

Machos de maquina



TABLA DE SELECCIÓN DE HERRAMIENTAS

1-8

PAGINAS DE CÁLOGO

15-82

M	DIN-371 DIN-376	Machos de maquina de alto rendimiento	MASTER TAP 800X 800	15-22
	DIN-371 EL DIN-376 EL	Machos de maquina de alto rendimiento - extra long	800	23
	DIN-371 DIN-376	Machos de maquina de alto rendimiento	FAN-I200 I400 INOX GG GAL HRC60 S-NC	24-29
	DIN-352	Machos de máquina cortos		30
	NUT-TAP NGMf KOMBI BIT	Machos de maquina para tuercas Combinado broca-macho Machos de maquina - bits	NUT-TAP BIT KOMBI	31-34
MF	DIN-371 DIN-374	Machos de maquina de alto rendimiento	MASTER TAP 800X 800 FAN-I200 I400 INOX GG GAL S-NC	35-57
	DIN-2181	Machos de máquina cortos		52-54
	NUT-TAP NGMf	Machos de maquina para tuercas	NUT-TAP NGMf	55-57
UNC	DIN-371 DIN-376	Machos de maquina de alto rendimiento	MASTER TAP 800X 800	58-60
	DIN-352	Machos de máquina cortos		61
UNF	DIN-371 DIN-374	Machos de maquina de alto rendimiento	MASTER TAP 800X 800	62-64
	DIN-2181	Machos de máquina cortos		65
UNEf	~DIN-374	Machos de maquina de alto rendimiento	800X 800	66-67
G	DIN-5156	Machos de maquina de alto rendimiento	MASTER TAP 800X 800	68-70
	~DIN-5157	Machos de máquina cortos	Ms	71
	DIN-5157	Machos de máquina cortos		72
	NGRf	Machos de máquina cortos	NGRf	73
RP/RC	DIN-5156	Machos de maquina de alto rendimiento	800	74
	~DIN-5156	Machos de maquina de alto rendimiento	800	74
NPT	~DIN-371 ~DIN-374	Machos de maquina de alto rendimiento	800	75
NPTF	~DIN-374	Machos de maquina de alto rendimiento	800	76
NPSF	~DIN-5156	Machos de maquina de alto rendimiento	800	77
BSW	DIN-371 DIN-376	Machos de maquina de alto rendimiento	800	78
EG ^M _{STI}	~DIN-371 ~DIN-376	Machos de maquina de alto rendimiento	MASTER TAP	79
EG ^{UNC} _{STI}	~DIN-371 ~DIN-376	Machos de maquina de alto rendimiento	MASTER TAP	80
EG ^{UNF} _{STI}	~DIN-371 ~DIN-376	Machos de maquina de alto rendimiento	MASTER TAP	81
TR	NGSt	Machos de máquina cortos	NGSt	82

Rosca métrica ISO DIN-13									MASTER TAP												
									B-HL	B-IKR-HL	C-R45-HL	C-R45-IK-HL	E-R45-HL	E-R45-IK-HL							
60° P HSSE PM HL DIN 371																					
Material									P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H							
Tipo de agujero																					
Calidad de material									HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM							
Recubrimiento									HL	HL	HL	HL	HL	HL							
Chafilán									B / 4-5P	B / 4-5P	C / 2-3P	C / 2-3P	E / 1,5-2P	E / 1,5-2P							
M Ød ₁	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-371												
								Tol.	ISO1(4H)		ISO1(4H)										
								indice	C4-118M02		C4-528M02										
M1	0,25	40	6	13	2,5	2,1	0,75	0010	●		●										
M1,1	0,25	40	6	13	2,5	2,1	0,85	0011	●		●										
M1,2	0,25	40	6	13	2,5	2,1	0,95	0012	●		●										
M1,4	0,30	40	8	13	2,5	2,1	1,10	0014	●		●										
M Ød ₁	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-371												
								Tol.	ISO2 (6H)		ISO2 (6H)										
								indice	C4-118M01		C4-528M01										
M1,6	0,35	40	8	13	2,5	2,1	1,25	0016	●		●										
M1,7	0,35	40	8	13	2,5	2,1	1,35	0017	●		●										
M1,8	0,35	40	8	13	2,5	2,1	1,45	0018	●		●										
M2	0,40	45	10	13	2,8	2,1	1,60	0020	●		●										
M2,2	0,45	45	10	13	2,8	2,1	1,75	0022	●		●										
M2,3	0,40	45	10	13	2,8	2,1	1,90	0023	●		●										
M2,5	0,45	50	9	14	2,8	2,1	2,05	0025	●		●										
M2,6	0,45	50	9	14	2,8	2,1	2,15	0026	●		●										
M Ød ₁	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-371												
								Tol.	6HX	6HX	6HX	6HX	6HX	6HX							
								indice	C4-118M01	C4-118M61	C4-528M01	C4-528M51	C4-718M01	C4-718M51							
M3	0,50	56	5	18	3,5	2,7	2,50	0030	●	-	●	-	●	-							
M3,5	0,60	56	6	20	4,0	3,0	2,90	0035	●	-	●	-	●	-							
M4	0,70	63	7	21	4,5	3,4	3,30	0040	●	-	●	-	●	-							
M4,5	0,75	70	7,5	25	6,0	4,9	3,80	0045	●	-	●	-	●	-							
M5	0,80	70	8	25	6,0	4,9	4,20	0050	●	●	●	●	●	○							
M6	1,00	80	10	30	6,0	4,9	5,00	0060	●	●	●	●	●	○							
M7	1,00	80	10	30	7,0	5,5	6,00	0070	●	○	○	○	○	○							
M8	1,25	90	13	35	8,0	6,2	6,80	0080	●	●	●	●	●	○							
M9	1,25	90	13	35	9,0	7,0	7,80	0090	○	○	○	○	○	○							
M10	1,50	100	15	39	10,0	8,0	8,50	0100	●	●	●	●	●	○							

● Disponible en almacén

○ Bajo pedido

Ejemplo de pedido

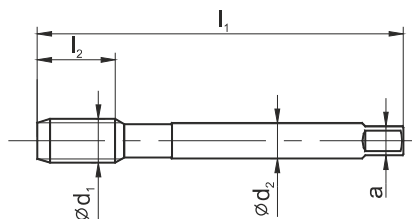
C4-118M01-0100
MasterTAP M10-6HX DIN-371 B HSSE-PM HL


MASTER TAP

Rosca métrica ISO DIN-13

HSSE
PM

HL

DIN
376

MASTER TAP

									B-HL	B-IKR-HL	C-R45-HL	C-R45-IK-HL	E-R45-HL	E-R45-IK-HL
Material														
Tipo de agujero														
Calidad de material									HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
Recubrimiento									HL	HL	HL	HL	HL	HL
Chafilán									B / 4-5P	B / 4-5P	C / 2-3P	C / 2-3P	E / 1,5-2P	E / 1,5-2P
M Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-376					
									Tol.	6HX	6HX	6HX	6HX	6HX
									Indice	D4-118M01	D4-118M61	D4-528M01	D4-528M51	D4-718M01
M8	1,25	90	15	-	6,0	4,9	6,80	0080	●	○	●	○	○	○
M10	1,50	100	17	-	7,0	5,5	8,50	0100	●	○	●	○	○	○
M12	1,75	110	18	-	9,0	7,0	10,20	0120	●	●	●	●	●	○
M14	2,00	110	20	-	11,0	9,0	12,00	0140	●	●	●	●	●	○
M16	2,00	110	20	-	12,0	9,0	14,00	0160	●	●	●	●	●	○
M18	2,50	125	25	-	14,0	11,0	15,50	0180	●	○	●	○	○	○
M20	2,50	140	25	-	16,0	12,0	17,50	0200	●	○	●	○	○	○
M22	2,50	140	25	-	18,0	14,5	19,50	0220	●	○	●	○	○	○
M24	3,00	160	30	-	18,0	14,5	21,00	0240	●	○	●	○	○	○
M27	3,00	160	30	-	20,0	16,0	24,00	0270	●	○	●	○	○	○
M30	3,50	180	35	-	22,0	18,0	26,50	0300	●	○	●	○	○	○
M33	3,50	180	35	-	25,0	20,0	29,50	0330	●	○	●	○	○	○
M36	4,00	200	40	-	28,0	22,0	32,00	0360	●	○	●	○	○	○
									Vc (m/min)					
ISO									P	5-40	5-50	5-40	5-50	5-40
									M	5-15	5-25	5-15	5-25	5-15
									K	10-30	10-50	10-30	10-50	10-30
									N	10-30	10-50	10-30	10-50	10-30
									S	1-8	1-8	1-8	1-8	1-8

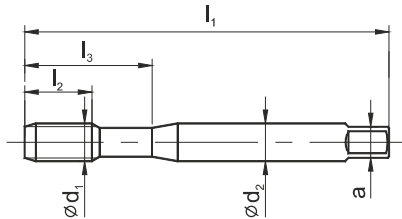
Rosca métrica ISO DIN-13



HSSE

TN2

DIN 371



800X

C-TN2

B-TN2

C-R40-TN2



Material

P M K
N S H

P M K
N S H

P M K
N S H

Tipo de agujero



< 1,5d



< 3d



< 2,5d

Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

TN2

TN2

TN2

Chafilán

C / 2-3P

B / 4-5P

C / 2-3P

M Ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-371						
										Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)			
										Indice	C2-123X01	C2-113X01	C2-513X01			
M 3	0,50	56	10	5	18	3,5	2,7	2,50	0030	•	•	•				
M 3,5	0,60	56	12	6	20	4,0	3,0	2,90	0035	•	•	•				
M 4	0,70	63	12	7	21	4,5	3,4	3,30	0040	•	•	•				
M 4,5	0,75	70	14	7,5	25	6,0	4,9	3,80	0045	•	•	•				
M 5	0,80	70	14	8	25	6,0	4,9	4,20	0050	•	•	•				
M 6	1,00	80	18	10	30	6,0	4,9	5,00	0060	•	•	•				
M 7	1,00	80	18	10	30	7,0	5,5	6,00	0070	•	•	•				
M 8	1,25	90	20	13	35	8,0	6,2	6,80	0080	•	•	•				
M 9	1,25	90	20	13	35	9,0	7,0	7,80	0090	•	•	•				
M10	1,50	100	20	15	39	10,0	8,0	8,50	0100	•	•	•				

ISO	Vc (m/min)						
P	5-35	5-35	5-35				
M	5-15	5-15	5-15				
K	5-25	5-25	10-25				
N	10-30	10-30	10-30				
S	-	-	-				

1



800X

Ejemplo de pedido

C2-123X01-0030

Machos 800X M3-6H DIN-371 C HSSE TN2

● Disponible en almacén

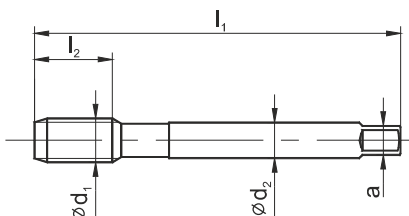
○ Bajo demanda

Rosca métrica ISO DIN-13



HSSE

TN2

DIN
376

800X

C-TN2

B-TN2

C-R40-TN2



Material

P	M	K
N	S	H

P	M	K
N	S	H

P	M	K
N	S	H

Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

TN2

TN2

TN2

Chafilán

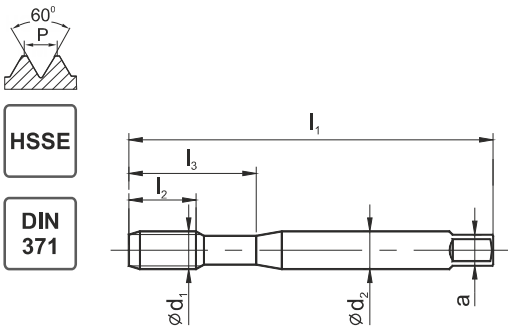
C / 2-3P

B / 4-5P

C / 2-3P

M Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-376						
									Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)				
									indice	D2-123X01	D2-113X01	D2-513X01				
M3	0,50	56	11	5	-	2,2	1,8	2,50	0030	o	o	o				
M4	0,70	63	12	8	-	2,8	2,1	3,30	0040	•	•	•				
M5	0,80	70	14	10	-	3,5	2,7	4,20	0050	•	•	•				
M6	1,00	80	18	12	-	4,5	3,4	5,00	0060	•	•	•				
M8	1,25	90	20	15	-	6,0	4,9	6,80	0080	•	•	•				
M10	1,50	100	20	17	-	7,0	5,5	8,50	0100	•	•	•				
M12	1,75	110	24	18	-	9,0	7,0	10,20	0120	•	•	•				
M14	2,00	110	25	20	-	11,0	9,0	12,00	0140	•	•	•				
M16	2,00	110	32	20	-	12,0	9,0	14,00	0160	•	•	•				
M18	2,50	125	32	25	-	14,0	11,0	15,50	0180	•	•	•				
M20	2,50	140	32	25	-	16,0	12,0	17,50	0200	•	•	•				
M22	2,50	140	32	25	-	18,0	14,5	19,50	0220	•	•	•				
M24	3,00	160	38	30	-	18,0	14,5	21,00	0240	•	•	•				
M27	3,00	160	38	30	-	20,0	16,0	24,00	0270	•	•	•				
M30	3,50	180	40	35	-	22,0	18,0	26,50	0300	•	•	•				
M33	3,50	180	45	35	-	25,0	20,0	29,50	0330	•	•	•				
M36	4,00	200	50	40	-	28,0	22,0	32,00	0360	•	•	•				
M39	4,00	200	55	40	-	32,0	24,0	35,00	0390	•	•	•				
M42	4,50	200	60	45	-	32,0	24,0	37,50	0420	•	•	•				
M45	4,50	220	60	45	-	36,0	29,0	40,50	0450	o	o	o				
M48	5,00	250	65	50	-	36,0	29,0	43,00	0480	o	o	o				
M52	5,00	250	65	50	-	40,0	32,0	47,00	0520	o	o	o				

ISO	Vc (m/min)						
P	5-35	5-35	5-35				
M	5-15	5-15	5-15				
K	5-25	5-25	10-25				
N	10-30	10-30	10-30				
S	-	-	-				

Rosca métrica ISO DIN-13										800					
 HSSE DIN 371										C	C-LH	B	B-LH	B	B
															
Material										P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H
Tipo de agujero															
Calidad de material										HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
Recubrimiento															
Chafilán										C / 2-3P	C / 2-3P	B / 4-5P	B / 4-5P	B / 4-5P	B / 4-5P
M Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-371					
										ISO1(4H)		ISO1(4H)			
										indice	C4-121102		C4-111102		
M1	0,25	40	6	-	13	2,5	2,1	0,75	0010	●		●			
M1,1	0,25	40	6	-	13	2,5	2,1	0,85	0011	●		●			
M1,2	0,25	40	6	-	13	2,5	2,1	0,95	0012	●		●			
M1,4	0,30	40	7	-	13	2,5	2,1	1,10	0014	●		●			
M Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-371					
										ISO2 (6H)		ISO2 (6H)			
										indice	C4-121101		C4-111101		
M1,6	0,35	40	8	-	13	2,5	2,1	1,25	0016	●		●			
M1,7	0,35	40	8	-	13	2,5	2,1	1,35	0017	●		●			
M1,8	0,35	40	8	-	13	2,5	2,1	1,45	0018	●		●			
M2	0,40	45	10	-	13	2,8	2,1	1,60	0020	●		●			
M2,2	0,45	45	10	-	13	2,8	2,1	1,75	0022	●		●			
M2,3	0,40	45	10	-	13	2,8	2,1	1,90	0023	●		●			
M2,5	0,45	50	9	-	14	2,8	2,1	2,05	0025	●		●			
M2,6	0,45	50	9	-	14	2,8	2,1	2,15	0026	●		●			
M Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-371					
										ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO3 (6G)	7G
										indice	C2-121101	C2-221101	C2-111101	C2-211101	C2-111103
M3	0,50	56	10	-	18	3,5	2,7	2,50	0030	●	●	●	●	●	○
M3,5	0,60	56	12	-	20	4,0	3,0	2,90	0035	●	○	●	○	○	○
M4	0,70	63	12	-	21	4,5	3,4	3,30	0040	●	●	●	●	●	○
M4,5	0,75	70	14	-	25	6,0	4,9	3,80	0045	●	○	●	○	○	○
M5	0,80	70	14	-	25	6,0	4,9	4,20	0050	●	●	●	●	●	○
M6	1,00	80	18	-	30	6,0	4,9	5,00	0060	●	●	●	●	●	○
M7	1,00	80	18	-	30	7,0	5,5	6,00	0070	●	○	●	○	○	○
M8	1,25	90	20	-	35	8,0	6,2	6,80	0080	●	●	●	●	●	○
M9	1,25	90	20	-	35	9,0	7,0	7,80	0090	●	○	●	○	○	○
M10	1,50	100	20	-	39	10,0	8,0	8,50	0100	●	●	●	●	●	○
										Vc (m/min)					
										ISO	P	M	K	N	S
											5-20	-	5-15	5-25	-
											5-20	-	5-15	5-25	-
											5-20	-	5-15	5-25	-
											5-20	-	5-15	5-25	-
											5-20	-	5-15	5-25	-

● Disponible en almacén
○ Bajo pedido

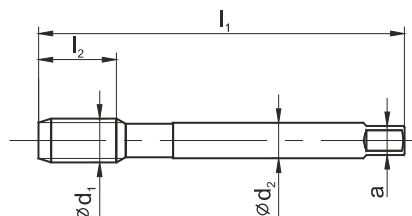
Ejemplo de pedido
C4-121101-0100
Machos 800 M10-6H DIN-371 C HSSE

Rosca métrica ISO DIN-13



HSSE

DIN 376



800

C

C-LH

B

B-LH

B

B



LH

LH

6G

7G

Material

P

M

K

N

S

H

P

M

K

N

S

H

P

M

K

N

S

H

P

M

K

N

S

H

P

M

K

N

S

H

P

M

K

N

S

H

Tipo de agujero

< 1,5d

< 1,5d

< 3d

< 3d

< 3d

< 3d

Calidad de material

HSSE

HSSE

HSSE

HSSE

HSSE

HSSE

Recubrimiento

Chafán

C / 2-3P

C / 2-3P

B / 4-5P

B / 4-5P

B / 4-5P

B / 4-5P

M Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-376						
									Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO3 (6G)	7G	
									indice	D2-121101	D2-221101	D2-111101	D2-211101	D2-111103	D2-111104	
M3	0,50	56	11	-	-	2,2	1,8	2,50	0030	●	○	●	○	○	○	
M4	0,70	63	12	-	-	2,8	2,1	3,30	0040	●	○	●	○	○	○	
M5	0,80	70	14	-	-	3,5	2,7	4,20	0050	●	○	●	○	○	○	
M6	1,00	80	18	-	-	4,5	3,4	5,00	0060	●	○	●	○	○	○	
M8	1,25	90	20	-	-	6,0	4,9	6,80	0080	●	○	●	○	○	○	
M10	1,50	100	20	-	-	7,0	5,5	8,50	0100	●	○	●	○	○	○	
M12	1,75	110	24	-	-	9,0	7,0	10,20	0120	●	●	●	●	●	○	
M14	2,00	110	25	-	-	11,0	9,0	12,00	0140	●	○	●	○	○	○	
M16	2,00	110	32	-	-	12,0	9,0	14,00	0160	●	●	●	●	●	○	
M18	2,50	125	32	-	-	14,0	11,0	15,50	0180	●	○	●	○	○	○	
M20	2,50	140	32	-	-	16,0	12,0	17,50	0200	●	●	●	●	●	○	
M22	2,50	140	32	-	-	18,0	14,5	19,50	0220	●	○	●	○	○	○	
M24	3,00	160	38	-	-	18,0	14,5	21,00	0240	●	●	●	●	○	○	
M27	3,00	160	38	-	-	20,0	16,0	24,00	0270	●	○	●	○	○	○	
M30	3,50	180	40	-	-	22,0	18,0	26,50	0300	●	○	●	○	○	○	
M33	3,50	180	45	-	-	25,0	20,0	29,50	0330	●	○	●	○	○	○	
M36	4,00	200	50	-	-	28,0	22,0	32,00	0360	●	○	●	○	○	○	
M39	4,00	200	55	-	-	32,0	24,0	35,00	0390	●	○	●	○	○	○	
M42	4,50	200	60	-	-	32,0	24,0	37,50	0420	●	○	●	○	○	○	
M45	4,50	220	60	-	-	36,0	29,0	40,50	0450	●	○	●	○	○	○	
M48	5,00	250	65	-	-	36,0	29,0	43,00	0480	●	○	●	○	○	○	
M52	5,00	250	65	-	-	40,0	32,0	47,00	0520	●	○	●	○	○	○	

ISO	Vc (m/min)					
P	5-35	5-20	5-20	5-20	5-20	5-20
M	-	-	-	-	-	-
K	10-25	5-15	5-15	5-15	5-15	5-15
N	10-35	5-25	5-25	5-25	5-25	5-25
S	-	-	-	-	-	-

Rosca métrica ISO DIN-13										800						
										C-R40	C-LH-L40	C-R40	C-R40			
Material																
Tipo de agujero																
Calidad de material										HSSE	HSSE	HSSE	HSSE			
Recubrimiento																
Chafilán										C / 2-3P	C / 2-3P	C / 2-3P	C / 2-3P			
M	Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-371					
										Tol.	ISO1(4H)					
										índice	C4-511102					
M1	0,25	40	-	6	13	2,5	2,1	0,75		0010	●					
M1,1	0,25	40	-	6	13	2,5	2,1	0,85		0011	●					
M1,2	0,25	40	-	6	13	2,5	2,1	0,95		0012	●					
M1,4	0,30	40	-	8	13	2,5	2,1	1,10		0014	●					
M	Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-371					
										Tol.	ISO2 (6H)					
										índice	C4-511101					
M1,6	0,35	40	-	8	13	2,5	2,1	1,25		0016	●					
M1,7	0,35	40	-	8	13	2,5	2,1	1,35		0017	●					
M1,8	0,35	40	-	8	13	2,5	2,1	1,45		0018	●					
M2	0,40	45	-	10	13	2,8	2,1	1,60		0020	●					
M2,2	0,45	45	-	10	13	2,8	2,1	1,75		0022	●					
M2,3	0,40	45	-	10	13	2,8	2,1	1,90		0023	●					
M2,5	0,45	50	-	5	14	2,8	2,1	2,05		0025	●					
M2,6	0,45	50	-	5	14	2,8	2,1	2,15		0026	●					
M	Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-371					
										Tol.	C2-511101	C2-591101	C2-511103	C2-511104		
										índice	ISO2 (6H)	ISO2 (6H)	ISO3 (6G)	7G		
M3	0,50	56	-	5	18	3,5	2,7	2,50		0030	●	●	●	○		
M3,5	0,60	56	-	6	20	4,0	3,0	2,90		0035	●	○	○	○		
M4	0,70	63	-	7	21	4,5	3,4	3,30		0040	●	●	●	○		
M4,5	0,75	70	-	7,5	25	6,0	4,9	3,80		0045	●	○	○	○		
M5	0,80	70	-	8	25	6,0	4,9	4,20		0050	●	●	●	○		
M6	1,00	80	-	10	30	6,0	4,9	5,00		0060	●	●	●	○		
M7	1,00	80	-	10	30	7,0	5,5	6,00		0070	●	○	○	○		
M8	1,25	90	-	13	35	8,0	6,2	6,80		0080	●	●	●	○		
M9	1,25	90	-	13	35	9,0	7,0	7,80		0090	●	○	○	○		
M10	1,50	100	-	15	39	10,0	8,0	8,50		0100	●	●	●	○		
● Disponible en almacén ○ Bajo pedido										ISO Vc (m/min)						
										P	5-20	5-20	5-20	5-20		
										M	-	-	-	-		
										K	5-15	5-15	5-15	5-15		
										N	5-25	5-25	5-25	5-25		
										S	-	-	-	-		

Ejemplo de pedido

C4-511102-0010

Machos 800 M1-4H DIN-371 C R40 HSSE-PM

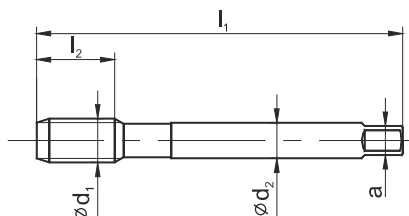
1

Rosca métrica ISO DIN-13



HSSE

DIN 376



800

C-R40

C-LH-L40

C-R40

C-R40



LH

6G

7G

Material

P M K
N S HP M K
N S HP M K
N S HP M K
N S H

Tipo de agujero



< 2,5d

< 2,5d

< 2,5d

< 2,5d

Calidad de material

HSSE

HSSE

HSSE

HSSE

Recubrimiento

Chafilán

C / 2-3P

C / 2-3P

C / 2-3P

C / 2-3P

M Ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-376						
										ISO2 (6H)	ISO2 (6H)	ISO3 (6G)	7G			
										Tol.	indice	D2-511101	D2-591101	D2-511103	D2-511104	
M3	0,50	56	-	5	-	2,2	1,8	2,50	0030	●	○	○	○			
M4	0,70	63	-	8	-	2,8	2,1	3,30	0040	●	○	○	○			
M5	0,80	70	-	10	-	3,5	2,7	4,20	0050	●	○	○	○			
M6	1,00	80	-	12	-	4,5	3,4	5,00	0060	●	○	○	○			
M8	1,25	90	-	15	-	6,0	4,9	6,80	0080	●	○	○	○			
M10	1,50	100	-	17	-	7,0	5,5	8,50	0100	●	○	○	○			
M12	1,75	110	-	18	-	9,0	7,0	10,20	0120	●	●	●	○			
M14	2,00	110	-	20	-	11,0	9,0	12,00	0140	●	○	○	○			
M16	2,00	110	-	20	-	12,0	9,0	14,00	0160	●	●	●	○			
M18	2,50	125	-	25	-	14,0	11,0	15,50	0180	●	○	○	○			
M20	2,50	140	-	25	-	16,0	12,0	17,50	0200	●	●	●	○			
M22	2,50	140	-	25	-	18,0	14,5	19,50	0220	●	○	○	○			
M24	3,00	160	-	30	-	18,0	14,5	21,00	0240	●	●	○	○			
M27	3,00	160	-	30	-	20,0	16,0	24,00	0270	●	○	○	○			
M30	3,50	180	-	35	-	22,0	18,0	26,50	0300	●	○	○	○			
M33	3,50	180	-	35	-	25,0	20,0	29,50	0330	●	○	○	○			
M36	4,00	200	-	40	-	28,0	22,0	32,00	0360	●	○	○	○			
M39	4,00	200	-	40	-	32,0	24,0	35,00	0390	●	○	○	○			
M42	4,50	200	-	45	-	32,0	24,0	37,50	0420	●	○	○	○			
M45	4,50	220	-	45	-	36,0	29,0	40,50	0450	●	○	○	○			
M48	5,00	250	-	50	-	36,0	29,0	43,00	0480	●	○	○	○			
M52	5,00	250	-	50	-	40,0	32,0	47,00	0520	●	○	○	○			

ISO	Vc (m/min)						
P	5-20	5-20	5-20	5-20			
M	-	-	-	-			
K	5-15	5-15	5-15	5-15			
N	5-25	5-25	5-25	5-25			
S	-	-	-	-			

Rosca métrica ISO DIN-13										800						
										B	C-R40					
60° P HSSE DIN 371-EL DIN 376-EL l_1 l_3 l_2 $\varnothing d_1$ $\varnothing d_2$ a l_1 l_2 $\varnothing d_1$ $\varnothing d_2$ a										2x L1 	2x L1 					
Material										P M K N S H	P M K N S H					
Tipo de agujero										 < 3d	 < 2,5d					
Calidad de material										HSSE	HSSE					
Recubrimiento																
Chafilán										B / 4-5P	C / 2-3P					
M $\varnothing d_1$	P	l_1	l_2	l_{R40}	l_3	$\varnothing d_2$	a		Norm	DIN-371-EL						
									Tol.	ISO2 (6H)	ISO2 (6H)					
									índice	C2-111121	C2-511121					
M3	0,50	100	10	5	18	3,5	2,7	2,50	0030	●	●					
M3,5	0,60	100	12	6	20	4,0	3,0	2,90	0035	○	○					
M4	0,70	125	12	7	21	4,5	3,4	3,30	0040	●	●					
M4,5	0,75	140	14	7,5	25	6,0	4,9	3,80	0045							
M5	0,80	140	14	8	25	6,0	4,9	4,20	0050	●	●					
M6	1,00	160	18	10	30	6,0	4,9	5,00	0060	●	●					

M $\varnothing d_1$	P	l_1	l_2	l_{R40}	l_3	$\varnothing d_2$	a		Norma	DIN-376-EL						
									Tol.							
									índice	D2-111121	D2-511121					
M8	1,25	180	20	15	-	6,0	4,9	6,80	0080	●	●					
M10	1,50	200	20	17	-	7,0	5,5	8,50	0100	●	●					
M12	1,75	220	24	18	-	9,0	7,0	10,20	0120	●	●					
M14	2,00	220	25	20	-	11,0	9,0	12,00	0140	○	○					
M16	2,00	220	32	20	-	12,0	9,0	14,00	0160	●	●					
M20	2,50	250	-	25	-	16,0	12,0	17,50	0200	○	○					

ISO	Vc (m/min)					
P	5-20	5-20				
M	-	-				
K	5-15	5-15				
N	5-25	5-25				
S	-	-				

1

Rosca métrica ISO DIN-13									FAN-1200		I400				
									B-TC	C-R40-TC	C-TC	B-TC	C-R15-TC		
60° P HSSE PM TC DIN 371 DIN 376 <															

M Ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-376						
										Tol.	ISO2 (6H)	ISO2 (6H)	6HX	6HX	6HX	
										indice	D4-115001	D4-565001	D4-125901	D4-115901	D4-505901	
M8	1,25	90	20	15	-	6,0	4,9	6,80	0080	●	●	●	●	●	●	
M10	1,50	100	20	17	-	7,0	5,5	8,50	0100	●	●	●	●	●	●	
M12	1,75	110	24	18	-	9,0	7,0	10,20	0120	●	●	●	●	●	●	
M14	2,00	110	25	20	-	11,0	9,0	12,00	0140	●	●	●	●	●	●	
M16	2,00	110	32	20	-	12,0	9,0	14,00	0160	●	●	●	●	●	●	
M18	2,50	125	32	25	-	14,0	11,0	15,50	0180	●	●	○	○	○	○	
M20	2,50	140	32	25	-	16,0	12,0	17,50	0200	●	●	●	●	●	●	
M22	2,50	140	32	25	-	18,0	14,5	19,50	0220	●	●	○	○	○	○	
M24	3,00	160	38	30	-	18,0	14,5	21,00	0240	●	●	●	●	●	●	
M27	3,00	160	38	30	-	20,0	16,0	24,00	0270	●	●	○	○	○	○	
M30	3,50	180	40	35	-	22,0	18,0	26,50	0300	●	●	○	○	○	○	
M33	3,50	180	45	35	-	25,0	20,0	29,50	0330	●	●	○	○	○	○	
M36	4,00	200	50	40	-	28,0	22,0	32,00	0360	●	●	○	○	○	○	

ISO	Vc (m/min)						
P	5-35	5-35	1-20	1-20	1-20		
M	5-15	5-10	1-10	1-10	1-10		
K	5-25	5-25	1-20	1-20	1-20		
N	10-30	10-30	10-20	10-20	10-20		
S	-	-	-	-	-		

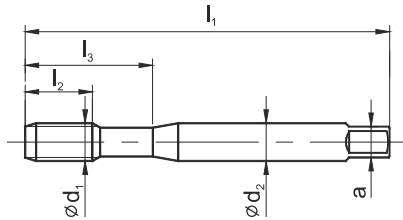
Rosca métrica ISO DIN-13



HSSE

HL

DIN 371



INOX

B B-HL C-R40 C-R40-HL



Material

P	M	K	P	M	K	P	M	K	P	M	K
N	S	H	N	S	H	N	S	H	N	S	H

Tipo de agujero



Calidad de material

HSSE HSSE HSSE HSSE

Recubrimiento

HL HL

Chafilán

B / 4-5P B / 4-5P C / 2-3P C / 2-3P

M Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-371						
									Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)			
									indice	C2-111801	C2-118801	C2-511801	C2-518801			
M3	0,50	56	10	5	18	3,5	2,7	2,50	0030	●	●	●	●			
M4	0,70	63	12	7	21	4,5	3,4	3,30	0040	●	●	●	●			
M5	0,80	70	14	8	25	6,0	4,9	4,20	0050	●	●	●	●			
M6	1,00	80	18	10	30	6,0	4,9	5,00	0060	●	●	●	●			
M8	1,25	90	20	13	35	8,0	6,2	6,80	0080	●	●	●	●			
M10	1,50	100	20	15	39	10,0	8,0	8,50	0100	●	●	●	●			

ISO	Vc (m/min)						
P	-	-	-	-			
M	5-15	5-15	5-15	5-15			
K	-	-	-	-			
N	-	-	-	-			
S	-	-	-	-			

1



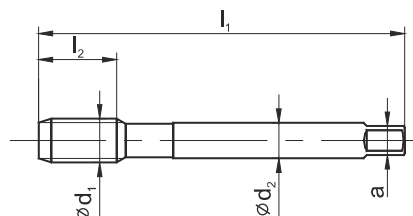
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Rosca métrica ISO DIN-13



HSSE

HL

DIN
376

INOX

B B-HL C-R40 C-R40-HL



Material

P	M	K	P	M	K	P	M	K	P	M	K
N	S	H	N	S	H	N	S	H	N	S	H

Tipo de agujero



Calidad de material

HSSE HSSE HSSE HSSE

Recubrimiento

- HL - HL

Chafilán

B / 4-5P B / 4-5P C / 2-3P C / 2-3P

M Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-376						
									Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)			
									indice	D2-111801	D2-118801	D2-511801	D2-518801			
M8	1,25	90	20	15	-	6,0	4,9	6,80	0080	●	●	●	●			
M10	1,50	100	20	17	-	7,0	5,5	8,50	0100	●	●	●	●			
M12	1,75	110	24	18	-	9,0	7,0	10,20	0120	●	●	●	●			
M14	2,00	110	25	20	-	11,0	9,0	12,00	0140	●	●	●	●			
M16	2,00	110	32	20	-	12,0	9,0	14,00	0160	●	●	●	●			
M18	2,50	125	32	25	-	14,0	11,0	15,50	0180	●	●	●	●			
M20	2,50	140	32	25	-	16,0	12,0	17,50	0200	●	●	●	●			
M22	2,50	140	32	25	-	18,0	14,5	19,50	0220	●	●	●	●			
M24	3,00	160	38	30	-	18,0	14,5	21,00	0240	●	●	●	●			
M27	3,00	160	38	30	-	20,0	16,0	24,00	0270	●	○	●	○			
M30	3,50	180	40	35	-	22,0	18,0	26,50	0300	●	○	●	○			
M33	3,50	180	45	35	-	25,0	20,0	29,50	0330	●	○	●	○			
M36	4,00	200	50	40	-	28,0	22,0	32,00	0360	●	○	●	○			

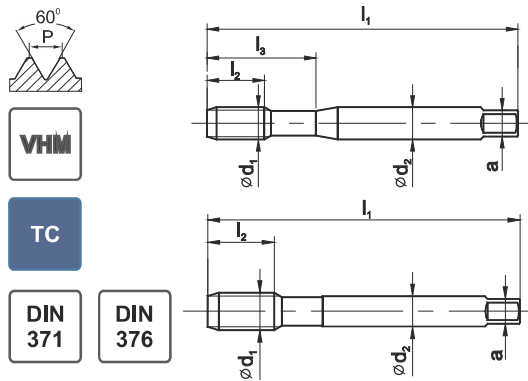
ISO	Vc (m/min)						
P	-	-	-	-			
M	5-15	5-15	5-15	5-15			
K	-	-	-	-			
N	-	-	-	-			
S	-	-	-	-			

Rosca métrica ISO DIN-13										GG					GAL	
										C-TC	C-IK-TC	E-TC	E-IK-TC	E-IKR-TC	C-R15-TC	E-R15-IK-TC
HSSE PM TC DIN 371 DIN 376																
Material																
Tipo de agujero																
Calidad de material										HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
Recubrimiento										TC	TC	TC	TC	TC	TC	TC
Chafilán										C / 2-3P	C / 2-3P	E / 1,5-2P	E / 1,5-2P	E / 1,5-2P	C / 2-3P	E / 1,5-2P
M Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-371							
									Tol.	6HX	6HX	6HX	6HX	6HX	6HX	6HX
									Indice	C2-125501	C4-125551	C2-145501	C4-145551	C4-145561	C2-505601	C4-655651
M 3	0,50	56	10	18	3,5	2,7	2,50	0030	●	-	○	-	-	-	●	-
M 4	0,70	63	12	21	4,5	3,4	3,30	0040	●	-	●	-	-	-	●	-
M 5	0,80	70	14	25	6,0	4,9	4,20	0050	●	●	●	●	●	●	●	○
M 6	1,00	80	18	30	6,0	4,9	5,00	0060	●	●	●	●	●	●	●	○
M 7	1,00	80	18	30	7,0	5,5	6,00	0070	○	○	○	○	○	○	○	○
M 8	1,25	90	20	35	8,0	6,2	6,80	0080	●	●	●	●	●	●	●	○
M 9	1,25	90	20	35	9,0	7,0	7,80	0090	○	○	○	○	○	○	○	○
M10	1,50	100	20	39	10,0	8,0	8,50	0100	●	●	●	●	●	●	●	○

M Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-376							
									Tol.	6HX	6HX	6HX	6HX	6HX	6HX	6HX
									Indice	D2-125501	D4-125551	D2-145501	D4-145551	D4-145561	D2-505601	D4-655651
M6	1,00	80	18	-	4,5	3,4	5,00	0060	●	○	●	○	○	○	●	○
M8	1,25	90	20	-	6,0	4,9	6,80	0080	●	●	●	●	○	○	●	○
M10	1,50	100	20	-	7,0	5,5	8,50	0100	●	●	●	●	○	○	●	○
M12	1,75	110	24	-	9,0	7,0	10,20	0120	●	●	●	●	●	●	●	●
M14	2,00	110	25	-	11,0	9,0	12,00	0140	●	○	○	○	○	○	●	○
M16	2,00	110	32	-	12,0	9,0	14,00	0160	●	●	○	○	○	○	●	●
M18	2,50	125	32	-	14,0	11,0	15,50	0180	●	○	○	○	○	○	●	○
M20	2,50	140	32	-	16,0	12,0	17,50	0200	●	○	○	○	○	○	●	○

ISO	Vc (m/min)						
P	-	-	-	-	-	-	-
M	-	-	-	-	-	-	-
K	1-60	5-60	1-60	5-60	5-60	-	-
N	-	-	-	-	-	10-30	10-30
S	-	-	-	-	-	-	-

Rosca métrica ISO DIN-13



HRC60

C-HM-TC C-1K-HM-TC D-HM-TC D-1K-HM-TC



Material

P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Tipo de agujero



Calidad de material

VHM VHM VHM VHM

Recubrimiento

TC TC TC TC

Chafilán

C / 2-3P C / 2-3P D / 4-5P D / 4-5P

M Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-371						
								Tol.	6HX						
								Indice	C9-125F01	C9-125F51	C9-135F01	C9-135F51			
M3	0,50	56	5	18	3,5	2,7	2,50	0030	●	-	●	-			
M4	0,70	63	7	21	4,5	3,4	3,30	0040	●	-	●	-			
M5	0,80	70	8	25	6,0	4,9	4,20	0050	●	-	●	-			
M6	1,00	80	10	30	6,0	4,9	5,00	0060	●	●	●	●			
M8	1,25	90	13	35	8,0	6,2	6,80	0080	●	●	●	●			
M10	1,50	100	15	39	10,0	8,0	8,50	0100	●	●	●	●			

M Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-376						
								ToL	6HX						
								Indice	D9-125F01	D9-125F51	D9-135F01	D9-135F51			
M12	1,75	110	18	-	9,0	7,0	10,20	0120	●	●	●	●			
M14	2,00	110	20	-	11,0	9,0	12,00	0140	●	●	●	●			
M16	2,00	110	20	-	12,0	9,0	14,00	0160	●	●	●	●			

ISO	Vc (m/min)						
P	-	-	-	-			
M	-	-	-	-			
K	-	-	-	-			
N	-	-	-	-			
S	-	-	-	-			
H	1-4	1-4	1-4	1-4			

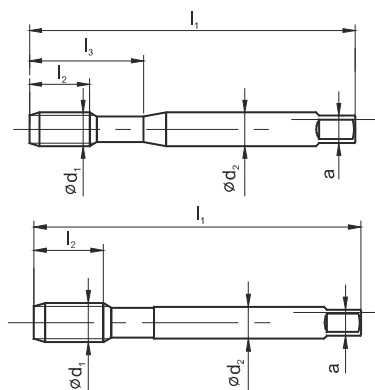
Rosca métrica ISO DIN-13									S-NC						
									B-TC	C-R45-TC	C-R45-IK-TC				
60° P HSSE PM TC DIN 371 DIN 376															
Material									P M K N S H	P M K N S H	P M K N S H				
Tipo de agujero															
Calidad de material									HSSE-PM	HSSE-PM	HSSE-PM				
Recubrimiento									TC	TC	TC				
Chafilán									B / 4-5P	C / 2-3P	C / 2-3P				
M Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		DIN-371							
								Norm							
								Tol.	6HX	6HX	6HX				
								Indice	C4-115301	C4-525301	C4-525351				
M3	0,50	56	5	18	3,5	2,7	2,50	0030	●	●	-				
M4	0,70	63	7	21	4,5	3,4	3,30	0040	●	●	-				
M5	0,80	70	8	25	6,0	4,9	4,20	0050	●	●	●				
M6	1,00	80	10	30	6,0	4,9	5,00	0060	●	●	●				
M8	1,25	90	13	35	8,0	6,2	6,80	0080	●	●	●				
M10	1,50	100	15	39	10,0	8,0	8,50	0100	●	●	●				
M Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		DIN-376							
								Norm							
								Tol.	6HX	6HX	6HX				
								Indice	D4-115301	D4-525301	D4-525351				
M12	1,75	110	18	-	9,0	7,0	10,20	0120	●	●	●				
M14	2,00	110	20	-	11,0	9,0	12,00	0140	●	●	●				
M16	2,00	110	20	-	12,0	9,0	14,00	0160	●	●	●				
ISO									Vc (m/min)						
P									5-50	5-50	5-60				
M									5-20	5-20	5-30				
K									10-40	10-40	10-60				
N									10-40	10-40	10-60				
S									1-8	1-8	1-8				

1

Rosca métrica ISO DIN-13



HSS

DIN
352

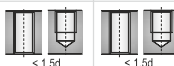
LH



Material



Tipo de agujero



Calidad de material

HSS

HSS

Recubrimiento

Chafilán

~3P

~3P

M Ød ₁	P	L ₁	L ₂	L ₃	Ød ₂	a		Norm Tol. índice	DIN-352							
									ISO2 (6H)	ISO2 (6H)						
									E1-131001	E1-231001						
M3	0,50	40	11	18,0	3,5	2,7	2,5	0030	●	○						
M3,5	0,60	45	13	21,0	4,0	3,0	2,9	0035	●	○						
M4	0,70	45	13	21,0	4,5	3,4	3,3	0040	●	○						
M4,5	0,75	50	16	25,0	6,0	4,9	3,7	0045	○	○						
M5	0,80	52	16	26,0	6,0	4,9	4,2	0050	●	○						
M6	1,00	56	18	27,0	6,0	4,9	5,0	0060	●	○						
M7	1,00	56	18	-	6,0	4,9	6,0	0070	○	○						
M8	1,25	63	20	-	6,0	4,9	6,8	0080	●	○						
M9	1,25	63	20	-	7,0	5,5	7,8	0090	○	○						
M10	1,50	70	22	-	7,0	5,5	8,5	0100	●	○						
M11	1,50	70	22	-	8,0	6,2	9,5	0110	○	○						
M12	1,75	80	24	-	9,0	7,0	10,2	0120	●	○						
M14	2,00	80	26	-	11,0	9,0	12,0	0140	●	○						
M16	2,00	80	27	-	12,0	9,0	14,0	0160	●	○						
M18	2,50	95	30	-	14,0	11,0	15,5	0180	●	○						
M20	2,50	95	32	-	16,0	12,0	17,5	0200	●	○						
M22	2,50	100	32	-	18,0	14,5	19,5	0220	●	○						
M24	3,00	110	34	-	18,0	14,5	21,0	0240	●	○						
M27	3,00	110	36	-	20,0	16,0	24,0	0270	●	○						
M30	3,50	125	40	-	22,0	18,0	26,5	0300	●	○						
M33	3,50	125	40	-	25,0	20,0	29,5	0330	○	○						
M36	4,00	150	50	-	28,0	22,0	32,0	0360	●	○						
M39	4,00	150	50	-	32,0	24,0	35,0	0390	○	○						
M42	4,50	150	56	-	32,0	24,0	37,5	0420	●	○						
M45	4,50	160	58	-	36,0	29,0	40,5	0450	○	○						
M48	5,00	180	65	-	36,0	29,0	43,0	0480	○	○						
M52	5,00	180	65	-	40,0	32,0	47,0	0520	○	○						
M56	5,50	180	70	-	40,0	32,0	50,5	0560	○	○						
M60	5,50	200	70	-	45,0	35,0	54,5	0600	○	○						
M64	6,00	220	75	-	50,0	39,0	58,0	0640	○	○						
M68	6,00	220	75	-	50,0	39,0	62,0	0680	○	○						

● Disponible en almacén

○ Bajo pedido

ISO	Vc (m/min)					
P	5-20	5-20				
M	-	-				
K	-	-				
N	-	-				
S	-	-				

Ejemplo de pedido

E1-131001-0060

Machos M6-6H DIN-352 HSS

Rosca métrica ISO DIN-13

NUT-TAP



HSSE

TC

soldado

torcido



Material

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

HSSE

HSSE

Recubrimiento

TC

TC

Chafilán

12P

12P

M	P	Dimensiones						
$\varnothing d_1$					Bajo demanda			
M12	1,75	Bajo demanda	10,2		o	o		
M14	2,00		12,0		o	o		
M16	2,00		14,0		o	o		
M18	2,50		15,5		o	o		
M20	2,50		17,5		o	o		
M22	2,50		19,5		o	o		
M24	3,00		21,0		o	o		
M27	3,00		24,0		o	o		
M30	3,50		26,5		o	o		
M33	3,50		29,5		o	o		
M36	4,00		32,0		o	o		

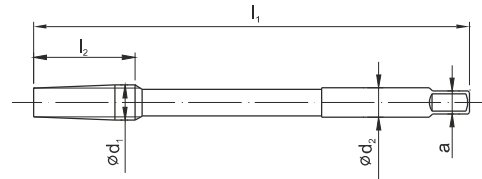
ISO	Vc (m/min)			
P	5-20	5-20		
M	-	-		
K	-	-		
N	-	-		
S	-	-		

1

Rosca métrica ISO DIN-13



HSS



NGMf

LH



Material



Tipo de agujero



Calidad de material

HSS

HSS

Recubrimiento

Chafilán

12P

12P

M Ød ₁	P	l ₁	l ₂	Ød ₂	a		Norm	NGMf						
							Tol.	ISO2 (6H)	ISO2 (6H)					
							índice	F1-151001	F1-251001					
M3	0,5	70	10	2,2	1,8	2,50	0030	○	○					
M4	0,70	90	14	2,8	2,2	3,30	0040	●	●					
M4,5	0,75	100	16	3,2	2,5	3,80	0045	○	○					
M5	0,80	110	16	3,5	2,8	4,20	0050	●	●					
M6	1,00	120	20	4,5	3,6	5,00	0060	●	●					
M7	1,00	120	20	5,6	4,5	6,00	0070	○	○					
M8	1,25	140	25	6,3	5,0	6,80	0080	●	●					
M10	1,50	160	30	8,0	6,3	8,50	0100	●	●					
M12	1,75	180	36	9,0	7,1	10,20	0120	●	●					
M14	2,00	180	40	10,0	8,0	12,00	0140	●	○					
M16	2,00	200	40	12,5	10,0	14,00	0160	●	●					
M18	2,50	200	50	14,0	11,2	15,50	0180	●	○					
M20	2,50	220	50	16,0	12,5	17,50	0200	●	●					
M22	2,50	220	50	18,0	14,0	19,50	0220	●	○					
M24	3,00	250	60	18,0	14,0	21,00	0240	●	●					
M27	3,00	250	60	20,0	16,0	24,00	0270	●	○					
M30	3,50	280	70	22,4	18,0	26,50	0300	●	●					
M33	3,50	280	70	25,0	20,0	29,50	0330	●	●					
M36	4,00	320	80	28,0	22,4	32,00	0360	●	●					

ISO	Vc (m/min)				
P	5-20	5-20			
M	-	-			
K	6-15	6-15			
N	6-15	6-15			
S	-	-			

Rosca métrica ISO DIN-13										KOMBI						
 										D-R30						
Material										P M K N S H						
Tipo de agujero										 < 1,5d						
Calidad de material										HSS						
Recubrimiento										-						
Chafilán										D/4P						
M Ød ₁	P	L ₁	L ₂	L ₃	Ød ₂	a		Norm	KOMBI							
								Tol.	ISO2 (6H)							
								Indice	G1-051001							
M 3	0,50	56	11	16	3	2,4	2,5	0030	●							
M 4	0,70	63	14	18	4	3,0	3,3	0040	●							
M 5	0,80	71	18	20	5	3,8	4,2	0050	●							
M 6	1,00	80	22	22	6	4,9	5,0	0060	●							
M 8	1,25	95	25	26	8	6,2	6,8	0080	●							
M 10	1,50	106	31	30	10	8,0	8,5	0100	●							
M 12	1,75	115	35	32	12	9,0	10,2	0120	●							
										Vc (m/min)						
										ISO						
										P						
										M						
										K						
										N						
										S						

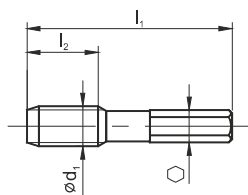


1

Rosca métrica ISO DIN-13



HSS



BIT

D



Material



Tipo de agujero



Calidad de material

HSS

Recubrimiento

-

Chafilán

D/4P

M	P	I ₁	I ₂	I ₃	Ød ₂	Ø	Norm	BIT						
Ød ₁							Tol.	ISO2 (6H)						
							índice	G1-031001						
M3	0,50	33	11	-	-	1/4"	2,5	0030	●					
M4	0,70	35	12	-	-	1/4"	3,3	0040	●					
M5	0,80	36	15	-	-	1/4"	4,2	0050	●					
M6	1,00	39	18	-	-	1/4"	5,0	0060	●					
M8	1,25	40	19	-	-	1/4"	6,8	0080	●					
M10	1,50	41	21	-	-	1/4"	8,5	0100	●					

ISO	Vc (m/min)					
P	5-15					
M	-					
K	-					
N	6-15					
S	-					

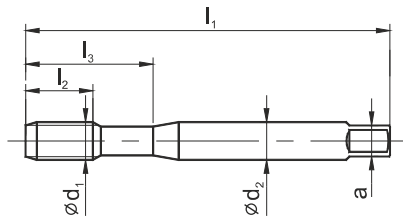
CONJUNTO DE BITS 206



Rosca métrica paso fino ISO DIN-13


HSSE
PM

HL

DIN
371


MASTER TAP

B-HL B-IKR-HL C-R45-HL C-R45-IK-HL E-R45-HL E-R45-IK-HL



Material

P M K P M K P M K P M K P M K P M K
N S H N S H N S H N S H N S H N S H

Tipo de agujero



Calidad de material

HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM

Recubrimiento

HL HL HL HL HL HL

Chafilán

B / 4-5P B / 4-5P C / 2-3P C / 2-3P E / 1,5-2P E / 1,5-2P

MF Ød ₁	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-371						
								Tol.	6HX	6HX	6HX	6HX	6HX	6HX	
								INDEX	C4-118M01	C4-118M61	C4-528M01	C4-528M51	C4-718M01	C4-718M51	
M3x0,35	0,35	56	5	18	3,5	2,7	2,65	0031	●	-	●	-	○	-	
M3,5x0,35	0,35	56	5	20	4,0	3,0	3,15	0036	●	-	●	-	○	-	
M4x0,5	0,50	63	7	21	4,5	3,4	3,50	0041	●	-	●	-	○	-	
M5x0,5	0,50	70	8	25	6,0	4,9	4,50	0051	●	○	●	○	○	○	
M6x0,5	0,50	80	10	30	6,0	4,9	5,50	0061	●	○	●	○	○	○	
M6x0,75	0,75	80	10	30	6,0	4,9	5,20	0062	●	○	●	○	○	○	
M8x0,75	0,75	80	10	30	8,0	6,2	7,20	0082	●	○	●	○	○	○	
M8x1	1,00	90	13	35	8,0	6,2	7,00	0083	●	●	●	●	●	●	
M10x0,75	0,75	90	13	35	10,0	8,0	9,20	0102	●	○	●	○	○	○	
M10x1	1,00	90	13	35	10,0	8,0	9,00	0103	●	●	●	●	●	●	
M10x1,25	1,25	100	15	39	10,0	8,0	8,80	0104	●	○	●	○	○	○	

ISO	Vc (m/min)					
P	5-40	5-50	5-40	5-50	5-40	5-50
M	5-15	5-25	5-15	5-25	5-15	5-25
K	10-30	10-50	10-30	10-50	10-30	10-50
N	10-30	10-50	10-30	10-50	10-30	10-50
S	1-8	1-8	1-8	1-8	1-8	1-8

Ejemplo de pedido

C4-118M01-0041
MasterTAP M4x0,5-6HX DIN-371 B HSSE-PM HL

● Disponible en almacén
○ Bajo pedido

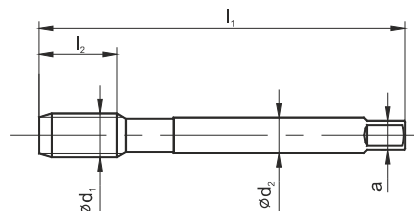
1

MASTER TAP

Rosca métrica paso fino ISO DIN-13

HSSE
PM

HL

DIN
374

MASTER TAP

B-HL B-IKR-HL C-R45-HL C-R45-IK-HL E-R45-HL E-R45-IK-HL



Material

P	M	K	P	M	K	P	M	K	P	M	K	P	M	K	P	M	K
N	S	H	N	S	H	N	S	H	N	S	H	N	S	H	N	S	H

Tipo de agujero



Calidad de material

HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM

Recubrimiento

HL HL HL HL HL HL

Chafilán

B / 4-5P B / 4-5P C / 2-3P C / 2-3P E / 1,5-2P E / 1,5-2P

MF Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-374						
								Tol.	6HX	6HX	6HX	6HX	6HX	6HX	
								INDEX	D4-118M01	D4-118M61	D4-528M01	D4-528M51	D4-718M01	D4-718M51	
M8x1	1,00	90	10	-	6,0	4,9	7,00	0083	●	●	●	●	●	○	
M10x0,75	0,75	90	10	-	7,0	5,5	9,20	0102	○	○	○	○	○	○	
M10x1	1,00	90	10	-	7,0	5,5	9,00	0103	●	●	●	●	●	○	
M10x1,25	1,25	100	15	-	7,0	5,5	8,80	0104	○	○	○	○	○	○	
M12x1	1,00	100	10	-	9,0	7,0	11,00	0123	●	○	●	○	○	○	
M12x1,25	1,25	100	15	-	9,0	7,0	10,80	0124	●	○	●	○	○	○	
M12x1,5	1,50	100	15	-	9,0	7,0	10,50	0125	●	●	●	●	●	○	
M14x1	1,00	100	10	-	11,0	9,0	13,00	0143	○	○	○	○	○	○	
M14x1,25	1,25	100	15	-	11,0	9,0	12,80	0144	○	○	○	○	○	○	
M14x1,5	1,50	100	15	-	11,0	9,0	12,50	0145	●	●	●	●	●	○	
M15x1	1,00	100	10	-	12,0	9,0	14,00	0153	○	○	○	○	○	○	
M16x1	1,00	100	10	-	12,0	9,0	15,00	0163	○	○	○	○	○	○	
M16x1,5	1,50	100	15	-	12,0	9,0	14,50	0165	●	●	●	●	●	○	
M18x1	1,00	110	13	-	14,0	11,0	17,00	0183	○	○	○	○	○	○	
M18x1,5	1,50	110	17	-	14,0	11,0	16,50	0185	●	○	●	○	○	○	
M18x2	2,00	125	20	-	14,0	11,0	16,00	0186	○	○	○	○	○	○	
M20x1	1,00	125	13	-	16,0	12,0	19,00	0203	○	○	○	○	○	○	
M20x1,5	1,50	125	17	-	16,0	12,0	18,50	0205	●	○	●	○	○	○	
M20x2	2,00	140	20	-	16,0	12,0	18,00	0206	○	○	○	○	○	○	
M22x1	1,00	125	13	-	18,0	14,5	21,00	0223	○	○	○	○	○	○	
M22x1,5	1,50	125	17	-	18,0	14,5	20,50	0225	●	○	●	○	○	○	
M22x2	2,00	140	20	-	18,0	14,5	20,00	0226	○	○	○	○	○	○	
M24x1	1,00	140	13	-	18,0	14,5	23,00	0243	○	○	○	○	○	○	
M24x1,5	1,50	140	20	-	18,0	14,5	22,50	0245	●	○	●	○	○	○	
M24x2	2,00	140	20	-	18,0	14,5	22,00	0246	○	○	○	○	○	○	

ISO	Vc (m/min)					
P	5-40	5-50	5-40	5-50	5-40	5-50
M	5-15	5-25	5-15	5-25	5-15	5-25
K	10-30	10-50	10-30	10-50	10-30	10-50
N	10-30	10-50	10-30	10-50	10-30	10-50
S	1-8	1-8	1-8	1-8	1-8	1-8

Rosca métrica paso fino ISO DIN-13

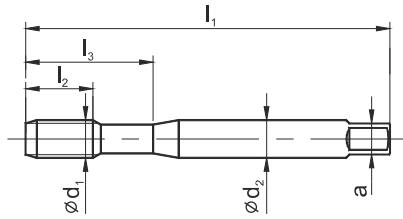
800X



HSSE

TN2

DIN 371



C-TN2

B-TN2

C-R40-TN2



Material

P M K
N S H

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

TN2

TN2

TN2

Chafilán

C / 2-3P

B / 4-5P

C / 2-3P

MF Ød ₁	P	L ₁	L ₂	L ₂ R40	L ₃	Ød ₂	a		Norm	DIN-371						
									Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)				
									INDEX	C2-123X01	C2-113X01	C2-513X01				
M4x0,5	0,50	63	12	7	21	4,5	3,4	3,50	0041	○	○	○				
M5x0,5	0,50	70	14	8	25	6,0	4,9	4,50	0051	○	○	○				
M6x0,75	0,75	80	14	10	30	6,0	4,9	5,20	0062	○	○	○				
M8x0,75	0,75	80	18	10	30	8,0	6,2	7,20	0082	○	○	○				
M8x1	1,00	90	20	13	35	8,0	6,2	7,00	0083	●	●	●				
M10x0,75	0,75	90	20	13	35	10,0	8,0	9,20	0102	○	○	○				
M10x1	1,00	90	20	13	35	10,0	8,0	9,00	0103	●	●	●				
M10x1,25	1,25	100	20	15	39	10,0	8,0	8,80	0104	○	●	●				

ISO	Vc (m/min)						
P	5-35	5-35	5-35				
M	5-15	5-15	5-15				
K	5-25	5-25	5-25				
N	10-30	10-30	10-30				
S	-	-	-				

1



800X

Ejemplo de pedido

C2-123X01-0083

Machos 800X M8x1-6H DIN-371 C HSSE TN2

● Disponible en almacén

○ Bajo pedido

1

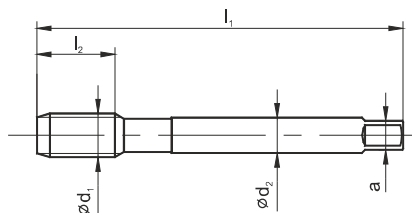
Rosca métrica paso fino ISO DIN-13



HSSE

TN2

DIN 374



800X

C-TN2

B-TN2

C-R40-TN2



Material



Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

TN2

TN2

TN2

Chafilán

C / 2-3P

B / 4-5P

C / 2-3P

MF Ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-374						
										ISO2 (6H)	ISO2 (6H)	ISO2 (6H)				
										Tol.	INDEX	D2-123X01	D2-113X01	D2-513X01		
M8x1	1,00	90	20	10	-	6,0	4,9	7,00	0083	●	●	●				
M9x1	1,00	90	20	10	-	7,0	5,5	8,00	0093	○	○	○				
M10x0,75	0,75	90	18	10	-	7,0	5,5	9,20	0102	●	●	●				
M10x1	1,00	90	20	10	-	7,0	5,5	9,00	0103	●	●	●				
M10x1,25	1,25	100	20	15	-	7,0	5,5	8,80	0104	●	●	●				
M11x1	1,00	90	20	10	-	8,0	6,2	10,00	0113	○	○	○				
M12x1	1,00	100	20	10	-	9,0	7,0	11,00	0123	●	●	●				
M12x1,25	1,25	100	20	15	-	9,0	7,0	10,80	0124	●	●	●				
M12x1,5	1,50	100	20	15	-	9,0	7,0	10,50	0125	●	●	●				
M14x1	1,00	100	20	10	-	11,0	9,0	13,00	0143	●	●	●				
M14x1,25	1,25	100	20	15	-	11,0	9,0	12,80	0144	●	●	●				
M14x1,5	1,50	100	20	15	-	11,0	9,0	12,50	0145	●	●	●				
M15x1	1,00	100	20	10	-	12,0	9,0	14,00	0153	○	○	○				
M16x1	1,00	100	20	10	-	12,0	9,0	15,00	0163	●	●	●				
M16x1,5	1,50	100	20	15	-	12,0	9,0	14,50	0165	●	●	●				
M18x1	1,00	110	24	13	-	14,0	11,0	17,00	0183	○	○	○				
M18x1,5	1,50	110	24	17	-	14,0	11,0	16,50	0185	●	●	●				
M18x2	2,00	125	27	20	-	14,0	11,0	16,00	0186	●	●	●				
M20x1	1,00	125	24	13	-	16,0	12,0	19,00	0203	○	○	○				
M20x1,5	1,50	125	24	17	-	16,0	12,0	18,50	0205	●	●	●				
M20x2	2,00	140	27	20	-	16,0	12,0	18,00	0206	●	●	●				
M22x1	1,00	125	24	13	-	18,0	14,5	21,00	0223	○	○	○				
M22x1,5	1,50	125	24	17	-	18,0	14,5	20,50	0225	●	●	●				
M22x2	2,00	140	27	20	-	18,0	14,5	20,00	0226	●	●	●				
M24x1	1,00	140	27	13	-	18,0	14,5	23,00	0243	○	○	○				
M24x1,5	1,50	140	27	20	-	18,0	14,5	22,50	0245	●	●	●				
M24x2	2,00	140	27	20	-	18,0	14,5	22,00	0246	●	●	●				
M25x1,5	1,50	140	27	20	-	18,0	14,5	23,50	0253	○	○	○				
M26x1,5	1,50	140	27	20	-	18,0	14,5	24,50	0265	○	○	○				
M27x1,5	1,50	140	27	20	-	20,0	16,0	25,50	0275	●	●	●				
M27x2	2,00	140	27	20	-	20,0	16,0	25,00	0276	●	●	●				
M28x1,5	1,50	140	27	20	-	20,0	16,0	26,50	0285	○	○	○				

● Disponible en almacén

○ Bajo pedido

ISO	Vc (m/min)						
P	5-35	5-35	5-35				
M	5-15	5-15	5-15				
K	5-25	5-25	5-25				
N	10-30	10-30	10-30				
S	-	-	-				

Ejemplo de pedido

D2-123X01-0083

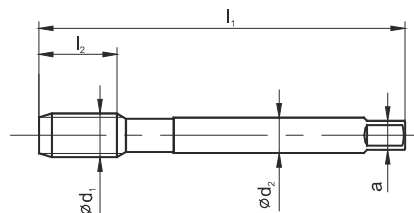
Machos 800X M8x1-6H DIN-374 C HSSE TN2

Rosca métrica paso fino ISO DIN-13



HSSE

TN2

DIN
374


800X

C-TN2

B-TN2

C-R40-TN2



Material

P M K
N S H

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

TN2

TN2

TN2

Chafilán

C / 2-3P

B / 4-5P

C / 2-3P

MF ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	ød ₂	a		Norm	DIN-374						
										Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)			
										INDEX	D2-123X01	D2-113X01	D2-513X01			
M28x2	2,0	140	27	20	-	20,0	16,0	26,00	0286	o	o	o				
M30x1,5	1,5	150	27	22	-	22,0	18,0	28,50	0305	•	•	•				
M30x2	2,0	150	27	22	-	22,0	18,0	28,00	0306	•	•	•				
M32x1,5	1,5	150	27	22	-	22,0	18,0	30,50	0325	o	o	o				
M32x2	2,0	150	27	22	-	22,0	18,0	30,00	0326	o	o	o				
M33x1,5	1,5	160	30	22	-	25,0	20,0	31,50	0335	o	o	o				
M33x2	2,0	160	30	24	-	25,0	20,0	31,00	0336	o	o	o				
M34x1,5	1,5	170	30	22	-	28,0	22,0	32,50	0345	o	o	o				
M35x1,5	1,5	170	30	22	-	28,0	22,0	33,50	0355	o	o	o				
M36x1,5	1,5	170	30	22	-	28,0	22,0	34,50	0365	o	o	o				
M36x2	2,0	170	30	24	-	28,0	22,0	34,00	0366	o	o	o				
M36x3	3,0	200	50	30	-	28,0	22,0	33,00	0367	o	o	o				
M38x1,5	1,5	170	30	24	-	28,0	22,0	36,50	0385	o	o	o				
M39x1,5	1,5	170	30	25	-	32,0	24,0	37,50	0395	o	o	o				
M39x2	2,0	170	30	25	-	32,0	24,0	37,00	0396	o	o	o				
M39x3	3,0	200	50	30	-	32,0	24,0	36,00	0397	o	o	o				
M40x1,5	1,5	170	30	25	-	32,0	24,0	38,50	0405	o	o	o				
M40x2	2,0	170	30	25	-	32,0	24,0	38,00	0406	o	o	o				
M42x1,5	1,5	170	30	25	-	32,0	24,0	40,50	0425	o	o	o				
M42x2	2,0	170	30	25	-	32,0	24,0	40,00	0426	o	o	o				
M42x3	3,0	200	50	30	-	32,0	24,0	39,00	0427	o	o	o				
M45x1,5	1,5	180	30	27	-	36,0	29,0	43,50	0455	o	o	o				
M45x2	2,0	180	30	27	-	36,0	29,0	43,00	0456	o	o	o				
M45x3	3,0	200	50	30	-	36,0	29,0	42,00	0457	o	o	o				
M48x1,5	1,5	190	30	27	-	36,0	29,0	46,50	0485	o	o	o				
M48x2	2,0	190	30	27	-	36,0	29,0	46,00	0486	o	o	o				
M48x3	3,0	225	50	33	-	36,0	29,0	45,00	0487	o	o	o				
M50x1,5	1,5	190	30	27	-	36,0	29,0	48,50	0505	o	o	o				
M50x2	2,0	190	30	33	-	36,0	29,0	48,00	0506	o	o	o				
M52x1,5	1,5	190	32	27	-	40,0	32,0	50,50	0525	o	o	o				
M52x2	2,0	190	32	33	-	40,0	32,0	50,00	0526	o	o	o				
M52x3	3,0	225	50	33	-	40,0	32,0	49,00	0527	o	o	o				

● Disponible en almacén

○ Bajo pedido

Ejemplo de pedido

D2-123X01-0305

Machos 800X M30x1,5-6H DIN-374 C HSSE TN2

ISO	Vc (m/min)					
P	5-35	5-35	5-35			
M	5-15	5-15	5-15			
K	5-25	5-25	5-25			
N	10-30	10-30	10-30			
S	-	-	-			

1



800X

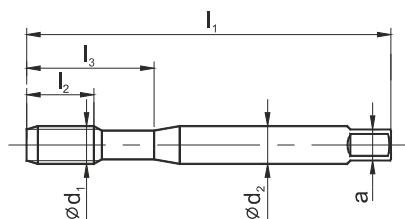
1

Rosca métrica paso fino ISO DIN-13



HSSE

DIN 371



800

C

B

C-R40



Material

P	M	K
N	S	H

P	M	K
N	S	H

P	M	K
N	S	H

Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

Chafilán

C / 2-3P

B / 4-5P

C / 2-3P

MF $\varnothing d_1$	P	l_1	l_2	l_3	$\varnothing d_2$	a		Norm	DIN-371						
									Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)			
									INDEX	C2-121101	C2-111101	C2-511101			
M3x0,35	0,35	56	10	5	18	3,5	2,7	2,65	0031	●	●	●			
M3,5x0,35	0,35	56	10	5	20	4,0	3,0	3,15	0036	●	●	●			
M4x0,5	0,50	63	12	7	21	4,5	3,4	3,50	0041	●	●	●			
M5x0,5	0,50	70	14	8	25	6,0	4,9	4,50	0051	●	●	●			
M6x0,75	0,75	80	14	10	30	6,0	4,9	5,20	0062	●	●	●			
M8x0,75	0,75	80	18	10	30	8,0	6,2	7,20	0082	●	●	●			
M8x1	1,00	90	20	13	35	8,0	6,2	7,00	0083	●	●	●			
M10x0,75	0,75	90	20	13	35	10,0	8,0	9,20	0102	●	●	●			
M10x1	1,00	90	20	13	35	10,0	8,0	9,00	0103	●	●	●			
M10x1,25	1,25	100	20	15	39	10,0	8,0	8,80	0104	●	●	●			

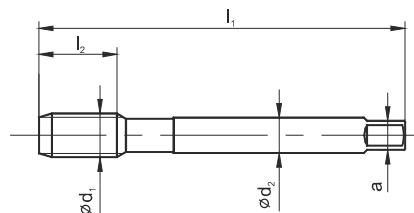
ISO	Vc (m/min)					
P	5-20	5-20	5-20			
M	-	-	-			
K	5-15	5-15	5-15			
N	5-25	5-25	5-25			
S	-	-	-			

Rosca métrica paso fino ISO DIN-13



HSSE

DIN 374



800

C

B

C-R40



Material



Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

Chaflán

C / 2-3P

B / 4-5P

C / 2-3P

MF Ød ₁	P	l ₁	l ₂ R40 R45	l ₃	Ød ₂	a		Norm	DIN-374						
									ISO2 (6H)	ISO2 (6H)	ISO2 (6H)				
									INDEX	D2-121101	D2-111101	D2-511101			
M8x1	1,00	90	20	10	-	6,0	4,9	7,00	0083	●	●	●			
M9x1	1,00	90	20	10	-	7,0	5,5	8,00	0093	○	○	○			
M10x0,75	0,75	90	18	10	-	7,0	5,5	9,20	0102	●	●	●			
M10x1	1,00	90	20	10	-	7,0	5,5	9,00	0103	●	●	●			
M10x1,25	1,25	100	20	15	-	7,0	5,5	8,80	0104	●	●	●			
M11x1	1,00	90	20	10	-	8,0	6,2	10,00	0113	○	○	○			
M12x1	1,00	100	20	10	-	9,0	7,0	11,00	0123	●	●	●			
M12x1,25	1,25	100	20	15	-	9,0	7,0	10,80	0124	●	●	●			
M12x1,5	1,50	100	20	15	-	9,0	7,0	10,50	0125	●	●	●			
M14x1	1,00	100	20	10	-	11,0	9,0	13,00	0143	●	●	●			
M14x1,25	1,25	100	20	15	-	11,0	9,0	12,80	0144	●	●	●			
M14x1,5	1,50	100	20	15	-	11,0	9,0	12,50	0145	●	●	●			
M15x1	1,00	100	20	10	-	12,0	9,0	14,00	0153	○	○	○			
M16x1	1,00	100	20	10	-	12,0	9,0	15,00	0163	●	●	●			
M16x1,5	1,50	100	20	15	-	12,0	9,0	14,50	0165	●	●	●			
M18x1	1,00	110	24	13	-	14,0	11,0	17,00	0183	○	○	○			
M18x1,5	1,50	110	24	17	-	14,0	11,0	16,50	0185	●	●	●			
M18x2	2,00	125	27	20	-	14,0	11,0	16,00	0186	●	●	●			
M20x1	1,00	125	24	13	-	16,0	12,0	19,00	0203	○	○	○			
M20x1,5	1,50	125	24	17	-	16,0	12,0	18,50	0205	●	●	●			
M20x2	2,00	140	27	20	-	16,0	12,0	18,00	0206	●	●	●			
M22x1	1,00	125	24	13	-	18,0	14,5	21,00	0223	○	○	○			
M22x1,5	1,50	125	24	17	-	18,0	14,5	20,50	0225	●	●	●			
M22x2	2,00	140	27	20	-	18,0	14,5	20,00	0226	●	●	●			
M24x1	1,00	140	27	13	-	18,0	14,5	23,00	0243	○	○	○			
M24x1,5	1,50	140	27	20	-	18,0	14,5	22,50	0245	●	●	●			
M24x2	2,00	140	27	20	-	18,0	14,5	22,00	0246	●	●	●			
M25x1,5	1,50	140	27	20	-	18,0	14,5	23,50	0253	○	○	○			
M26x1,5	1,50	140	27	20	-	18,0	14,5	24,50	0265	○	○	○			
M27x1,5	1,50	140	27	20	-	20,0	16,0	25,50	0275	●	●	●			
M27x2	2,00	140	27	20	-	20,0	16,0	25,00	0276	●	●	●			
M28x1,5	1,50	140	27	20	-	20,0	16,0	26,50	0285	○	○	○			

- Disponible en almacén
- Bajo pedido

Ejemplo de pedido

D2-121101-0083

Machos 800 M8x1-6H DIN-374 C HSSE

ISO	Vc (m/min)							
P	5-20	5-20	5-20					
M	-	-	-					
K	5-15	5-15	5-15					
N	5-25	5-25	5-25					
S	-	-	-					

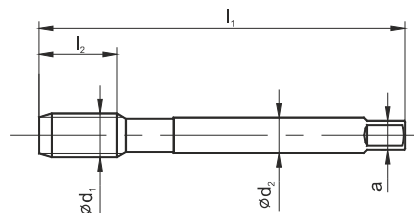
1

Rosca métrica paso fino ISO DIN-13



HSSE

DIN 374



800

C

B

C-R40



Material



Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

Chaflán

C / 2-3P

B / 4-5P

C / 2-3P

MF ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	ød ₂	a		Norm	DIN-374						
										ISO2 (6H)	ISO2 (6H)	ISO2 (6H)				
										Tol.	INDEX	D2-121101	D2-111101	D2-511101		
M28x2	2,0	140	27	20	-	20,0	16,0	26,00	0286	o	o	o				
M30x1,5	1,5	150	27	22	-	22,0	18,0	28,50	0305	●	●	●				
M30x2	2,0	150	27	22	-	22,0	18,0	28,00	0306	●	●	●				
M32x1,5	1,5	150	27	22	-	22,0	18,0	30,50	0325	o	o	o				
M32x2	2,0	150	27	22	-	22,0	18,0	30,00	0326	o	o	o				
M33x1,5	1,5	160	30	22	-	25,0	20,0	31,50	0335	●	●	●				
M33x2	2,0	160	30	24	-	25,0	20,0	31,00	0336	●	●	●				
M34x1,5	1,5	170	30	22	-	28,0	22,0	32,50	0345	o	o	o				
M35x1,5	1,5	170	30	22	-	28,0	22,0	33,50	0355	o	o	o				
M36x1,5	1,5	170	30	22	-	28,0	22,0	34,50	0365	●	●	●				
M36x2	2,0	170	30	24	-	28,0	22,0	34,00	0366	●	●	●				
M36x3	3,0	200	50	30	-	28,0	22,0	33,00	0367	o	o	o				
M38x1,5	1,5	170	30	24	-	28,0	22,0	36,50	0385	o	o	o				
M39x1,5	1,5	170	30	25	-	32,0	24,0	37,50	0395	o	o	o				
M39x2	2,0	170	30	25	-	32,0	24,0	37,00	0396	o	o	o				
M39x3	3,0	200	50	30	-	32,0	24,0	36,00	0397	o	o	o				
M40x1,5	1,5	170	30	25	-	32,0	24,0	38,50	0405	o	o	o				
M40x2	2,0	170	30	25	-	32,0	24,0	38,00	0406	o	o	o				
M42x1,5	1,5	170	30	25	-	32,0	24,0	40,50	0425	o	o	o				
M42x2	2,0	170	30	25	-	32,0	24,0	40,00	0426	o	o	o				
M42x3	3,0	200	50	30	-	32,0	24,0	39,00	0427	o	o	o				
M45x1,5	1,5	180	30	27	-	36,0	29,0	43,50	0455	o	o	o				
M45x2	2,0	180	30	27	-	36,0	29,0	43,00	0456	o	o	o				
M45x3	3,0	200	50	30	-	36,0	29,0	42,00	0457	o	o	o				
M48x1,5	1,5	190	30	27	-	36,0	29,0	46,50	0485	o	o	o				
M48x2	2,0	190	30	27	-	36,0	29,0	46,00	0486	o	o	o				
M48x3	3,0	225	50	33	-	36,0	29,0	45,00	0487	o	o	o				
M50x1,5	1,5	190	30	27	-	36,0	29,0	48,50	0505	o	o	o				
M50x2	2,0	190	30	33	-	36,0	29,0	48,00	0506	o	o	o				
M52x1,5	1,5	190	32	27	-	40,0	32,0	50,50	0525	o	o	o				
M52x2	2,0	190	32	33	-	40,0	32,0	50,00	0526	o	o	o				
M52x3	3,0	225	50	33	-	40,0	32,0	49,00	0527	o	o	o				

● Disponible en almacén

○ Bajo pedido

ISO	Vc (m/min)					
P	5-20	5-20	5-20			
M	-	-	-			
K	5-15	5-15	5-15			
N	5-25	5-25	5-25			
S	-	-	-			

Ejemplo de pedido

D2-121101-0286

Machos 800 M28x2-6H DIN-374 C HSSE

Rosca métrica paso fino ISO DIN-13										FAN-1200		1400					
										B-TC	C-R40-TC	C-TC	B-TC	C-R15-TC			
60° P HSSE PM TC DIN 371																	
Material										P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S H			
Tipo de agujero																	
Calidad de material										HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM			
Recubrimiento										TC	TC	TC	TC	TC			
Chafilán										B / 4-5P	C / 2-3P	C / 2-3P	B / 4-5P	C / 2-3P			
MF Ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-371							
									Tol.	ISO2 (6H)	ISO2 (6H)	6HX	6HX	6HX			
									INDEX	C4-115001	C4-565001	C4-125901	C4-115901	C4-505901			
M4x0,5	0,50	63	12	7	21	4,5	3,4	3,50	0041	○	○	○	○	○			
M5x0,5	0,50	70	14	8	25	6,0	4,9	4,50	0051	○	○	○	○	○			
M6x0,75	0,75	80	14	10	30	6,0	4,9	5,20	0062	○	○	○	○	○			
M8x0,75	0,75	80	18	10	30	8,0	6,2	7,20	0082	○	○	○	○	○			
M8x1	1,00	90	20	13	35	8,0	6,2	7,00	0083	●	●	●	●	●			
M10x0,75	0,75	90	20	13	35	10,0	8,0	9,20	0102	○	○	○	○	○			
M10x1	1,00	90	20	13	35	10,0	8,0	9,00	0103	●	●	●	●	●			
M10x1,25	1,25	100	20	15	39	10,0	8,0	8,80	0104	○	○	○	○	○			
										ISO	Vc (m/min)						
										P	5-35	5-35	1-20	1-20	1-20		
										M	5-15	5-15	1-10	1-10	1-10		
										K	5-25	5-25	1-20	1-20	1-20		
										N	10-30	10-30	10-20	10-20	10-20		
										S	-	-	-	-	-		

1

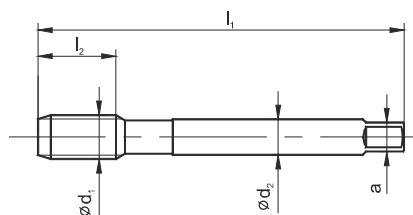


1

Rosca métrica paso fino ISO DIN-13

HSSE
PM

TC

DIN
374**FAN-I200****I400**

B-TC

C-R40-TC

C-TC

B-TC

C-R15-TC



Material

P
NM
SK
HP
NM
SK
HP
NM
SK
HP
NM
SK
HP
NM
SK
H

Tipo de agujero



Calidad de material

PM/HSSE

PM/HSSE

PM/HSSE

PM/HSSE

PM/HSSE

Recubrimiento

TC

TC

TC

TC

TC

Chafilán

B / 4-5P

C / 2-3P

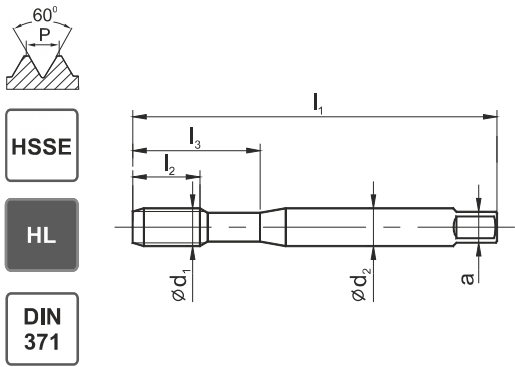
C / 2-3P

B / 4-5P

C / 2-3P

MF Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-374						
									Tol.	ISO2 (6H)	ISO2 (6H)	6HX	6HX	6HX		
									INDEX	D4-115001	D4-565001	D4-125901	D4-115901	D4-505901		
M8x1	1,00	90	20	10	-	6,0	4,9	7,00	0083	●	●	●	●	●		
M10x0,75	0,75	90	18	10	-	7,0	5,5	9,20	0102	○	○	○	○	○		
M10x1	1,00	90	20	10	-	7,0	5,5	9,00	0103	●	●	●	●	●		
M10x1,25	1,25	100	20	15	-	7,0	5,5	8,80	0104	○	○	○	○	○		
M12x1	1,00	100	20	10	-	9,0	7,0	11,00	0123	●	●	●	●	●		
M12x1,25	1,25	100	20	15	-	9,0	7,0	10,80	0124	●	●	●	●	●		
M12x1,5	1,50	100	20	15	-	9,0	7,0	10,50	0125	●	●	●	●	●		
M14x1	1,00	100	20	10	-	11,0	9,0	13,00	0143	○	○	○	○	○		
M14x1,25	1,25	100	20	15	-	11,0	9,0	12,80	0144	○	○	○	○	○		
M14x1,5	1,50	100	20	15	-	11,0	9,0	12,50	0145	●	●	●	●	●		
M16x1	1,00	100	20	10	-	12,0	9,0	15,00	0163	●	●	●	●	●		
M16x1,5	1,50	100	20	15	-	12,0	9,0	14,50	0165	●	●	●	●	●		
M18x1	1,00	110	24	13	-	14,0	11,0	17,00	0183	○	○	○	○	○		
M18x1,5	1,50	110	24	17	-	14,0	11,0	16,50	0185	●	●	●	●	●		
M18x2	2,00	125	32	27	-	14,0	11,0	16,00	0186	●	○	○	○	○		
M20x1	1,00	125	24	13	-	16,0	12,0	19,00	0203	○	○	○	○	○		
M20x1,5	1,50	125	24	17	-	16,0	12,0	18,50	0205	●	●	●	●	●		
M20x2	2,00	140	32	27	-	16,0	12,0	18,00	0206	○	○	○	○	○		
M22x1	1,00	125	24	13	-	18,0	14,5	21,00	0223	○	○	○	○	○		
M22x1,5	1,50	125	24	17	-	18,0	14,5	20,50	0225	○	○	○	○	○		
M22x2	2,00	140	32	27	-	18,0	14,5	20,00	0226	○	○	○	○	○		
M24x1	1,00	140	27	13	-	18,0	14,5	23,00	0243	○	○	○	○	○		
M24x1,5	1,50	140	27	20	-	18,0	14,5	22,50	0245	○	○	○	○	○		
M24x2	2,00	140	27	20	-	18,0	14,5	22,00	0246	○	○	○	○	○		

ISO	Vc (m/min)						
P	5-35	5-35	1-20	1-20	1-20		
M	5-15	5-15	1-10	1-10	1-10		
K	5-25	5-25	1-20	1-20	1-20		
N	10-30	10-30	10-20	10-20	10-20		
S	-	-	-	-	-		

Rosca métrica paso fino ISO DIN-13										INOX						
 HSSE HL DIN 371										B	B-HL	C-R40	C-R40-HL			
																
Material										P M K N S H	P M K N S H	P M K N S H	P M K N S H			
Tipo de agujero																
Calidad de material										HSSE	HSSE	HSSE	HSSE			
Recubrimiento											HL		HL			
Chafilán										B / 4-5P	B / 4-5P	C / 2-3P	C / 2-3P			
MF Ød ₁	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	DIN-371						
										Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)			
										INDEX	C2-111801	C2-118801	C2-511801			
M4x0,5	0,50	63	12	7	21	4,5	3,4	3,50	0041	●	●	●	●			
M5x0,5	0,50	70	14	8	25	6,0	4,9	4,50	0051	●	●	●	●			
M6x0,75	0,75	80	14	10	30	6,0	4,9	5,20	0062	●	●	●	●			
M8x0,75	0,75	80	18	10	30	8,0	6,2	7,20	0082	●	●	●	●			
M8x1	1,00	90	20	13	35	8,0	6,2	7,00	0083	●	●	●	●			
M10x0,75	0,75	90	20	13	35	10,0	8,0	9,20	0102	●	●	●	●			
M10x1	1,00	90	20	13	35	10,0	8,0	9,00	0103	●	●	●	●			
M10x1,25	1,25	100	20	15	39	10,0	8,0	8,80	0104	●	●	●	●			
										ISO	Vc (m/min)					
										P	-	-	-	-		
										M	5-15	5-15	5-15	5-15		
										K	-	-	-	-		
										N	-	-	-	-		
										S	-	-	-	-		

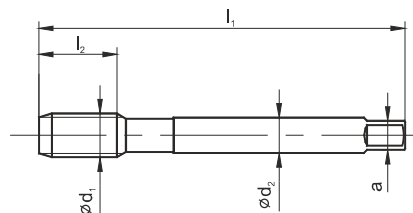
1

Rosca métrica paso fino ISO DIN-13



HSSE

HL

DIN
374

INOX

B

B-HL

C-R40

C-R40-HL



Material

P M K
N S HP M K
N S HP M K
N S HP M K
N S H

Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

HSSE

Recubrimiento

HL

HL

Chafilán

B / 4-5P

B / 4-5P

C / 2-3P

C / 2-3P

MF ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	ød ₂	a		Norm	DIN-374						
										Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)			
										INDEX	D2-111801	D2-118801	D2-511801			
M8x1	1,00	90	20	10	-	6,0	4,9	7,00	0083	●	○	●	○			
M10x0,75	0,75	90	18	10	-	7,0	5,5	9,20	0102	●	○	●	○			
M10x1	1,00	90	20	10	-	7,0	5,5	9,00	0103	●	●	●	●			
M10x1,25	1,25	100	20	15	-	7,0	5,5	8,80	0104	●	○	●	○			
M12x1	1,00	100	20	10	-	9,0	7,0	11,00	0123	●	○	●	○			
M12x1,25	1,25	100	20	15	-	9,0	7,0	10,80	0124	●	○	●	○			
M12x1,5	1,50	100	20	15	-	9,0	7,0	10,50	0125	●	●	●	●			
M14x1	1,00	100	20	10	-	11,0	9,0	13,00	0143	○	○	○	○			
M14x1,25	1,25	100	20	15	-	11,0	9,0	12,80	0144	○	○	○	○			
M14x1,5	1,50	100	20	15	-	11,0	9,0	12,50	0145	●	○	●	○			
M15x1	1,00	100	20	10	-	12,0	9,0	14,00	0153	○	○	○	○			
M16x1	1,00	100	20	10	-	12,0	9,0	15,00	0163	●	○	●	○			
M16x1,5	1,50	100	20	15	-	12,0	9,0	14,50	0165	●	●	●	●			
M18x1	1,00	110	24	13	-	14,0	11,0	17,00	0183	○	○	○	○			
M18x1,5	1,50	110	24	17	-	14,0	11,0	16,50	0185	●	○	●	○			
M18x2	2,00	125	27	20	-	14,0	11,0	16,00	0186	○	○	○	○			
M20x1	1,00	125	24	13	-	16,0	12,0	19,00	0203	○	○	○	○			
M20x1,5	1,50	125	24	17	-	16,0	12,0	18,50	0205	●	●	●	●			
M20x2	2,00	140	27	20	-	16,0	12,0	18,00	0206	○	○	○	○			
M22x1	1,00	125	24	13	-	18,0	14,5	21,00	0223	○	○	○	○			
M22x1,5	1,50	125	24	17	-	18,0	14,5	20,50	0225	●	○	●	○			
M22x2	2,00	140	27	20	-	18,0	14,5	20,00	0226	○	○	○	○			
M24x1	1,00	140	27	13	-	18,0	14,5	23,00	0243	○	○	○	○			
M24x1,5	1,50	140	27	20	-	18,0	14,5	22,50	0245	○	○	○	○			
M24x2	2,00	140	27	20	-	18,0	14,5	22,00	0246	○	○	○	○			
M26x1,5	1,50	140	27	20	-	18,0	14,5	24,50	0265	○	○	○	○			
M27x1,5	1,50	140	27	20	-	20,0	16,0	25,50	0275	○	○	○	○			
M27x2	2,00	140	27	20	-	20,0	16,0	25,00	0276	○	○	○	○			
M28x1,5	1,50	140	27	20	-	20,0	16,0	26,50	0285	○	○	○	○			

- Disponible en almacén
- Bajo pedido

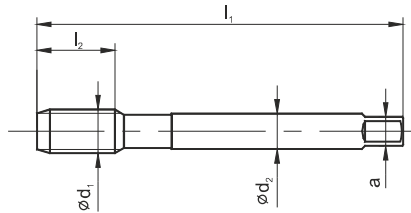
ISO	Vc (m/min)						
P	-	-	-	-			
M	5-15	5-15	5-15	5-15			
K	-	-	-	-			
N	-	-	-	-			
S	-	-	-	-			

Rosca métrica paso fino ISO DIN-13



HSSE

HL

DIN
374


INOX

B

B-HL

C-R40

C-R40-HL



Material

P M K
N S H

P M K
N S H

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

HSSE

Recubrimiento

HL

HL

Chafilán

B / 4-5P

B / 4-5P

C / 2-3P

C / 2-3P

MF Ød ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-374						
										Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)			
										INDEX	D2-111801	D2-118801	D2-511801			
M28x2	2,0	140	27	20	-	20,0	16,0	26,00	0286	o	o	o	o			
M30x1,5	1,5	150	27	22	-	22,0	18,0	28,50	0305	o	o	o	o			
M30x2	2,0	150	27	22	-	22,0	18,0	28,00	0306	o	o	o	o			
M32x1,5	1,5	150	27	22	-	22,0	18,0	30,50	0325	o	o	o	o			
M32x2	2,0	150	27	22	-	22,0	18,0	30,00	0326	o	o	o	o			
M33x1,5	1,5	160	30	22	-	25,0	20,0	31,50	0335	o	o	o	o			
M33x2	2,0	160	30	24	-	25,0	20,0	31,00	0336	o	o	o	o			
M34x1,5	1,5	170	30	22	-	28,0	22,0	32,50	0345	o	o	o	o			
M35x1,5	1,5	170	30	22	-	28,0	22,0	33,50	0355	o	o	o	o			
M36x1,5	1,5	170	30	22	-	28,0	22,0	34,50	0365	o	o	o	o			
M36x2	2,0	170	30	24	-	28,0	22,0	34,00	0366	o	o	o	o			
M36x3	3,0	200	50	30	-	28,0	22,0	33,00	0367	o	o	o	o			

ISO	Vc (m/min)						
P	-	-	-	-			
M	5-15	5-15	5-15	5-15			
K	-	-	-	-			
N	-	-	-	-			
S	-	-	-	-			

Ejemplo de pedido

D2-118801-0325

Machos INOX M32x1,5-6H DIN-374 B HSSE HL

● Disponible en almacén

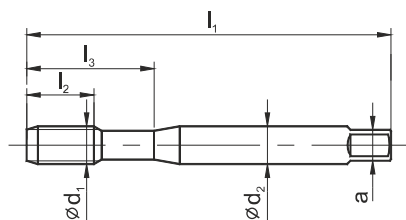
○ Bajo pedido

1

Rosca métrica paso fino ISO DIN-13

HSSE
PM

TC

DIN
371

GG

GAL

C-TC

C-IK-TC

E-TC

E-IK-TC

E-IKR-TC

C-R15-TC

E-R15-IK-TC



Material

P M K
N S HP M K
N S HP M K
N S HP M K
N S HP M K
N S HP M K
N S HP M K
N S H

Tipo de agujero



Calidad de material

HSSE-PM

HSSE-PM

HSSE-PM

HSSE-PM

HSSE-PM

HSSE-PM

HSSE-PM

Recubrimiento

TC

TC

TC

TC

TC

TC

TC

Chafilán

C / 2-3P

C / 2-3P

E / 1,5-2P

E / 1,5-2P

E / 1,5-2P

C / 2-3P

E / 1,5-2P

MF Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-371							
									Tol.	6HX	6HX	6HX	6HX	6HX	6HX	6HX
									INDEX	C2-125501	C4-125551	C2-145501	C4-145551	C4-145561	C2-505601	C4-655601
M8x1	1,00	90	20	35	8,0	6,2	7,00	0083	●	○	●	○	○	○	●	○
M10x0,75	0,75	90	20	35	10,0	8,0	9,20	0102	○	○	○	○	○	○	○	○
M10x1	1,00	90	20	35	10,0	8,0	9,00	0103	●	○	●	○	○	○	●	○
M10x1,25	1,25	100	20	39	10,0	8,0	8,80	0104	○	○	●	○	○	○	●	○

ISO	Vc (m/min)						
P	-	-	-	-	-	-	-
M	-	-	-	-	-	-	-
K	1-60	1-60	1-60	1-60	1-60	-	-
N	-	-	-	-	-	10-30	10-30
S	-	-	-	-	-	-	-

Rosca métrica paso fino ISO DIN-13							GG					GAL	
							C-TC	C-IK-TC	E-TC	E-IK-TC	E-IKR-TC	C-R15-TC	E-R15-IK-TC
60° P HSSE PM TC DIN 374 <													

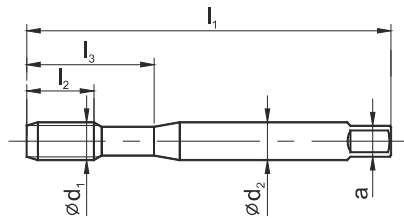
1

Rosca métrica paso fino ISO DIN-13

S-NC

HSSE
PM

TC

DIN
371

B-TC

C-R45-TC

C-R45-IK-TC



Material

P M K
N S HP M K
N S HP M K
N S H

Tipo de agujero



< 3d



< 2,5d



< 2,5d

Calidad de material

HSSE-PM

HSSE-PM

HSSE-PM

Recubrimiento

TC

TC

TC

Chafilán

B / 4-5P

C / 2-3P

C / 2-3P

MF $\varnothing d_1$	P	l_1	l_2	l_2 R45	l_3	$\varnothing d_2$	a		Norm	DIN-371						
									Tol.	6HX	6HX	6HX				
									INDEX	C4-115301	C4-525301	C4-525351				
M4x0,5	0,50	63	12	7	21	4,5	3,4	3,50	0041	o	o	o				
M5x0,5	0,50	70	14	8	25	6,0	4,9	4,50	0051	o	o	o				
M6x0,75	0,75	80	14	10	30	6,0	4,9	5,20	0062	o	o	o				
M8x0,75	0,75	80	18	10	30	8,0	6,2	7,20	0082	●	●	o				
M8x1	1,00	90	20	13	35	8,0	6,2	7,00	0083	o	o	o				
M10x0,75	0,75	90	20	13	35	10,0	8,0	9,20	0102	o	o	o				
M10x1	1,00	90	20	13	35	10,0	8,0	9,00	0103	●	●	o				
M10x1,25	1,25	100	20	15	39	10,0	8,0	8,80	0104	o	o	o				

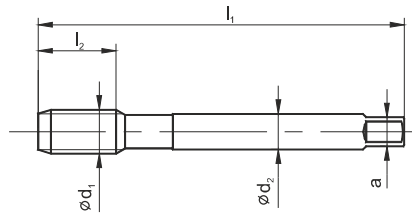
ISO	Vc (m/min)						
P	5-50	5-50	5-60				
M	5-20	5-20	5-30				
K	5-40	5-40	5-60				
N	5-40	5-40	5-60				
S	1-8	1-8	1-8				

Rosca métrica paso fino ISO DIN-13

S-NC


HSSE
PM

TC

DIN
374


B-TC

C-R45-TC

C-R45-IK-TC



Material

P M K
N S H

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

PM/HSSE

PM/HSSE

PM/HSSE

Recubrimiento

TC

TC

TC

Chafilán

B / 4-5P

C / 2-3P

C / 2-3P

MF Ød ₁	P	I ₁	I ₂	I ₂ R45	I ₃	Ød ₂	a		Norm	DIN-374						
										Tol.	6HX	6HX	6HX			
										INDEX	D4-115301	D4-525301	D4-525351			
M8x1	1,00	90	20	10	-	6,0	4,9	7,00	0083	o	o	o				
M10x1	1,00	90	20	10	-	7,0	5,5	9,00	0103	o	o	o				
M10x1,25	1,25	100	20	15	-	7,0	5,5	8,80	0104	o	o	o				
M11x1	1,00	90	20	10	-	8,0	6,2	10,00	0113	o	o	o				
M12x1	1,00	100	20	10	-	9,0	7,0	11,00	0123	o	o	o				
M12x1,25	1,25	100	20	15	-	9,0	7,0	10,80	0124	o	o	o				
M12x1,5	1,50	100	20	15	-	9,0	7,0	10,50	0125	●	●	o				
M14x1	1,00	100	20	10	-	11,0	9,0	13,00	0143	o	o	o				
M14x1,25	1,25	100	20	15	-	11,0	9,0	12,80	0144	o	o	o				
M14x1,5	1,50	100	20	15	-	11,0	9,0	12,50	0145	●	●	o				
M15x1	1,00	100	20	10	-	12,0	9,0	14,00	0153	o	o	o				
M16x1	1,00	100	20	10	-	12,0	9,0	15,00	0163	o	o	o				
M16x1,5	1,50	100	20	15	-	12,0	9,0	14,50	0165	●	●	o				

ISO	Vc (m/min)						
P	5-50	5-50	5-60				
M	5-20	5-20	5-30				
K	5-40	5-40	5-60				
N	5-40	5-40	5-60				
S	1-8	1-8	1-8				

Ejemplo de pedido

D4-115301-0144

Machos S-NC M14x1,25-6HX DIN-374 B HSSE-PM TC

● Disponible en almacén

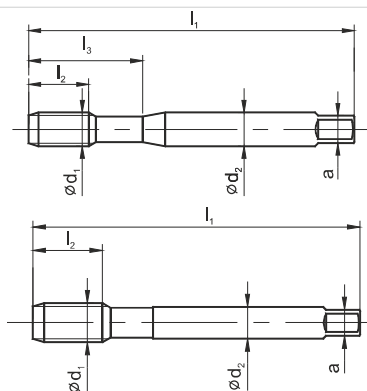
○ Bajo pedido

1

Rosca métrica paso fino ISO DIN-13



HSS

DIN
2181

Material



Tipo de agujero



Calidad de material

HSS

Recubrimiento

Chafilán

~3P

MF Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-2181					
								Tol.	ISO2 (6H)					
								INDEX	E1-131001					
M4x0,5	0,50	45	10	18,0	4,5	3,4	3,5	0041	o					
M4,5x0,5	0,50	50	12	22,0	6,0	4,9	4,0	0046	o					
M5x0,5	0,50	52	13	22,0	6,0	4,9	4,5	0051	o					
M5,5x0,5	0,50	56	13	24,0	6,0	4,9	5,0	0056	o					
M6x0,75	0,75	56	14	24,0	6,0	4,9	5,2	0062	●					
M7x0,75	0,75	56	14	-	6,0	4,9	6,2	0072	o					
M8x0,75	0,75	63	14	-	6,0	4,9	7,2	0082	●					
M8x1	1,00	63	17	-	6,0	4,9	7,0	0083	●					
M9x0,75	0,75	63	14	-	7,0	5,5	8,2	0092	o					
M9x1	1,00	63	17	-	7,0	5,5	8,0	0093	o					
M10x0,75	0,75	63	18	-	7,0	5,5	9,2	0102	o					
M10x1	1,00	63	18	-	7,0	5,5	9,0	0103	●					
M10x1,25	1,25	70	22	-	7,0	5,5	8,8	0104	●					
M11x0,75	0,75	63	18	-	8,0	6,2	10,2	0112	o					
M11x1	1,00	63	18	-	8,0	6,2	10,0	0113	o					
M12x1	1,00	70	18	-	9,0	7,0	11,0	0123	●					
M12x1,25	1,25	70	20	-	9,0	7,0	10,8	0124	●					
M12x1,5	1,50	70	20	-	9,0	7,0	10,5	0125	●					
M14x1	1,00	70	18	-	11,0	9,0	13,0	0143	o					
M14x1,25	1,25	70	20	-	11,0	9,0	12,8	0144	●					
M14x1,5	1,50	70	20	-	11,0	9,0	12,5	0145	●					
M15x1	1,00	70	18	-	12,0	9,0	14,0	0153	o					
M15x1,5	1,50	70	20	-	12,0	9,0	13,5	0155	o					
M16x1	1,00	80	18	-	12,0	9,0	15,0	0163	o					
M16x1,25	1,25	80	18	-	18,0	9,0	14,8	0164	o					
M16x1,5	1,50	80	22	-	12,0	9,0	14,5	0165	●					
M17x1	1,00	80	18	-	12,0	9,0	16,0	0173	o					
M17x1,5	1,50	80	22	-	12,0	9,0	15,5	0175	o					
M18x1	1,00	80	18	-	14,0	11,0	17,0	0183	o					
M18x1,5	1,50	80	22	-	14,0	11,0	16,5	0185	●					
M18x2	2,00	80	22	-	14,0	11,0	16,0	0186	o					
M20x1	1,00	80	18	-	16,0	12,0	19,0	0203	o					

● Disponible en almacén

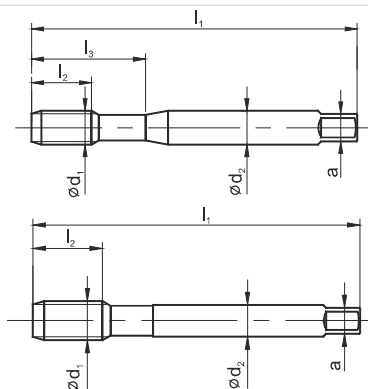
○ Bajo pedido

ISO	Vc (m/min)					
P	5-20					
M	-					
K	-					
N	-					
S	-					

Rosca métrica paso fino ISO DIN-13



HSS

DIN
2181


Material



Tipo de agujero



Calidad de material

HSS

Recubrimiento

Chafilán

~3P

MF Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-2181					
								Tol.	ISO2 (6H)					
								INDEX	E1-131001					
M20x1,5	1,50	80	22	-	16	12,0	18,5	0205	●					
M20x2	2,00	80	22	-	16	12,0	18,0	0206	○					
M22x1	1,00	80	18	-	18	14,5	21,0	0223	○					
M22x1,5	1,5	80	22	-	18	14,5	20,5	0225	●					
M22x2	2,0	80	22	-	18	14,5	20,0	0226	○					
M24x1	1,0	90	18	-	18	14,5	23,0	0243	○					
M24x1,5	1,5	90	22	-	18	14,5	22,5	0245	●					
M24x2	2,0	90	22	-	18	14,5	22,0	0246	●					
M25x1	1,0	90	18	-	18	14,5	24,0	0253	○					
M25x1,5	1,5	90	22	-	18	14,5	23,5	0255	●					
M25x2	2,0	90	22	-	18	14,5	23,0	0256	○					
M26x1,5	1,5	90	22	-	18	14,5	24,5	0265	●					
M27x1	1,0	90	20	-	20	16,0	26,0	0273	○					
M27x1,5	1,5	90	22	-	20	16,0	25,5	0275	○					
M27x2	2,0	90	22	-	20	16,0	25,0	0276	○					
M28x1	1,0	90	20	-	20	16,0	27,0	0283	○					
M28x1,5	1,5	90	22	-	20	16,0	26,5	0285	○					
M28x2	2,0	90	22	-	20	16,0	26,0	0286	○					
M30x1	1,0	90	22	-	22	18,0	29,0	0303	○					
M30x1,5	1,5	90	22	-	22	18,0	28,5	0305	●					
M30x2	2,0	90	22	-	22	18,0	28,0	0306	○					
M30x3	3,0	125	36	-	22	18,0	27,0	0307	○					
M32x1,5	1,5	90	22	-	22	18,0	30,5	0325	○					
M32x2	2,0	90	22	-	22	18,0	30,0	0326	○					
M33x1,5	1,5	100	25	-	25	20,0	31,5	0335	○					
M33x2	2,0	100	25	-	25	20,0	31,0	0336	○					
M33x3	3,0	125	36	-	25	20,0	30,0	0337	○					
M35x1,5	1,5	100	25	-	28	22,0	33,5	0355	○					
M36x1,5	1,5	100	25	-	28	22,0	34,5	0365	○					
M36x2	2,0	125	36	-	28	22,0	34,0	0366	○					
M36x3	3,0	125	36	-	28	22,0	33,0	0367	○					
M38x1,5	1,5	100	25	-	28	22,0	36,5	0385	○					

● Disponible en almacén

○ Bajo pedido

Ejemplo de pedido

E1-131001-0205
Machos M20x1,5-6H DIN-2181 HSS

ISO	Vc (m/min)					
P	5-20					
M	-					
K	-					
N	-					
S	-					

1

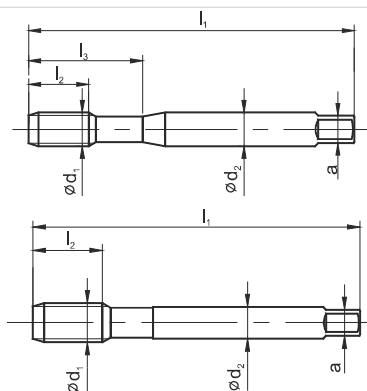


1

Rosca métrica paso fino ISO DIN-13



HSS

DIN
2181

Material



Tipo de agujero



Calidad de material

HSS

Recubrimiento

Chafilán

~3P

MF ød ₁	P	l ₁	l ₂	l ₃	ød ₂	a		Norm	DIN-2181					
								Tol.	ISO2 (6H)					
								INDEX	E1-131001					
M39x1,5	1,5	110	25	-	32	24	37,5	0395	o					
M39x2	2,0	125	36	-	32	24	37,0	0396	o					
M39x3	3,0	125	36	-	32	24	36,0	0397	o					
M40x1,5	1,5	110	25	-	32	24	38,5	0405	o					
M40x2	2,0	125	36	-	32	24	38,0	0406	o					
M40x3	3,0	125	36	-	32	29	37,0	0407	o					
M42x1,5	1,5	110	25	-	32	24	40,5	0425	o					
M42x2	2,0	125	36	-	32	24	40,0	0426	o					
M42x3	3,0	125	36	-	32	24	39,0	0427	o					
M42x4	4,0	150	50	-	32	24	38,0	0428	o					
M45x1,5	1,5	110	25	-	36	29	43,5	0455	o					
M45x2	2,0	125	36	-	36	29	43,0	0456	o					
M45x3	3,0	125	36	-	36	29	42,0	0457	o					
M45x4	4,0	160	50	-	36	29	41,0	0458	o					
M48x1,5	1,5	140	30	-	36	29	46,5	0485	o					
M48x2	2,0	140	36	-	36	29	46,0	0486	o					
M48x3	3,0	140	36	-	36	29	45,0	0487	o					
M48x4	4,0	180	55	-	36	29	44,0	0488	o					
M50x1,5	1,5	140	30	-	36	29	48,5	0505	o					
M50x2	2,0	140	36	-	36	29	48,0	0506	o					
M50x3	3,0	140	36	-	36	29	47,0	0507	o					
M52x1,5	1,5	140	30	-	40	32	50,5	0525	o					
M52x2	2,0	140	36	-	40	32	50,0	0526	o					
M52x3	3,0	140	40	-	40	32	49,0	0527	o					
M52x4	4,0	180	55	-	40	32	48,0	0528	o					

ISO	Vc (m/min)					
P	5-20					
M	-					
K	-					
N	-					
S	-					

Rosca métrica paso fino ISO DIN-13

NUTAP



HSSE

TC

soldado

torcido



Material

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

HSSE

HSSE

Recubrimiento

TC

TC

Chafilán

12P

12P

M	P	Overall dimensions		índice	NUT TAP			
$\varnothing d_1$					On request			
M8x1	1,0	On request	7,0					
M10x1	1,0		9,0					
M12x1	1,0		11,0					
M12x1,5	1,5		10,5					
M14x1,5	1,5		12,5					
M16x1	1,0		15,0					
M16x1,5	1,5		14,5					
M18x1,5	1,5		16,5					
M20x1,5	1,5		18,5					
M20x2	2,0		18,0					
M22x1,5	1,5		20,5					
M22x2	2,0		20,0					
M24x1,5	1,5		22,5					
M24x2	2,0		22,0					
M27x1,5	1,5		25,5					
M27x2	2,0		25,0					

ISO	Vc (m/min)			
P	5-20	5-20		
M	-	-		
K	-	-		
N	-	-		
S	-	-		

Ejemplo de pedido

NUT-TAP M24x1,5 ISO2 HSSE TC

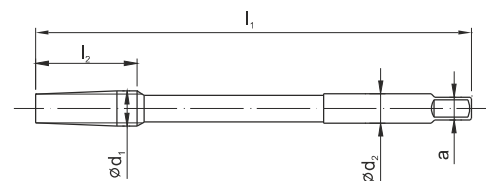
- Disponible en almacén
- Bajo pedido

1

Rosca métrica paso fino ISO DIN-13



HSS



NGMf

LH



LH

Material



Tipo de agujero



Calidad de material

HSS

HSS

Recubrimiento

Chafilán

12P

12P

MF Ød ₁	P	L ₁	L ₂	Ød ₂	a		Norm	NGMf					
								Tol.	ISO2 (6H)	ISO2 (6H)			
								INDEX	F1-151001	F1-251001			
M4,5x0,5	0,50	100	10	3,2	2,5	4,0	0046	o	o				
M5x0,5	0,50	110	10	3,6	2,8	4,5	0051	o	o				
M5,5x0,5	0,50	110	10	4,5	3,6	5,0	0056	o	o				
M6x0,75	0,75	120	16	4,5	3,6	5,2	0062	o	o				
M7x0,75	0,75	120	16	5,6	4,5	6,2	0072	o	o				
M8x0,75	0,75	140	16	6,3	5,0	7,2	0082	o	o				
M8x1	1,00	140	20	6,3	5,0	7,0	0083	●	o				
M10x0,75	0,75	160	16	8,0	6,3	9,2	0102	o	o				
M10x1	1,00	160	20	8,0	6,3	9,0	0103	●	o				
M10x1,25	1,25	160	25	8,0	6,3	8,8	0104	●	o				
M12x1	1,00	180	20	9,0	7,1	11,0	0123	●	o				
M12x1,25	1,25	180	25	9,0	7,1	10,8	0124	●	o				
M12x1,5	1,50	180	30	9,0	7,1	10,5	0125	●	o				
M14x1	1,00	180	20	10,0	8,0	13,0	0143	o	o				
M14x1,25	1,25	180	25	10,0	8,0	12,8	0144	●	o				
M14x1,5	1,50	180	30	10,0	8,0	12,5	0145	●	o				
M15x1	1,00	180	20	12,5	10,0	14,0	0153	o	o				
M15x1,5	1,50	180	30	12,5	10,0	13,5	0155	o	o				
M16x1	1,00	200	20	12,5	10,0	15,0	0163	o	o				
M16x1,5	1,50	200	30	12,5	10,0	14,5	0165	●	o				
M17x1	1,00	200	20	14,0	11,2	16,0	0173	o	o				
M17x1,5	1,50	200	30	14,0	11,2	15,5	0175	o	o				
M18x1	1,00	200	20	14,0	11,2	17,0	0183	o	o				
M18x1,5	1,50	200	30	14,0	11,2	16,5	0185	o	o				
M18x2	2,00	200	40	14,0	11,2	16,0	0186	o	o				
M20x1	1,00	220	20	16,0	12,5	19,0	0203	o	o				
M20x1,5	1,50	220	30	16,0	12,5	18,5	0205	●	o				
M20x2	2,00	220	40	16,0	12,5	18,0	0206	o	o				
M22x1	1,00	220	20	18,0	14,0	21,0	0223	o	o				
M22x1,5	1,50	220	30	18,0	14,0	20,5	0225	o	o				
M22x2	2,00	220	40	18,0	14,0	20,0	0226	o	o				
M24x1	1,00	250	20	18,0	14,0	23,0	0243	o	o				

● Disponible en almacén

○ Bajo pedido

ISO	Vc (m/min)						
P	5-20	5-20					
M	-	-					
K	6-15	6-15					
N	6-15	6-15					
S	-	-					

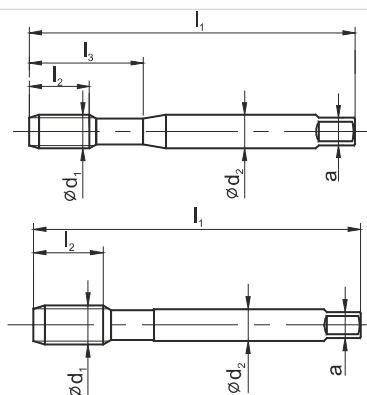
Rosca métrica paso fino ISO DIN-13								NGMf							
								LH							
Material								P M K N S H	P M K N S H						
Tipo de agujero															
Calidad de material								HSS	HSS						
Recubrimiento															
Chafilán								12P	12P						
MF Ød ₁	P	L ₁	L ₂	Ød ₂	a		Norm	NGMf							
							Tol.	ISO2 (6H)	ISO2 (6H)						
							INDEX	F1-151001	F1-251001						
M24x1,5	1,50	250	30	18,0	14,0	22,5	0245	o	o						
M24x2	2,00	250	40	18,0	14,0	22,0	0246	o	o						
M25x1	1,00	250	20	20,0	16,0	24,0	0253	o	o						
M25x1,5	1,50	250	30	20,0	16,0	23,5	0255	o	o						
M25x2	2,00	250	40	20,0	16,0	23,0	0256	o	o						
M26x1,5	1,50	250	30	20,0	16,0	24,5	0265	o	o						
M27x1	1,00	250	20	20,0	16,0	26,0	0273	o	o						
M27x1,5	1,50	250	30	20,0	16,0	25,5	0275	o	o						
M27x2	2,00	250	40	20,0	16,0	25,0	0276	o	o						
M28x1	1,00	250	20	22,4	18,0	27,0	0283	o	o						
M28x1,5	1,50	250	30	22,4	18,0	26,5	0285	o	o						
M28x2	2,00	250	40	22,4	18,0	26,0	0286	o	o						
M30x1	1,00	280	20	22,4	18,0	29,0	0303	o	o						
M30x1,5	1,50	280	30	22,4	18,0	28,5	0305	o	o						
M30x2	2,00	280	40	22,4	18,0	28,0	0306	o	o						
M30x3	3,00	280	60	22,4	18,0	27,0	0307	o	o						
M32x1,5	1,50	280	30	25,0	20,0	30,5	0325	o	o						
M32x2	2,00	280	40	25,0	20,0	30,0	0326	o	o						
M33x1,5	1,50	280	30	25,0	20,0	31,5	0335	o	o						
M33x2	2,00	280	40	25,0	20,0	31,0	0336	o	o						
M33x3	3,00	280	60	25,0	20,0	30,0	0337	o	o						
M35x1,5	1,50	280	30	28,0	22,4	33,5	0355	o	o						
M36x1,5	1,50	280	30	28,0	22,4	34,5	0365	o	o						
M36x2	2,00	280	40	28,0	22,4	34,0	0366	o	o						
M36x3	3,00	280	60	28,0	22,4	33,0	0367	o	o						
								Vc (m/min)							
ISO								P	5-20	5-20					
								M	-	-					
								K	6-15	6-15					
								N	6-15	6-15					
								S	-	-					

1

MASTER TAP

Rosca americana unificada UNC,
ANSI B-1.1HSSE
PM

HL

DIN
371DIN
376

MASTER TAP

B-HL

C-R45-HL



Material



Tipo de agujero



Calidad de material

HSSE-PM HSSE-PM

Recubrimiento

HL HL

Chafilán

B / 4-5P C / 2-3P

UNC	Ød ₁	1"/P	P	L ₁	L ₂	L ₃	Ød ₂	a		Norm	DIN-371					
										Tol.	2BX	2BX				
										Indice	C4-118M01	C4-528M01				
No2-56	2,184	56	0,455	45	10	13	2,8	2,1	1,85	4102	o	o				
No4-40	2,844	40	0,635	56	5	18	3,5	2,7	2,35	4104	•	•				
No5-40	3,175	40	0,635	56	7	18	3,5	2,7	2,65	4105	•	•				
No6-32	3,505	32	0,794	56	6	20	4,0	3,0	2,85	4106	•	•				
No8-32	4,165	32	0,794	63	7	21	4,5	3,4	3,50	4108	•	•				
No10-24	4,826	24	1,058	70	8	25	6,0	4,9	3,90	4110	•	•				
No12-24	5,486	24	1,058	80	10	30	6,0	4,9	4,50	4112	•	•				
1/4-20	6,350	20	1,270	80	13	30	7,0	5,5	5,10	4127	•	•				
5/16-18	7,938	18	1,411	90	13	35	8,0	6,0	6,60	4128	•	•				
3/8-16	9,525	16	1,588	100	15	39	10,0	8,0	8,00	4129	•	•				

UNC	Ød ₁	1"/P	P	L ₁	L ₂	L ₃	Ød ₂	a		Norm	DIN-376					
										Tol.	2BX	2BX				
										Indice	D4-118M01	D4-528M01				
7/16-14	11,112	14	1,814	100	15	-	8,0	6,2	9,40	4130	•	•				
1/2-13	12,700	13	1,954	110	18	-	9,0	7,0	10,80	4131	•	•				
9/16-12	14,288	12	2,117	110	20	-	11,0	9,0	12,20	4132	•	•				
5/8-11	15,875	11	2,309	110	22	-	12,0	9,0	13,50	4133	•	•				

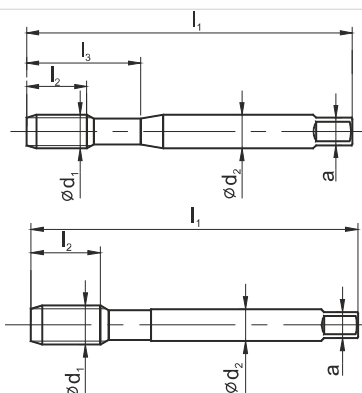
ISO	Vc (m/min)				
P	5-40	5-40			
M	5-15	5-15			
K	10-30	10-30			
N	10-30	10-30			
S	1-8	1-8			

Rosca americana unificada UNC,
ANSI B-1.1


HSSE

TN2

DIN
371

DIN
376


800X

B-TN2

C-R40-TN2



Material



Tipo de agujero



Calidad de material

HSSE

HSSE

Recubrimiento

TN2

TN2

Chafilán

B / 4-5P

C / 2-3P

UNC	$\varnothing d_1$	1"/P	P	L_1	L_2	L_2 R40	L_3	$\varnothing d_2$	a		Norm	DIN-371					
											Tol.	2B	2B				
											Indice	C2-113X01	C2-513X01				
No2-56	2,184	56	0,455	45	10	10	13	2,8	2,1	1,85	4102	o	o				
No4-40	2,844	40	0,635	56	10	5	18	3,5	2,7	2,35	4104	•	•				
No5-40	3,175	40	0,635	56	10	7	18	3,5	2,7	2,65	4105	•	•				
No6-32	3,505	32	0,794	56	12	6	20	4,0	3,0	2,85	4106	•	•				
No8-32	4,165	32	0,794	63	12	7	21	4,5	3,4	3,50	4108	•	•				
No10-24	4,826	24	1,058	70	14	8	25	6,0	4,9	3,90	4110	•	•				
No12-24	5,486	24	1,058	80	18	10	30	6,0	4,9	4,50	4112	•	•				
1/4-20	6,350	20	1,270	80	18	13	30	7,0	5,5	5,10	4127	•	•				
5/16-18	7,938	18	1,411	90	20	13	35	8,0	6,0	6,60	4128	•	•				
3/8-16	9,525	16	1,588	100	20	15	39	10,0	8,0	8,00	4129	•	•				

UNC	$\varnothing d_1$	1"/P	P	L_1	L_2	L_2 R40	L_3	$\varnothing d_2$	a		Norm	DIN-376					
											Tol.	2B	2B				
											Indice	D2-113X01	D2-513X01				
7/16-14	11,112	14	1,814	100	22	15	-	8,0	6,2	9,40	4130	•	•				
1/2-13	12,700	13	1,954	110	24	18	-	9,0	7,0	10,80	4131	•	•				
9/16-12	14,288	12	2,117	110	25	20	-	11,0	9,0	12,20	4132	•	•				
5/8-11	15,875	11	2,309	110	32	22	-	12,0	9,0	13,50	4133	•	•				
3/4-10	19,050	10	2,504	125	32	25	-	14,0	11,0	16,50	4135	•	•				
7/8-9	22,225	9	2,822	140	32	30	-	18,0	14,5	19,50	4137	•	•				
1-8	25,400	8	3,175	160	38	30	-	20,0	16,0	22,25	4139	•	•				
1.1/8-7	28,575	7	3,629	180	40	40	-	22,0	18,0	25,00	4141	o	o				
1.1/4-7	31,750	7	3,629	180	40	40	-	22,0	18,0	28,00	4143	o	o				
1.3/8-6	34,925	6	4,233	200	50	40	-	28,0	22,0	30,75	4145	o	o				
1.1/2-6	38,100	6	4,233	200	55	40	-	28,0	22,0	34,00	4147	o	o				

ISO	Vc (m/min)					
P	5-35	5-35				
M	5-15	5-15				
K	5-25	5-25				
N	10-30	10-30				
S	-	-				

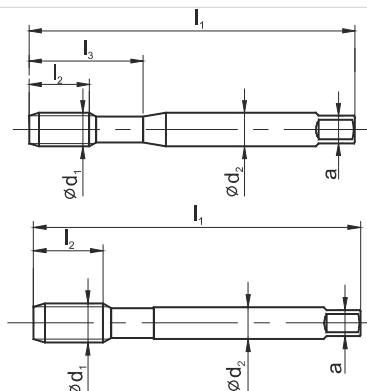
Ejemplo de pedido

C2-113X01-4105
Machos 800X No5-40 UNC 2B DIN-371 HSSE TN2

● Disponible en almacén
○ Bajo pedido

Rosca americana unificada UNC,
ANSI B-1.1

HSSE

DIN
371DIN
376

800

B

C-R40



Material



Tipo de agujero



Calidad de material

HSSE

HSSE

Recubrimiento

Chafilán

B / 4-5P

C / 2-3P

UNC	Ød ₁	1"/P	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-371					
											Tol.	2B	2B				
											Indice	C2-111101	C2-511101				
No2-56	2,184	56	0,455	45	10	10	13	2,8	2,1	1,85	4102	○	○				
No4-40	2,844	40	0,635	56	10	5	18	3,5	2,7	2,35	4104	●	●				
No5-40	3,175	40	0,635	56	10	7	18	3,5	2,7	2,65	4105	●	●				
No6-32	3,505	32	0,794	56	12	6	20	4,0	3,0	2,85	4106	●	●				
No8-32	4,165	32	0,794	63	12	7	21	4,5	3,4	3,50	4108	●	●				
No10-24	4,826	24	1,058	70	14	8	25	6,0	4,9	3,90	4110	●	●				
No12-24	5,486	24	1,058	80	18	10	30	6,0	4,9	4,50	4112	●	●				
1/4-20	6,350	20	1,270	80	18	13	30	7,0	5,5	5,10	4127	●	●				
5/16-18	7,938	18	1,411	90	20	13	35	8,0	6,0	6,60	4128	●	●				
3/8-16	9,525	16	1,588	100	20	15	39	10,0	8,0	8,00	4129	●	●				

UNC	Ød ₁	1"/P	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-376					
											Tol.	2B	2B				
											Indice	D2-111101	D2-511101				
7/16-14	11,112	14	1,814	100	22	15	-	8,0	6,2	9,40	4130	●	●				
1/2-13	12,700	13	1,954	110	24	18	-	9,0	7,0	10,80	4131	●	●				
9/16-12	14,288	12	2,117	110	25	20	-	11,0	9,0	12,20	4132	●	●				
5/8-11	15,875	11	2,309	110	32	22	-	12,0	9,0	13,50	4133	●	●				
3/4-10	19,050	10	2,504	125	32	25	-	14,0	11,0	16,50	4135	●	●				
7/8-9	22,225	9	2,822	140	32	30	-	18,0	14,5	19,50	4137	●	●				
1-8	25,400	8	3,175	160	38	30	-	20,0	16,0	22,25	4139	●	●				
1.1/8-7	28,575	7	3,629	180	40	40	-	22,0	18,0	25,00	4141	●	●				
1.1/4-7	31,750	7	3,629	180	40	40	-	22,0	18,0	28,00	4143	●	●				
1.3/8-6	34,925	6	4,233	200	50	40	-	28,0	22,0	30,75	4145	●	●				
1.1/2-6	38,100	6	4,233	200	55	40	-	28,0	22,0	34,00	4147	●	●				

ISO Vc (m/min)

P 5-20 5-20

M - -

K 5-15 5-15

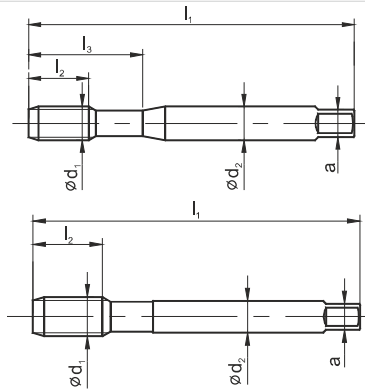
N 5-25 5-25

S - -

Rosca americana unificada UNC, ANSI B-1.1



HSS

DIN
352


Material



Tipo de agujero



Calidad de material

HSS

Recubrimiento

Chafilán

D/~3P

UNC	Ød ₁	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-352					
										Tol.	2B					
										Indice	E1-131001					
No4-40	2,844	40	0,635	40	10	18	3,5	2,7	2,35	4104	o					
No5-40	3,175	40	0,640	42	10	18	3,5	2,7	2,65	4105	o					
No6-32	3,505	32	0,794	45	11	18	4,0	3,0	2,85	4106	●					
No8-32	4,166	32	0,794	48	12	23	4,5	3,4	3,50	4108	o					
No10-24	4,826	24	1,060	52	14	26	6,0	4,9	3,90	4110	o					
No12-24	5,486	24	1,060	56	16	27	6,0	4,9	4,50	4112	o					
1/4-20	6,350	20	1,270	56	16	27	6,0	4,9	5,20	4127	●					
5/16-18	7,938	18	1,411	63	20	-	6,0	4,9	6,60	4128	●					
3/8-16	9,525	16	1,588	70	22	-	7,0	5,5	8,00	4129	●					
7/16-14	11,112	14	1,814	70	22	-	8,0	6,2	9,40	4130	o					
1/2-13	12,700	13	1,954	80	25	-	9,0	7,0	10,80	4131	●					
9/16-12	14,288	12	2,117	80	26	-	11,0	9,0	12,20	4132	o					
5/8-11	15,875	11	2,309	80	27	-	12,0	9,0	13,50	4133	●					
3/4-10	19,050	10	2,504	95	30	-	14,0	11,0	16,50	4135	●					
7/8-9	22,225	9	2,822	100	32	-	18,0	14,5	19,50	4137	o					
1-8	25,400	8	3,175	110	36	-	18,0	14,5	22,25	4139	o					
1.1/8-7	28,575	7	3,629	125	40	-	22,0	18,0	25,00	4141	o					
1.1/4-7	31,750	7	3,629	125	40	-	22,0	18,0	28,00	4143	o					
1.3/8-6	34,925	6	4,233	150	50	-	28,0	22,0	30,75	4145	o					
1.1/2-6	38,100	6	4,233	150	50	-	28,0	22,0	34,00	4147	o					
1.3/4-5	44,450	5	5,080	160	58	-	36,0	29,0	39,50	4145	o					
2-4, 1/2	50,800	4 1/2	5,644	180	65	-	40,0	32,0	45,00	4155	o					

ISO		Vc (m/min)				
P	5-20					
M	-					
K	-					
N	-					
S	-					

Ejemplo de pedido

E1-131001-4106

Machos No6-32 UNC 2B DIN-352 HSS

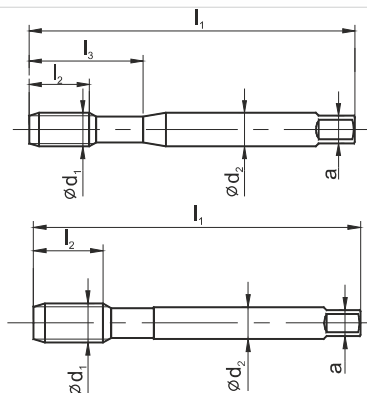
● Disponible en almacén

○ Bajo pedido

1

MASTER TAP

Rosca americana unificada paso fino
UNF, ANSI B-1.1

HSSE
PM
HL
DIN
371

MASTER TAP

B-HL

C-R45-HL



Material



Tipo de agujero



Calidad de material

HSSE-PM HSSE-PM

Recubrimiento

HL HL

Chafilán

B / 4-5P C / 2-3P

UNF	Ød ₁	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-371					
										Tol.	2BX	2BX				
										Indice	C4-118M01	C4-528M01				
No4-48	2,844	48	0,529	56	5	18	3,5	2,7	2,40	4204	●	●				
No5-44	3,175	44	0,557	56	7	18	3,5	2,7	2,70	4205	●	●				
No6-40	3,505	40	0,635	56	6	20	4,0	3,0	2,95	4206	●	●				
No8-36	4,165	36	0,705	63	7	21	4,5	3,4	3,50	4208	●	●				
No10-32	4,826	32	0,794	70	8	25	6,0	4,9	4,10	4210	●	●				
No12-28	5,486	28	0,907	80	10	30	6,0	4,9	4,60	4212	●	●				
1/4-28	6,350	28	0,907	80	10	30	7,0	5,5	5,50	4227	●	●				
5/16-24	7,938	24	1,058	90	13	35	8,0	6,0	6,90	4228	●	●				
3/8-24	9,525	24	1,058	100	15	39	10,0	8,0	8,50	4229	●	●				

UNF	Ød ₁	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-374					
										Tol.	2BX	2BX				
										Indice	D4-118M01	D4-528M01				
7/16-20	11,112	20	1,270	100	15	-	8,0	6,2	9,90	4230	●	●				
1/2-20	12,700	20	1,270	100	15	-	9,0	7,0	11,50	4231	●	●				
9/16-18	14,288	18	1,411	100	15	-	11,0	9,0	12,90	4232	●	●				
5/8-18	15,875	18	1,411	100	15	-	12,0	9,0	14,50	4233	●	●				

ISO	Vc (m/min)					
P	5-40	5-40				
M	5-15	5-15				
K	10-30	10-30				
N	10-30	10-30				
S	1-8	1-8				

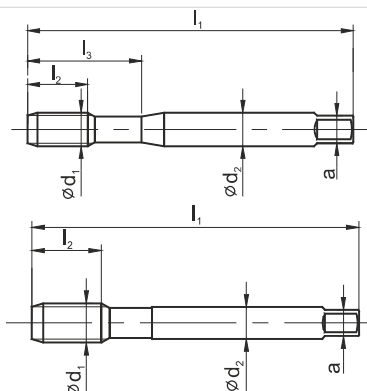
Rosca americana unificada paso fino UNF, ANSI B-1.1



HSSE

TN2

DIN
371

DIN
374


800X

B-TN2

C-R40-TN2



Material



Tipo de agujero



Calidad de material

HSSE HSSE

Recubrimiento

TN2 TN2

Chafilán

B / 4-5P C / 2-3P

UNF	$\varnothing d_1$	1"/P	P	l_1	l_2	l_3	$\varnothing d_2$	a		Norm	DIN-371					
										Tol.	2B	2B				
										índice	C2-113X01	C2-513X01				
No6-40	3,505	40	0,635	56	12	6	20	4,0	3,0	2,95	4206	o	o			
No8-36	4,165	36	0,705	63	12	7	21	4,5	3,4	3,50	4208	o	o			
No10-32	4,826	32	0,794	70	14	8	25	6,0	4,9	4,10	4210	•	•			
No12-28	5,486	28	0,907	80	18	10	30	6,0	4,9	4,60	4212	•	•			
1/4-28	6,350	28	0,907	80	18	10	30	7,0	5,5	5,50	4227	•	•			
5/16-24	7,938	24	1,058	90	20	13	35	8,0	6,0	6,90	4228	•	•			
3/8-24	9,525	24	1,058	100	20	15	39	10,0	8,0	8,50	4229	•	•			

UNF	$\varnothing d_1$	1"/P	P	l_1	l_2	l_3	$\varnothing d_2$	a		Norm	DIN-374					
										Tol.	2B	2B				
										índice	D2-113X01	D2-513X01				
7/16-20	11,112	20	1,270	100	20	15	-	8,0	6,2	9,90	4230	•	•			
1/2-20	12,700	20	1,270	100	20	15	-	9,0	7,0	11,50	4231	•	•			
9/16-18	14,288	18	1,411	100	20	15	-	11,0	9,0	12,90	4232	•	•			
5/8-18	15,875	18	1,411	100	20	15	-	12,0	9,0	14,50	4233	•	•			
3/4-16	19,050	16	1,588	110	24	17	-	14,0	11,0	17,50	4235	•	•			
7/8-14	22,225	14	1,814	125	24	17	-	18,0	14,5	20,40	4237	•	•			
1-12	25,400	12	2,117	140	27	20	-	18,0	14,5	23,25	4239	•	•			
1.1/8-12	28,575	12	2,117	150	27	22	-	22,0	18,0	26,50	4241	o	o			
1.1/4-12	31,750	12	2,117	150	27	22	-	22,0	18,0	29,50	4243	o	o			
1.3/8-12	34,925	12	2,117	170	30	22	-	28,0	22,0	32,75	4245	o	o			
1.1/2-12	38,100	12	2,117	170	30	24	-	28,0	22,0	36,00	4247	o	o			

ISO		Vc (m/min)				
P	5-35	5-35				
M	5-15	5-15				
K	5-25	10-25				
N	10-30	10-30				
S	-	-				

Ejemplo de pedido

C2-113X01-4208
Machos 800X No8-36 UNF 2B DIN-371 B HSSE TN2

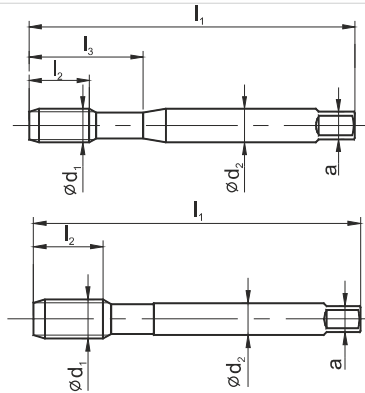
● Disponible en almacén
○ Bajo pedido

1

Rosca americana unificada paso fino UNF, ANSI B-1.1



HSSE

DIN
371DIN
374

800

B

C-R40



Material



Tipo de agujero



Calidad de material

HSSE

HSSE

Recubrimiento

Chafilán

B / 4-5P

C / 2-3P

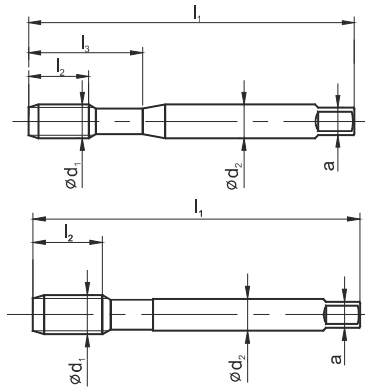
UNF	Ød ₁	1"/P	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-371					
											Tol.	2B	2B				
											índice	C2-111101	C2-511101				
No6-40	3,505	40	0,635	56	12	6	20	4,0	3,0	2,95	4206	○	○				
No8-36	4,165	36	0,705	63	12	7	21	4,5	3,4	3,50	4208	○	○				
No10-32	4,826	32	0,794	70	14	8	25	6,0	4,9	4,10	4210	●	●				
No12-28	5,486	28	0,907	80	18	10	30	6,0	4,9	4,60	4212	●	●				
1/4-28	6,350	28	0,907	80	18	10	30	7,0	5,5	5,50	4227	●	●				
5/16-24	7,938	24	1,058	90	20	13	35	8,0	6,0	6,90	4228	●	●				
3/8-24	9,525	24	1,058	100	20	15	39	10,0	8,0	8,50	4229	●	●				

UNF	Ød ₁	1"/P	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-374					
											Tol.	2B	2B				
											índice	D2-111101	D2-511101				
7/16-20	11,112	20	1,270	100	20	15	-	8,0	6,2	9,90	4230	●	●				
1/2-20	12,700	20	1,270	100	20	15	-	9,0	7,0	11,50	4231	●	●				
9/16-18	14,288	18	1,411	100	20	15	-	11,0	9,0	12,90	4232	●	●				
5/8-18	15,875	18	1,411	100	20	15	-	12,0	9,0	14,50	4233	●	●				
3/4-16	19,050	16	1,588	110	24	17	-	14,0	11,0	17,50	4235	●	●				
7/8-14	22,225	14	1,814	125	24	17	-	18,0	14,5	20,40	4237	●	●				
1-12	25,400	12	2,117	140	27	20	-	18,0	14,5	23,25	4239	●	●				
1.1/8-12	28,575	12	2,117	150	27	22	-	22,0	18,0	26,50	4241	○	○				
1.1/4-12	31,750	12	2,117	150	27	22	-	22,0	18,0	29,50	4243	○	○				
1.3/8-12	34,925	12	2,117	170	30	22	-	28,0	22,0	32,75	4245	○	○				
1.1/2-12	38,100	12	2,117	170	30	24	-	28,0	22,0	36,00	4247	○	○				
												Vc (m/min)					
												ISO					
												P	5-20	5-20			
												M	-	-			
												K	5-15	5-15			
												N	5-25	5-25			
												S	-	-			

Rosca americana unificada paso fino UNF, ANSI B-1.1



HSS

DIN
2181


Material



Tipo de agujero



Calidad de material

HSS

Recubrimiento

Chafilán

~3P

UNC	Ød ₁	1"/P	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-2181				
										Tol.	2B				
										Indice	E1-131001				
No5-44	3,175	44	0,577	42	10	18	3,5	2,7	2,70	4205	o				
No6-40	3,505	40	0,635	45	11	18	4,0	3,0	2,95	4206	o				
No8-36	4,165	36	0,705	48	12	23	4,5	3,4	3,50	4208	o				
No10-32	4,826	32	0,794	52	14	22	6,0	4,9	4,10	4210	o				
No12-28	5,486	28	0,907	56	16	24	6,0	4,9	4,60	4212	o				
1/4-28	6,350	28	0,907	56	16	24	6,0	4,9	5,50	4227	●				
5/16-24	7,938	24	1,058	63	17	-	6,0	4,9	6,90	4228	●				
3/8-24	9,525	24	1,058	63	18	-	7,0	5,5	8,50	4229	●				
7/16-20	11,112	20	1,270	70	22	-	8,0	6,2	9,90	4230	●				
1/2-20	12,700	20	1,270	70	20	-	9,0	7,0	11,50	4231	●				
9/16-18	14,288	18	1,411	80	20	-	11,0	9,0	12,90	4232	●				
5/8-18	15,875	18	1,411	80	20	-	12,0	9,0	14,50	4233	●				
3/4-16	16,050	16	1,588	80	22	-	14,0	11,0	17,50	4235	●				
7/8-14	22,225	14	1,814	80	22	-	18,0	14,5	20,40	4237	o				
1-12	25,400	12	2,117	90	22	-	18,0	14,5	23,25	4239	o				
1.1/8-12	28,575	12	2,117	90	22	-	22,0	18,0	26,50	4242	o				
1.1/4-12	31,750	12	2,117	90	22	-	22,0	18,0	29,50	4243	o				
1.3/8-12	34,925	12	2,117	125	36	-	28,0	22,0	32,75	4245	o				
1.1/2-12	38,100	12	2,117	125	36	-	28,0	22,0	36,00	4247	o				

ISO		Vc (m/min)			
P	5-20				
M	-				
K	-				
N	-				
S	-				

Ejemplo de pedido

E1-131001-4227
Machos 1/4-28 UNF 2B DIN-2181 HSS

● Disponible en almacén
○ Bajo pedido

1

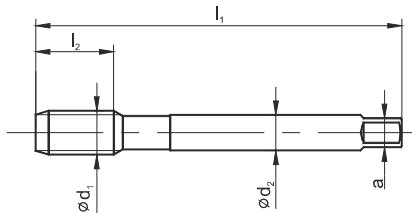
Rosca americana ordinaria paso fino
UNF, ANSI B-1.1



HSSE

TN2

DIN
~374



800X

B-TN2

C-R40-TN2



Material

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

HSSE

HSSE

Recubrimiento

TN2

TN2

Chafilán

B / 4-5P

C / 2-3P

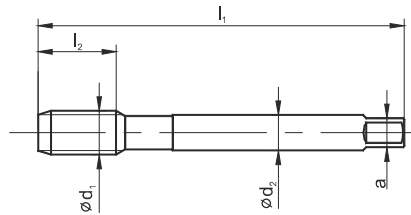
UNEF	Ød ₁	1"/P	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	~DIN-374					
											Tol.	2B	2B				
											Indice	D2-113X01	D2-513X01				
1/4-32	6,350	32	0,794	80	14	8	-	4,5	3,4	5,55	4327	o	o				
5/16-32	7,938	32	0,794	80	14	8	-	6,0	4,9	7,15	4328	o	o				
3/8-32	9,525	32	0,794	90	18	8	-	7,0	5,5	8,70	4329	o	o				
7/16-28	11,112	28	0,907	90	18	10	-	8,0	6,2	10,20	4330	o	o				
1/2-28	12,700	28	0,907	100	18	10	-	9,0	7,0	11,80	4331	o	o				
9/16-24	14,288	24	1,058	100	18	11	-	11,0	9,0	13,20	4332	o	o				
5/8-24	15,875	24	1,058	100	18	11	-	12,0	9,0	14,80	4333	o	o				
3/4-20	19,050	20	1,270	110	25	13	-	14,0	11,0	17,80	4335	o	o				
7/8-20	22,225	20	1,270	125	25	13	-	18,0	14,5	20,95	4337	o	o				
1-20	25,400	20	1,270	140	28	13	-	18,0	14,5	24,15	4339	o	o				
												Vc (m/min)					
ISO												P	5-35	5-35			
												M	5-15	5-15			
												K	5-25	10-25			
												N	10-30	10-30			
												S	-	-			

**Rosca americana ordinaria paso fino
UNF, ANSI B-1.1**



HSSE

**DIN
~374**



800

B

C-R40



Material

P

M

K

N

S

H

P

M

K

N

S

H

Tipo de agujero



< 3d



< 2.5d

Calidad de material

HSSE

HSSE

Recubrimiento

Chafilán

B / 4-5P

C / 2-3P

UNE	Ød ₁	1"/P	P	I ₁	I ₂	I ₂ R40	I ₃	Ød ₂	a		Norm	~DIN-374			
											Tol.	2B	2B		
											Indice	D2-111101	D2-511101		
1/4-32	6,350	32	0,794	80	14	8	-	4,5	3,4	5,55	4327	o	o		
5/16-32	7,938	32	0,794	80	14	8	-	6,0	4,9	7,15	4328	o	o		
3/8-32	9,525	32	0,794	90	18	8	-	7,0	5,5	8,70	4329	o	o		
7/16-28	11,112	28	0,907	90	18	10	-	8,0	6,2	10,20	4330	o	o		
1/2-28	12,700	28	0,907	100	18	10	-	9,0	7,0	11,80	4331	o	o		
9/16-24	14,288	24	1,058	100	18	11	-	11,0	9,0	13,20	4332	o	o		
5/8-24	15,875	24	1,058	100	18	11	-	12,0	9,0	14,80	4333	o	o		
3/4-20	19,050	20	1,270	110	25	13	-	14,0	11,0	17,80	4335	o	o		
7/8-20	22,225	20	1,270	125	25	13	-	18,0	14,5	20,95	4337	o	o		
1-20	25,400	20	1,270	140	28	13	-	18,0	14,5	24,15	4339	o	o		

ISO		Vc (m/min)			
P	5-20	5-20			
M	-	-			
K	5-15	5-15			
N	5-25	5-25			
S	-	-			

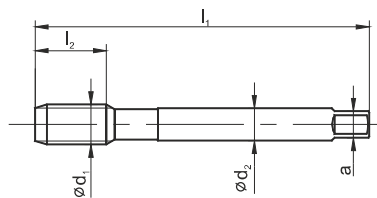
1

MASTER TAP

Rosca Whitworth de tubo G, DIN-ISO 228

HSSE
PM

HL

DIN
5156

MASTER TAP

B-HL

C-R45-HL



Material

P	M	K
N	S	H

P	M	K
N	S	H

Tipo de agujero



Calidad de material

HSSE-PM

HSSE-PM

Recubrimiento

HL

HL

Chafilán

B / 4-5P

C / 2-3P

G	Ød ₁	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-5156					
										Tol.						
										Indice	D4-118M01	D4-528M01				
G1/16	7,723	28	0,907	90	10		6,0	4,9	6,80	3121	o	o				
G1/8	9,728	28	0,907	90	10		7,0	5,5	8,80	3123	•	•				
G1/4	13,157	19	1,337	100	14		11,0	9,0	11,80	3127	•	•				
G3/8	16,662	19	1,337	100	15		12,0	9,0	15,25	3129	•	•				
G1/2	20,955	14	1,814	125	17		16,0	12,0	19,00	3131	•	•				
G5/8	22,911	14	1,814	125	20		18,0	14,5	21,00	3133	•	•				
G3/4	26,441	14	1,814	140	20		20,0	16,0	24,50	3135	•	•				
G7/8	30,201	14	1,814	150	22		22,0	18,0	28,25	3137	•	•				
G1	33,249	11	2,309	160	24		25,0	20,0	30,75	3139	•	•				

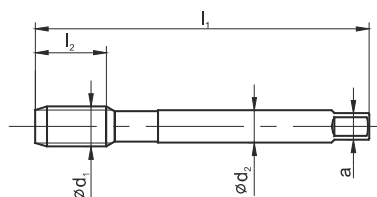
ISO	Vc (m/min)					
P	10-40	10-40				
M	5-15	5-15				
K	10-30	10-30				
N	10-50	10-50				
S	1-8	1-8				

Rosca Whitworth de tubo G, DIN-ISO 228



HSSE

TN2

DIN
5156


800X

C-TN2

B-TN2

C-R40-TN2



Material

P M K
N S H

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

TN2

TN2

TN2

Chafilán

C / 2-3P

B / 4-5P

C / 2-3P

G	Ød ₁	1"/P	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-5156					
											Tol.						
											Indice	D2-123X01	D2-113X01	D2-513X01			
G1/16	7,723	28	0,907	90	17	10	-	6,0	4,9	6,80	3121	○	○	○			
G1/8	9,728	28	0,907	90	18	10	-	7,0	5,5	8,80	3123	●	●	●			
G1/4	13,157	19	1,337	100	22	14	-	11,0	9,0	11,80	3127	●	●	●			
G3/8	16,662	19	1,337	100	22	15	-	12,0	9,0	15,25	3129	●	●	●			
G1/2	20,955	14	1,814	125	25	17	-	16,0	12,0	19,00	3131	●	●	●			
G5/8	22,911	14	1,814	125	25	20	-	18,0	14,5	21,00	3133	●	●	●			
G3/4	26,441	14	1,814	140	28	20	-	20,0	16,0	24,50	3135	●	●	●			
G7/8	30,201	14	1,814	150	30	22	-	22,0	18,0	28,25	3137	●	●	●			
G1	33,249	11	2,309	160	32	24	-	25,0	20,0	30,75	3139	●	●	●			
G1.1/8	37,907	11	2,309	170	34	24	-	28,0	22,0	35,50	3141	○	○	○			
G1.1/4	41,910	11	2,309	170	34	25	-	32,0	24,0	39,50	3143	○	○	○			
G1.1/2	47,800	11	2,309	190	36	-	-	36,0	29,0	45,25	3147	○	○	-			
G1.3/4	53,756	11	2,309	190	36	-	-	40,0	32,0	51,00	3151	○	○	-			
G2	59,614	11	2,309	220	40	-	-	45,0	35,0	57,00	3155	○	○	-			

ISO		Vc (m/min)					
P	5-35	5-35	5-20				
M	5-15	5-15	5-15				
K	5-25	10-25	5-15				
N	10-30	10-30	5-25				
S	-	-	-				

Ejemplo de pedido

D4-123X01-3139
Machos 800X G-1" DIN-5156 C HSSE TN2

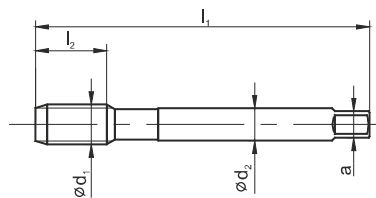
● Disponible en almacén
○ Bajo pedido

1

Rosca Whitworth de tubo G, DIN-ISO 228



HSSE

DIN
~5156

800

C

B

C-R40



Material



Tipo de agujero



Calidad de material

HSSE

HSSE

HSSE

Recubrimiento

Chafilán

C / 2-3P

C / 2-3P

B / 4-5P

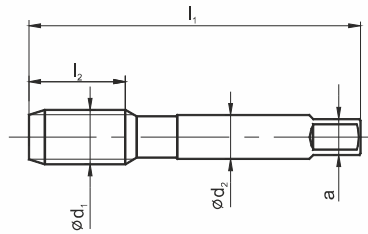
G	Ød ₁	1"/P	P	l ₁	l ₂	l ₂ R40	l ₃	Ød ₂	a		Norm	DIN-5156					
											Tol.						
											Indice	D2-121101	D2-111101	D2-511101			
G1/16	7,723	28	0,907	90	17	10		6,0	4,9	6,80	3121	o	o	o			
G1/8	9,728	28	0,907	90	18	10		7,0	5,5	8,80	3123	•	•	•			
G1/4	13,157	19	1,337	100	22	14		11,0	9,0	11,80	3127	•	•	•			
G3/8	16,662	19	1,337	100	22	15		12,0	9,0	15,25	3129	•	•	•			
G1/2	20,955	14	1,814	125	25	17		16,0	12,0	19,00	3131	•	•	•			
G5/8	22,911	14	1,814	125	25	20		18,0	14,5	21,00	3133	•	•	•			
G3/4	26,441	14	1,814	140	28	20		20,0	16,0	24,50	3135	•	•	•			
G7/8	30,201	14	1,814	150	30	22		22,0	18,0	28,25	3137	•	•	•			
G1	33,249	11	2,309	160	32	24		25,0	20,0	30,75	3139	•	•	•			
G1,1/8	37,907	11	2,309	170	34	24		28,0	22,0	35,50	3141	o	o	o			
G1,1/4	41,910	11	2,309	170	34	25		32,0	24,0	39,50	3143	o	o	o			
G1,1/2	47,800	11	2,309	190	36	-		36,0	29,0	45,25	3147	o	o	-			
G1,3/4	53,756	11	2,309	190	36	-		40,0	32,0	51,00	3151	o	o	-			
G2	59,614	11	2,309	220	40	-		45,0	35,0	57,00	3155	o	o	-			

ISO	Vc (m/min)					
P	5-20	5-20	5-20			
M	-	-	-			
K	5-15	5-15	5-15			
N	5-25	5-25	5-25			
S	-	-	-			

Rosca Whitworth de tubo G, DIN-ISO 228



HSSE

DIN
~5157

Ms

F



Material



Tipo de agujero



Calidad de material

HSSE

Recubrimiento

Chafilán

F / 1P

G	Ød ₁	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	~DIN-5157				
										Tol.					
										indice	E2-141401				
G3/8	16,662	19	1,337	70	22	-	12	9	15,25	3129	●				
G1/2	20,965	14	1,814	80	22	-	16	12	19,00	3131	●				
G3/4	26,441	14	1,814	90	22	-	20	16	24,50	3135	●				
G1	33,259	11	2,309	100	25	-	25	20	30,75	3139	●				
											ISO	Vc (m/min)			
											P	-			
											M	-			
											K	-			
											N	10-25			
											S	-			

1



Ejemplo de pedido

E1-141401-3129

Machos Ms G-3/8" ~DIN-5157 F HSSE

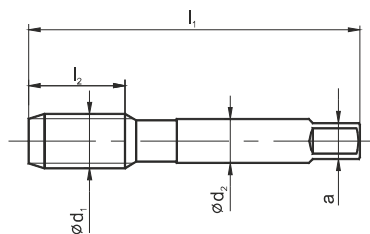
- Disponible en almacén
- Bajo pedido

1

Rosca Whitworth de tubo G, DIN-ISO 228



HSS

DIN
5157

Material



Tipo de agujero



Calidad de material

HSS

Recubrimiento

Chafilán

~3P

G	Ød ₁	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	DIN-5157					
										Tol.						
										Indice						
G1/16	7,723	28	0,907	56	22	-	6	4,9	6,80	3121	o					
G1/8	9,728	28	0,907	63	20	-	7	5,5	8,80	3123	o					
G1/4	13,157	19	1,337	70	22	-	11	9,0	11,80	3127	●					
G3/8	16,662	19	1,337	70	22	-	12	9,0	15,25	3129	●					
G1/2	20,955	14	1,814	80	22	-	16	12,0	19,00	3131	●					
G5/8	22,911	14	1,814	80	22	-	18	14,5	21,00	3133	o					
G3/4	26,441	14	1,814	90	22	-	20	16,0	24,50	3135	●					
G7/8	30,201	14	1,814	90	22	-	22	18,0	28,25	3137	o					
G1	33,249	11	2,309	100	25	-	25	20,0	30,75	3139	●					
G1,1/8	37,897	11	2,309	125	36	-	28	22,0	35,50	3141	o					
G1,1/4	41,910	11	2,309	125	36	-	32	24,0	39,50	3143	o					
G1,3/8	44,323	11	2,309	125	36	-	36	29,0	41,75	3145	o					
G1,1/2	47,803	11	2,309	140	40	-	36	29,0	45,25	3147	o					
G1,3/4	53,769	11	2,309	140	40	-	40	32,0	51,00	3151	o					
G2	59,614	11	2,309	160	40	-	45	35,0	57,00	3155	o					

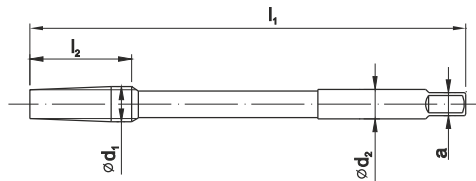
ISO	Vc (m/min)					
P	5-20					
M	-					
K	-					
N	-					
S	-					

Rosca Whitworth de tubo G, DIN-ISO 228

NGRf



HSS



Material



Tipo de agujero



Calidad de material

HSS

Recubrimiento

Chafilán

12P

G	Ød ₁	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	NGRf				
										Tol.					
										Indice	F1-151001				
G1/16	7,723	28	0,907	140	20	-	6,0	4,5	6,80	3121	o				
G1/8	9,728	28	0,907	140	20	-	7,0	6,3	8,80	3123	o				
G1/4	13,157	19	1,337	180	30	-	11,0	8,0	11,80	3127	o				
G3/8	16,662	19	1,337	200	30	-	12,0	10,0	15,25	3129	o				
G1/2	20,955	14	1,814	220	40	-	16,0	12,5	19,00	3131	●				
G5/8	22,911	14	1,814	220	40	-	18,0	14,0	21,00	3133	o				
G3/4	26,441	14	1,814	250	40	-	20,0	16,0	24,00	3135	o				
G7/8	30,201	14	1,814	280	40	-	22,0	18,0	28,25	3137	o				
G1	33,249	11	2,309	280	60	-	25,0	20,0	30,75	3139	o				
G1,1/8	37,907	11	2,309	280	60	-	28,0	22,4	35,50	3141	-				
G1,1/4	41,910	11	2,309	280	60	-	32,0	25,0	39,50	3143	o				
G1,3/8	44,323	11	2,309	280	60	-	32,0	25,0	42,00	3145	-				
G1,1/2	47,800	11	2,309	280	60	-	36,0	28,0	45,00	3147	o				
G1,3/4	53,756	11	2,309	280	60	-	40,0	28,0	51,00	3151	-				
G2	59,614	11	2,309	280	60	-	45,0	31,5	57,00	3155	o				

ISO	Vc (m/min)				
P	5-20				
M	-				
K	6-15				
N	6-15				
S	-				

Ejemplo de pedido

F1-151001-3131
Machos G-1/2"-6H NGRf HSS

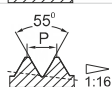
- Disponible en almacén
- Bajo pedido

1

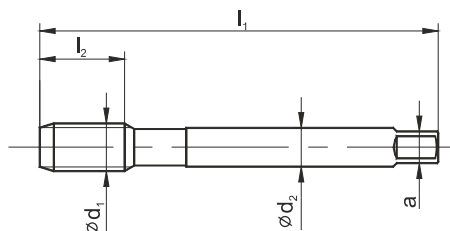
Rosca Whitworth de tubo Rp, , PN-ISO 7/1,
DIN EN 10226-1



Rosca Whitworth de tubo cónica , PN-ISO 7/1,
DIN EN 10226-2



HSSE

DIN
5156DIN
~5156

800

C

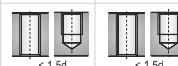
C



Material



Tipo de agujero



Calidad de material

HSSE

HSSE

Recubrimiento

Chafilán

C / 2-3P

C / 2-3P

Rp	Ød ₁	1"/P	P	L ₁	L ₂	L ₃	Ød ₂	a		Norm	DIN-5156				
										Tol.					
										Indice	D2-121101				
Rp-1/16"	7,723	28	0,907	90	17	-	6,0	4,9	6,55	3221	o				
Rp-1/8"	9,728	28	0,907	90	18	-	7,0	5,5	8,60	3223	o				
Rp-1/4"	13,157	19	1,337	100	22	-	11,0	9,0	11,50	3227	o				
Rp-3/8"	16,662	19	1,337	100	22	-	12,0	9,0	15,00	3229	o				
Rp-1/2"	20,955	14	1,814	125	25	-	16,0	12,0	18,50	3231	o				
Rp-3/4"	26,441	14	1,814	140	28	-	20,0	16,0	24,00	3235	o				
Rp-1"	33,249	11	2,309	160	32	-	25,0	20,0	30,25	3239	o				

Rc	Ød ₁	1"/P	P	L ₁	L ₂	L ₃	Ød ₂	a		Norm	~DIN-5156				
										Tol.					
										Indice	D2-121101				
Rc-1/16"	-	28	0,907	90	17	-	6,0	4,9	6,15	3321	o				
Rc-1/8"	-	28	0,907	90	18	-	7,0	5,5	8,15	3323	●				
Rc-1/4"	-	19	1,337	100	22	-	11,0	9,0	10,85	3327	●				
Rc-3/8"	-	19	1,337	100	22	-	12,0	9,0	14,30	3329	●				
Rc-1/2"	-	14	1,814	125	25	-	16,0	12,0	17,80	3331	o				
Rc-3/4"	-	14	1,814	140	28	-	20,0	16,0	23,20	3335	o				
Rc-1"	-	11	2,309	160	33	-	25,0	20,0	29,20	3339	o				

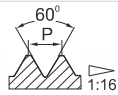
Escariador cónico 1:16 en la página



ISO	Vc (m/min)				
P	5-20	5-20			
M	-	-			
K	5-15	5-15			
N	10-25	10-25			
S	-	-			

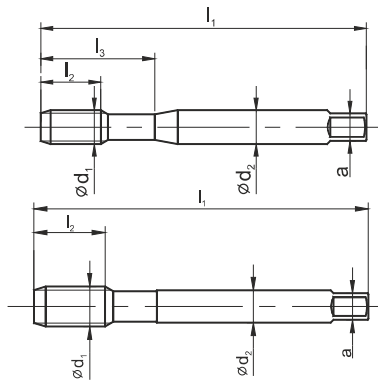
Informaciones sobre dimensiones de los agujeros con rosca cónica en la parte técnica del catálogo en la página 267



Rosca de tubo americana cónica NPT 1:16,
ANSI B-1.20.1


HSSE

DIN
~371

DIN
~374


800

c



Material



Tipo de agujero



Calidad de material

HSSE

Recubrimiento

Chafilán

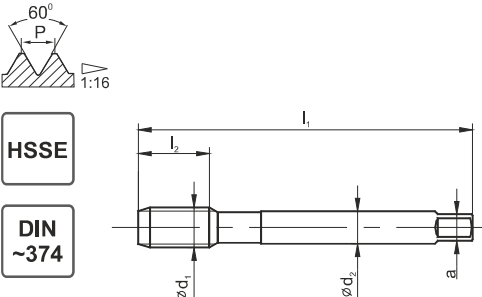
C / 2-3P

NPT	Ød ₁	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	~DIN-371					
1/8	-	27	0,941	90	13	33	10,0	8,0	8,50	4623	●					
1/4	-	18	1,411	100	19,5	34,5	14,0	11,0	11,10	4627	●					

NPT	1"/P	P	l ₁	l ₂	l ₃	Ød ₂	a		Norm	~DIN-374						
3/8	18	1,411	110	22	-	14,0	11,0	14,40	4629	●						
1/2	14	1,814	140	27	-	18,0	14,5	17,80	4631	●						
3/4	14	1,814	140	28	-	20,0	16,0	23,15	4635	●						
1	11.1/2	2,209	160	35	-	25,0	20,0	29,05	4639	●						

ISO	Vc (m/min)					
P	5-20					
M	-					
K	5-15					
N	10-25					
S	-					

1

Rosca de tubo americana cónica NPTF 1:16, ANSI B-1.20.1									800					
 HSSE DIN ~374														
Material									P N M S K H					
Tipo de agujero														
Calidad de material									HSSE					
Recubrimiento														
Chafilán									C / 2-3P					
NPTF	Ød ₁	1"/P	P	I ₁	I ₂	Ød ₂	a		Norm	~DIN-374				
									Tol.					
									Indice	D2-121101				
1/8	-	27	0,941	90	15	7,0	5,5	8,45	4723	●				
1/4	-	18	1,411	100	20	11,0	9,0	10,90	4727	○				
3/8	-	18	1,411	110	22	14,0	11,0	14,30	4729	○				
1/2	-	14	1,814	140	27	18,0	14,5	17,60	4731	○				
										ISO Vc (m/min)				
		P	5-20											
		M	-											
		K	5-15											
		N	10-25											
		S	-											

Rosca americana para tubo paralela NPSF, ANSI B 1.20.3										800					
Material															
Tipo de agujero										 < 1,50					
Calidad de material										HSSE					
Recubrimiento															
Chafilán										C / 2-3P					
NPSF	Ød ₁	1"/P	P	l ₁	l ₂	Ød ₂	a		Norm	~DIN-5156					
									Tol.						
									Indice	D2-121101					
1/16	7,582	27	0,941	90	17	6,0	4,9	6,35	4521	o					
1/8	9,929	27	0,941	90	18	7,0	5,5	8,70	4523	o					
1/4	13,236	18	1,411	100	22	11,0	9,0	11,30	4527	o					
3/8	16,673	18	1,411	100	22	12,0	9,0	14,75	4529	o					
1/2	20,814	14	1,814	125	25	16,0	12,0	18,20	4531	o					
3/4	26,166	14	1,814	140	28	20,0	16,0	23,50	4535	o					
1	32,718	11,1/2	2,209	160	30	25,0	20,0	29,50	4539	o					
ISO										Vc (m/min)					
P										5-20					
M										-					
K										5-15					
N										5-25					
S										-					

1

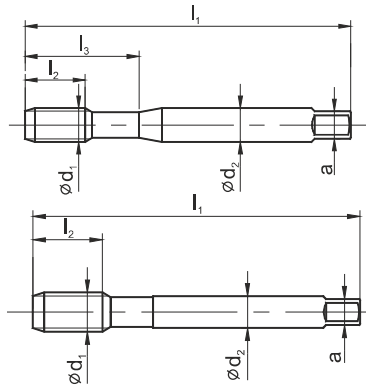


1

Rosca Whitworth normal BSW, BS-84:1956



HSSE

DIN
371DIN
376

800

B

C-R40



Material

P	M	K
N	S	H

P	M	K
N	S	H

Tipo de agujero



Calidad de material

HSSE

HSSE

Recubrimiento

Chafilán

B / 4-5P

C / 2-3P

BSW	$\varnothing d_1$	1"/P	P	l_1	l_2	l_2 R40	l_3	$\varnothing d_2$	a		Norm	DIN-371(~DIN2182)			
											Tol.	normal	normal		
											Indice	C2-111101	C2-511101		
1/8-40	3,175	40	0,635	56	10	5	18	3,5	2,7	2,55	7123	o	o		
3/16-24	4,762	24	1,058	70	14	8	25	6,0	4,9	3,70	7125	o	o		
1/4-20	6,350	20	1,270	80	18	13	30	7,0	5,5	5,10	7127	o	o		
5/16-18	7,938	18	1,411	90	20	20	35	8,0	6,0	6,50	7128	o	o		
3/8-16	9,525	16	1,588	100	21	20	39	10,0	8,0	7,90	7129	o	o		

BSW	$\varnothing d_1$	1"/P	P	l_1	l_2	l_2 R40	l_3	$\varnothing d_2$	a		Norm	DIN-376(~DIN2182)			
											Tol.				
											Indice	D2-111101	D2-511101		
7/16-14	11,112	14	1,814	100	22	15	-	8,0	6,2	9,25	7130	o	o		
1/2-12	12,700	12	2,117	110	24	18	-	9,0	7,0	10,50	7131	o	o		
5/8-11	15,875	11	2,309	110	32	22	-	12,0	9,0	13,50	7133	o	o		
3/4-10	19,050	10	2,540	125	32	25	-	14,0	11,0	16,40	7135	o	o		
7/8-9	22,225	9	2,822	140	32	30	-	18,0	14,5	19,25	7137	o	o		
1-8	25,400	8	3,175	160	38	30	-	20,0	16,0	22,00	7139	o	o		

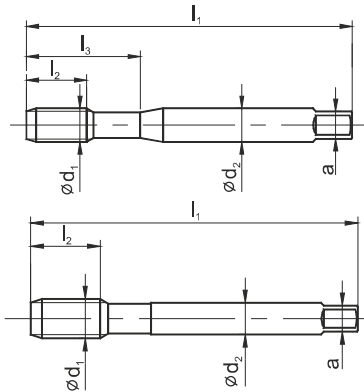
ISO	Vc (m/min)				
P	5-20	5-20			
M	-	-			
K	5-15	5-15			
N	5-25	5-25			
S	-	-			

Rosca métrica ISO DIN 8140-2


HSSE
PM

HL

DIN
~371

DIN
~376


MASTER TAP

B-HL

E-R45-HL



Material

P M K
N S H

P M K
N S H

Tipo de agujero



Calidad de material

HSSE-PM

HSSE-PM

Recubrimiento

HL

HL

Chafilán

B / 4-5P

E / 1,5-2P

EG M (STI)	Ød ₁	P	l ₁	l ₂	l ₂ R45	l ₃	Ød ₂	a		Norm	~DIN-371(DIN-40435)				
										Tol.	6H mod.	6H mod.			
										Indice	C4-118M01	C4-718M01			
M2	2,520	0,40	50	9	5	14	2,8	2,1	2,10	6020	●	●			
M2,5	3,084	0,45	56	10	5	18	3,5	2,7	2,65	6025	●	●			
M3	3,650	0,50	63	12	5	21	4,5	3,4	3,15	6030	●	●			
M4	4,910	0,70	70	14	8	25	6,0	4,9	4,20	6040	●	●			
M5	6,040	0,80	80	18	10	30	6,0	4,9	5,25	6050	●	●			
M6	7,300	1,00	90	18	10	35	8,0	6,2	6,30	6060	●	●			
M8	9,624	1,25	100	20	16	39	10,0	8,0	8,40	6080	●	●			

EG M (STI)	Ød ₁	P	l ₁	l ₂	l ₂ R45	l ₃	Ød ₂	a		Norm	~DIN-376(DIN-40435)				
										Tol.	6H mod.	6H mod.			
										Indice	D4-118M01	D4-718M01			
M10	11,948	1,50	100	15	15	-	9,0	7,0	10,50	6100	●	●			
M12	14,274	1,75	110	20	20	-	11,0	9,0	12,50	6120	●	●			
M14	16,598	2,00	110	20	20	-	12,0	9,0	14,50	6140	●	●			
M16	18,598	2,00	125	20	20	-	14,0	11,0	16,50	6160	●	●			
M18	21,248	2,50	140	27	27	-	18,0	14,5	18,75	6180	●	●			
M20	23,248	2,50	160	30	30	-	18,0	14,5	20,75	6200	●	●			

ISO	Vc (m/min)				
P	5-40	5-40			
M	5-15	5-15			
K	10-30	10-30			
N	10-30	10-30			
S	1-8	1-8			

Ejemplo de pedido

C4-118M01-6030
MasterTAP M3-6H mod. DIN-371 B HSSE-PM HL

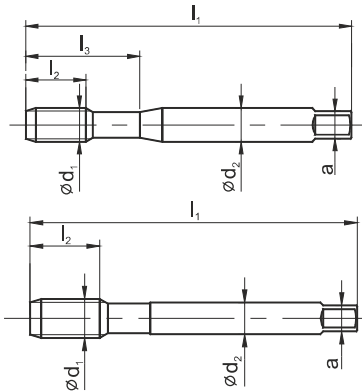
- Disponible en almacén
- Bajo pedido

1

MASTER TAP

Rosca americana ordinaria UNC,
ASME B18.29.1HSSE
PM

HL

DIN
~371DIN
~376

MASTER TAP

B-HL

E-R45-HL



Material



Tipo de agujero



Calidad de material

HSSE-PM HSSE-PM

Recubrimiento

HL HL

Chafilán

B / 4-5P E / 1,5-2P

EG UNC (STI)	Ød ₁	1/P	l ₁	l ₂	l ₂ R45	l ₃	Ød ₂	a		Norm	~DIN-371(DIN-40435)				
										Tol.	2B	2B			
										Indice	C4-118M01	C4-718M01			
No4-40	3,671	40	63	13	7	21	4,5	3,4	3,10	6804	o	o			
No6-32	4,536	32	70	14	8	25	6,0	4,9	3,80	6806	o	o			
No8-32	5,197	32	80	16	10	30	6,0	4,9	4,40	6808	o	o			
No10-24	6,200	24	80	17	12	30	7,0	5,5	5,20	6810	o	o			
1/4-20	8,002	20	90	20	15	35	8,0	6,2	6,70	6827	o	o			
5/16-18	9,771	18	100	22	18	39	10,0	8,0	8,40	6828	o	o			

EG UNC (STI)	Ød ₁	1/P	l ₁	l ₂	l ₂ R45	l ₃	Ød ₂	a		Norm	~DIN-376(DIN-40435)				
										Tol.	2B	2B			
										Indice	D4-118M01	D4-718M01			
3/8-16	11,587	16	100	15	15	-	9	7	10	6829	o	o			
7/16-14	13,469	14	110	18	18	-	11	9	11,6	6830	o	o			
1/2-13	15,237	13	110	18	18	-	12	9	13,3	6831	o	o			
9/16-12	17,039	12	110	20	20	-	12	9	14,9	6832	o	o			
5/8-11	18,875	11	125	20	20	-	14	11	16,5	6833	o	o			
3/4-10	22,349	10	140	25	25	-	18	14,5	19,75	6835	o	o			

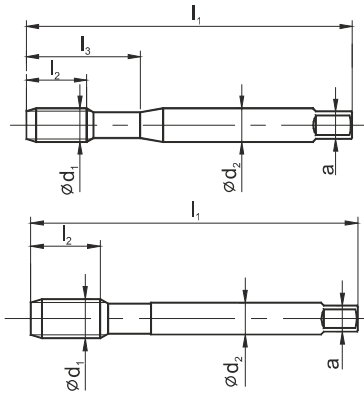
ISO	Vc (m/min)				
P	5-40	5-40			
M	5-15	5-15			
K	10-30	10-30			
N	10-30	10-30			
S	1-8	1-8			

Rosca americana ordinaria paso fino
UNF, ASME B18.29.1

HSSE
PM

HL

DIN
~371

DIN
~376


MASTER TAP

B-HL

E-R45-HL



Material



Tipo de agujero



Calidad de material

HSSE-PM

HSSE-PM

Recubrimiento

HL

HL

Chafilán

B / 4-5P

E / 1,5-2P

EG UNF (STI)	$\varnothing d_1$	1/P	l_1	l_2	l_2 R45	l_3	$\varnothing d_2$	a		Norm	~DIN-371(DIN-40435)			
										Tol.	2B	2B		
										Indice	C4-118M01	C4-718M01		
No4-56	3,533	56	48	9	6	20	4	3	3	6904	o	o		
No6-40	4,330	40	70	10	7	25	6	4,9	3,7	6906	o	o		
No8-36	5,083	36	80	13	9	30	6	4,9	4,4	6908	o	o		
No10-32	5,858	32	80	13	9	30	6	4,9	5,1	6910	o	o		
1/4-28	7,528	28	90	17	10	35	8	6,2	6,6	6927	o	o		
5/16-24	9,312	24	90	18	12	35	10	8	8,3	6928	o	o		

EG UNF (STI)	$\varnothing d_1$	1/P	l_1	l_2	l_2 R45	l_3	$\varnothing d_2$	a		Norm	~DIN-376(DIN-40435)			
										Tol.	2B	2B		
										Indice	D4-118M01	D4-718M01		
3/8-24	10,899	24	90	12	12	-	8	6	9,8	6929	o	o		
7/16-20	12,763	20	100	15	15	-	9	7	11,5	6930	o	o		
1/2-20	14,352	20	100	15	15	-	11	9	13,1	6931	o	o		
9/16-18	16,121	18	100	15	15	-	12	9	14,7	6932	o	o		
5/8-18	17,709	18	110	15	15	-	14	11	16,25	6933	o	o		
3/4-16	21,112	16	125	17	17	-	16	12,0	19,5	6935	o	o		

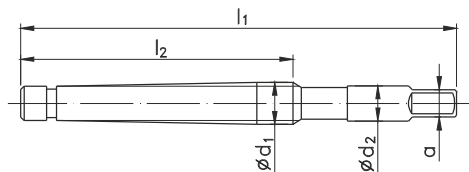
ISO	Vc (m/min)				
P	5-40	5-40			
M	5-15	5-15			
K	10-30	10-30			
N	10-30	10-30			
S	1-8	1-8			

1

Rosca trapezoidal Tr, DIN-103



HSS



NGSt

LH



LH

Material



Tipo de agujero



Calidad de material

HSS HSS

Recubrimiento

- -

Chafilán

24P 24P

Tr Ød ₁	P	l ₁	l ₂	Ød ₂	a		Norm	NGSt					
							Tol.	7H	7H				
							Índice	G1-701002	G1-751002				
Tr 10x1,5	1,5	100	45	7	5,5	8,5	8008	○	○				
Tr 10x2	2	115	76	7	5,5	8	8009	●	○				
Tr 12x2	2	120	74	8	6,3	10	8014	●	○				
Tr 12x3	3	155	104	8	6,3	9	8015	●	○				
Tr 14x2	2	130	74	10	8	12	8018	●	○				
Tr 14x3	3	160	104	10	8	11	8019	●	○				
Tr 16x2	2	135	74	11,2	9	14	8022	●	○				
Tr 16x4	4	200	132	11,2	9	12	8024	●	○				
Tr 18x2	2	140	74	12,5	10	16	8030	○	○				
Tr 18x4	4	205	132	12,5	10	14	8032	○	○				
Tr 20x2	2	145	74	14	11,2	18	8033	○	○				
Tr 20x4	4	210	132	14	11,2	16	8034	○	○				
Tr 22x3	3	185	104	16	12,5	19	8035	○	○				
Tr 22x5	5	250	165	16	12,5	17	8037	○	○				
Tr 24x3	3	190	104	18	14	21	8040	○	○				
Tr 24x5	5	255	165	18	14	19	8042	○	○				
Tr 26x3	3	195	104	20	16	23	8045	○	○				
Tr 26x5	5	265	165	20	16	21	8047	○	○				
Tr 28x3	3	205	104	22,4	18	25	8050	○	○				
Tr 28x5	5	270	165	22,4	18	23	8052	○	○				
Tr 30x3	3	205	104	22,4	18	27	8055	○	○				
Tr 30x6	6	305	206	22,4	18	24	8057	○	○				
Tr 32x6	6	315	206	25	20	26	8062	○	○				
Tr 36x6	6	325	206	28	22,4	30	8072	○	○				

ISO	Vc (m/min)			
P	2-6	2-6		
M	-	-		
K	2-6	2-6		
N	2-8	2-8		
S	-	-		

Machos de laminacion



TABLA DE SELECCIÓN DE HERRAMIENTAS

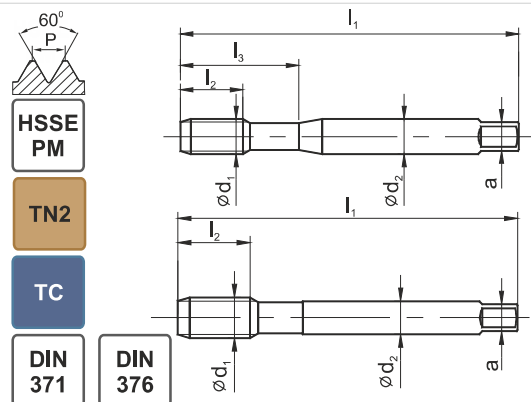
4

PAGINAS DE CÁLOGO

85-89

M	DIN-371 DIN-376	Machos de laminacion con mango reforzado Machos de laminacion con mango normal	WGN	85
MF	DIN-371 DIN-374	Machos de laminacion con mango reforzado Machos de laminacion con mango normal	WGN	86
UNC	DIN-371 DIN-376	Machos de laminacion con mango reforzado Machos de laminacion con mango normal	WGN	87
UNF	DIN-371 DIN-374	Machos de laminacion con mango reforzado Machos de laminacion con mango normal	WGN	88
G	~DIN-5156	Machos de laminacion con mango normal	WGN	89

Rosca métrica ISO DIN-13


HSSE
PM

TN2

TC

DIN
371

DIN
376

WGN

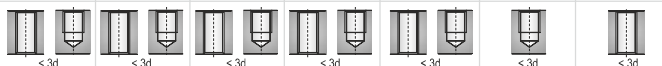
C-TN2 C-SR-TN2 C-SR-TN2 C-SR-TC E-SR-TC E-SR-IK-TC E-SR-IKR-TC



Material

P M K P M K P M K P M K P M K P M K P M K
N S H N S H N S H N S H N S H N S H N S H

Tipo de agujero



Calidad de material

HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM

Recubrimiento

TN2 TN2 TN2 TC TC TC TC

Chafilán

C / 2-3P C / 2-3P C / 2-3P C / 2-3P E / 1,5-2P E / 1,5-2P E / 1,5-2P

M Ød ₁	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-371 (~DIN-2174)						
									Tol.	6HX	6HX	6GX	6HX	6HX	6HX
									INDEX	C4-903005	C4-923005	C4-923006	C4-925005	C4-945005	C4-945055
M 1,6	0,35	40	8	8	2,5	2,1	1,47	0016	●	●	-	-	-	-	-
M 2	0,40	45	8	8	2,8	2,1	1,85	0020	●	●	-	-	-	-	-
M 2,5	0,45	50	9	9	2,8	2,1	2,33	0025	●	●	-	-	-	-	-
M 3	0,50	56	10	18	3,5	2,7	2,80	0030	●	●	●	●	●	-	-
M 3,5	0,60	56	12	20	4	3	3,25	0035	○	○	○	○	○	-	-
M 4	0,70	63	7	21	4,5	3,4	3,70	0040	●	●	●	●	●	-	-
M 5	0,80	70	8	25	6	4,9	4,65	0050	●	●	●	●	●	●	●
M 6	1,00	80	10	30	6	4,9	5,60	0060	●	●	●	●	●	●	●
M 7	1,00	80	10	30	7	5,5	6,60	0070	○	○	○	○	○	○	○
M 8	1,25	90	13	35	8	6,2	7,45	0080	●	●	●	●	●	●	●
M 9	1,25	90	13	35	9	7	8,45	0090	○	○	○	○	○	○	○
M 10	1,50	100	15	39	10	8	9,35	0100	●	●	●	●	●	●	●

M Ød ₁	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-376 (~DIN-2174)						
									Tol.	6HX	6HX	6GX			
									INDEX	D4-903005	D4-923005	D4-923006			
M6	1	80	10	-	4,5	3,4	5,60	0060	●	●	●				
M8	1,25	90	13	-	6	4,9	7,45	0080	●	●	●				
M 10	1,5	100	15	-	7	5,5	9,35	0100	●	●	●				
M 12	1,75	110	18	-	9	7	11,25	0120	●	●	●				
M 14	2	110	20	-	11	9	13,10	0140	●	●	●				
M 16	2	110	20	-	12	9	15,10	0160	●	●	●				
M 18	2,5	125	32	-	14	11	16,85	0180	●	●	●				
M 20	2,5	140	32	-	16	12	18,85	0200	●	●	●				

ISO	Vc (m/min)					
P	10-30	10-30	10-30			
M	10-25	10-25	10-25			
K	-	-	-			
N	20-40	20-40	20-40			
S	-	-	-			

Ejemplo de pedido

C4-903005-0100

Machos de laminacion WGN M10-6HX DIN-371 C HSSE-PM TN2

● Disponible en almacén

○ Bajo pedido

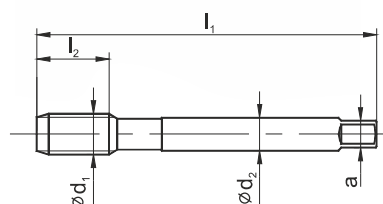
2

Rosca métrica ISO DIN-13

HSSE
PM

TN2

TC

DIN
371DIN
374

WGN

C-SR-TN2

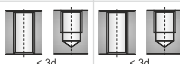
C-SR-TC



Material



Tipo de agujero



Calidad de material

HSSE-PM HSSE-PM

Recubrimiento

TN2 TC

Chafilán

C / 2-3P C / 2-3P

MF Ød ₁	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-371						
								Tol.	6HX	6HX					
								INDEX	C4-923005	C4-925005					
M 4 x 0,5	0,5	63	7	21	4,5	3,4	3,80	0041	●	●					
M 5 x 0,5	0,5	70	8	25	6	4,9	4,80	0051	●	●					
M 6 x 0,5	0,5	80	10	30	6	4,9	5,80	0061	●	●					
M 6 x 0,75	0,75	80	10	30	7	5,5	5,70	0062	●	●					
M 8 x 1	1	90	13	35	8	6,2	7,60	0083	●	●					
M 10 x 1	1	90	13	35	9	7	9,60	0103	●	●					
M 10 x 1,25	1,25	100	15	39	10	8	9,45	0104	●	●					

MF Ød ₁	P	I ₁	I ₂	I ₃	Ød ₂	a		Norm	DIN-374 (~DIN-2174)						
								Tol.	6HX	6HX					
								INDEX	D4-923005	D4-925005					
M 6 x 0,5	0,5	80	10	-	4,5	3,4	5,80	0061	○	○					
M 6 x 0,75	0,75	80	10	-	4,5	3,4	5,70	0062	○	○					
M 8 x 1	1	90	10	-	6,0	4,9	7,60	0083	●	●					
M 10 x 1	1	90	10	-	7,0	5,5	9,60	0103	●	●					
M 10 x 1,25	1,25	100	15	-	7,0	5,5	9,45	0104	●	●					
M 12 x 1	1	100	10	-	9,0	7	11,60	0123	●	●					
M 12 x 1,25	1,25	100	15	-	9,0	7	11,45	0124	●	●					
M 12 x 1,5	1,5	100	15	-	9,0	7	11,35	0125	●	●					
M 16 x 1,5	1,5	100	15	-	12	9	15,35	0165	●	●					
M 18 x 1,5	1,5	110	17	-	14	11	17,35	0185	●	●					
M 20 x 1,5	1,5	125	17	-	16	12	19,35	0205	●	●					

ISO	Vc (m/min)				
P	10-30	10-30			
M	10-25	10-25			
K	-	-			
N	20-40	20-60			
S	-	-			

Rosca americana ordinaria UNC, ANSI B-1.1

WGN

C-SR-TN2

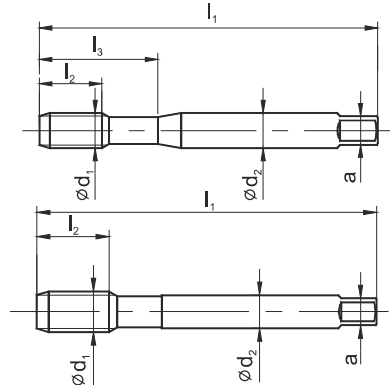


HSSE

TN2

DIN 371

DIN 376



Material



Tipo de agujero



Calidad de material

HSSE

Recubrimiento

TN2

Chafilán

C / 2-3P

UNC	$\varnothing d_1$	1"/P	P	I_1	I_2	$\varnothing d_2$	a		Norm		DIN-371 (~DIN-2174)					
									Tol.		2BX					
									INDEX		C2-923105					
No 5-40	3,175	40	0,635	56	7	3,5	2,7	2,90	4105	o						
No 6-32	3,505	32	0,795	56	6	4,0	3,0	3,15	4106	o						
No 8-32	4,166	32	0,794	63	7	4,5	3,4	3,80	4108	o						
No 10-24	4,826	24	1,058	70	8	6,0	4,9	4,35	4110	o						
No 12-24	5,486	24	1,058	80	10	6,0	4,9	5,00	4112	o						
1/4-20	6,350	20	1,270	80	13	7,0	5,5	5,75	4127	o						
5/16-18	7,938	18	1,411	90	13	8,0	6,2	7,30	4128	o						
3/8-16	9,525	16	1,588	100	15	10	8	8,80	4129	o						

UNC	$\varnothing d_1$	1"/P	P	I_1	I_2	$\varnothing d_2$	a		Norm		DIN-376 (~DIN-2174)					
									Tol.		2BX					
									INDEX		D2-923105					
7/16-14	11,112	14	1,814	100	15	8	6,2	10,25	4130	o						
1/2-13	12,700	13	1,954	110	18	9	7	11,80	4131	o						
5/8-11	15,875	11	2,309	110	20	12	9	14,80	4133	o						

ISO	Vc (m/min)					
P	10-30					
M	10-25					
K	-					
N	20-40					
S	-					

2

Rosca americana ordinaria paso fino UNF,
ANSI B-1.1

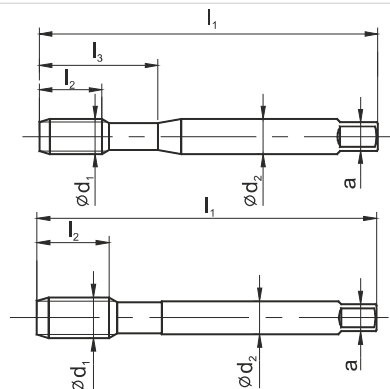
WGN

C-SR-TN2



HSSE

TN2

DIN
371DIN
374

Material



Tipo de agujero



Calidad de material

HSSE

Recubrimiento

TN2

Chafilán

C / 2-3P

UNF	Ød ₁	1"/P	P	I ₁	I ₂	Ød ₂	a		Norm	DIN-371 (~DIN-2174)											
									Tol.	2BX											
									INDEX	C2-923105											
No 5-44	3,175	44	0,577	56	7	3,5	2,7	2,92	4205	o											
No 6-40	3,505	40	0,635	56	6	4	3	3,22	4206	o											
No 8-36	4,166	36	0,705	63	7	4,5	3,4	3,85	4208	o											
No 10-32	4,826	32	0,794	70	8	6	4,9	4,45	4210	o											
No 12-28	5,486	28	0,907	80	10	6	4,9	5,10	4212	o											
1/4-28	6,350	28	0,907	80	10	6	4,9	5,95	4227	o											
5/16-24	7,938	24	1,058	90	13	8	6,2	7,45	4228	o											
3/8-24	9,525	24	1,058	100	15	10	8	9,05	4229	o											

UNF	Ød ₁	1"/P	P	I ₁	I ₂	Ød ₂	a		Norm		DIN-374 (~DIN-2174)				
									Tol.	2BX					
									INDEX	D2-923105					
7/16-20	11,112	20	1,270	100	15	8	6,2	10,55	4230	o					
1/2-20	12,700	20	1,270	110	15	9	7	12,15	4231	o					
5/8-18	15,875	18	1,411	110	15	12	9	15,25	4233	o					
3/4-16	19,050	16	1,588	120	17	14	11	18,35	4235	o					

ISO		Vc (m/min)					
P	10-30						
M	10-25						
K	-						
N	20-40						
S	-						

Rosca Whitworth de tubo G, DIN-ISO 228

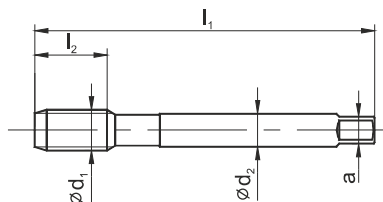
WGN

C-SR-TN2



HSSE

TN2

DIN
~5156


Material



Tipo de agujero



Calidad de material

HSSE

Recubrimiento

TN2

Chafilán

C / 2-3P

G	Ød ₁	1"/P	P	I ₁	I ₂	Ød ₂	a		Norm	~DIN-5156						
									Tol.							
									INDEX							
G-1/8"	9,728	28	0,907	90	13	7	5,5	9,25	3123	●						
G-1/4"	13,157	19	1,337	100	16	11	9	12,55	3127	●						
G-3/8"	16,662	19	1,337	100	16	12	9	16,05	3129	●						
G-1/2"	20,955	14	1,814	125	18	16	12	20,10	3131	●						
G-5/8"	22,911	14	1,814	125	20	18	14,5	22,05	3133	●						
G-3/4"	26,441	14	1,814	140	22	20	16	25,60	3135	●						

ISO	Vc (m/min)					
P	10-30					
M	10-25					
K	-					
N	20-40					
S	-					