



Machos de maquina rosca metrica curtos longos 6G 7G 4H

MACHOS MAQ.FUROS PASSANTES

HSSE-LONGOS

HSSE-6H-7H

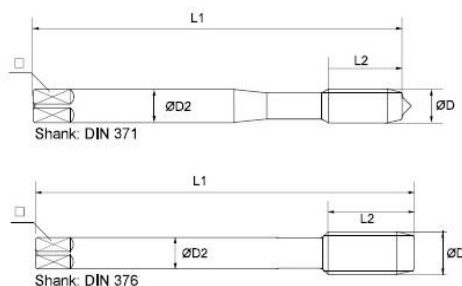
HSSE-4H

**M** Metric coarse thread ISO DIN 13

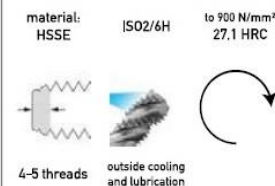
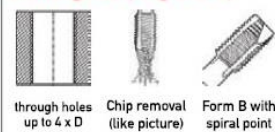
Machine Taps

Form B for through holes

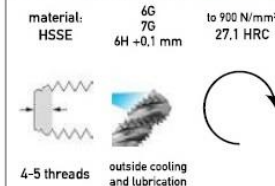
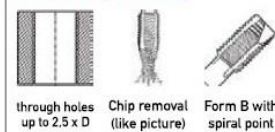
Tap for machine use in through hole. The spiral point pushes the chips ahead.



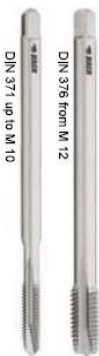
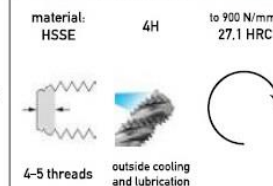
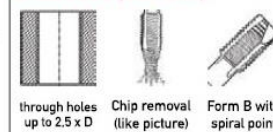
Machine Tap for general use overlengthed (long shank)



Machine Tap for general use oversized (diameter)



Machine Tap for general use undersized (diameter)



**M** D1 D2 L1 L2 □

No. € No. € No. €

M	D1	D2	L1	L2	□	Total length L1 = 100 mm		Tol. 6G: threads with large clearance		Tol. 4H: threads with small clearance		
						No.	€	No.	€	No.	€	
M 2 x 0,4	2,0	2,8	45	8	2,1	1,60			110420001	28,72		
M 2,5 x 0,45	2,5	2,8	50	9	2,1	2,05		110417001	11,55	110420002	27,94	
M 3 x 0,5	3,0	3,5	56	11	2,7	2,50	110414001	9,36	110417002	11,55	110420003	24,44
M 4 x 0,7	4,0	4,5	63	13	3,4	3,30	110414002	9,36	110417003	11,55	110420004	25,22
M 5 x 0,8	5,0	6,0	70	16	4,9	4,20	110414003	9,91	110417004	11,99	110420005	26,39
M 6 x 1,0	6,0	6,0	80	19	4,9	5,00	110414004	9,91	110417005	11,99	110420006	26,39
M 8 x 1,25	8,0	8,0	90	22	6,2	6,80	110414005	11,91	110417006	14,78	110420007	29,88
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	110414006	12,47	110417007	16,97	110420008	36,12
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	110414007	14,04	110417008	20,33	110420009	47,23
M 14 x 2,0	14,0	11,0	110	30	9,0	12,00			110417009	29,26	110420010	58,15
M 16 x 2,0	16,0	12,0	110	32	9,0	14,00			110417010	33,78	110420011	73,83
M 18 x 2,5	18,0	14,0	125	34	11,0	15,50			110417011	46,07		
M 20 x 2,5	20,0	16,0	140	34	12,0	17,50			110417012	64,50		
						Total length L1 = 120 mm		Tol. 7G: for disorted threads (heat treatment)				
M 3 x 0,5	3,0	3,5	56	11	2,7	2,50			110418001	14,10		
M 4 x 0,7	4,0	4,5	63	13	3,4	3,30	110415001	9,91	110418002	14,10		
M 5 x 0,8	5,0	6,0	70	16	4,9	4,20	110415002	10,80	110418003	15,15		
M 6 x 1,0	6,0	6,0	80	19	4,9	5,00	110415003	10,80	110418004	15,15		
M 8 x 1,25	8,0	8,0	90	22	6,2	6,80	110415004	12,59	110418005	19,52		
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	110415005	14,26	110418006	22,89		
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	110415006	16,60	110418007	24,70		
						Total length L1 = 150 mm		Tol. 6H +0,1 mm: for electroplating allowance				
M 3 x 0,5	3,0	3,5	56	11	2,7	2,50			110419001	14,10		
M 4 x 0,7	4,0	4,5	63	13	3,4	3,30	110416001	10,47	110419002	14,10		
M 5 x 0,8	5,0	6,0	70	16	4,9	4,20	110416002	11,58	110419003	15,15		
M 6 x 1,0	6,0	6,0	80	19	4,9	5,00	110416003	11,58	110419004	15,15		
M 8 x 1,25	8,0	8,0	90	22	6,2	6,80	110416004	14,15	110419005	19,52		
M 10 x 1,5	10,0	10,0	100	24	8,0	8,50	110416005	17,26	110419006	22,89		
M 12 x 1,75	12,0	9,0	110	29	7,0	10,20	110416006	20,27	110419007	24,87		

**MACHOS PARA FUROS CEGOS**

**HSSE-LONGOS**

**HSSE-6H-7H**

**HSSE-4H**

**M** Metric coarse thread  
ISO DIN 13

**Machine Taps**

**Form C (with spiral flutes)  
for blind holes**

Tap for machine use in blind holes.  
The fast spiral flutes provide good chip removal from the blind hole.

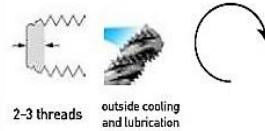
**Machine Tap  
for general use  
overlengthed (long shank)**



blind holes up to 3 x D  
Chip removal (like picture)  
Form C 35° spiral flute



material: HSSE  
ISO2/6H  
to 900 N/mm²  
27.1 HRC



2-3 threads  
outside cooling and lubrication

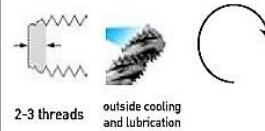
**Machine Tap  
for general use  
oversized (diameter)**



blind holes up to 3 x D  
Chip removal (like picture)  
Form C 35° spiral flute

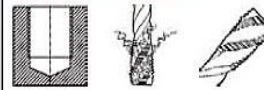


material: HSSE  
6G  
7G  
6H +0,1 mm  
to 900 N/mm²  
27.1 HRC



2-3 threads  
outside cooling and lubrication

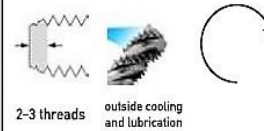
**Machine Tap  
for general use  
undersized (diameter)**



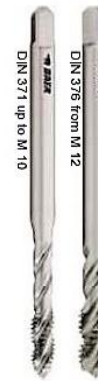
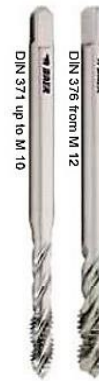
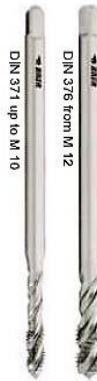
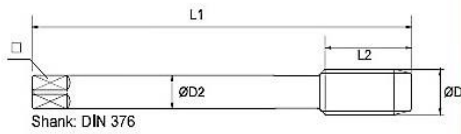
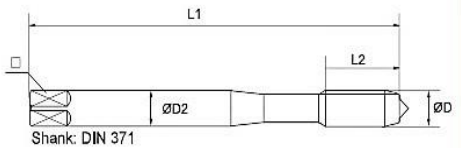
blind holes up to 3 x D  
Chip removal (like picture)  
Form C 35° spiral flute



material: HSSE  
4H  
to 900 N/mm²  
27.1 HRC



2-3 threads  
outside cooling and lubrication



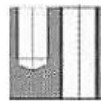
**M** D1 D2 L1 L2 □

No. € No. € No. €

M	D1	D2	L1	L2	□	Total length L1 = 100 mm		Tot. 6G: threads with large clearance		Tot. 4H: threads with small clearance		
						No.	€	No.	€	No.	€	
M 2 x 0,4	2,0	2,8	45	6	2,1	1,60				110620001	29,30	
M 2,5 x 0,45	2,5	2,8	50	6	2,1	2,05				110620002	28,19	
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	110614001	11,25	110617001	13,90	110620003	25,46
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	110614002	11,25	110617002	13,90	110620004	25,99
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	110614003	12,14	110617003	14,48	110620005	26,36
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	110614004	12,14	110617004	14,48	110620006	27,09
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	110614005	14,04	110617005	17,70	110620007	31,29
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	110614006	15,15	110617006	20,47	110620008	37,70
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	110614007	15,37	110617007	22,24	110620009	46,88
M 14 x 2,0	14,0	11,0	110	20	9,0	12,00			110617008	32,17		
M 16 x 2,0	16,0	12,0	110	22	9,0	14,00			110617009	33,64		
M 18 x 2,5	18,0	14,0	125	25	11,0	15,50			110617010	50,46		
M 20 x 2,5	20,0	16,0	140	25	12,0	17,50			110617011	70,20		
						Total length L1 = 120 mm		Tot. 7G: for disorted threads (heat treatment)				
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	110615001	11,69	110618001	14,19		
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	110615002	12,91	110618002	14,19		
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	110615003	12,91	110618003	15,21		
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	110615004	12,91	110618004	15,21		
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	110615005	14,82	110618005	19,60		
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	110615006	16,93	110618006	23,10		
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	110615006	17,93	110618007	24,86		
						Total length L1 = 150 mm		Tot. 6H +0,1 mm: for electroplating allowance				
M 3 x 0,5	3,0	3,5	56	6	2,7	2,50	110616001	12,14	110619001	14,19		
M 4 x 0,7	4,0	4,5	63	7	3,4	3,30	110616002	13,81	110619002	14,19		
M 5 x 0,8	5,0	6,0	70	8	4,9	4,20	110616003	13,81	110619003	15,21		
M 6 x 1,0	6,0	6,0	80	10	4,9	5,00	110616004	13,81	110619004	15,21		
M 8 x 1,25	8,0	8,0	90	14	6,2	6,80	110616005	16,37	110619005	19,60		
M 10 x 1,5	10,0	10,0	100	16	8,0	8,50	110616006	19,82	110619006	23,10		
M 12 x 1,75	12,0	9,0	110	18	7,0	10,20	110616006	21,49	110619007	24,86		

**MACHOS MAQUINA CURTOS HSS**

**M Short Machine Taps**  
Metric coarse thread  
ISO DIN 13



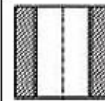
through holes & blind holes up to 2 x D



Chip removal (like picture)



Form D straight flutes



through holes up to 4 x D



Chip removal (like picture)



Form B with spiral point



material: HSSG



**TOL**

ISO2/6H



to 800 N/mm<sup>2</sup> 22.2 HRC



material: HSSG

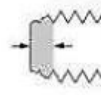


**TOL**

ISO2/6H



to 900 N/mm<sup>2</sup> 27.1 HRC



3-4 threads



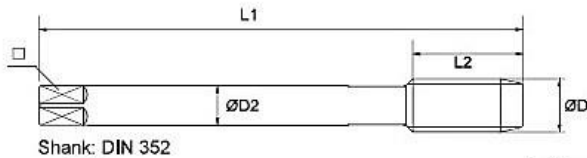
outside coating and lubrication



4-5 threads



outside coating and lubrication



Shank: DIN 352

<b>M</b>	<b>D1</b>	<b>D2</b>	<b>L1</b>	<b>L2</b>			<b>No.</b>	<b>€</b>	<b>No.</b>	<b>€</b>
M 2 x 0,4	2,0	2,8	36	8	2,1	1,60	110101001	7,14	110201001	7,26
M 2,5 x 0,45	2,5	2,8	40	9	2,1	2,05	110101002	7,14	110201002	7,26
M 3 x 0,5	3,0	3,5	40	11	2,7	2,50	110101003	3,85	110201003	4,10
M 3,5 x 0,6	3,5	4,0	45	13	3,0	2,90	110101004	4,24	110201004	4,50
M 4 x 0,7	4,0	4,5	45	13	3,4	3,30	110101005	3,85	110201005	4,10
M 5 x 0,8	5,0	6,0	50	16	4,9	4,20	110101006	3,96	110201006	4,21
M 6 x 1,0	6,0	6,0	50	19	4,9	5,00	110101007	4,29	110201007	4,56
M 8 x 1,25	8,0	6,0	56	22	4,9	6,80	110101008	5,49	110201008	5,38
M 10 x 1,5	10,0	7,0	70	24	5,5	8,50	110101009	6,42	110201009	6,44
M 12 x 1,75	12,0	9,0	75	29	7,0	10,20	110101010	9,07	110201010	9,12
M 14 x 2,0	14,0	11,0	80	30	9,0	12,00	110101011	11,15	110201011	11,11
M 16 x 2,0	16,0	12,0	80	32	9,0	14,00	110101012	15,25	110201012	15,20
M 18 x 2,5	18,0	14,0	95	40	11,0	15,50	110101013	19,25	110201013	18,71
M 20 x 2,5	20,0	16,0	95	40	12,0	17,50	110101014	21,12	110201014	20,58
M 22 x 2,5	22,0	18,0	100	40	14,5	19,50	110101015	29,46	110201015	29,23
M 24 x 3,0	24,0	18,0	110	50	14,5	21,00	110101016	34,65	110201016	32,75
M 27 x 3,0	27,0	20,0	110	50	16,0	24,00	110101017	44,75	110201017	45,02
M 30 x 3,5	30,0	22,0	125	56	18,0	26,50	110101018	62,70	110201018	59,64

**OUTRAS CONFIGURAÇÕES – FAVOR CONSULTAR**

**ON REQUEST ANY OTHER EXECUTION**