	€
MF 60 x 4,0	60,0	105	36	59,85	121401166	353,68
MF 62 x 1,5	62,0	105	22	61,92	121401167	353,68
MF 62 x 2,0	62,0	105	22	61,91	121401168	353,68
MF 62 x 3,0	62,0	105	36	61,88	121401169	353,68
MF 62 x 4,0	62,0	105	36	61,85	121401170	353,68
MF 63 x 1,5	63,0	105	22	62,92	121401171	353,68
MF 64 x 1,5	64,0	120	22	63,92	121401172	402,11
MF 64 x 2,0	64,0	120	22	63,91	121401173	402,11
MF 64 x 3,0	64,0	120	36	63,88	121401174	402,11
MF 64 x 4,0	64,0	120	36	63,85	121401175	402,11
MF 65 x 1,5	65,0	120	22	64,92	121401176	402,11
MF 65 x 2,0	65,0	120	22	64,91	121401177	402,11
MF 65 x 3,0	65,0	120	36	64,88	121401178	402,11
MF 65 x 4,0	65,0	120	36	64,85	121401179	402,11
MF 68 x 1,5	68,0	120	22	67,92	121401180	402,11
MF 68 x 2,0	68,0	120	22	67,91	121401181	402,11
MF 68 x 3,0	68,0	120	36	67,88	121401182	402,11
MF 68 x 4,0	68,0	120	36	67,85	121401183	402,11
MF 70 x 1,5	70,0	120	22	69,92	121401184	402,11
MF 70 x 2,0	70,0	120	22	69,91	121401185	402,11
MF 70 x 3,0	70,0	120	36	69,88	121401186	402,11
MF 70 x 4,0	70,0	120	36	69,85	121401187	402,11
MF 72 x 1,5	72,0	120	22	71,92	121401188	402,11
MF 72 x 2,0	72,0	120	22	71,91	121401189	402,11
MF 72 x 3,0	72,0	120	36	71,88	121401190	402,11
MF 72 x 4,0	72,0	120	36	71,85	121401191	402,11
MF 74 x 1,5	74,0	120	22	73,92	121401192	402,11
MF 74 x 2,0	74,0	120	22	73,91	121401193	402,11
MF 74 x 3,0	74,0	120	36	73,88	121401194	402,11
MF 74 x 4,0	74,0	120	36	73,85	121401195	402,11
MF 75 x 1,5	75,0	120	22	74,92	121401196	402,11
MF 75 x 2,0	75,0	120	22	74,91	121401197	402,11
MF 75 x 3,0	75,0	120	36	74,88	121401198	402,11

Round Dies for general use


MF

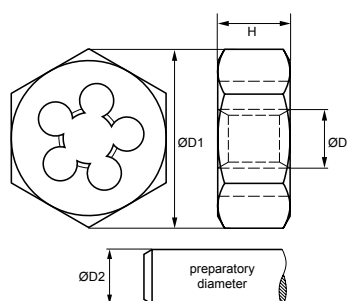
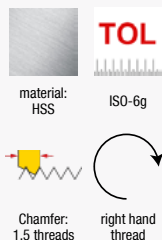
	D	D1	H	D2	No.	€
MF 75 x 4,0	75,0	120	36	74,85	121401199	402,11
MF 76 x 1,5	76,0	120	22	75,92	121401200	402,11
MF 76 x 2,0	76,0	120	22	75,91	121401201	402,11
MF 76 x 3,0	76,0	120	36	75,88	121401202	402,11
MF 76 x 4,0	76,0	120	36	75,85	121401203	402,11
MF 78 x 1,5	78,0	120	22	77,92	121401204	402,11
MF 78 x 2,0	78,0	120	22	77,91	121401205	402,11
MF 78 x 3,0	78,0	120	36	77,88	121401206	402,11
MF 78 x 4,0	78,0	120	36	77,85	121401207	402,11
MF 80 x 1,5	80,0	120	22	79,92	121401208	402,11
MF 80 x 2,0	80,0	120	22	79,91	121401209	402,11
MF 80 x 3,0	80,0	120	36	79,88	121401210	402,11
MF 80 x 4,0	80,0	120	36	79,85	121401211	402,11
MF 82 x 1,5	82,0	130	25	81,92	121401212	508,42
MF 82 x 2,0	82,0	130	25	81,91	121401213	508,42
MF 82 x 3,0	82,0	130	36	81,88	121401214	508,42
MF 82 x 4,0	82,0	130	36	81,85	121401215	508,42
MF 84 x 1,5	84,0	130	25	83,92	121401216	508,42
MF 84 x 2,0	84,0	130	25	83,91	121401217	508,42
MF 84 x 3,0	84,0	130	36	83,88	121401218	508,42
MF 84 x 4,0	84,0	130	36	83,85	121401219	508,42
MF 85 x 1,5	85,0	130	25	84,92	121401220	508,42
MF 85 x 2,0	85,0	130	25	84,91	121401221	508,42
MF 85 x 3,0	85,0	130	36	84,88	121401222	508,42
MF 85 x 4,0	85,0	130	36	84,85	121401223	508,42
MF 86 x 1,5	86,0	140	22	85,92	121401224	633,68
MF 86 x 2,0	86,0	140	22	85,91	121401225	633,68
MF 86 x 3,0	86,0	140	22	85,88	121401226	633,68
MF 86 x 4,0	86,0	140	22	85,85	121401227	633,68
MF 88 x 1,5	88,0	140	22	87,92	121401228	633,68
MF 88 x 2,0	88,0	140	22	87,91	121401229	633,68
MF 88 x 3,0	88,0	140	22	87,88	121401230	633,68
MF 88 x 4,0	88,0	140	22	87,85	121401231	633,68

Round Dies for general use


MF

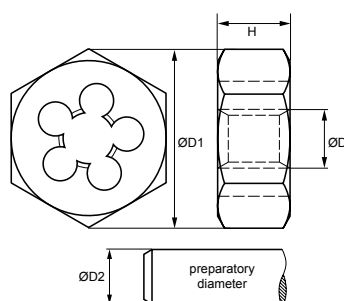
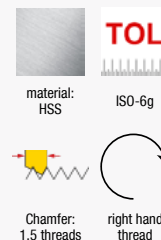
	D	D1	H	D2	No.	€
MF 90 x 1,5	90,0	140	22	89,92	121401232	633,68
MF 90 x 2,0	90,0	140	22	89,91	121401233	633,68
MF 90 x 3,0	90,0	140	22	89,88	121401234	633,68
MF 90 x 4,0	90,0	140	22	89,85	121401235	633,68
MF 92 x 1,5	92,0	140	22	91,92	121401236	633,68
MF 92 x 2,0	92,0	140	22	91,91	121401237	633,68
MF 92 x 3,0	92,0	140	22	91,88	121401238	633,68
MF 92 x 4,0	92,0	140	22	91,85	121401239	633,68
MF 95 x 1,5	95,0	140	22	94,92	121401240	633,68
MF 95 x 2,0	95,0	140	22	94,91	121401241	633,68
MF 95 x 3,0	95,0	140	22	94,88	121401242	633,68
MF 95 x 4,0	95,0	140	22	94,85	121401243	633,68
MF 96 x 1,5	96,0	140	22	95,92	121401244	633,68
MF 96 x 2,0	96,0	140	22	95,91	121401245	633,68
MF 96 x 3,0	96,0	140	22	95,88	121401246	633,68
MF 96 x 4,0	96,0	140	22	95,85	121401247	633,68
MF 98 x 1,5	98,0	150	25	94,92	121401248	762,11
MF 98 x 2,0	98,0	150	25	97,91	121401249	762,11
MF 98 x 3,0	98,0	150	25	97,88	121401250	762,11
MF 98 x 4,0	98,0	150	25	97,85	121401251	762,11
MF 100 x 1,5	100,0	150	25	99,92	121401252	762,11
MF 100 x 2,0	100,0	150	25	99,91	121401253	762,11
MF 100 x 3,0	100,0	150	25	99,88	121401254	762,11
MF 100 x 4,0	100,0	150	25	99,85	121401255	762,11
MF 105 x 1,5	105,0	150	25	104,92	121401256	762,11
MF 105 x 2,0	105,0	150	25	104,91	121401257	762,11
MF 105 x 3,0	105,0	150	25	104,88	121401258	762,11
MF 105 x 4,0	105,0	150	25	104,85	121401259	762,11
MF 110 x 1,5	110,0	160	25	109,92	121401260	832,63
MF 110 x 2,0	110,0	160	25	109,91	121401261	832,63
MF 110 x 3,0	110,0	160	25	109,88	121401262	832,63
MF 110 x 4,0	110,0	160	25	109,85	121401263	832,63

Hexagon Di Nuts for general use


MF

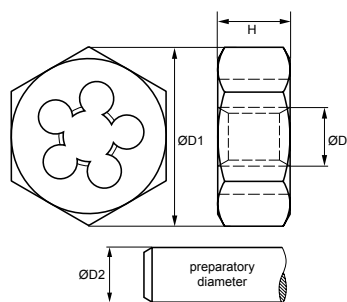
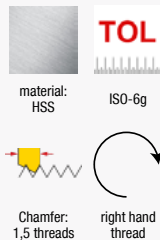
	D	D1	H	D2	No.	€
MF 3 x 0,35	3,0	19	5	2,94	121501001	22,00
MF 4 x 0,35	3,5	19	5	3,44	121501002	22,00
MF 4 x 0,5	4,0	19	5	3,93	121501003	22,00
MF 5 x 0,5	5,0	19	5	4,93	121501004	22,00
MF 5 x 0,75	5,0	19	7	4,91	121501005	22,00
MF 6 x 0,5	6,0	19	5	5,93	121501006	22,00
MF 6 x 0,75	6,0	19	7	5,90	121501007	22,00
MF 7 x 0,75	7,0	22	9	6,90	121501008	23,68
MF 8 x 0,5	8,0	22	9	7,93	121501009	23,68
MF 8 x 0,75	8,0	22	9	7,90	121501010	23,68
MF 8 x 1,0	8,0	22	9	7,83	121501011	23,68
MF 9 x 0,75	9,0	22	9	8,90	121501012	23,68
MF 9 x 1,0	9,0	22	9	8,88	121501013	23,68
MF 10 x 0,75	10,0	27	11	9,90	121501014	23,68
MF 10 x 1,0	10,0	27	11	9,88	121501015	23,68
MF 10 x 1,25	10,0	27	11	9,86	121501016	23,68
MF 11 x 1,0	11,0	27	11	10,88	121501017	33,16
MF 11 x 1,25	11,0	27	11	10,86	121501018	33,16
MF 12 x 0,75	12,0	36	10	11,90	121501019	33,16
MF 12 x 1,0	12,0	36	10	11,88	121501020	33,16
MF 12 x 1,25	12,0	36	10	11,86	121501021	33,16
MF 12 x 1,5	12,0	36	10	11,85	121501022	33,16
MF 13 x 1,0	13,0	36	10	12,88	121501023	37,68
MF 13 x 1,5	13,0	36	10	12,85	121501024	37,68
MF 14 x 0,75	14,0	36	10	13,90	121501025	37,68
MF 14 x 1,0	14,0	36	10	13,88	121501026	37,68
MF 14 x 1,25	14,0	36	10	13,86	121501027	37,68
MF 14 x 1,5	14,0	36	10	13,85	121501028	37,68
MF 15 x 1,0	15,0	36	10	14,88	121501029	43,89
MF 15 x 1,5	15,0	36	10	14,85	121501030	43,89
MF 16 x 1,0	16,0	41	14	15,88	121501031	46,21
MF 16 x 1,25	16,0	41	14	15,86	121501032	46,21
MF 16 x 1,5	16,0	41	14	15,85	121501033	46,21
MF 18 x 1,0	18,0	41	14	17,88	121501034	48,42

Hexagon Di Nuts for general use


MF

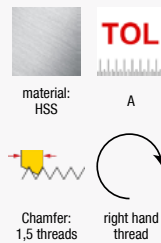
	D	D1	H	D2	No.	€
MF 18 x 1,25	18,0	41	14	17,86	121501035	48,42
MF 18 x 1,5	18,0	41	14	17,85	121501036	48,42
MF 18 x 2,0	18,0	41	14	17,82	121501037	48,42
MF 20 x 1,0	20,0	41	14	19,88	121501038	48,42
MF 20 x 1,25	20,0	41	14	19,86	121501039	48,42
MF 20 x 1,5	20,0	41	14	19,85	121501040	48,42
MF 20 x 2,0	20,0	41	14	19,82	121501041	48,42
MF 21 x 1,5	21,0	41	14	20,85	121501042	70,95
MF 22 x 1,0	22,0	50	16	21,88	121501043	70,95
MF 22 x 1,25	22,0	50	16	21,86	121501044	70,95
MF 22 x 1,5	22,0	50	16	21,85	121501045	70,95
MF 22 x 2,0	22,0	50	16	21,82	121501046	70,95
MF 23 x 1,5	23,0	50	16	22,85	121501047	70,95
MF 24 x 1,0	24,0	50	16	23,88	121501048	70,95
MF 24 x 1,25	24,0	50	16	23,86	121501049	70,95
MF 24 x 1,5	24,0	50	16	23,85	121501050	70,95
MF 24 x 2,0	24,0	50	16	22,82	121501051	70,95
MF 25 x 1,0	25,0	50	16	24,88	121501052	102,53
MF 25 x 1,5	25,0	50	16	24,85	121501053	102,53
MF 26 x 1,0	26,0	50	16	25,88	121501054	102,53
MF 26 x 1,5	26,0	50	16	25,85	121501055	102,53
MF 26 x 2,0	26,0	50	16	25,82	121501056	102,53
MF 27 x 1,0	27,0	60	18	26,88	121501057	107,37
MF 27 x 1,5	27,0	60	18	26,85	121501058	107,37
MF 27 x 2,0	27,0	60	18	26,82	121501059	107,37
MF 28 x 1,0	28,0	60	18	27,88	121501060	107,37
MF 28 x 1,5	28,0	60	18	27,85	121501061	107,37
MF 28 x 2,0	28,0	60	18	27,82	121501062	107,37
MF 29 x 1,5	29,0	60	18	28,85	121501063	107,37
MF 30 x 1,0	30,0	60	18	29,88	121501064	107,37
MF 30 x 1,5	30,0	60	18	29,85	121501065	107,37
MF 30 x 2,0	30,0	60	18	29,82	121501066	107,37
MF 30 x 3,0	30,0	60	25	29,76	121501067	107,37
MF 32 x 1,5	32,0	60	18	31,85	121501068	107,37

Hexagon Di Nuts for general use

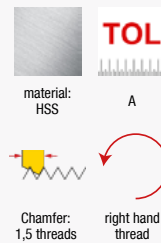

MF

	D	D1	H	D2	No.	€
MF 32 x 2,0	32,0	60	18	31,82	121501069	107,37
MF 32 x 3,0	32,0	60	25	31,77	121501070	107,37
MF 33 x 1,5	33,0	60	18	32,85	121501071	107,37
MF 33 x 2,0	33,0	60	18	32,82	121501072	107,37
MF 33 x 3,0	33,0	60	25	32,76	121501073	107,37
MF 34 x 1,5	34,0	60	18	33,85	121501074	107,37
MF 34 x 2,0	34,0	60	18	33,82	121501075	107,37
MF 35 x 1,5	35,0	60	18	34,85	121501076	107,37
MF 36 x 1,5	36,0	60	18	35,85	121501077	107,37
MF 36 x 2,0	36,0	60	18	35,82	121501078	107,37
MF 36 x 3,0	36,0	60	25	35,76	121501079	107,37
MF 38 x 1,5	38,0	70	20	37,85	121501080	178,95
MF 39 x 1,5	39,0	70	20	38,85	121501081	178,95
MF 39 x 2,0	39,0	70	20	38,82	121501082	178,95
MF 39 x 3,0	39,0	70	30	38,76	121501083	178,95
MF 40 x 1,5	40,0	70	20	39,85	121501084	178,95
MF 40 x 2,0	40,0	70	20	39,82	121501085	178,95
MF 40 x 3,0	40,0	70	30	39,76	121501086	178,95
MF 42 x 1,5	42,0	70	20	41,85	121501087	178,95
MF 42 x 2,0	42,0	70	20	41,82	121501088	178,95
MF 42 x 3,0	42,0	70	30	41,76	121501089	178,95
MF 45 x 1,5	45,0	85	22	44,85	121501090	263,16
MF 45 x 2,0	45,0	85	22	44,82	121501091	263,16
MF 45 x 3,0	45,0	85	36	44,76	121501092	263,16
MF 48 x 1,5	48,0	85	22	47,85	121501093	263,16
MF 48 x 2,0	48,0	85	22	47,82	121501094	263,16
MF 48 x 3,0	48,0	85	36	47,46	121501095	263,16
MF 50 x 1,5	50,0	85	22	49,85	121501096	263,16
MF 50 x 2,0	50,0	85	22	49,82	121501097	263,16
MF 50 x 3,0	50,0	85	36	49,76	121501098	263,16
MF 52 x 1,5	52,0	85	22	51,85	121501099	263,16
MF 52 x 2,0	52,0	85	22	51,82	121501100	263,16
MF 52 x 3,0	52,0	85	36	51,76	121501101	263,16

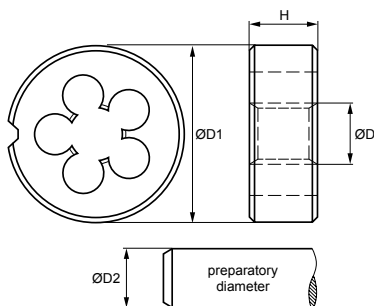
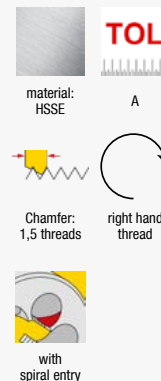
Round Dies for general use



Round Dies for general use Left Hand



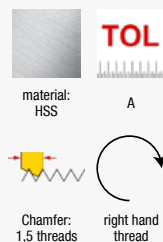
Round Dies for stainless steels



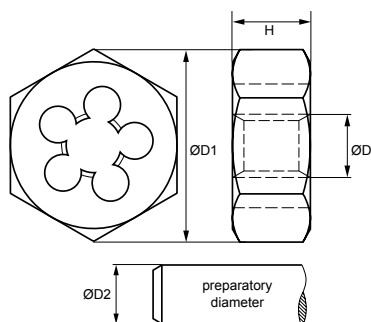
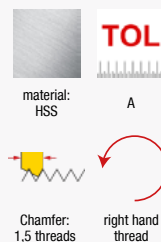
G(BSP)

	D	D1	H	D2	No.	€	No.	€	No.	€
BSP 1/8 x 28	9,73	30	11	9,62	131401001	18,12	131402001	32,74	131405001	28,64
BSP 1/4 x 19	13,16	38	10	13,03	131401002	18,48	131402002	37,42	131405002	28,64
BSP 3/8 x 19	16,66	45	14	16,54	131401003	24,55	131402003	54,95	131405003	42,68
BSP 1/2 x 14	20,95	45	14	20,81	131401004	24,55	131402004	54,95	131405004	42,68
BSP 5/8 x 14	22,91	55	16	22,77	131401005	44,44	131402005	74,26		
BSP 3/4 x 14	26,44	55	16	26,30	131401006	44,44	131402006	92,37	131405005	78,36
BSP 7/8 x 14	30,20	65	18	30,06	131401007	59,64	131402007	101,74		
BSP 1" x 11	33,25	65	18	33,07	131401008	59,64	131402008	101,74	131405006	112,27
BSP 1.1/8 x 11	37,90	75	20	37,72	131401009	100,58	131402009	128,63		
BSP 1.1/4 x 11	41,91	75	20	41,73	131401010	100,58	131402010	128,63		
BSP 1.3/8 x 11	44,32	90	22	44,14	131401011	175,42	131402011	212,84		
BSP 1.1/2 x 11	47,80	90	22	47,62	131401012	175,42	131402012	212,84		
BSP 1.5/8 x 11	52,00	90	22	51,82	131401013	175,42	131402013	212,84		
BSP 1.3/4 x 11	53,74	105	22	53,57	131401014	300,55	131402014	364,87		
BSP 2" x 11	59,61	90	22	59,43	131401015	175,42	131402015	364,87		
BSP 2" x 11	59,61	105	22	59,43	131401016	300,55				
BSP 2.1/4 x 11	65,71	120	22	65,49	131401017	440,78				
BSP 2.1/2 x 11	75,18	120	22	74,97	131401018	589,38				
BSP 2.3/4 x 11	81,53	120	22	81,32	131401019	589,38				
BSP 3" x 11	87,88	130	25	87,67	131401020	652,35				
BSP 3.1/2 x 11	100,33	150	25	100,11	131401021	1.057,87				
BSP 4" x 11	113,03	160	25	112,81	131401022	1.309,74				

Hexagon Die Nuts for general use



Hexagon Die Nuts for general use Left Hand

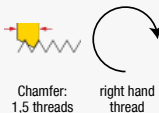

G(BSP)

	D	D1	H	D2	No.	€	No.	€
BSP 1/8 x 28	9,73	27	11	9,62	131501001	20,95	131502001	36,25
BSP 1/4 x 19	13,16	36	10	13,03	131501002	25,01	131502002	40,93
BSP 3/8 x 19	16,66	41	14	16,54	131501003	37,23	131502003	61,40
BSP 1/2 x 14	20,95	41	14	20,81	131501004	37,23	131502004	61,40
BSP 5/8 x 14	22,91	50	16	22,77	131501005	62,24	131502005	81,86
BSP 3/4 x 14	26,44	50	16	26,30	131501006	62,24	131502006	81,86
BSP 7/8 x 14	30,20	60	18	30,06	131501007	84,36		
BSP 1" x 11	33,25	60	18	33,07	131501008	84,36	131502007	105,25
BSP 1.1/8 x 11	37,90	70	20	37,72	131501009	124,50	131502008	163,72
BSP 1.1/4 x 11	41,91	70	20	41,73	131501010	124,50	131502009	163,72
BSP 1.3/8 x 11	44,32	85	22	44,14	131501011	207,12	131502010	270,14
BSP 1.1/2 x 11	47,80	85	22	47,62	131501012	207,12	131502011	270,14
BSP 1.5/8 x 11	52,00	85	22	51,82	131501013	207,12		
BSP 1.3/4 x 11	53,74	100	22	53,57	131501014	310,67	131502012	405,78
BSP 2" x 11	59,61	100	22	59,43	131501015	310,67	131502013	405,78

Round Dies for general use



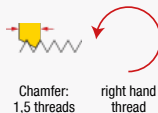
material: HSS 2A



Round Dies for general use Left Hand



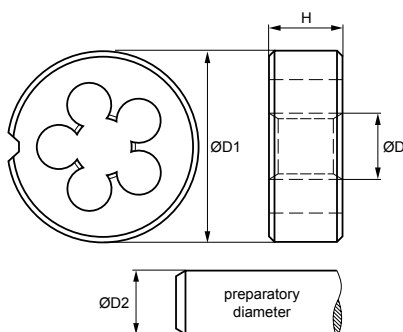
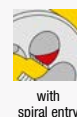
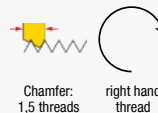
material: HSS 2A



Round Dies for stainless steels



material: HSSE 2A


UNC

	D	D1	H	D2	No.	€	No.	€	No.	€
UNC No 1 x 64	1,85	16	5	1,79	141401001	16,75				
UNC No 2 x 56	2,18	16	5	2,12	141401002	16,75				
UNC No 3 x 48	2,52	16	5	2,44	141401003	16,75				
UNC No 4 x 40	2,85	20	5	2,76	141401004	13,76			141405001	111,53
UNC No 5 x 40	3,18	20	5	3,09	141401005	12,92				
UNC No 6 x 32	3,51	20	7	3,41	141401006	12,92	141402001	23,38	141405002	94,97
UNC No 8 x 32	4,17	20	7	4,07	141401007	12,92	141402002	23,38	141405003	85,84
UNC No 10 x 24	4,83	20	7	4,71	141401008	12,92	141402003	23,38		
UNC No 12 x 24	5,49	20	7	5,37	141401009	12,92				
UNC 1/4 x 20	6,35	20	7	6,22	141401010	12,29	141402004	18,94	141405004	79,09
UNC 5/16 x 18	7,94	25	9	7,80	141401011	14,03	141402005	22,10	141405005	112,54
UNC 3/8 x 16	9,53	30	11	9,37	141401012	15,56	141402006	26,90	141405006	118,63
UNC 7/16 x 14	11,11	30	11	10,95	141401013	18,01	141402007	26,90		
UNC 1/2 x 13	12,70	38	14	12,52	141401014	20,23	141402008	42,09		
UNC 9/16 x 12	14,29	38	14	14,10	141401015	25,03	141402009	42,09		
UNC 5/8 x 11	15,88	45	18	15,68	141401016	27,36	141402010	53,80		
UNC 3/4 x 10	19,05	45	18	18,84	141401017	27,36	141402011	53,80		
UNC 7/8 x 9	22,23	55	22	22,00	141401018	46,77	141402012	78,35		
UNC 1" x 8	25,40	55	22	25,16	141401019	46,77	141402013	78,35		
UNC 1.1/8 x 7	28,58	65	25	28,31	141401020	70,76				
UNC 1.1/4 x 7	31,75	65	25	31,49	141401021	70,76				
UNC 1.3/8 x 6	34,93	65	25	34,63	141401022	70,76				
UNC 1.1/2 x 6	38,10	65	25	37,80	141401023	70,76				
UNC 1.1/2 x 6	38,10	75	30	37,80	141401024	126,30				
UNC 1.5/8 x 5	41,28	75	30	40,95	141401025	126,30				
UNC 1.3/4 x 5	44,45	90	36	44,12	141401026	192,96				
UNC 1.7/8 x 4,5	47,63	90	36	47,30	141401027	192,96				
UNC 2" x 4,5	50,80	90	36	50,45	141401028	192,96				

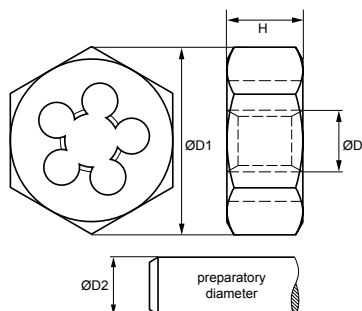
Hexagon Die Nuts for general use


 material:
HSS

TOL

2A


 Chamfer:
1,5 threads

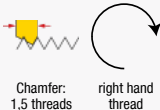
 right hand
thread

UNC

	D	D1	H	D2	No.	€
UNC 1/4 x 20	6,35	19	7	6,22	141501001	15,20
UNC 5/16 x 18	7,94	22	9	7,80	141501002	15,78
UNC 3/8 x 16	9,53	27	11	9,37	141501003	19,07
UNC 7/16 x 14	11,11	27	11	10,95	141501004	19,07
UNC 1/2 x 13	12,70	36	14	12,52	141501005	23,38
UNC 9/16 x 12	14,29	36	14	14,10	141501006	23,38
UNC 5/8 x 11	15,88	41	18	15,68	141501007	31,93
UNC 3/4 x 10	19,05	41	18	18,84	141501008	31,93
UNC 7/8 x 9	22,23	50	22	22,00	141501009	66,32
UNC 1" x 8	25,40	50	22	25,16	141501010	66,32
UNC 1.1/8 x 7	28,58	60	25	28,31	141501011	100,58
UNC 1.1/4 x 7	31,75	60	25	31,49	141501012	100,58
UNC 1.3/8 x 6	34,93	60	25	34,63	141501013	100,58
UNC 1.1/2 x 6	38,10	70	30	37,80	141501014	115,65

Round Dies for general use


 material:
HSS

2A

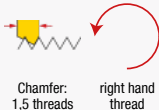

 Chamfer:
1,5 threads

 right hand
thread

Round Dies for general use Left Hand


 material:
HSS

2A

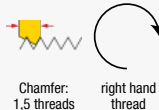

 Chamfer:
1,5 threads

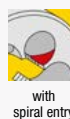
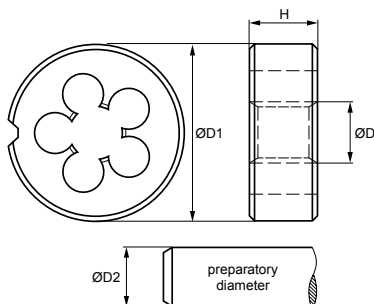
 right hand
thread

Round Dies for stainless steels


 material:
HSSE

2A


 Chamfer:
1,5 threads

 right hand
thread

 with
spiral entry

UNF

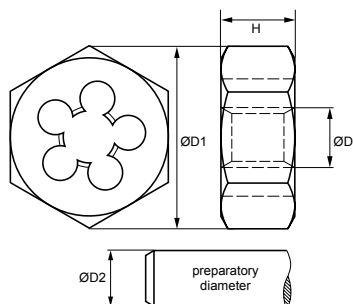
	D	D1	H	D2	No.	€	No.	€	No.	€
UNF NR. 0 x 80	1,52	16	5	1,47	151401001	21,00				
UNF NR. 1 x 72	1,85	16	5	1,79	151401002	21,00				
UNF NR. 2 x 64	2,18	16	5	2,12	151401003	16,75				
UNF NR. 3 x 56	2,52	16	5	2,44	151401004	16,75				
UNF NR. 4 x 48	2,85	20	5	2,77	151401005	13,86				
UNF NR. 5 x 44	3,18	20	5	3,10	151401006	13,86				
UNF NR. 6 x 40	3,51	20	5	3,42	151401007	12,92				
UNF NR. 8 x 36	4,17	20	7	4,08	151401008	12,92				
UNF NR. 10 x 32	4,83	20	7	4,73	151401009	12,92	151402001	23,38	151405001	79,16
UNF NR. 12 x 28	5,49	20	7	5,38	151401010	12,92				
UNF 1/4 x 28	6,35	20	7	6,24	151401011	12,27	151402002	18,94	151405002	95,35
UNF 5/16 x 24	7,94	25	9	7,82	151401012	14,03	151402003	22,10	151405003	98,86
UNF 3/8 x 24	9,53	30	11	9,41	151401013	15,56	151402004	26,90	151405004	121,92
UNF 7/16 x 20	11,11	30	11	10,98	151401014	18,01	151402005	26,90	151405005	117,57
UNF 1/2 x 20	12,70	38	10	12,56	151401015	20,23	151402006	42,09		
UNF 9/16 x 18	14,29	38	10	14,14	151401016	25,03	151402007	42,09		
UNF 5/8 x 18	15,88	45	14	15,73	151401017	27,36	151402008	53,80		
UNF 3/4 x 16	19,05	45	14	18,89	151401018	27,36	151402009	53,80		
UNF 7/8 x 14	22,23	55	16	22,05	151401019	46,77	151402010	78,35		
UNF 1" x 12	25,40	55	16	25,21	151401020	46,77	151402011	78,35		
UNF 1" x 14	25,40	55	16	25,23	151401021	46,77				
UNF 1.1/8 x 12	28,58	65	18	28,38	151401022	70,76				
UNF 1.1/4 x 12	31,75	65	18	31,55	151401023	70,76				
UNF 1.3/8 x 12	34,93	65	18	34,73	151401024	70,76				
UNF 1.1/2 x 12	38,10	65	18	37,90	151401025	70,76				
UNF 1.1/2 x 12	38,10	75	20	37,90	151401026	126,30				

Hexagon Die Nuts for general use


 material:
HSS


2A


 Chamfer:
1,5 threads

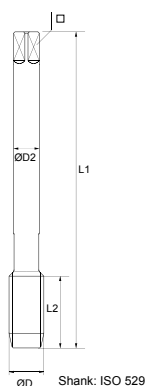
 right hand
thread

UNF

	D	D1	H	D2	No.	€
UNF 1/4 x 28	6,35	19	7	6,24	151501001	15,20
UNF 5/16 x 24	7,94	22	9	7,82	151501002	15,78
UNF 3/8 x 24	9,53	27	11	9,41	151501003	19,07
UNF 7/16 x 20	11,11	27	11	10,98	151501004	19,07
UNF 1/2 x 20	12,70	36	10	12,56	151501005	23,38
UNF 9/16 x 18	14,29	36	10	14,14	151501006	23,38
UNF 5/8 x 18	15,88	41	14	15,73	151501007	31,93
UNF 3/4 x 16	19,05	41	14	18,89	151501008	31,93
UNF 7/8 x 14	22,23	50	16	22,05	151501009	66,32
UNF 1" x 12	25,40	50	16	25,21	151501010	66,32
UNF 1.1/8 x 12	28,58	60	18	28,38	151501011	100,58
UNF 1.1/4 x 12	31,75	60	18	31,55	151501012	100,58
UNF 1.3/8 x 12	34,93	60	18	34,73	151501013	100,58
UNF 1.1/2 x 12	38,10	70	20	37,90	151501014	120,46

UNS

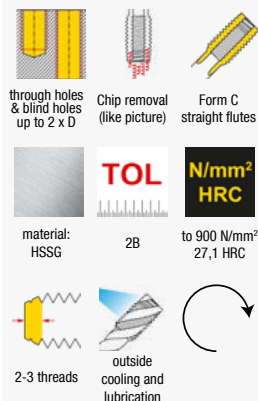
Unified thread with special / threads per inch (TPI)

- ✓ Tap for machine use in through hole and blind hole.
- ✓ The short lead-in chamfer makes that tap universal in application. The flutes can hold the most part of the chips.



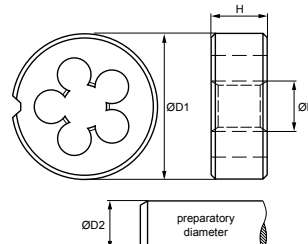
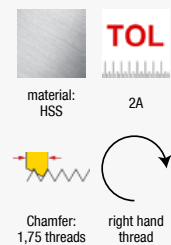
Machine Taps

Form C for through holes and blind holes



Round Dies

for general use



UNS

	D1	D2	L1	L2		No.	€
UNS 1/4 x 24	6,35	6,3	66	19	5,0	160501001	9,97
UNS 1/4 x 36	6,35	6,3	66	19	5,0	160501002	9,97
UNS 1/4 x 40	6,35	6,3	66	19	5,0	160501003	9,97
UNS 3/8 x 27	9,53	10,0	80	24	8,0	160501004	14,27
UNS 7/16 x 24	11,11	8,0	85	25	6,3	160501005	16,79
UNS 1/2 x 24	12,70	9,0	89	29	7,1	160501006	16,79
UNS 5/8 x 27	15,88	12,5	102	32	10,0	160501007	25,71
UNS 3/4 x 24	19,05	14,0	112	37	11,2	160501008	47,65
UNS 7/8 x 18	22,23	16,0	118	38	12,5	160501009	58,14
UNS 1" x 14	25,40	18,0	130	45	14,0	160501010	66,75

UNS

	D	D1	H	D2	No.	€
UNS 1/4 x 24	6,35	20	7	6,24	161401001	39,69
UNS 1/4 x 36	6,35	20	5	6,26	161401002	39,69
UNS 1/4 x 40	6,35	20	5	6,27	161401003	39,69
UNS 3/8 x 27	9,53	30	11	9,41	161401004	*
UNS 7/16 x 24	11,11	30	11	11,00	161401005	65,60
UNS 1/2 x 24	12,70	38	10	12,59	161401006	66,71
UNS 5/8 x 27	15,88	45	14	15,76	161401007	110,03
UNS 7/8 x 18	22,23	55	16	22,08	161401008	203,96
UNS 1" x 14	25,40	55	16	25,23	161401009	203,96

* on request

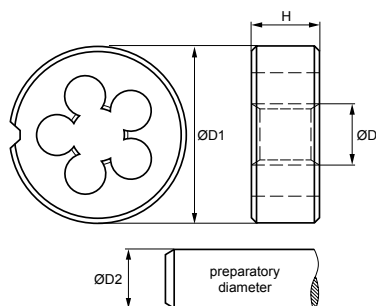
Round Dies for general use



material: HSS

2A


 Chamfer:
1,5 threads

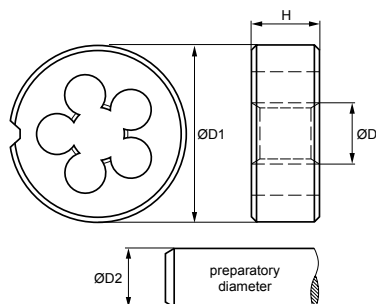
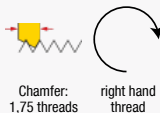
 right hand
thread

UNEF

	D	D1	H	D2	No.	€
UNEF No 12 x 32	5,49	20	7	5,39	171401001	14,59
UNEF 1/4 x 32	6,35	20	7	6,25	171401002	14,59
UNEF 5/16 x 32	7,94	25	9	7,84	171401003	18,58
UNEF 3/8 x 32	9,53	30	11	9,42	171401004	21,20
UNEF 7/16 x 28	11,11	30	11	11,00	171401005	21,20
UNEF 1/2 x 28	12,70	38	10	12,59	171401006	32,43
UNEF 9/16 x 24	14,29	38	10	14,17	171401007	32,43
UNEF 5/8 x 24	15,88	45	14	15,75	171401008	51,84
UNEF 11/16 x 24	17,46	45	14	17,33	171401009	51,84
UNEF 3/4 x 20	19,05	45	14	18,91	171401010	51,84
UNEF 13/16 x 20	20,64	55	16	20,50	171401011	61,18
UNEF 7/8 x 20	22,23	55	16	22,09	171401012	61,18
UNEF 15/16 x 20	23,81	55	16	23,67	171401013	61,18
UNEF 1" x 20	25,40	55	16	25,26	171401014	61,18
UNEF 1.1/16 x 18	26,99	65	18	26,84	171401015	97,71
UNEF 1.1/8 x 18	28,58	65	18	28,58	171401016	97,71
UNEF 1.3/16 x 18	30,23	65	18	30,16	171401017	97,71
UNEF 1.1/4 x 18	31,75	65	18	31,75	171401018	97,71
UNEF 1.5/16 x 18	33,34	65	18	33,34	171401019	97,71
UNEF 1.3/8 x 18	34,93	65	18	34,93	171401020	97,71
UNEF 1.7/16 x 18	36,51	75	20	36,51	171401021	123,52
UNEF 1.1/2 x 18	38,10	75	20	38,10	171401022	123,52

Round Dies for general use



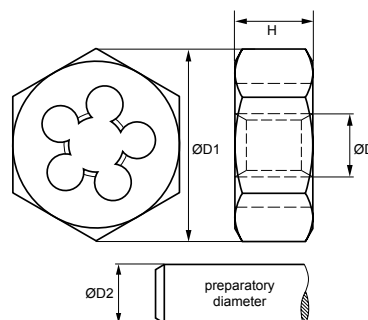
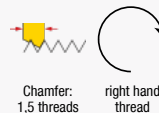
material: HSS 2A



Hexagon Die Nuts for general use



material: HSS medium


8-UN

	D	D1	H	D2	No.	€
UN 1.1/8 x 8	28,58	65	25	28,33	181401001	254,13
UN 1.1/4 x 8	31,75	65	25	31,51	181401002	310,91
UN 1.3/8 x 8	34,93	65	25	34,68	181401003	286,65
UN 1.1/2 x 8	38,10	75	20	37,85	181401004	400,21
UN 1.3/4 x 8	44,45	90	22	44,20	181401005	595,35
UN 2" x 8	50,80	90	22	50,55	181401006	622,91

8-UN

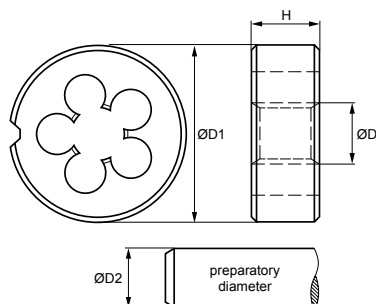
	D	D1	H	D2	No.	€
UN 1.1/8 x 8	28,58	60	25	28,33	181501001	100,70
UN 1.1/4 x 8	31,75	60	25	31,51	181501002	100,70
UN 1.3/8 x 8	34,93	60	25	34,68	181501003	100,70
UN 1.1/2 x 8	38,10	60	25	37,85	181501004	182,96
UN 1.5/8 x 8	41,28	70	30	41,03	181501005	182,96
UN 1.3/4 x 8	44,45	85	36	44,20	181501006	182,96
UN 1.7/8 x 8	47,63	85	22	47,38	181501007	182,96
UN 2" x 8	50,80	85	22	50,55	181501008	182,96
UN 2.1/8 x 8	53,98	85	22		181501009	311,89
UN 2.1/4 x 8	57,15	100	22		181501010	311,89
UN 2.1/2 x 8	63,50	115	22		181501011	466,60

Round Dies for general use


 material:
HSS

medium


 Chamfer:
1,75 threads

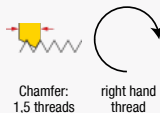
 right hand
thread

12-UN

	D	D1	H	D2	No.	€
UN 1.1/16 x 12	26,99	65	18	26,80	191401001	334,78
UN 1.5/16 x 12	33,34	65	18	33,15	191401002	288,61
UN 1.5/8 x 12	41,28	75	20	41,09	191401003	503,75
UN 1.3/4 x 12	44,45	90	22	44,26	191401004	766,12
UN 2" x 12	50,80	90	22	50,61	191401005	1.920,54

Round Dies for general use


material:
HSS

2A

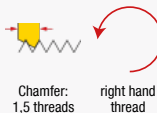

Chamfer:
1,5 threads

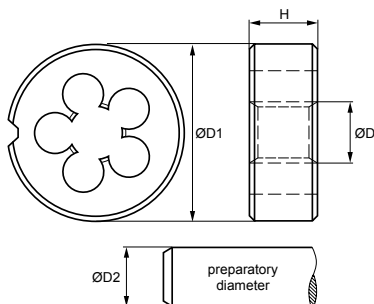
right hand
thread

Round Dies for general use Left Hand


material:
HSS

2A


Chamfer:
1,5 threads

right hand
thread

BSW

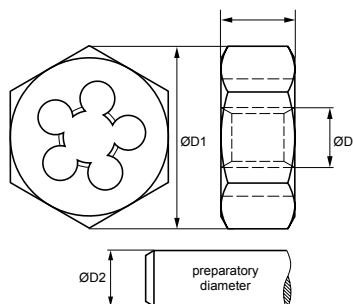
	D	D1	H	D2	No.	€	No.	€
BSW 1/16 x 60	1,59	16	5	1,51	211401001	12,27		
BSW 3/32 x 48	2,38	16	5	2,3	211401002	12,27		
BSW 1/8 x 40	3,18	20	5	3,09	211401003	12,27	211402001	18,94
BSW 5/32 x 32	3,97	20	5	3,88	211401004	12,27	211402002	18,94
BSW 3/16 x 24	4,76	20	7	4,66	211401005	12,27	211402003	18,94
BSW 7/32 x 24	5,56	20	7	5,46	211401006	12,27		
BSW 1/4 x 20	6,35	20	7	6,24	211401007	12,27	211402004	18,94
BSW 5/16 x 18	7,94	25	9	7,82	211401008	14,03	211402005	22,1
BSW 3/8 x 16	9,53	30	11	9,4	211401009	15,56	211402006	26,9
BSW 7/16 x 14	11,11	30	11	10,98	211401010	18,01	211402007	26,9
BSW 1/2 x 12	12,7	38	14	12,56	211401011	20,23	211402008	42,09
BSW 9/16 x 12	14,29	38	14	14,14	211401012	25,03	211402009	42,09
BSW 5/8 x 11	15,88	45	18	15,72	211401013	27,36	211402010	53,8
BSW 3/4 x 10	19,05	45	18	18,89	211401014	27,36	211402011	53,8
BSW 7/8 x 9	22,23	55	22	22,1	211401015	46,77	211402012	78,35
BSW 1" x 8	25,4	55	22	25,27	211401016	46,77	211402013	78,35
BSW 1.1/8 x 7	28,58	65	25	28,44	211401017	70,76		
BSW 1.1/4 x 7	31,75	65	25	31,61	211401018	70,76		
BSW 1.3/8 x 6	34,93	65	25	34,77	211401019	70,76		
BSW 1.1/2 x 6	38,1	65	25	37,95	211401020	70,76		
BSW 1.1/2 x 6	38,1	75	30	37,95	211401021	126,3		
BSW 1.5/8 x 5	41,28	75	30	41,11	211401022	126,3		
BSW 1.3/4 x 5	44,45	90	36	44,28	211401023	192,96		
BSW 1.7/8 x 4,5	47,63	90	36	47,46	211401024	192,96		
BSW 2" x 4,5	50,8	90	36	50,63	211401025	192,96		
BSW 2.1/4 x 4	57,15	105	36	56,98	211401026	535,23		
BSW 2.1/2 x 4	63,5	105	36	63,34	211401027	535,23		
BSW 2.3/4 x 3,5	69,85	120	36	69,68	211401028	656,13		
BSW 3" x 3,5	76,2	120	36	76,03	211401029	656,13		

Hexagon Die Nuts for general use


material:
HSS

2A


Chamfer:
1,5 threads

right hand
thread


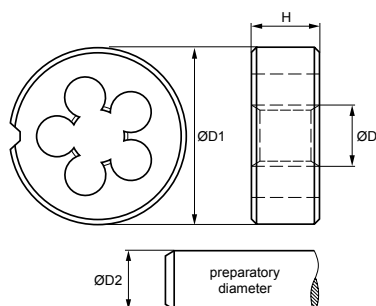
BSW

	D	D1	H	D2	No.	€
BSW 1/8 x 40	3,18	20	5	3,09	211501001	15,20
BSW 3/16 x 24	4,76	20	7	4,66	211501002	15,20
BSW 1/4 x 20	6,35	20	7	6,24	211501003	15,20
BSW 5/16 x 18	7,94	25	9	7,82	211501004	15,78
BSW 3/8 x 16	9,53	30	11	9,40	211501005	19,07
BSW 7/16 x 14	11,11	30	11	10,98	211501006	19,07
BSW 1/2 x 12	12,70	38	14	12,56	211501007	23,38
BSW 9/16 x 12	14,29	38	14	14,14	211501008	23,38
BSW 5/8 x 11	15,88	45	18	15,72	211501009	31,93
BSW 3/4 x 10	19,05	45	18	18,89	211501010	31,93
BSW 7/8 x 9	22,23	55	22	22,10	211501011	66,32
BSW 1" x 8	25,40	55	22	25,27	211501012	66,32
BSW 1.1/8 x 7	28,58	65	25	28,44	211501013	100,58
BSW 1.1/4 x 7	31,75	65	25	31,61	211501014	100,58
BSW 1.3/8 x 6	34,93	65	25	34,77	211501015	100,58
BSW 1.1/2 x 6	38,10	65	25	37,95	211501016	120,46
BSW 2" x 4,5	50,80	90	36	50,63	211501017	157,87
BSW 2.1/4 x 4	57,15	105	36	56,98	211501018	555,50
BSW 2.1/2 x 4	63,50	105	36	63,34	211501019	555,50
BSW 2.3/4 x 3,5	69,85	120	36	69,68	211501020	687,62
BSW 3" x 3,5	76,20	120	36	76,03	211501021	687,62

Round Dies for general use



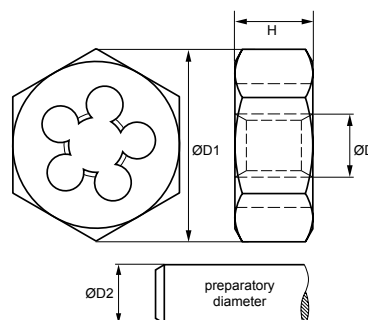
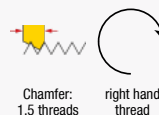
material: HSS 2A



Hexagon Die Nuts for general use



material: HSS medium

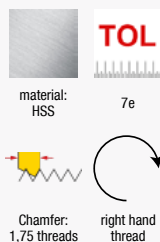

BSF

	D	D1	H	D2	No.	€
BSF 3/16 x 32	4,76	20	7	4,67	221401001	12,27
BSF 1/4 x 26	6,35	20	7	6,25	221401002	12,27
BSF 5/16 x 22	7,94	25	9	7,83	221401003	14,03
BSF 3/8 x 20	9,53	30	11	9,41	221401004	15,55
BSF 7/16 x 18	11,11	30	11	10,99	221401005	18,01
BSF 1/2 x 16	12,70	38	10	12,57	221401006	23,15
BSF 9/16 x 16	14,29	38	10	14,12	221401007	25,73
BSF 5/8 x 14	15,88	45	14	15,73	221401008	35,08
BSF 3/4 x 12	19,05	45	14	18,89	221401009	35,08
BSF 7/8 x 11	22,23	55	22	22,11	221401010	47,95
BSF 1" x 10	25,40	55	22	25,28	221401011	47,95

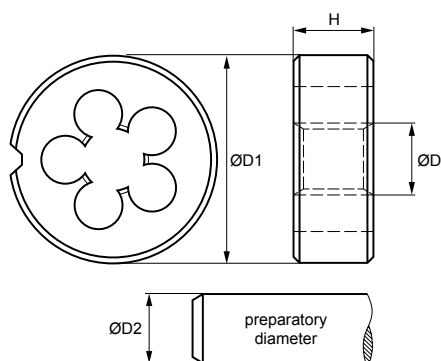
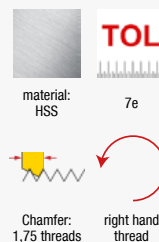
BSF

	D	D1	H	D2	No.	€
BSF 3/16 x 32	4,76	19	7	4,67	221501001	17,20
BSF 1/4 x 26	6,35	19	7	6,25	221501002	17,20
BSF 5/16 x 22	7,94	22	9	7,83	221501003	19,07
BSF 3/8 x 20	9,53	27	11	9,41	221501004	23,38
BSF 7/16 x 18	11,11	27	11	10,99	221501005	23,38
BSF 1/2 x 16	12,70	36	10	12,57	221501006	36,84
BSF 9/16 x 16	14,29	36	10	14,12	221501007	36,84
BSF 5/8 x 14	15,88	41	14	15,73	221501008	56,49
BSF 3/4 x 12	19,05	41	14	18,89	221501009	56,49
BSF 7/8 x 11	22,23	50	16	22,11	221501010	66,66
BSF 1" x 10	25,40	50	16	25,28	221501011	66,66

Round Dies for general use

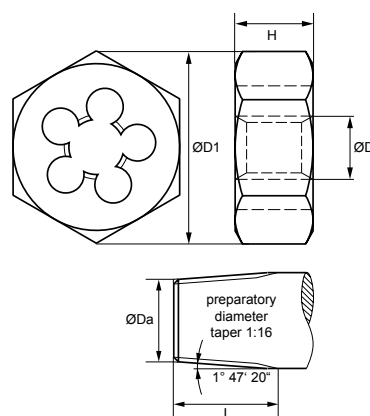
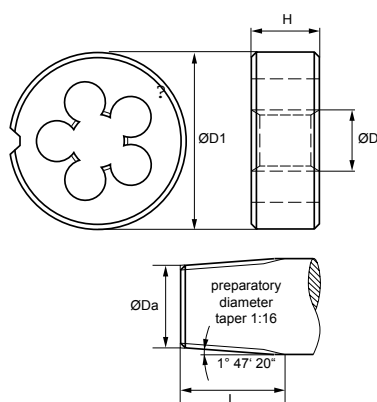
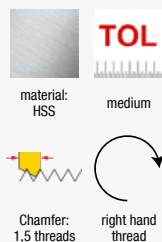


Round Dies for general use Left Hand

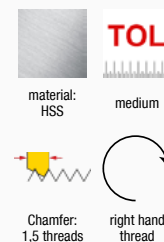

TR

	D1	H	D2	No.	€	No.	€
TR 10 x 2	38,0	14	9,91	231401001	116,39	231402001	265,70
TR 10 x 3	38,0	14	9,88	231401002	165,95	231402002	*
TR 12 x 2	38,0	14	11,91	231401003	165,95	231402003	*
TR 12 x 3	38,0	14	11,88	231401004	126,21	231402004	369,89
TR 14 x 2	38,0	14	13,91	231401005	165,95	231402005	*
TR 14 x 3	45,0	18	13,88	231401006	177,64	231402006	418,95
TR 14 x 4	45,0	18	13,85	231401007	196,63	231402007	335,16
TR 16 x 2	45,0	18	15,91	231401008	231,39	231402008	*
TR 16 x 4	45,0	18	15,85	231401009	161,86	231402009	379,82
TR 18 x 2	45,0	18	17,91	231401010	259,44	231402010	*
TR 18 x 4	45,0	18	17,85	231401011	163,61	231402011	379,82
TR 20 x 2	45,0	18	19,91	231401012	264,12	231402012	*
TR 20 x 4	55,0	22	19,85	231401013	212,70	231402013	419,51
TR 22 x 5	55,0	22	21,84	231401014	281,64	231402014	863,26
TR 24 x 5	65,0	25	23,84	231401015	281,64	231402015	601,97
TR 26 x 5	65,0	25	25,84	231401016	281,64	231402016	863,26
TR 28 x 5	65,0	25	27,84	231401017	301,51	231402017	986,74
TR 30 x 6	65,0	25	29,82	231401018	340,07	231402018	976,82

Round Dies for general use



Hexagon Die Nuts for general use


NPT

	D	D1	H	Da x L	No.	€
NPT 1/16 x 27	7,90	25	9	7,58 x 8,4	241401001	39,67
NPT 1/8 x 27	10,24	30	11	9,93 x 8,5	241401002	42,19
NPT 1/4 x 18	13,62	38	14	13,18 x 12,7	241401003	51,63
NPT 3/8 x 18	17,06	45	14	16,60 x 12,9	241401004	65,49
NPT 1/2 x 14	21,22	45	18	20,63 x 16,8	241401005	65,49
NPT 5/8 x 14	23,90	55	22		241401006	104,53
NPT 3/4 x 14	26,57	55	22	25,95 x 17,1	241401007	104,53
NPT 7/8 x 14	29,90	65	25		241401008	154,90
NPT 1" x 11,5	33,23	65	25	32,51 x 21,3	241401009	154,90
NPT 1.1/4 x 11,5	41,99	75	26	41,23 x 21,9	241401010	182,61
NPT 1.1/2 x 11,5	48,05	90	27	47,30 x 22,3	241401011	298,47
NPT 2" x 11,5	60,09	105	28	59,31 x 23,1	241401012	394,18

NPT

	D	D1	H	Da x L	No.	€
NPT 1/16 x 27	7,90	22	9	7,58 x 8,4	241501001	49,25
NPT 1/8 x 27	10,24	27	11	9,93 x 8,5	241501002	53,34
NPT 1/4 x 18	13,62	36	14	13,18 x 12,7	241501003	65,65
NPT 3/8 x 18	17,06	41	14	16,60 x 12,9	241501004	82,06
NPT 1/2 x 14	21,22	41	14	20,63 x 16,8	241501005	82,06
NPT 3/4 x 14	26,57	50	22	25,95 x 17,1	241501006	129,95
NPT 1" x 11,5	33,23	60	25	32,51 x 21,3	241501007	191,49
NPT 1.1/4 x 11,5	41,99	70	25	41,23 x 21,9	241501008	228,42
NPT 1.1/2 x 11,5	48,05	85	28	47,30 x 22,3	241501009	369,29
NPT 2" x 11,5	60,09	100	28	59,31 x 23,1	241501010	499,22

NPS

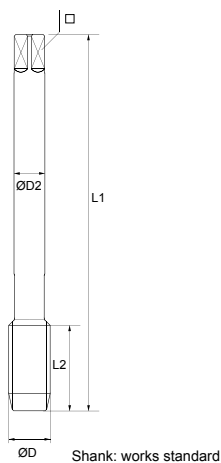
National standard straight pipe thread

Efficient internal thread cutting.

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

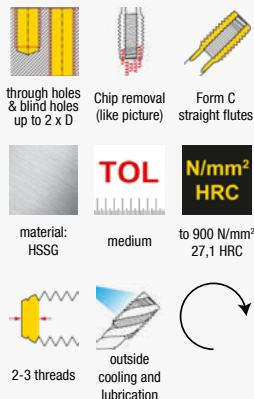
Application:

- non abrasive material up to 900 N/mm²
- unalloyed and low alloyed steel



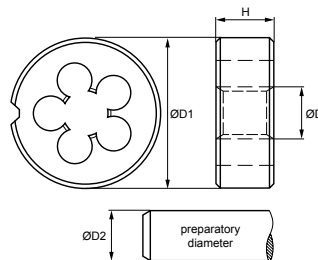
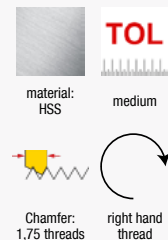
Short Machine Taps

Form C for through holes and blind holes



Round Dies

for general use



NPS

	D1	D2	L1	L2			No.	€
NPS 1/16 x 27	7,90	8,0	54	18	6,0	6,40	260101001	20,16
NPS 1/8 x 27	10,24	8,0	55	19	6,0	8,90	260101002	17,39
NPS 1/4 x 18	13,62	11,0	62	28	9,0	11,50	260101003	20,41
NPS 3/8 x 18	17,06	14,0	65	28	11,0	15,00	260101004	24,70
NPS 1/2 x 14	21,22	18,0	80	35	14,0	18,50	260101005	30,62
NPS 3/4 x 14	26,57	23,0	85	35	17,0	23,80	260101006	40,32
NPS 1" x 11,5	33,23	26,0	95	45	21,0	29,90	260101007	64,26
NPS 1,1/4 x 11,5	41,99	32,0	105	45	26,0	38,60	260101008	97,02
NPS 1,1/2 x 11,5	48,05	38,0	110	45	29,0	44,70	260101009	216,72
NPS 2" x 11,5	60,09	46,0	120	50	35,0	56,70	260101010	347,76

NPSM

	D	D1	H	D2	No.	€
NPSM 1/8 x 27	10,24	30	11	9,99	261401001	185,66
NPSM 1/4 x 18	13,62	38	10	13,25	261401002	194,04
NPSM 3/8 x 18	17,06	45	14	16,70	261401003	219,29
NPSM 1/2 x 14	21,22	45	14	20,78	261401004	209,48
NPSM 3/4 x 14	26,57	55	16	26,14	261401005	316,42
NPSM 1" x 11,5	33,23	65	18	32,69	261401006	1.035,30
NPSM 1.1/4 x 11,5	41,99	75	20	41,45	261401007	1.516,20

RC (BSPT)

Whitworth tapered pipe thread / DIN 2999

RP (BSPP)

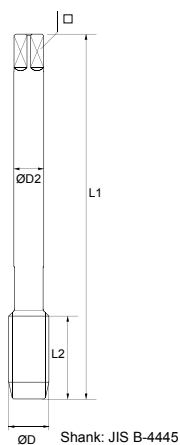
British standard whitworth pipe thread / ISO 7-1

Efficient internal thread cutting.

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

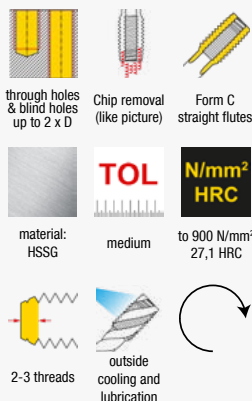
Application:

- ⚙ non abrasive material up to 900 N/mm²
- ⚙ unalloyed and low alloyed steel



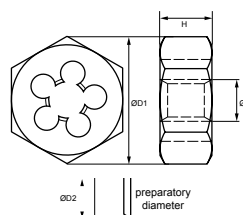
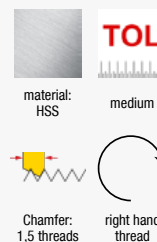
Short Machine Taps

Form C for through holes and blind holes



Hexagon Die Nuts

for general use



RC (BSPT)	D1	D2	L1	L2	□	✂	No.	€
RC 1/16 x 28	7,72	8,0	55	17,5	6,0	6,30		*
RC 1/8 x 28	9,73	8,0	55	19	6,0	8,30	270101001	9,24
RC 1/4 x 19	13,16	11,0	62	28	9,0	11,10	270101002	10,75
RC 3/8 x 19	16,66	14,0	65	28	11,0	14,50	270101003	16,96
RC 1/2 x 14	20,95	18,0	80	35	14,0	18,10	270101004	21,28
RC 3/4 x 14	26,44	23,0	85	35	17,0	23,50	270101005	31,22
RC 1" x 11	33,25	26,0	95	45	21,0	29,50	270101006	47,12
RC 1.1/4 x 11	41,91	32,0	105	45	26,0	38,25		*
RC 1.1/2 x 11	47,80	38,0	110	45	29,0	44,25		*
RC 2" x 11	59,61	46,0	120	50	35,0	56,00		*

R (BSPT)	D	D1	H	No.	€
R 1/8 x 28	9,73	27	11	271501001	49,12
R 1/4 x 19	13,16	36	14	271501002	60,45
R 3/8 x 19	16,66	41	15	271501003	75,56
R 1/2 x 14	20,95	50	19	271501004	75,56
R 3/4 x 14	26,44	60	20	271501005	119,64
R 1" x 11	33,25	60	25	271501006	176,31
R 1.1/4 x 11	41,91	85	26	271501007	210,31
R 1.1/2 x 11	47,80	85	26	271501008	340,03
R 2" x 11	59,61	100	31	271501009	459,67

RP (BSPP)	D1	D2	L1	L2	□	✂	No.	€
RP 1/16 x 28	7,72	8,0	55	18	6,0	6,55	280101001	8,66
RP 1/8 x 28	9,73	8,0	55	19	6,0	8,60	280101002	8,66
RP 1/4 x 19	13,16	11,0	62	28	9,0	11,50	280101003	10,64
RP 3/8 x 19	16,66	14,0	65	28	11,0	15,00	280101004	17,07
RP 1/2 x 14	20,95	18,0	80	35	14,0	18,50	280101005	26,25
RP 3/4 x 14	26,44	23,0	85	35	17,0	24,00	280101006	45,29
RP 1" x 11	33,25	26,0	95	45	21,0	30,25	280101007	59,06
RP 1.1/4 x 11	41,91	32,0	105	45	26,0	38,75	280101008	89,26
RP 1.1/2 x 11	47,80	38,0	110	45	29,0	44,75	280101009	123,36
RP 2" x 11	59,61	46,0	120	50	35,0	56,50	280101010	187,70

* on request

BA

British Association thread / BS 93

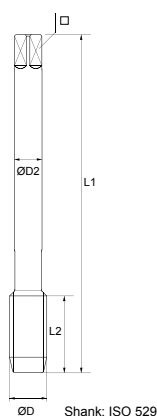
Efficient internal thread cutting.

The short structural type makes that tap usable by hand.

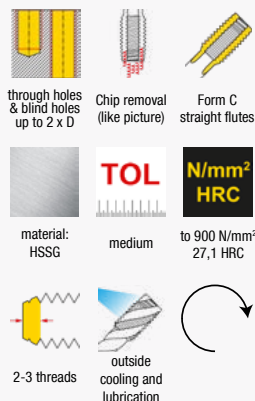
The Short-Machine-Tap is also usable by machine.

A Hand-Tap-Set includes 3 taps:

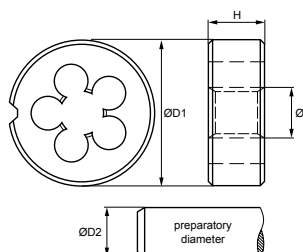
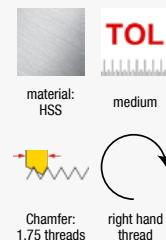
- Taper Tap
- Intermediate Tap
- Finish Tap



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

W

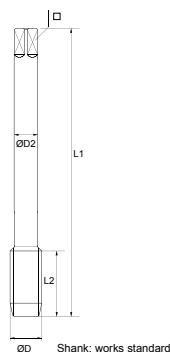
Tapered whitworth DIN 477 for screw sockets taper 3:25

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:

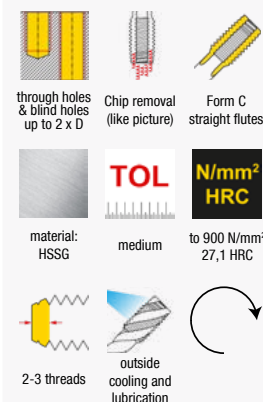
- Taper Tap
- Intermediate Tap
- Finish Tap



Short

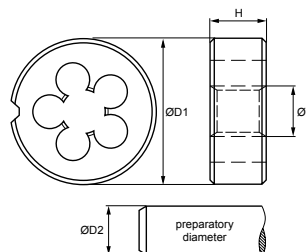
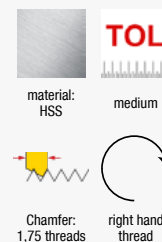
Machine Taps

Form C for through holes and blind holes



Round Dies

for general use



W

	D1	D2	L1	L2		No.	€
W 19,8 x 14 conical	19,80	16,0	90	32	12,0 14,70	300101001	178,83
W 28,8 x 14 conical	28,80	22,0	100	40	18,0 22,70	300101002	201,50
W 31,3 x 14 conical	31,30	22,0	110	40	18,0 25,20	300101003	231,72
W 21,8 x 14 cyl. - right	21,80	18,0	80	22	14,5 19,75	310101004	*
W 21,8 x 14 cyl. - left	21,80	18,0	80	22	14,5 19,75	310101005	*
W 24,32 x 14 cylindrical	24,32	18,0	90	22	14,5 22,25	310101006	*

W

	D	D1	H	D2	No.	€
W 19,8 x 14 conical	19,80	45	25	17,34	301401001	426,12
W 28,8 x 14 conical	28,80	65	30	25,74	301401002	609,68
W 21,8 x 14 cyl. - right	21,80	55	16	21,58	311401003	288,31
W 21,8 x 14 cyl. - left	21,80	55	16	21,58	311401004	317,52
W 24,32 x 14 cylindrical	24,32	55	16	24,10	311401005	388,08

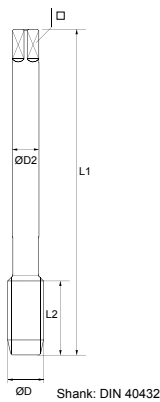
Efficient internal thread cutting.

The short structural type makes that tap usable by hand.

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

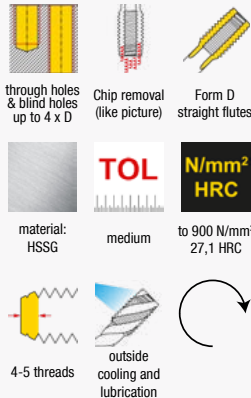
Application:

- ⚙ non abrasive material up to 900 N/mm²
- ⚙ unalloyed and low alloyed steel



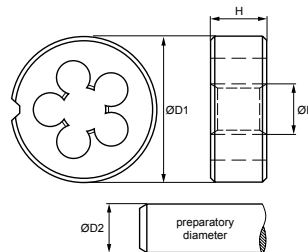
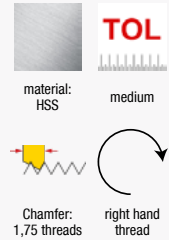
Short Machine Taps

Form D for through holes and blind holes



Round Dies

for general use



PG	D1	D2	L1	L2		No.	€
PG 7 x 20	12,50	9,0	70	22	7,0	320101001	12,27
PG 9 x 18	15,20	12,0	70	22	9,0	320101002	16,38
PG 11 x 18	18,60	14,0	80	22	11,0	320101003	27,02
PG 13,5 x 18	20,40	16,0	80	22	12,0	320101004	31,92
PG 16 x 18	22,50	18,0	80	22	14,5	320101005	38,70
PG 21 x 16	28,30	22,0	90	22	18,0	320101006	56,88
PG 29 x 16	37,00	28,0	100	25	22,0	320101007	94,45
PG 36 x 16	47,00	36,0	140	40	29,0	320101008	151,12
PG 42 x 16	54,00	40,0	140	40	32,0	320101009	239,28
PG 48 x 16	59,30	45,0	160	40	35,0	320101010	283,36

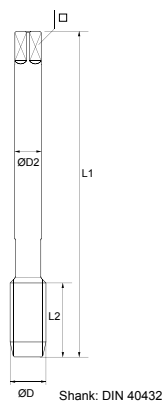
PG	D	D1	H	D2	No.	€
PG 7 x 20	12,50	38	10	12,50	321401001	49,12
PG 9 x 18	15,20	45	14	15,20	321401002	59,82
PG 11 x 18	18,60	45	14	18,60	321401003	59,82
PG 13,5 x 18	20,40	45	14	20,40	321401004	59,82
PG 16 x 18	22,50	55	16	22,50	321401005	70,52
PG 21 x 16	28,30	65	18	28,30	321401006	108,31
PG 29 x 16	37,00	65	18	37,00	321401007	108,31
PG 36 x 16	47,00	90	22	47,00	321401008	214,09
PG 42 x 16	54,00	105	22	54,00	321401009	272,86
PG 48 x 16	59,30	105	22	59,30	321401010	272,86

FG

Bicycle thread / DIN 79012

Tap for machine use in through hole and blind hole.

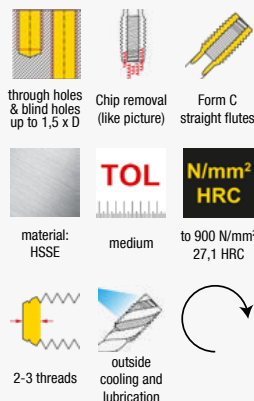
The short lead-in chamfer makes that tap universal in application. The flutes can hold the most part of the chips.


BSC

British bicycle thread / RS 811

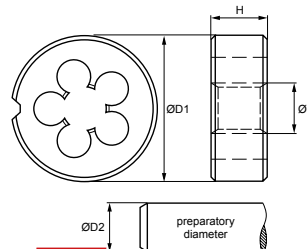
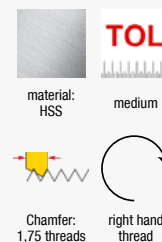
Short Machine Taps

Form C for through holes and blind holes



Round Dies

for general use


FG

	D1	D2	L1	L2		No.	€
FG 6,35 x 26	6,35	7,0	80	14	5,5 5,50	330501001	88,16
FG 7,9 x 26	7,90	8,0	90	16	6,2 7,00	330501002	94,45
FG 9,5 x 26	9,50	7,0	90	16	5,5 8,60	330501003	94,45
FG 14,3 x 20 right	14,30	11,0	100	22	9,0 13,10	330501004	100,75
FG 14,3 x 20 left	14,30	11,0	100	22	9,0 13,10	330501005	113,34
FG 25,4 x 24	25,40	14,0	110	22	11,0 24,50	330501006	163,72

BSC

BSC 1/4 x 26	6,35	6,0	56	14	4,9 5,55	340101001	88,16
BSC 5/16 x 26	7,94	6,0	63	16	4,9 7,10	340101002	94,45
BSC 3/8 x 26	9,53	7,0	63	16	5,5 8,65	340101003	100,75
BSC 9/16 x 20 right	14,29	11,0	70	22	9,0 13,15	340101004	100,75
BSC 9/16 x 20 left	14,29	11,0	70	22	9,0 13,15	340101005	113,34
BSC 1" x 24	25,40	14,0	70	22	11,0 24,50	340101006	163,72

FG

	D	D1	H	D2	No.	€
FG 6,35 x 26	6,35	20	7	6,24	331401001	45,34
FG 7,9 x 26	7,90	25	9	7,82	331401002	64,23
FG 9,5 x 26	9,50	30	11	9,40	331401003	89,42
FG 14,3 x 20 right	14,30	38	10	14,40	331401004	137,27
FG 14,3 x 20 left	14,30	38	10	14,40	331401005	164,98
FG 25,4 x 24	25,40	55	16	25,25	331401006	374,03

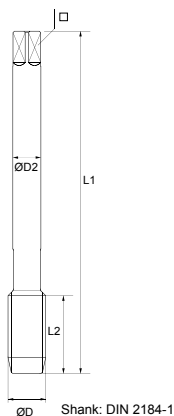
BSC

BSC 1/4 x 26	6,35	20,6	6,35	6,24	341401001	45,34
BSC 5/16 x 26	7,94	25,4	9,5	7,82	341401002	64,23
BSC 3/8 x 26	9,53	25,4	9,5	9,40	341401003	89,42
BSC 7/16 x 26	11,11	25,4	9,5	10,98	341401004	*
BSC 9/16 x 20 right	14,29	38,1	12,7	14,14	341401005	137,27
BSC 9/16 x 20 left	14,29	38,1	12,7	14,14	341401006	164,98
BSC 1" x 24	25,40	55	16	25,25	341401007	374,03

RD knuckle thread / DIN 405

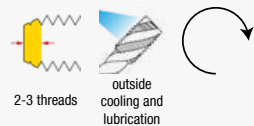
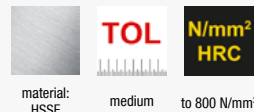
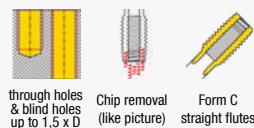
Tap for machine use in through hole and blind hole.

The short lead-in chamfer makes that tap universal in application. The flutes can hold the most part of the chips.

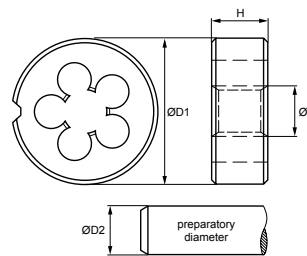
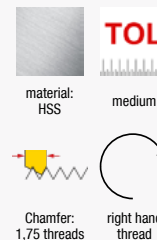


RMS Royal Microscopical Society / DIN 58888

Short Machine Taps Form C for through holes and blind holes



Round Dies for general use



RD	D1	D2	L1	L2		No.	€
Rd 8 x 1/10	8,25	6,0	90	26	4,9	350501001	92,56
Rd 9 x 1/10	9,25	7,0	90	26	5,5	350501002	92,56
Rd 10 x 1/10	10,25	7,0	100	28	5,5	350501003	92,56
Rd 11 x 1/10	11,25	8,0	100	28	6,2	350501004	113,34
Rd 12 x 1/10	12,25	9,0	110	28	7,0	350501005	125,94
Rd 14 x 1/8	14,32	11,0	110	32	9,0	350501006	158,68
Rd 16 x 1/8	16,32	12,0	110	32	9,0	350501007	166,24
Rd 18 x 1/8	18,32	14,0	125	32	11,0	350501008	198,98
Rd 20 x 1/8	20,32	16,0	140	32	12,0	350501009	198,98
Rd 22 x 1/8	22,32	18,0	140	32	14,5	350501010	258,17
Rd 24 x 1/8	24,32	18,0	160	34	14,5	350501011	311,06
Rd 26 x 1/8	26,32	20,0	160	36	16,0	350501012	363,96
Rd 28 x 1/8	28,32	20,0	160	36	16,0	350501013	390,40
Rd 30 x 1/8	30,32	22,0	180	36	18,0	350501014	410,55
Rd 32 x 1/8	32,82	25,0	180	36	20,0	350501015	549,08
Rd 34 x 1/8	34,32	28,0	200	36	22,0	350501016	623,39
Rd 36 x 1/8	36,32	28,0	200	36	22,0	350501017	628,42
Rd 38 x 1/8	38,32	28,0	200	38	22,0	350501018	727,91
Rd 40 x 1/6	40,42	32,0	200	50	24,0	350501019	860,15

RD	D	D1	H	D2	No.	€
Rd 10 x 1/10	10,25	38	14	9,84	351401001	341,78
Rd 11 x 1/10	11,25	38	14	10,84	351401002	341,78
Rd 12 x 1/10	12,25	38	14	11,84	351401003	341,78
Rd 14 x 1/8	14,32	45	18	13,82	351401004	385,88
Rd 16 x 1/8	16,32	45	18	15,82	351401005	385,88
Rd 18 x 1/8	18,32	45	18	17,82	351401006	385,88
Rd 20 x 1/8	20,32	55	22	19,82	351401007	529,20
Rd 22 x 1/8	22,32	55	22	21,82	351401008	529,20
Rd 24 x 1/8	24,32	55	22	23,82	351401009	529,20
Rd 26 x 1/8	26,32	65	25	25,82	351401010	663,71
Rd 28 x 1/8	28,32	65	25	27,82	351401011	663,71
Rd 30 x 1/8	30,32	65	25	29,82	351401012	663,71
Rd 32 x 1/8	32,82	65	25	31,82	351401013	663,71

RMS	D1	D2	L1	L2		No.	€
W 0,8 x 36	20,35	16,0	80	18	12,0	360501001	*

* on request

RMS	D	D1	H	D2	No.	€
W 0,8 x 36	20,35	45	14	20,00	361401002	*

* on request

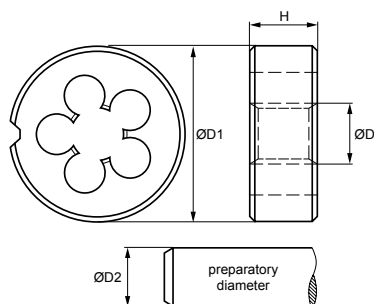
Round Dies for general use



material: HSS medium



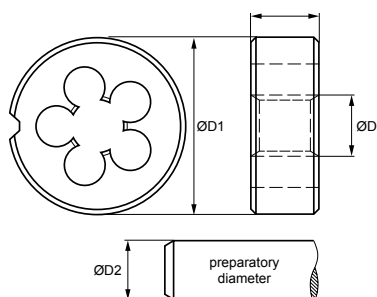
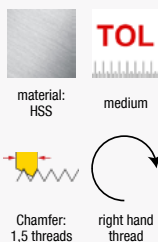
Chamfer: 1,75 threads right hand thread



Camera

	D	D1	H	D2	No.	€
Camera-Tripod 1/4"	6,35	20	7	6,22	381401001	39,47
Camera-Tripod 3/8"	9,53	20	7	9,37	381401002	52,92
C-Mount 1" x 32	25,40	55	16	25,25	381401003	285,00
S-Mount 12 x 0,5	12,00	38	10	11,92	381401004	105,12

Round Dies for general use


VG

	D	D1	H	D2	No.	€
VG 5 x 36	5,15	20	7	5,15	391401001	45,34
VG 5,2 x 24	5,23	20	7	5,23	391401002	45,34
VG 6 x 32	5,98	20	7	5,98	391401003	45,34
VG 8 x 32	7,68	25	9	9,60	391401004	64,23
VG 10 x 28	10,27	30	11	10,27	391401005	89,42
VG 12 x 26	12,17	30	11	12,17	391401006	89,42