

Сверла для нарезки резьбы

Технические характеристики

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Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
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Ярославль (4852)69-52-93

Industrial

MASCHI A MACCHINA, SCANALATURE DIRITTE, IMB. CORRETTO, FIL. METRICA ISO PASSO GROSSO

Machine taps, spiral point, metric thread / Tarauds machine, entrée gun, fil. métrique

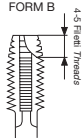
Machos de maquina, entrada corregida, rosca metrica / Maschinen-Gewindebohrer für metrisches ISO-Regelgewinde

DIN 371/B ISO 2/6H

Gambo rinforzato / Reinforced shank / Queue renforcée / Mango reforzado / Verstärkten Schaft

Applicazioni / Applications





FORM B

4-5 Fillet Thread

HSS-G AISI M2
HV 750

HSS-CO AISI M35
HV 820÷850

Art. **10163** Self

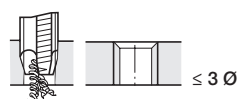
Disponibile su richiesta

On demand

MICRO MACHINE TAPS

HSS-CO

Ø	/	L	d	pcs		cod.	cod.
M 1 x 0,25	5	40	2,5	1	-		1025001x025
1,1 x 0,25	5	40	2,5	1	-		10250011x025
1,2 x 0,25	5	40	2,5	1	-		10250012x025
1,4 x 0,3	7	40	2,5	1	-		10250014x030
1,6 x 0,35	8	40	2,5	1	-		10250016x035
1,7 x 0,35	8	40	2,5	1	-		10250017x035
1,8 x 0,35	8	40	2,5	1	-		10250018x035
2 x 0,4	8	45	2,8	1	1016202x04		1025002x04
2,5 x 0,45	9	50	2,8	1	10162025x045		10250025x045
3 x 0,5	11	56	3,5	1	1016203x05		1025003x05
3,5 x 0,6	13	56	4	1	10162035x06		10250035x06
4 x 0,7	13	63	4,5	1	1016204x07		1025004x07
5 x 0,8	16	70	6	1	1016205x08		1025005x08
6 x 1	19	80	6	1	1016206x1		1025006x1
7 x 1	19	80	7	1	1016207x1		1025007x1
8 x 1,25	22	90	8	1	1016208x125		1025008x125
9 x 1,25	22	90	9	1	-		1025009x125
10 x 1,5	24	100	10	1	1016210x15		1025010x15



- Per fori passanti in acciai con R_s ≤ N/mm², ghisa, metalli non ferrosi a truciolo lungo.
- For through holes in steel with R_s ≤ N/mm², cast iron, non ferrous metals with long chip
- Pour trous débouchants en acier avec R_s ≤ N/mm², fonte, alliages légers.
- Para orificios pasantes en materiales de hasta R_s ≤ N/mm².
- Für durchgangsloch in Stahl mit R_s ≤ N/mm², Stahlguss, alu langspanend.



M 3÷12 7 pcs

10240300 HSS-G

10345300 HSS-CO



M 3÷12 14 pcs

2,5-3,3-4,2-5
6,8-8,5-10,2

10240306 HSS-G

10345306 HSS-CO

DIN 376/B ISO 2/6H

Art. 10165 HSS-G

Art. 10253

Art. 10253

Confezione / Packaging

Art. 10166 Self
Disponibile su richiesta
On demand

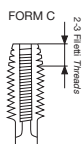
Ø	/	L	d	pcs	cod.	cod.
M 3 x 0,5	11	56	2,2	1	1016503X05	1025303X05
4 x 0,7	13	63	2,8	1	1016504X07	1025304X07
5 x 0,8	16	70	3,5	1	1016505X08	1025305X08
6 x 1	19	80	4,5	1	1016506X1	1025306X1
8 x 1,25	22	90	6	1	1016508X125	1025308X125
10 x 1,5	24	100	7	1	1016510X15	1025310X15
12 x 1,75	29	110	9	1	1016512X175	1025312X175
14 x 2	30	110	11	1	1016514X2	1025314X2
16 x 2	30	110	12	1	1016516X2	1025316X2
18 x 2,5	34	125	14	1	1016518X25	1025318X25
20 x 2,5	34	140	16	1	1016520X25	1025320X25
22 x 2,5	34	140	18	1	1016522X25	1025322X25
24 x 3	38	160	18	1	1016524X3	1025324X3
27 x 3	38	160	20	1	1016527X3	1025327X3
30 x 3,5	45	180	22	1	1016530X35	1025330X35
33 x 3,5	50	180	25	1	1016533X35	1025333X35
36 x 4	56	200	28	1	1016536X4	1025336X4
39 x 4	60	200	32	1	1016539X4	1025339X4
42 x 4,5	60	200	32	1	1016542X45	1025342X45
45 x 4,5	65	220	36	1	1016545X45	1025345X45
48 x 5	70	250	36	1	1016548X5	1025348X5
52 x 5	70	250	40	1	1016552X5	1025352X5
56 x 5,5	70	250	40	1	- - -	1025356X55
60 x 5,5	75	280	45	1	- - -	1025360X55
64 x 6	80	315	50	1	- - -	1025364X6
68 x 6	80	315	50	1	- - -	1025368X6

MASCHI A MACCHINA, SCANALATURE DIRITTE, IMB. "C", FIL. ISO PASSO GROSSO

Machine taps, "C" chamfer form, metric thread / Tarauds machine, entrée "C", filetage métrique

Machos de maquina, entrada "C", rosca métrica / Maschinengewindebohrer für metrisches ISO-Regelgewinde

DIN 371/C ISO 2/6H



HSS-G AISI M2
HV 750
HSS-CO AISI M35
HV 820÷850

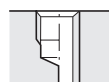
						Art. 10168 HSS-G	Art. 10251 HSS-CO	M
Ø	/	L	d	pcs		cod.	cod.	
M 2 x 0,4	8	45	2,8	1		1016802X04	1025102X04	
2,3 x 0,4	9	45	2,8	1		10168023X04	10251023X04	
2,5 x 0,45	9	50	2,8	1		10168025X045	10251025X045	
2,6 x 0,45	9	50	2,8	1		10168026X045	10251026X045	
3 x 0,5	11	56	3,5	1		1016803X05	1025103X05	
3,5 x 0,6	13	56	4	1		10168035X06	10251035X06	
4 x 0,7	13	63	4,5	1		1016804X07	1025104X07	
5 x 0,8	16	70	6	1		1016805X08	1025105X08	
6 x 1	19	80	6	1		1016806X1	1025106X1	
7 x 1	19	80	7	1		1016807X1	1025107X1	
8 x 1,25	22	90	8	1		1016808X125	1025108X125	
10 x 1,5	24	100	10	1		1016810X15	1025110X15	

Applicazioni / Applications

HSS-G
*R ≤ 700 N/mm²



HSS-CO
*R ≤ 850 N/mm²



≤ 1,5 Ø

- Per fori ciechi e passanti in acciai e ghisa con $R_s \leq N/mm^2$
- For blind and through holes in steel with $R_s \leq N/mm^2$
- Pour trous débouchants et borgnes en acier avec $R_s \leq N/mm^2$
- Para orificios pasantes y ciegos en acero de hasta $R_s \leq N/mm^2$
- Für grund und durchgangsloch in Stahl, Stahlguss mit $R_s \leq N/mm^2$

DIN 376/C ISO 2/6 H



Gambo cilindrico Ø ≤ M3
Round shank

						Art. 10171 HSS-G	Art. 10254 HSS-CO
Ø	/	L	d	pcs		cod.	cod.
M 3 x 0,5	11	56	2,2	1		1017103X05	1025403X05
4 x 0,7	13	63	2,8	1		1017104X07	1025404X07
5 x 0,8	16	70	3,5	1		1017105X08	1025405X08
6 x 1	19	80	4,5	1		1017106X1	1025406X1
8 x 1,25	22	90	6	1		1017108X125	1025408X125
10 x 1,5	24	100	7	1		1017110X15	1025410X15
12 x 1,75	29	110	9	1		1017112X175	1025412X175
14 x 2	30	110	11	1		1017114X2	1025414X2
16 x 2	32	110	12	1		1017116X2	1025416X2
18 x 2,5	34	125	14	1		1017118X25	1025418X25
20 x 2,5	34	140	16	1		1017120X25	1025420X25
22 x 2,5	34	140	18	1		1017122X25	1025422X25
24 x 3	38	160	18	1		1017124X3	1025424X3
27 x 3	38	160	20	1		1017127X3	1025427X3
30 x 3,5	45	180	22	1		1017130X35	1025430X35
33 x 3,5	50	180	25	1		1017133X35	1025433X35
36 x 4	56	200	28	1		1017136X4	1025436X4
39 x 4	60	200	32	1		1017139X4	1025439X4
42 x 4,5	60	200	32	1		1017142X45	1025442X45
45 x 4,5	65	220	36	1		1017145X45	1025445X45
48 x 5	70	250	36	1		1017148X5	1025448X5
52 x 5	70	250	40	1		1017152X5	1025452X5

MASCHI A MACCHINA, SCANALATURE DESTRE 15°, IMB. "C", FIL.METRICA ISO PASSO GROSSO

Machine taps, 15° spiral flute, metric thread / Tarauds machine, goujures 15°, filetage métrique

Machos de maquina, canal helicoidal a 15°, rosca metrica / Maschinen-gewindebohrer, 15° rechtsspirale, für metrisches ISO-Regelgewinde

DIN 371/C-15° ISO 2/6H



HSS-G AISI M2
HV 750
HSS-CO AISI M35
HV 820-850

						Art. 10174 HSS-G	Art. 10256 HSS-CO	M
Ø	/	L	d	pcs		cod.	cod.	
M 3 x 0,5	11	56	3,5	1		1017403X05	1025603X05	
4 x 0,7	13	63	4,5	1		1017404X07	1025604X07	
5 x 0,8	16	70	6	1		1017405X08	1025605X08	
6 x 1	19	80	6	1		1017406X1	1025606X1	
8 x 1,25	22	90	8	1		1017408X125	1025608X125	
10 x 1,5	24	100	10	1		1017410X15	1025610X15	



M 3÷12 7 pcs

10240311 HSS-G

10345311 HSS-CO



Abs

M 3÷12 14 pcs
2,5-3,3-4,2-5
6,8-8,5-10,2

10240312 HSS-G

10345312 HSS-CO

Applicazioni / Applications

HSS-G
*R ≤ 700 N/mm²



Acciaio
Steel



Metals



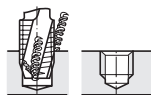
HSS-CO
*R ≤ 850 N/mm²



Inox



Acciaio
Steel



≤ 1,5 Ø

- Per fori ciechi in acciai con R_s ≤ N/mm², ghisa malleabile, metalli non ferrosi a truciolo lungo.
- For blind holes in steel with R_s ≤ N/mm², malleable cast iron, non ferrous metals with long chip.
- Pour trous borgnes en acier avec R_s ≤ N/mm², fonte, alliages légers.
- Para orificios ciegos en acero de hasta R_s ≤ N/mm², aleaciones ligeras, fundiciones.
- Für Sackloch in Stahl mit R_s ≤ N/mm², Stahlguss, alu langspanend.

DIN 376/C-15° ISO 2/6H



HSS-G AISI M2
HV 750
HSS-CO AISI M35
HV 820-850

Gambo cilindrico Ø ≤ M3
Round shank

						Art. 10177 HSS-G	Art. 10258 HSS-CO
Ø	/	L	d	pcs		cod.	cod.
M 3 x 0,5	11	56	2,2	1		1017703X05	1025803X05
4 x 0,7	13	63	2,8	1		1017704X07	1025804X07
5 x 0,8	16	70	3,5	1		1017705X08	1025805X08
6 x 1	19	80	4,5	1		1017706X1	1025806X1
8 x 1,25	22	90	6	1		1017708X125	1025808X125
10 x 1,5	24	100	7	1		1017710X15	1025810X15
12 x 1,75	29	110	9	1		1017712X175	1025812X175
14 x 2	30	110	11	1		1017714X2	1025814X2
16 x 2	30	110	12	1		1017716X2	1025816X2
18 x 2,5	34	125	14	1		1017718X25	1025818X25
20 x 2,5	34	140	16	1		1017720X25	1025820X25
22 x 2,5	34	140	18	1		1017722X25	1025822X25
24 x 3	38	160	18	1		1017724X3	1025824X3

Applicazioni / Applications

HSS-G
*R ≤ 700 N/mm²



Acciaio
Steel



Metals



HSS-CO
*R ≤ 850 N/mm²



Inox



Acciaio
Steel

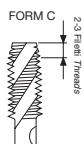


MASCHI A MACCHINA, SCANALATURE DESTRE 35°, IMB. "C", FIL. METRICA ISO

Machine taps, 35° spiral flute, metric coarse thread / Tarauds machine, goujures 35°, filetage métrique gros

Machos de maquina, canal helicoidal 35°, rosca metrica vasta / Maschinen-Gewindebohrer, 35° rechtsspirale, für metrisches ISO-Regelgewinde

DIN 371/C-35° ISO 2/6H



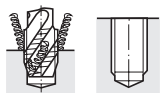
HSS-G AISI M2
HV 750
HSS-CO AISI M35
HV 820÷850

MICRO MACHINE TAPS
HSS-CO

Gambo cilindrico Ø ≤ M3
Round shank

					Art. 10183 HSS-G			Art. 10255 HSS-CO			M
Ø	/	L	d	pcs	cod.			cod.			
M 1 x 0,25	4	40	2,5	1	-	-	-	1025501x025			
1,1 x 0,25	4	40	2,5	1	-	-	-	10255011x025			
1,2 x 0,25	4	40	2,5	1	-	-	-	10255012x025			
1,4 x 0,30	5	40	2,5	1	-	-	-	10255014x030			
1,6 x 0,35	6	40	2,5	1	-	-	-	10255016x035			
1,7 x 0,35	6	40	2,5	1	-	-	-	10255017x035			
1,8 x 0,35	6	40	2,5	1	-	-	-	10255018x035			
2 x 0,4	6	45	2,8	1	1018302X04			1025502X04			
2,5 x 0,45	6	50	2,8	1	10183025X045			10255025X045			
3 x 0,5	6	56	3,5	1	1018303X05			1025503X05			
3,5 x 0,6	13	56	4	1	10183035X06			10255035X06			
4 x 0,7	7	63	4,5	1	1018304X07			1025504X07			
5 x 0,8	8	70	6	1	1018305X08			1025505X08			
6 x 1	10	80	6	1	1018306X1			1025506X1			
7 x 1	19	80	7	1	1018307X1			1025507X1			
8 x 1,25	14	90	8	1	1018308X125			1025508X125			
9 x 1,25	14	90	9	1	-	-	-	1025509X125			
10 x 1,5	16	100	10	1	1018310X15			1025510X15			

DIN 376/C-35° ISO 2/6H



- Per fori ciechi in acciai con $R_s \leq N/mm^2$ ghisa malleabile, metalli non ferrosi a truciolo lungo, acciai resistenti al calore, acciai inox.
- For blind holes in steel with $R_s \leq N/mm^2$ malleable cast iron, non ferrous metal with long chips, stainless steel, heat resistant steel.
- Pour trous borgnes en acier avec $R_s \leq N/mm^2$ fonte, alliages légers, acier inoxydable.
- Para orificios ciegos in acero de hasta $R_s \leq N/mm^2$ aleaciones ligeras, fundicion, acero aleado y acero inox.
- Für grundloch in Stahl mit $R_s \leq N/mm^2$, Stahlguss, alu langspanend, korrosions-beständige Stähle (V2A-V4A) etc.

Applicazioni / Applications

HSS-G

*R ≤ 700 N/mm²



HSS-CO

*R ≤ 850 N/mm²



					Art. 10180 HSS-G			Art. 10257 HSS-CO			
Ø	/	L	d	pcs	cod.			cod.			
M 3 x 0,5	5	56	2,2	1	1018003X05			1025703X05			
4 x 0,7	7	63	2,8	1	1018004X07			1025704X07			
5 x 0,8	8	70	3,5	1	1018005X08			1025705X08			
6 x 1	10	80	4,5	1	1018006X1			1025706X1			
8 x 1,25	13	90	6	1	1018008X125			1025708X125			
10 x 1,5	15	100	7	1	1018010X15			1025710X15			
12 x 1,75	18	110	9	1	1018012X175			1025712X175			
14 x 2	20	110	11	1	1018014X2			1025714X2			
16 x 2	22	110	12	1	1018016X2			1025716X2			
18 x 2,5	25	125	14	1	1018018X25			1025718X25			
20 x 2,5	25	140	16	1	1018020X25			1025720X25			
22 x 2,5	25	140	18	1	1018022X25			1025722X25			
24 x 3	30	160	18	1	1018024X3			1025724X3			
27 x 3	30	160	20	1	1018027X3			1025727X3			
30 x 3,5	35	180	22	1	1018030X35			1025730X35			
33 x 3,5	35	180	25	1	1018033X35			1025733X35			
36 x 4	40	200	28	1	1018036X4			1025736X4			
39 x 4	40	200	32	1	1018039X4			1025739X4			
42 x 4,5	45	200	32	1	1018042X45			1025742X45			
45 x 4,5	45	220	36	1	1018045X45			1025745X45			
48 x 5	50	250	36	1	1018048X5			1025748X5			
52 x 5	50	250	40	1	1018052X5			1025752X5			
56 x 5,5	70	250	40	1	-	-	-	1025756X55			
60 x 5,5	70	280	45	1	-	-	-	1025760X55			
64 x 6	75	315	50	1	-	-	-	1025764X6			
68 x 6	75	315	50	1	-	-	-	1025768X6			



M 3÷12 7 pcs

10240305 HSS-G

10345305 HSS-CO



Abs

M 3÷12 14 pcs

2,5-3,3-4,2-5
6,8-8,5-10,2

10240307 HSS-G

10345307 HSS-CO



M 3÷12 14 pcs
DIN 371/B+371/C 35°

10240310 HSS-G

10345310 HSS-CO

MASCHI A MACCHINA PER DADI, FILETTATURA METRICA ISO A PASSO GROSSO

Machine nut taps, metric coarse thread / Tarauds machine à l'enfilade, filetage métrique

Machos de maquina, tipo tuercas, rosca metrica / Maschinen-muttergewindebohrer, metrisches Regel-Gewinde

Art. 10273 HSS-CO

M

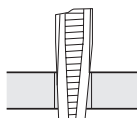
10273



DIN 357
ISO 2/6H



HSS-CO AISI M35
HV 820÷850



Gambo cilindrico $\varnothing \leq M3$
Round shank

$\varnothing$	/	L	d	pcs 	cod.	
M 3 x 0,5	22	70	2,2	1	1027303X05	
4 x 0,7	25	90	2,8	1	1027304X07	
5 x 0,8	28	100	3,5	1	1027305X08	
6 x 1	32	110	4,5	1	1027306X1	
8 x 1,25	40	125	6	1	1027308X125	
10 x 1,5	45	140	7	1	1027310X15	
12 x 1,75	50	180	9	1	1027312X175	
14 x 2	56	200	11	1	1027314X2	
16 x 2	63	200	12	1	1027316X2	
18 x 2,5	63	220	14	1	1027318X25	
20 x 2,5	70	250	16	1	1027320X25	
22 x 2,5	80	280	18	1	1027322X25	
24 x 3	80	280	18	1	1027324X3	

PUNTA-MASCHIO A MACCHINA PER FORATURE E FILETTATURE IN UNA SOLA OPERAZIONE

Combined machine drill-tap for drilling and threading in one operation / Foret taraudeur à machine, filetage métrique

Brocas-macho, rosca metrica normal / Maschinen-kombi-Gewindebohrer für metrisches ISO Regel-Gewinde

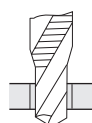
Art. 10290 HSS-CO

M

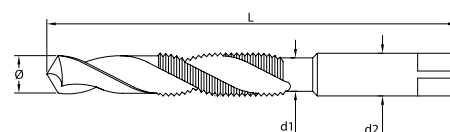
10290



DIN 357
ISO 2/6H



$\varnothing$	L	d1	d2	pcs 	cod.	
M 3 x 0,5	56	2,5	3	1	1029003X05	
4 x 0,7	63	3,3	4	1	1029004X07	
5 x 0,8	71	4,2	5	1	1029005X08	
6 x 1	80	5	6	1	1029006X1	
8 x 1,25	95	6,8	8	1	1029008X125	
10 x 1,5	106	8,5	10	1	1029010X15	
12 x 1,75	115	10,2	12	1	1029012X175	



MASCHI A MACCHINA, CAVE DIRITTE E FILETTI ALTERNATI, IMB. CORRETTO, FIL.METRICA ISO

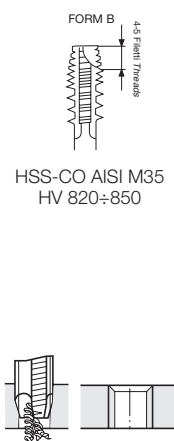
Machine taps, straight flutes, interrupted threads, spiral point / Tarauds machine, goujures droites, entrée B-gun, filets alternés

Machos de maquina, entrada tipo "B" y dientes alternados / Maschinen-gewindebohrer, schälanschnitt form "B", ausgesetzt Zahnen

10261



DIN 371/B
ISO 2/6H



Art. 10261 HSS-CO

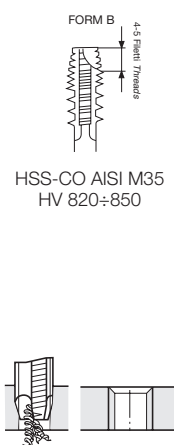
M

Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1026103X05
4 x 0,7	13	63	4,5	1	1026104X07
5 x 0,8	16	70	6	1	1026105X08
6 x 1	19	80	6	1	1026106X1
8 x 1,25	22	90	8	1	1026108X125
10 x 1,5	24	100	10	1	1026110X15

10262



DIN 376/B
ISO 2/6H



Art. 10262 HSS-CO

M

Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	2,2	1	1026203X05
4 x 0,7	13	63	2,8	1	1026204X07
5 x 0,8	16	70	3,5	1	1026205X08
6 x 1	19	80	4,5	1	1026206X1
8 x 1,25	22	90	6	1	1026208X125
10 x 1,5	24	100	7	1	1026210X15
12 x 1,75	29	110	9	1	1026212X175
14 x 2	30	110	11	1	1026214X2
16 x 2	30	110	12	1	1026216X2
18 x 2,5	34	125	14	1	1026218X25
20 x 2,5	34	140	16	1	1026220X25
22 x 2,5	34	140	18	1	1026222X25
24 x 3	38	160	18	1	1026224X3

Gambo cilindrico Ø ≤ M3
Round shank

Applicazioni / Applications



Inox



Alu



Acciaio
Steel



- Per filettature in fori passanti in acciai con R_z900 N/mm², acciai da bonifica e cementazione, acciai inox, materiali di difficile truciolabilità, acciai da utensile, bronzi e leghe di rame, alluminio e leghe, materiali sintetici duri.
- For through holes in steel with R_z900 N/mm², high alloy steel, tool steel, stainless steel, bronze, hard sinterized materials.
- Pour trous débouchants en acier avec R_z900 N/mm², acier allié et acier construction, fonte, bronze, matériel synthétique.
- Para orificios pasantes en aceros con R_z900 N/mm², acero aleado, acero inox, bronce, aluminio y aleaciones ligeras.
- Für durchgangsloch in Stahl mit R_z900 N/mm², werkzeuge Stähle, Bronze, rostfreie Stähle, alu langspanend und kurzspanend.

MASCHI A MACCHINA "CORTI" ISO 529

Short machine taps ISO 529 / Tarauds machine courte ISO 529

Machos de maquina cortos ISO 529 / Kurzmaschinen-Gewindebohrer

Art. 10172 HSS-G

M

10172



ISO 529/B



Ø	/	L	d	pcs 	cod.	
M 2 x 0,4	8	41	2,5	1	1017202X04	
2,5 x 0,45	9,5	44,5	2,8	1	10172025X045	
2,6 x 0,45	9,5	44,5	2,9	1	10172026X045	
3 x 0,5	11	48	3,15	1	1017203X05	
3,5 x 0,6	13	50	3,55	1	10172035X06	
4 x 0,7	13	53	4	1	1017204X07	
5 x 0,8	16	58	5	1	1017205X08	
6 x 1	19	66	6,3	1	1017206X1	
8 x 1,25	22	72	8	1	1017208X125	
10 x 1,5	24	80	10	1	1017210X15	
12 x 1,75	29	89	9	1	1017212X175	



M 3÷12 7 pcs

10240313 HSS

Art. 10173 HSS-G

10173



ISO 529/C 35°



Ø	/	L	d	pcs 	cod.	
M 2,5 x 0,45	9,5	44,5	2,8	1	10173025X045	
2,6 x 0,45	9,5	44,5	2,9	1	10173026X045	
3 x 0,5	11	48	3,15	1	1017303X05	
4 x 0,7	13	53	4	1	1017304X07	
5 x 0,8	16	58	5	1	1017305X08	
6 x 1	19	66	6,3	1	1017306X1	
8 x 1,25	22	72	8	1	1017308X125	
10 x 1,5	24	80	10	1	1017310X15	
12 x 1,75	29	89	9	1	1017312X175	



M 3÷12 7 pcs

10240314 HSS

Applicazioni / Applications



MASCHI A MACCHINA "SOVRADIMENSIONATI", FIL. DIN 13 A PASSO GROSSO

Machine taps oversize / Tarauds machine surdimensionné

Machos de maquina sobredimensionados / Gewindebohrer übergroß

HSS-CO ISO 3

6G

Art. 10310

Art. 10313



DIN 371/B
DIN 376/B

DIN 371/C-35°
DIN 376/C-35°



Ø	/	L	pcs	cod.
DIN 371/B				
M 3 x 0,5	11	56	1	1031003X05
4 x 0,7	13	63	1	1031004X07
5 x 0,8	16	70	1	1031005X08
6 x 1	19	80	1	1031006X1
8 x 1,25	22	90	1	1031008X125
10 x 1,5	24	100	1	1031010X15
DIN 376/B				
M 12 x 1,75	29	110	1	1031012X175

/	L	pcs	cod.
DIN 371/C-35°			
6	56	1	1031303X05
7	63	1	1031304X07
8	70	1	1031305X08
10	80	1	1031306X1
14	90	1	1031308X125
16	100	1	1031310X15

7G

Art. 10311

Art. 10314

Ø	/	L	pcs	cod.
DIN 371/B				
M 3 x 0,5	11	56	1	1031103X05
4 x 0,7	13	63	1	1031104X07
5 x 0,8	16	70	1	1031105X08
6 x 1	19	80	1	1031106X1
8 x 1,25	22	90	1	1031108X125
10 x 1,5	24	100	1	1031110X15
DIN 376/B				
M 12 x 1,75	29	110	1	1031112X175

/	L	pcs	cod.
DIN 371/C-35°			
6	56	1	1031403X05
7	63	1	1031404X07
8	70	1	1031405X08
10	80	1	1031406X1
14	90	1	1031408X125
16	100	1	1031410X15
DIN 376/C-35°			
18	110	1	1031412X175

+ 0,1 mm

Art. 10312

Art. 10315

Ø	/	L	pcs	cod.
DIN 371/B				
M 3 x 0,5	11	56	1	1031203X05
4 x 0,7	13	63	1	1031204X07
5 x 0,8	16	70	1	1031205X08
6 x 1	19	80	1	1031206X1
8 x 1,25	22	90	1	1031208X125
10 x 1,5	24	100	1	1031210X15
DIN 376/B				
M 12 x 1,75	29	110	1	1031212X175

/	L	pcs	cod.
DIN 371/C-35°			
6	56	1	1031503X05
7	63	1	1031504X07
8	70	1	1031505X08
10	80	1	1031506X1
14	90	1	1031508X125
16	100	1	1031510X15
DIN 376/C-35°			
18	110	1	1031512X175



- Per filettature in acciai con $R \leq 850 \text{ N/mm}^2$, ghisa, metalli non erosi a truciolo lungo.
- For threading in steel with $R \leq 850 \text{ N/mm}^2$, cast iron, non ferrous metals with long chip
- Pour taraudage en acier avec $R \leq 850 \text{ N/mm}^2$, fonte, alliages légers.
- Para roscados en materiales de hasta $R \leq 850 \text{ N/mm}^2$.
- Für Gewinde Stahl mit $R \leq 850 \text{ N/mm}^2$, Stahlguss, alu Langspanend.

6G: filetto con tolleranza lasca / thread with large clearance.

7G: tolleranza necessaria per tenere conto delle distorsioni da trattamento termico / allowance for distorsion caused by heat treatment.

+0,1 mm: tolleranza che tiene conto di un eventuale spessore di rivestimento elettrodeposto (0,25 µm) / electroplating allowance thickness.

Tech

442

MASCHI A MACCHINA "LUNGI", FILETTATURA METRICA ISO A PASSO GROSSO

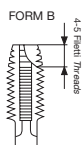
Long machine taps, ISO metric coarse threads / Tarauds machine long filetage metric ISO

Machos de máquina largos, rosca metrica larga / Lange maschinen-gewindebohrer, metrisches-Regelgewinde

Art. 10291 HSS-CO

M

10291



HSS-CO AISI M35
HV 820÷850

≈ DIN 371/B
ISO 2/6H



Ø	L	/	d	pcs	cod.		
M 3 x 0,5	100	11	3,5	1	1029103100		
4 x 0,7	100	13	4,5	1	1029104100		
4 x 0,7	120	13	4,5	1	1029104120		
5 x 0,8	100	16	6	1	1029105100		
5 x 0,8	120	16	6	1	1029105120		
5 x 0,8	150	16	6	1	1029105150		
6 x 1	100	19	6	1	1029106100		
6 x 1	120	19	6	1	1029106120		
6 x 1	150	19	6	1	1029106150		
8 x 1,25	120	22	8	1	1029108120		
8 x 1,25	150	22	8	1	1029108150		
10 x 1,5	120	24	10	1	1029110120		
10 x 1,5	150	24	10	1	1029110150		
12 x 1,75	120	29	12	1	1029112120		
12 x 1,75	150	29	12	1	1029112150		

Art. 10292 HSS-CO

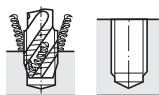
M

10292



HSS-CO AISI M35
HV 820÷850

≈ DIN 371/C-35°
ISO 2/6H



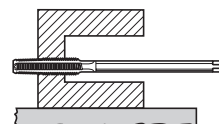
Ø	L	/	d	pcs	cod.		
M 3 x 0,5	100	6	3,5	1	1029203100		
4 x 0,7	100	7	4,5	1	1029204100		
4 x 0,7	120	7	4,5	1	1029204120		
5 x 0,8	100	8	6	1	1029205100		
5 x 0,8	120	8	6	1	1029205120		
5 x 0,8	150	8	6	1	1029205150		
6 x 1	100	10	6	1	1029206100		
6 x 1	120	10	6	1	1029206120		
6 x 1	150	10	6	1	1029206150		
8 x 1,25	120	14	8	1	1029208120		
8 x 1,25	150	14	8	1	1029208150		
10 x 1,5	120	16	10	1	1029210120		
10 x 1,5	150	16	10	1	1029210150		
12 x 1,75	120	18	12	1	1029212120		
12 x 1,75	150	18	12	1	1029212150		

Applicazioni / Applications

R ≤ 850 N/mm²



- Per maschiature in acciai con R_s850 N/mm², ghisa malleabile, metalli non ferrosi a truciolo lungo, acciai resistenti al calore, acciai refrattari, acciai inox.
- For threading steel with R_s850 N/mm², malleable cast iron, nonferrous metal with long chips, heat-resistant and refractory steel, stainless steel.
- Pour tarauder acier avec R_s850 N/mm², fonte malléable, alliages légers, acier réfractaire et acier inoxydable.
- Para atornillar acero con R_s850 N/mm², fundición, aleaciones ligeras, acero aleado y refractario, acero inoxidable.
- Um in Stahl mit R_s850 N/mm², Temperguss, Nichteisenmetalle, hitzbeständigem Stahl und rostfreierem Stahl Gewinde zu bohren.



MASCHI A MACCHINA CON TRATTAMENTO DI RIVESTIMENTO SUPERFICIALE

Machine taps with coating treatment / Tarauds machine avec traitement de revêtement superficiel

Machos de maquina con tratamiento de recubrimiento superficial / Maschinengewindebohrer mit Beschichtung

10297 10298



DIN 371/B HSS-CO VAPO
DIN 376/B



Art. 10297 HSS-CO VAPO

M

Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1029703X05
4 x 0,7	13	63	4,5	1	1029704X07
5 x 0,8	16	70	6	1	1029705X08
6 x 1	19	80	6	1	1029706X1
8 x 1,25	22	90	8	1	1029708X125
10 x 1,5	24	100	10	1	1029710X15

Art. 10298 HSS-CO VAPO

Ø	/	L	d	pcs	cod.
M 12 x 1,75	29	110	9	1	1029812X175
14 x 2	30	110	11	1	1029814X2
16 x 2	30	110	12	1	1029816X2
18 x 2,5	34	125	14	1	1029818X25
20 x 2,5	34	140	16	1	1029820X25



M 3÷12 7 pcs

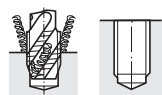
10345315
HSS-CO VAPO

Finitura: Ossidazione in vapore di Fe₃O₄ che aumenta la durezza superficiale e la resistenza a usura riducendo la tendenza all'incollamento dei trucioli.
Finish: Steam Tempered of Fe₃O₄, increasing surface hardness and wear resistance.

10299 10300



DIN 371/C - 35° HSS-CO VAPO
DIN 376/C - 35°



Art. 10299 HSS-CO VAPO

M

Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1029903X05
4 x 0,7	7	63	4,5	1	1029904X07
5 x 0,8	8	70	6	1	1029905X08
6 x 1	10	80	6	1	1029906X1
8 x 1,25	14	90	8	1	1029908X125
10 x 1,5	16	100	10	1	1029910X15

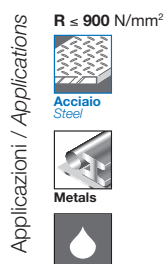
Art. 10300 HSS-CO VAPO

Ø	/	L	d	pcs	cod.
M 12 x 1,75	18	110	9	1	1030012X175
14 x 2	20	110	11	1	1030014X2
16 x 2	22	110	12	1	1030016X2
18 x 2,5	25	125	14	1	1030018X25
20 x 2,5	25	140	16	1	1030020X25



M 3÷12 7 pcs

10345316
HSS-CO VAPO



- R ≤ 900 N/mm²**
- Per acciai con R ≤ 900 N/mm², materiali medianamente abrasivi, ghisa e metalli in genere.
 - Suitable for steel with R ≤ 900 N/mm², quite abrasive materials, cast iron, metals.
 - Para los aceros con R ≤ 900 N/mm², materiales medianamente abrasivos, fundición y todos los metales.
 - Pour les aciers avec R ≤ 900 N/mm², matériaux modérément abrasifs, de la fonte et tous les métaux.

MASCHI A MACCHINA IN HSS-CO RIVESTITI AL TiN, FIL. METRICA ISO A PASSO GROSSO

HSS-CO TiN coated machine taps, metric thread / Tarauds machine HSS-CO avec revêtement TiN, fil. métrique / Machos de maquina HSS-CO con recubrimiento de titanio, rosca metrica / Maschinengewindebohrer mit TiN beschichtung für metrisches ISO Regelgewinde

10350 10351

Art. 10350 HSS-CO+TiN

M



DIN 371/B DIN 376/B



Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1035003X05
4 x 0,7	13	63	4,5	1	1035004X07
5 x 0,8	16	70	6	1	1035005X08
6 x 1	19	80	6	1	1035006X1
8 x 1,25	22	90	8	1	1035008X125
10 x 1,5	24	100	10	1	1035010X15

Art. 10351 HSS-CO+TiN

Ø	/	L	d	pcs	cod.
M 12 x 1,75	29	110	9	1	1035112X175
14 x 2	30	110	11	1	1035114X2
16 x 2	30	110	12	1	1035116X2
18 x 2,5	34	125	14	1	1035118X25
20 x 2,5	34	140	16	1	1035120X25
22 x 2,5	34	140	18	1	1035122X25
23 x 3	38	160	18	1	1035124X3



M 3÷12 7 pcs

10390300
HSS-CO+TiN

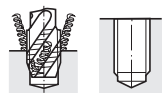
10354 10355

Art. 10354 HSS-CO+TiN

M



DIN 371/C-35° DIN 376/C-35°



Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1035403X05
4 x 0,7	7	63	4,5	1	1035404X07
5 x 0,8	8	70	6	1	1035405X08
6 x 1	10	80	6	1	1035406X1
8 x 1,25	14	90	8	1	1035408X125
10 x 1,5	16	100	10	1	1035410X15

Art. 10355 HSS-CO+TiN

Ø	/	L	d	pcs	cod.
M 12 x 1,75	18	110	9	1	1035512X175
14 x 2	20	110	11	1	1035514X2
16 x 2	22	110	12	1	1035516X2
18 x 2,5	25	125	14	1	1035518X25
20 x 2,5	25	140	16	1	1035520X25
22 x 2,5	25	140	18	1	1035522X25
24 x 3	30	160	18	1	1035524X3



M 3÷12 7 pcs

10390305
HSS-CO+TiN

Applicazioni / Applications

R ≤ 1200 N/mm²



Inox



Acciaio



- Alto rendimento nella filettatura in acciai ad elevata resistenza sino a R_s1200 N/mm², quali acciai da bonifica alto legati, acciai inox, acciai resistenti agli acidi, acciai refrattari. Temperatura max. di lavoro 550°.
- High performances in high strength steel R_s1200 N/mm², stainless steel, acid resistant steel, high alloy construction steel.
- Haute rendement en taraudage des aciers alliés traités, acier inox, acier réfractaire avec R_s1200 N/mm².
- Alto rendimiento en taladro de acero de alta resistencia de hasta R_s1200 N/mm², acero inox, acero tratado, etc.
- Breites Anwendungsspektrum u.a. für gut Spanbare Stähle, rostfrei Stähle, Säurebeständigstähle und Vergütungsstähle bis 1200 N/mm².

MASCHI A MACCHINA UNIVERSALI, FILETTATURA METRICA ISO A PASSO GROSSO

Universal machine taps, metric thread / Tarauds machine, fil. Métrique

Machos de maquina, rosca metrica / Maschinen-Gewindebohrer für metrisches ISO-Regelgewinde

SUPER POWER TAPS

METALLURGIA DELLE POLVERI
POWDER METALLURGY

10362

HSS-CO (PM)+TiN DIN 371/B ISO 2/6H

Gambo rinforzato / Reinforced shank / Queue renforcée / Mango reforzado / Verstärkten Shaft

M

Ø	/	L	d	pcs	cod.
M 2 x 0,4	8	45	2,8	1	1036202X04
3 x 0,5	11	56	3,5	1	1036203X05
4 x 0,7	13	63	4,5	1	1036204X07
5 x 0,8	16	70	6	1	1036205X08
6 x 1	19	80	6	1	1036206X1
8 x 1,25	22	90	8	1	1036208X125
10 x 1,5	24	100	10	1	1036210X15



M 3÷12 7 pcs

10390320
HSS-CO+TiN



HSS-CO+TiN
HV 0,05=2500



DIN 371/B DIN 376/B



≤ 3°

HSS-CO (PM)+TiN DIN 376/B ISO 2/6H

Ø	/	L	d	pcs	cod.
M 12 x 1,75	18	110	9	1	1036212X175
14 x 2	20	110	11	1	1036214X2
16 x 2	22	110	12	1	1036216X2
18 x 2,5	25	125	14	1	1036218X25
20 x 2,5	25	140	16	1	1036220X25



M 3÷12 14 pcs

2,5-3,3-4,2-5
6,8-8,5-10,2

10390321
HSS-CO+TiN

10363

HSS-CO+TiN DIN 371/C-40° ISO 2/6H

Gambo rinforzato / Reinforced shank / Queue renforcée / Mango reforzado / Verstärkten Shaft

M

Ø	/	L	d	pcs	cod.
M 2 x 0,4	6	45	2,8	1	1036302X04
3 x 0,5	6	56	3,5	1	1036303X05
4 x 0,7	7	63	4,5	1	1036304X07
5 x 0,8	8	70	6	1	1036305X08
6 x 1	10	80	6	1	1036306X1
8 x 1,25	14	90	8	1	1036308X125
10 x 1,5	16	100	10	1	1036310X15

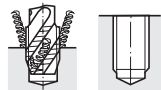


40°

HSS-CO+TiN



DIN 371/C-40°



≤ 3°

Metallurgia delle polveri / Powder metallurgy

L'acciaio superrapido, derivato dal processo di metallurgia delle polveri, offre prestazioni eccezionali: presenta una elevata durezza a caldo e una elevata tenacità, garantita dall'alto contenuto di elementi di lega e dalla microstruttura fortemente omogenea. Gli utensili prodotti con la metallurgia delle polveri (Powder Metallurgy) hanno una durata più elevata ed un rendimento più alto, oltre che una finitura superficiale ottima, che agevola lo scorrimento dei trucioli di lavorazione lontano dalla zona di taglio. HSS made by powder metallurgy has excellent performances: its homogeneous structure assures high toughness and high resistance. The finishing of the tools are really smooth, so the chip can easily be evacuated far from the cutting zone, thus avoiding built-up edge growth. L'acier super rapide, issu du procédé de métallurgie des poudres, offre des performances exceptionnelles : il présente une dureté à chaud élevée et une haute ténacité, garantie par la forte teneur en éléments d'alliage et par la microstructure très homogène. Les outils fabriqués avec la métallurgie des poudres (Powder Metallurgy) ont une durée et un rendement plus élevés ainsi qu'une excellente finition de surface, ce qui facilite le glissement des copeaux d'usinage hors de la zone de découpe. El acero super-rápido derivado del proceso de metalurgia de los polvos ofrece unas prestaciones excepcionales; presenta una elevada dureza en caliente y una elevada tenacidad, garantizada por el alto contenido de elementos de aleación y por la micro-estructura altamente homogénea. Los utensilios producidos con la metalurgia de los polvos (Powder Metallurgy) tienen una duración más extensa y un rendimiento más elevado, además de un óptimo acabado superficial, que facilita el deslizamiento de las rebabas del trabajo lejos de la zona de corte. Der Hochleistungs-Schnellstahl aus dem Verfahren der Pulvermetallurgie bietet außergewöhnliche Leistungen: er verfügt über eine hohe Hitzebeständigkeit und eine hohe Zähigkeit, die durch den hohen Gehalt an Legierungselementen und die äußerst homogene Mikrostruktur garantiert ist. Die mit der Pulvermetallurgie (Powder Metallurgy) hergestellten Werkzeuge besitzen eine höhere Haltbarkeit und eine höhere Arbeitsleistung. Zudem bieten sie eine hervorragende Oberflächengüte, die das Gleiten der Späne aus dem Schneidbereich erleichtert.

MASCHI A MACCHINA UNIVERSALI, FILETTATURA METRICA ISO A PASSO GROSSO

Universal machine taps, metric thread / Tarauds machine, fil. Metrique

Machos de maquina, rosca metrica / Maschinen-Gewindebohrer für metrisches ISO-Regelgewinde

SUPER POWER TAPS

10515

HSS-CO DIN 371/B ISO 2/6H

Gambo rinforzato / Reinforced shank / Queue renforcée / Mango reforzado / Verstärkten Shaft

Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1051503X05
4 x 0,7	13	63	4,5	1	1051504X07
5 x 0,8	16	70	6,0	1	1051505X08
6 x 1	19	80	6,0	1	1051506X1
8 x 1,25	22	90	8,0	1	1051508X125
10 x 1,5	24	100	10,0	1	1051510X15

VAPO



M 3÷12 7 pcs

10520307
HSS-CO VAPO

HSS-CO DIN 376/B ISO 2/6H

Ø	/	L	d	pcs	cod.
M 12 x 1,75	29	110	9,0	1	1051512X175
14 x 2	30	110	11,0	1	1051514X2
16 x 2	30	110	12,0	1	1051516X2
20 x 2,5	34	140	16,0	1	1051520X25

HSS-CO DIN 371/C-40° ISO 2/6H

Gambo rinforzato / Reinforced shank / Queue renforcée / Mango reforzado / Verstärkten Shaft

Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1051603X05
4 x 0,7	7	63	4,5	1	1051604X07
5 x 0,8	8	70	6,0	1	1051605X08
6 x 1	10	80	6,0	1	1051606X1
8 x 1,25	14	90	8,0	1	1051608X125
10 x 1,5	16	100	10,0	1	1051610X15

VAPO

HSS-CO DIN 376/B ISO 2/6H

Ø	/	L	d	pcs	cod.
M 12 x 1,75	18,5	110	9,0	1	1051612X175
16 x 2	20	110	12,0	1	1051616X2
20 x 2,5	25	140	16,0	1	1051620X25

Applicazioni / Applications
R ≤ 900 N/mm²



- I maschi con anello verde hanno un alto rendimento nella filettatura di acciai con resistenza R<900 N/mm², materiali mediamente abrasivi, alluminio e sue leghe, acciai in genere e ghise. Il trattamento superficiale di vaporizzazione aumenta la durezza superficiale e la resistenza a usura del maschio.
- Green ring machine taps are useful when threading steel with R<900 N/mm², light abrasive materials, aluminium and its alloys, general steels and cast iron. The steam tempering of the tap increases hardness and wear resistance.

10516

Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1051603X05
4 x 0,7	7	63	4,5	1	1051604X07
5 x 0,8	8	70	6,0	1	1051605X08
6 x 1	10	80	6,0	1	1051606X1
8 x 1,25	14	90	8,0	1	1051608X125
10 x 1,5	16	100	10,0	1	1051610X15

VAPO

Applicazioni / Applications
R ≤ 900 N/mm²



- I maschi con anello verde hanno un alto rendimento nella filettatura di acciai con resistenza R<900 N/mm², materiali mediamente abrasivi, alluminio e sue leghe, acciai in genere e ghise. Il trattamento superficiale di vaporizzazione aumenta la durezza superficiale e la resistenza a usura del maschio.
- Green ring machine taps are useful when threading steel with R<900 N/mm², light abrasive materials, aluminium and its alloys, general steels and cast iron. The steam tempering of the tap increases hardness and wear resistance.

MASCHI A MACCHINA CON CANALINA DI REFRIGERAZIONE INTERNA, FILETTATURA METRICA ISO A PASSO GROSSO

Machine taps with internal cooling system, ISO metric thread / Tarauds machine avec trous réfrigérants, filetage metric ISO

Machos de maquina con sistema de refrigeración interno, rosca metrica larga / Maschinen-gewindebohrer mit Schmierloch, metrisches-Regelgewinde

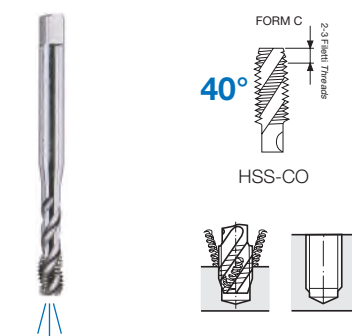
10330

HSS-CO DIN 371/C-40° ISO 2/6H

Gambo rinforzato / Reinforced shank / Queue renforcée / Mango reforzado / Verstärkten Shaft

Ø	/	L	d	pcs	cod.
M 5 x 0,8	8,5	70	6	1	1033005X08
6 x 1	11	80	6	1	1033006X1
8 x 1,25	14	90	8	1	1033008X125
10 x 1,5	16	100	10	1	1033010X15

VAPO



MASCHI A MACCHINA IN HSS-CO RIVESTITI AL TiAlN, FIL. METRICA ISO A PASSO GROSSO

HSS-CO TiAlN coated machine taps / Tarauds machine HSS-CO avec revêtement TiAlN, fil. métrique / Machos de maquina HSS-CO con recubrimiento TiAlN, rosca metrica / Maschinengewindebohrer mit TiAlN beschichtung für metrisches ISO Regeltgewinde

10400 10401

Art. 10400 HSS-CO+TiAlN

M



DIN 371/B DIN 376/B



Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1040003X05
4 x 0,7	13	63	4,5	1	1040004X07
5 x 0,8	16	70	6	1	1040005X08
6 x 1	19	80	6	1	1040006X1
8 x 1,25	22	90	8	1	1040008X125
10 x 1,5	24	100	10	1	1040010X15

Art. 10401 - HSS-CO+TiAlN

Ø	/	L	d	pcs	cod.
M 12 x 1,75	29	110	9	1	1040112X175
14 x 2	30	110	11	1	1040114X2
16 x 2	30	110	12	1	1040116X2
18 x 2,5	34	125	14	1	1040118X25
20 x 2,5	34	140	16	1	1040120X25
22 x 2,5	34	140	18	1	1040122X25
24 x 3	38	160	18	1	1040124X3



M 3÷12 7 pcs

10450300
HSS-CO+TiAlN

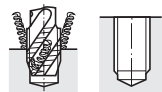
10404 10405

Art. 10404 HSS-CO+TiAlN

M



DIN 371/C-35° DIN 376/C-35°



Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1040403X05
4 x 0,7	7	63	4,5	1	1040404X07
5 x 0,8	8	70	6	1	1040405X08
6 x 1	10	80	6	1	1040406X1
8 x 1,25	14	90	8	1	1040408X125
10 x 1,5	16	100	10	1	1040410X15

Art. 10405 - HSS-CO+TiAlN

Ø	/	L	d	pcs	cod.
M 12 x 1,75	18	110	9	1	1040512X175
14 x 2	20	110	11	1	1040514X2
16 x 2	22	110	12	1	1040516X2
18 x 2,5	25	125	14	1	1040518X25
20 x 2,5	25	140	16	1	1040520X25
22 x 2,5	25	140	18	1	1040522X25
24 x 3	30	160	18	1	1040524X3



M 3÷12 7 pcs

10450305
HSS-CO+TiAlN

MASCHI A MACCHINA CON CANALINA DI REFRIGERAZIONE INTERNA, FILETTATURA METRICA ISO A PASSO GROSSO

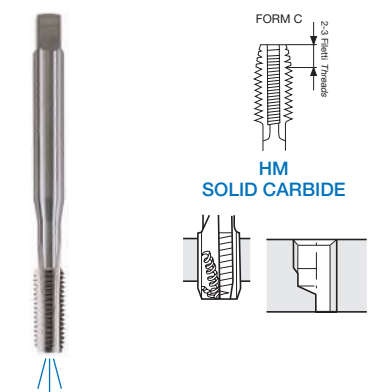
Machine taps with internal cooling system, ISO metric thread / Tarauds machine avec trous réfrigérants, filetage metric ISO / Machos de màquina con sistema de refrigeración interno, rosca metrica larga / Maschinen-gewindebohrer mit Schmierloch, metrisches-Regeltgewinde

10340

HM DIN 371/C ISO 6HX

TOP PERFORMANCE

Gambo rinforzato / Reinforced shank / Queue renforcée / Mango reforzado / Verstärkten Shaft



Ø	/	L	d	pcs	cod.
M 3 x 0,5	8	56	3,5	1	1034003X05
4 x 0,7	10	63	4,5	1	1034004X07
5 x 0,8	10	70	6	1	1034005X08
6 x 1	12	80	6	1	1034006X1
8 x 1,25	16	90	8	1	1034008X125
10 x 1,5	18	100	10	1	1034010X15

Applicazioni / Applications
R ≤ 1300 N/mm²



- Altissimo rendimento nella maschiatura di acciai ad alta resistenza sino a R_s1300 N/mm², quali acciai inox, acciai resistenti alla corrosione, acciai refrattari, acciai da bonifica alto legati trattati. Temperatura operativa sino a 800°
- High performances in high strength steel with R_s1300 N/mm², stainless steel, heat resistant steel, high alloy steel.

MASCHI A MACCHINA, SCAN. DIRITTE, IMB. CORRETTO, FILETTATURA METRICA ISO A PASSO FINE

Machine taps, metric ISO fine thread / Tarauds machine, filetage métrique pas fin

Machos de maquina, rosca metrica fina / Maschinengewindebohrer für metrisches ISO fein-Gewinde

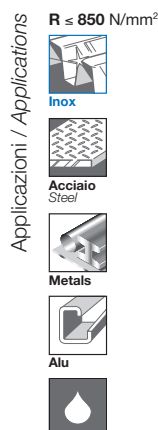
HSS-CO DIN 374/B ISO 2/6H

MF

10259



Gambo cilindrico
Ø ≤ M3
Round shank



- Per fori passanti in acciai con R_s850 N/mm², ghisa, metalli non ferrosi a truciolo lungo.
- For through holes in steel with R_s850 N/mm², cast iron, non ferrous metals with long chip.
- Pour trous débouchants en acier avec R_s850 N/mm², fonte, alliages légers.
- Para orificios pasantes en materiales de hasta R_s850 N/mm².
- Für durchgangsloch in Stahl mit R_s850 N/mm², Stahlguss, alu langspanend.

Ø	/	L	d	pcs	cod.
M 3 x 0,35	9	56	2,2	1	1025903X035
4 x 0,35	10	63	2,8	1	1025904X035
4 x 0,5	10	63	2,8	1	1025904X05
5 x 0,5	12	70	3,5	1	1025905X05
5 x 0,75	12	70	3,5	1	1025905X075
6 x 0,5	14	80	4,5	1	1025906X05
6 x 0,75	14	80	4,5	1	1025906X075
7 x 0,75	14	80	5,5	1	1025907X075
8 x 0,5	19	80	6	1	1025908X05
8 x 0,75	19	80	6	1	1025908X075
8 x 1	22	90	6	1	1025908X1
9 x 0,75	19	80	7	1	1025909X075
9 x 1	22	90	7	1	1025909X1
10 x 0,75	20	90	7	1	1025910X075
10 x 1	20	90	7	1	1025910X1
10 x 1,25	24	100	7	1	1025910X125
11 x 1	20	90	8	1	1025911X1
11 x 1,25	22	90	8	1	1025911X125
12 x 0,75	22	100	9	1	1025912X075
12 x 1	22	100	9	1	1025912X1
12 x 1,25	22	100	9	1	1025912X125
12 x 1,5	22	100	9	1	1025912X15
13 x 1	22	100	11	1	1025913X1
13 x 1,5	22	100	11	1	1025913X15
14 x 0,75	22	100	11	1	1025914X075
14 x 1	22	100	11	1	1025914X1
14 x 1,25	22	100	11	1	1025914X125
14 x 1,5	22	100	11	1	1025914X15
15 x 1	22	100	12	1	1025915X1
15 x 1,5	22	100	12	1	1025915X15
16 x 1	22	100	12	1	1025916X1
16 x 1,25	22	100	12	1	1025916X125
16 x 1,5	22	100	12	1	1025916X15
18 x 1	25	110	14	1	1025918X1
18 x 1,25	25	110	14	1	1025918X125
18 x 1,5	25	110	14	1	1025918X15
18 x 2	34	125	14	1	1025918X2
20 x 1	25	125	16	1	1025920X1
20 x 1,25	25	125	16	1	1025920X125
20 x 1,5	25	125	16	1	1025920X15
20 x 2	34	140	16	1	1025920X2
21 x 1,5	25	125	16	1	1025921X15
22 x 1	25	125	18	1	1025922X1
22 x 1,25	25	125	18	1	1025922X125
22 x 1,5	25	125	18	1	1025922X15
22 x 2	34	140	18	1	1025922X2
23 x 1,5	25	125	18	1	1025923X15
24 x 1	28	140	18	1	1025924X1
24 x 1,25	28	140	18	1	1025924X125
24 x 1,5	28	140	18	1	1025924X15
24 x 2	28	140	18	1	1025924X2
25 x 1	28	140	18	1	1025925X1

Ø	/	L	d	pcs	cod.
M 25 x 1,5	28	140	18	1	1025925X15
25 x 2	28	140	18	1	1025925X2
26 x 1	28	140	18	1	1025926X1
26 x 1,5	28	140	18	1	1025926X15
26 x 2	28	140	18	1	1025926X2
27 x 1	28	140	20	1	1025927X1
27 x 1,5	28	140	20	1	1025927X15
27 x 2	28	140	20	1	1025927X2
28 x 1	28	140	20	1	1025928X1
28 x 1,5	28	140	20	1	1025928X15
28 x 2	28	140	20	1	1025928X2
29 x 1,5	28	150	22	1	1025929X15
30 x 1	28	150	22	1	1025930X1
30 x 1,5	28	150	22	1	1025930X15
30 x 2	28	150	22	1	1025930X2
30 x 2,5	45	180	22	1	1025930X25
30 x 3	45	180	22	1	1025930X3
32 x 1,5	28	150	22	1	1025932X15
32 x 2	28	150	22	1	1025932X2
32 x 3	50	180	22	1	1025932X3
33 x 1,5	30	160	25	1	1025933X15
33 x 2	30	160	25	1	1025933X2
33 x 3	50	180	25	1	1025933X3
34 x 1,5	30	170	28	1	1025934X15
34 x 2	30	170	28	1	1025934X2
35 x 1,5	30	170	28	1	1025935X15
36 x 1,5	30	170	28	1	1025936X15
36 x 2	30	170	28	1	1025936X2
36 x 3	56	200	28	1	1025936X3
38 x 1,5	30	170	28	1	1025938X15
39 x 1,5	30	170	32	1	1025939X15
39 x 2	30	170	32	1	1025939X2
39 x 3	60	200	32	1	1025939X3
40 x 1,5	30	170	32	1	1025940X15
40 x 2	30	170	32	1	1025940X2
40 x 3	60	200	32	1	1025940X3
42 x 1,5	30	170	32	1	1025942X15
42 x 2	30	170	32	1	1025942X2
42 x 3	60	200	32	1	1025942X3
45 x 1,5	32	180	36	1	1025945X15
45 x 2	32	180	36	1	1025945X2
45 x 3	50	200	36	1	1025945X3
48 x 1,5	32	190	36	1	1025948X15
48 x 2	32	190	36	1	1025948X2
48 x 3	50	225	36	1	1025948X3
50 x 1,5	32	190	36	1	1025950X15
50 x 2	32	190	36	1	1025950X2
50 x 3	50	225	36	1	1025950X3
52 x 1,5	32	190	40	1	1025952X15
52 x 2	32	190	40	1	1025952X2
52 x 3	50	225	40	1	1025952X3
63 x 1,5	50	275	50	1	1025963X15

MASCHI A MACCHINA, SCAN. ELICOIDALI 35°, FIL. METRICA ISO A PASSO FINE

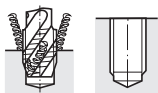
Machine taps, 35° spiral flute, metric fine thread - Tarauds machine, goujournes 35°, filetage métrique fin

Machos de maquina, canal helicoidal 35°, rosca metrica fina / Maschinen-gewindebohrer, 35° rechtsspirale, für metrisches ISO Feingewinde

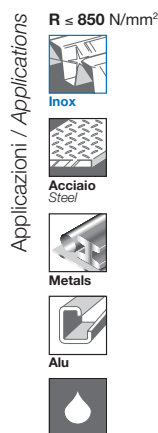
HSS-CO DIN 374/C-35° ISO 2/6H

MF

10260



Gambo cilindrico
Ø ≤ M3
Round shank



- Per fori ciechi in acciai con R_s850 N/mm², ghisa malleabile, metalli non ferrosi a truciolo lungo, acciai resistenti al calore, acciai inox.
- For blind holes in steel with R_s850 N/mm², malleable cast iron, non ferrous metals with long chips, stainless steel, heat resistant steel.
- Pour trous borgnes en acier avec R_s850 N/mm², fonte, alliages légers, acier inoxydable.
- Para orificios ciegos en acero de hasta R_s850 N/mm², aleaciones ligeras, fundicion, acero aleado y acero inox.
- Für grundloch in Stahl mit R_s850 N/mm², Stahlguss, alu langspanend, korrosions beständige Stähle (V2A – V4A) etc.

Ø	/	L	d	pcs	cod.
M 3 x 0,35	9	56	2,2	1	1026003X035
4 x 0,35	10	63	2,8	1	1026004X035
4 x 0,5	10	63	2,8	1	1026004X05
5 x 0,5	12	70	3,5	1	1026005X05
5 x 0,75	12	70	3,5	1	1026005X075
6 x 0,5	14	80	4,5	1	1026006X05
6 x 0,75	14	80	4,5	1	1026006X075
7 x 0,75	14	80	5,5	1	1026007X075
8 x 0,5	19	80	6	1	1026008X05
8 x 0,75	19	80	6	1	1026008X075
8 x 1	22	90	6	1	1026008X1
9 x 0,75	19	80	7	1	1026009X075
9 x 1	22	90	7	1	1026009X1
10 x 0,75	20	90	7	1	1026010X075
10 x 1	20	90	7	1	1026010X1
10 x 1,25	24	100	7	1	1026010X125
11 x 1	20	90	8	1	1026011X1
11 x 1,25	22	90	8	1	1026011X125
12 x 0,75	22	100	9	1	1026012X075
12 x 1	22	100	9	1	1026012X1
12 x 1,25	22	100	9	1	1026012X125
12 x 1,5	22	100	9	1	1026012X15
13 x 1	22	100	11	1	1026013X1
13 x 1,5	22	100	11	1	1026013X15
14 x 0,75	22	100	11	1	1026014X075
14 x 1	22	100	11	1	1026014X1
14 x 1,25	22	100	11	1	1026014X125
14 x 1,5	22	100	11	1	1026014X15
15 x 1	22	100	12	1	1026015X1
15 x 1,5	22	100	12	1	1026015X15
16 x 1	22	100	12	1	1026016X1
16 x 1,25	22	100	12	1	1026016X125
16 x 1,5	22	100	12	1	1026016X15
18 x 1	25	110	14	1	1026018X1
18 x 1,25	25	110	14	1	1026018X125
18 x 1,5	25	110	14	1	1026018X15
18 x 2	34	125	14	1	1026018X2
20 x 1	25	125	16	1	1026020X1
20 x 1,25	25	125	16	1	1026020X125
20 x 1,5	25	125	16	1	1026020X15
20 x 2	34	140	16	1	1026020X2
21 x 1,5	25	125	16	1	1026021X15
22 x 1	25	125	18	1	1026022X1
22 x 1,25	25	125	18	1	1026022X125
22 x 1,5	25	125	18	1	1026022X15
22 x 2	34	140	18	1	1026022X2
23 x 1,5	25	125	18	1	1026023X15
24 x 1	28	140	18	1	1026024X1
24 x 1,25	28	140	18	1	1026024X125
24 x 1,5	28	140	18	1	1026024X15
24 x 2	28	140	18	1	1026024X2
25 x 1	28	140	18	1	1026025X1

Ø	/	L	d	pcs	cod.
M 25 x 1,5	28	140	18	1	1026025X15
25 x 2	28	140	18	1	1026025X2
26 x 1	28	140	18	1	1026026X1
26 x 1,5	28	140	18	1	1026026X15
26 x 2	28	140	18	1	1026026X2
27 x 1	28	140	20	1	1026027X1
27 x 1,5	28	140	20	1	1026027X15
27 x 2	28	140	20	1	1026027X2
28 x 1	28	140	20	1	1026028X1
28 x 1,5	28	140	20	1	1026028X15
28 x 2	28	140	20	1	1026028X2
29 x 1,5	28	150	22	1	1026029X15
30 x 1	28	150	22	1	1026030X1
30 x 1,5	28	150	22	1	1026030X15
30 x 2	28	150	22	1	1026030X2
30 x 2,5	45	180	22	1	1026030X25
30 x 3	45	180	22	1	1026030X3
32 x 1,5	28	150	22	1	1026032X15
32 x 2	28	150	22	1	1026032X2
32 x 3	50	180	22	1	1026032X3
33 x 1,5	30	160	25	1	1026033X15
33 x 2	30	160	25	1	1026033X2
33 x 3	50	180	25	1	1026033X3
34 x 1,5	30	170	28	1	1026034X15
34 x 2	30	170	28	1	1026034X2
35 x 1,5	30	170	28	1	1026035X15
36 x 1,5	30	170	28	1	1026036X15
36 x 2	30	170	28	1	1026036X2
36 x 3	56	200	28	1	1026036X3
38 x 1,5	30	170	28	1	1026038X15
39 x 1,5	30	170	32	1	1026039X15
39 x 2	30	170	32	1	1026039X2
39 x 3	60	200	32	1	1026039X3
40 x 1,5	30	170	32	1	1026040X15
40 x 2	30	170	32	1	1026040X2
40 x 3	60	200	32	1	1026040X3
42 x 1,5	30	170	32	1	1026042X15
42 x 2	30	170	32	1	1026042X2
42 x 3	60	200	32	1	1026042X3
45 x 1,5	32	180	36	1	1026045X15
45 x 2	32	180	36	1	1026045X2
45 x 3	50	200	36	1	1026045X3
48 x 1,5	32	190	36	1	1026048X15
48 x 2	32	190	36	1	1026048X2
48 x 3	50	225	36	1	1026048X3
50 x 1,5	32	190	36	1	1026050X15
50 x 2	32	190	36	1	1026050X2
50 x 3	50	225	36	1	1026050X3
52 x 1,5	32	190	40	1	1026052X15
52 x 2	32	190	40	1	1026052X2
52 x 3	50	225	40	1	1026052X3
63 x 1,5	40	275	50	1	1026063X15

MASCHI A MACCHINA, SCANALATURE DIRITTE, IMBOCCO "C", FIL. METRICA ISO A PASSO FINE

Machine taps, "C" chamfer form, metric fine thread / Tarauds machine, entrée "C", filetage métrique fin

Machos de maquina, entrada "C", rosca metrica fina / Maschinengewindebohrer für metrisches ISO-fein-Gewinde

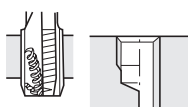
HSS-CO DIN 374/C ISO 2/6H

MF

10252



FORM C
2-3 Fine Threads
HSS-CO AISI M35
HV 820÷850



Applicazioni / Applications

R ≤ 850 N/mm²



Inox



Acciaio Steel



Metals



Alu



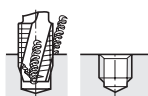
- Per fori ciechi e passanti in acciai e ghisa con R_s850 N/mm²
- For blind and through holes in steel with R_s850 N/mm²
- Pour trous débouchants et borgnes en acier avec R_s850 N/mm²
- Para orificios pasantes y ciegos in acero de hasta R_s850 N/mm²
- Für grund- und durchgangsloch in Stahl, Stahlguss mit R_s850 N/mm²

Ø	/	L	d	pcs	cod.
M 4 x 0,35	10	63	2,8	1	1025204X035
5 x 0,5	12	70	3,5	1	1025205X05
6 x 0,75	14	80	4,5	1	1025206X075
8 x 0,75	19	80	6,0	1	1025208X075
8 x 1	22	90	6,0	1	1025208X1
10 x 1	20	90	7,0	1	1025210X1
10 x 1,25	24	100	7,0	1	1025210X125
12 x 1	22	100	9,0	1	1025212X1
12 x 1,25	22	100	9,0	1	1025212X125
12 x 1,5	22	100	9,0	1	1025212X15
14 x 1	22	100	11,0	1	1025214X1
14 x 1,25	22	100	11,0	1	1025214X125
14 x 1,5	22	100	11,0	1	1025214X15
16 x 1	22	100	12,0	1	1025216X1
16 x 1,5	22	100	12,0	1	1025216X15
18 x 1	25	110	14,0	1	1025218X1
18 x 1,5	25	110	14,0	1	1025218X15
18 x 2	34	125	14,0	1	1025218X2
20 x 1	25	125	16,0	1	1025220X1
20 x 1,25	25	125	16,0	1	1025220X125
20 x 1,5	25	125	16,0	1	1025220X15
20 x 2	34	140	16,0	1	1025220X2
22 x 1	25	125	18,0	1	1025222X1
22 x 1,5	25	125	18,0	1	1025222X15
22 x 2	34	140	18,0	1	1025222X2
24 x 1	28	140	18,0	1	1025224X1
24 x 1,5	28	140	18,0	1	1025224X15
24 x 2	28	140	18,0	1	1025224X2
25 x 1	28	140	18,0	1	1025225X1
26 x 1,5	28	140	18,0	1	1025226X15
27 x 1,5	28	140	20,0	1	1025227X15
27 x 2	28	140	20,0	1	1025227X2
28 x 1,5	28	140	20,0	1	1025228X15
30 x 1,5	28	150	22,0	1	1025230X15
30 x 2	28	150	22,0	1	1025230X2
32 x 1,5	28	150	22,0	1	1025232X15
32 x 2	28	150	22,0	1	1025232X2
33 x 2	30	160	25,0	1	1025233X2
35 x 1,5	30	170	28,0	1	1025235X15
36 x 1,5	30	170	28,0	1	1025236X15
36 x 2	30	170	28,0	1	1025236X2
38 x 1,5	30	170	28,0	1	1025238X15
40 x 1,5	30	170	32,0	1	1025240X15
42 x 1,5	30	170	32,0	1	1025242X15
45 x 1,5	32	180	36,0	1	1025245X15
48 x 1,5	32	190	36,0	1	1025248X15
50 x 1,5	32	190	36,0	1	1025250X15
52 x 1,5	32	190	40,0	1	1025252X15

10198



FORM C
2-3 Fine Threads
HSS-G AISI M2
HV 750



≤ 1,5 Ø

HSS-G DIN 374/C-15° ISO 2/6H

Ø	/	L	d	pcs	cod.
M 4 x 0,5	10	63	2,8	1	1019804X05
5 x 0,5	12	70	3,5	1	1019805X05
6 x 0,75	14	80	4,5	1	1019806X075
8 x 1	22	90	6,0	1	1019808X1
10 x 1	20	90	7,0	1	1019810X1
10 x 1,25	24	100	7,0	1	1019810X125
12 x 1	22	100	9,0	1	1019812X1
12 x 1,25	22	100	9,0	1	1019812X125
14 x 1,25	22	100	11,0	1	1019814X125
14 x 1,5	22	100	11,0	1	1019814X15
16 x 1,5	22	100	12,0	1	1019816X15
20 x 1,5	25	125	16,0	1	1019820X15
22 x 1,5	25	125	18,0	1	1019822X15
24 x 1,5	28	140	18,0	1	1019824X15
24 x 2	28	140	18,0	1	1019824X2

HSS-G
*R ≤ 700 N/mm²



Acciaio Steel



Metals



Applicazioni / Applications

- Per fori ciechi in acciai con R_s≤N/mm², ghisa malleabile, metalli non ferrosi a truciolo lungo.
- For blind holes in steel with R_s≤N/mm², malleable cast iron, non ferrous metals with long chip.

MASCHI A MACCHINA A RULLARE, FIL. METRICA ISO A PASSO GROSSO

Cold forming machine taps, ISO thread / Tarauds à refouler

Machos de maquina laminacion / Maschinengewindefurher

Speciali per lamiere / Special for metal sheets / Spécial pour tôles / Especial para chapas

10280 10360

Art. 10280 HSS-CO ~ DIN 2174

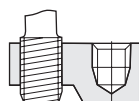
M



HSS-CO AISI M35
HV 820÷850

HSS-CO+TiN
HV 0,05=2500

ISO 2X/6HX



Ø DIN 371	/	L	d	preforo drill	pcs 	cod.
M 3 x 0,5	11	56	3,5	2,80	1	1028003X05
4 x 0,7	13	63	4,5	3,70	1	1028004X07
5 x 0,8	16	70	6,0	4,65	1	1028005X08
6 x 1	19	80	6,0	5,55	1	1028006X1
8 x 1,25	22	90	8,0	7,45	1	1028008X125
10 x 1,5	24	100	10	9,30	1	1028010X15
DIN 376						
M 12 x 1,75	29	110	9,0	11,20	1	1028012X175
14 x 2	30	110	11	13,00	1	1028014X2
16 x 2	32	110	12	15,01	1	1028016X2

Art. 10360 HSS-CO+TiN ~ DIN 2174

Ø DIN 371	/	L	d	preforo drill	pcs 	cod.
M 3 x 0,5	11	56	3,5	2,80	1	1036003X05
4 x 0,7	13	63	4,5	3,70	1	1036004X07
5 x 0,8	16	70	6,0	4,65	1	1036005X08
6 x 1	19	80	6,0	5,55	1	1036006X1
8 x 1,25	22	90	8,0	7,45	1	1036008X125
10 x 1,5	24	100	10	9,30	1	1036010X15
DIN 376						
M 12 x 1,75	29	110	9,0	11,20	1	1036012X175
14 x 2	30	110	11	13,00	1	1036014X2
16 x 2	32	110	12	15,01	1	1036016X2

10281 10361

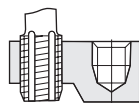
Art. 10281 HSS-CO ~ DIN 2174



HSS-CO AISI M35
HV 820÷850

HSS-CO+TiN
HV 0,05=2500

ISO 2X/6HX



Con canalini di lubrificazione
With oil grooves

Ø DIN 371	/	L	d	preforo drill	pcs 	cod.
M 3 x 0,5	11	56	3,5	2,80	1	1028103X05
4 x 0,7	13	63	4,5	3,70	1	1028104X07
5 x 0,8	16	70	6,0	4,65	1	1028105X08
6 x 1	19	80	6,0	5,55	1	1028106X1
8 x 1,25	22	90	8,0	7,45	1	1028108X125
10 x 1,5	24	100	10	9,30	1	1028110X15
DIN 376						
M 12 x 1,75	29	110	9,0	11,20	1	1028112X175
14 x 2	30	110	11	13,00	1	1028114X2
16 x 2	32	110	12	15,01	1	1028116X2

Art. 10361 HSS-CO+TiN ~ DIN 2174

Ø DIN 371	/	L	d	preforo drill	pcs 	cod.
M 3 x 0,5	11	56	3,5	2,80	1	1036103X05
4 x 0,7	13	63	4,5	3,70	1	1036104X07
5 x 0,8	16	70	6,0	4,65	1	1036105X08
6 x 1	19	80	6,0	5,55	1	1036106X1
8 x 1,25	22	90	8,0	7,45	1	1036108X125
10 x 1,5	24	100	10	9,30	1	1036110X15
DIN 376						
M 12 x 1,75	29	110	9,0	11,20	1	1036112X175
14 x 2	30	110	11	13,00	1	1036114X2
16 x 2	32	110	12	15,01	1	1036116X2

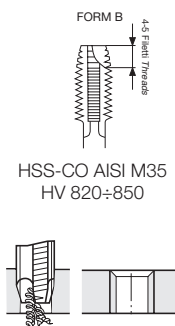
Lubrorefrigerazione con olio
o grafite raccomandata
Recommended oil or graphite cooling

MASCHI A MACCHINA, FILETTATURA GAS CILINDRICA BSP

Machine taps, BSP pipe-thread / Tarauds machine, filetage gaz BSP

Machos de maquina, rosca gas BSP / Maschinengewindebohrer für Rohrgewinder

10268



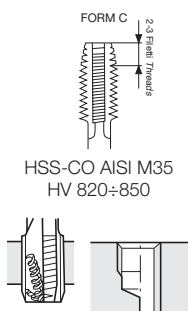
HSS-CO AISI M35
HV 820÷850

HSS-CO DIN 5156/B

BSP

	Ø	/	L	d	pcs	cod.	
G	1/8 x 28	20	90	7	1	102681/8	
	1/4 x 19	22	100	11	1	102681/4	
	3/8 x 19	22	100	12	1	102683/8	
	1/2 x 14	25	125	16	1	102681/2	
	5/8 x 14	25	125	18	1	102685/8	
	3/4 x 14	28	140	20	1	102683/4	
	7/8 x 14	28	150	22	1	102687/8	
	1" x 11	30	160	25	1	102681"	
	1.1/8 x 11	30	170	28	1	102681.1/8	
	1.1/4 x 11	30	170	32	1	102681.1/4	
	1.3/8 x 11	32	180	36	1	102681.3/8	
	1.1/2 x 11	32	190	36	1	102681.1/2	
	1.3/4 x 11	32	190	40	1	102681.3/4	
	2" x 11	40	220	45	1	102682"	

10276



HSS-CO AISI M35
HV 820÷850

HSS-CO DIN 5156/C

	Ø	/	L	d	pcs	cod.	
G	1/8 x 28	20	90	7	1	102761/8	
	1/4 x 19	22	100	11	1	102761/4	
	3/8 x 19	22	100	12	1	102763/8	
	1/2 x 14	25	125	16	1	102761/2	
	5/8 x 14	25	125	18	1	102765/8	
	3/4 x 14	28	140	20	1	102763/4	
	7/8 x 14	28	150	22	1	102767/8	
	1" x 11	30	160	25	1	102761"	
	1.1/8 x 11	30	170	28	1	102761.1/8	
	1.1/4 x 11	30	170	32	1	102761.1/4	
	1.3/8 x 11	32	180	36	1	102761.3/8	
	1.1/2 x 11	32	190	36	1	102761.1/2	
	1.3/4 x 11	32	190	40	1	102761.3/4	
	2" x 11	40	220	45	1	102762"	

10204*

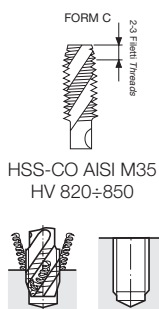


*In esaurimento
To be discontinued

HSS-G DIN 374/C-15°

	Ø	/	L	d	pcs	cod.	
G	1/8 x 28	20	90	7	1	102041/8	
	1/4 x 19	22	100	11	1	102041/4	
	3/8 x 19	22	100	12	1	102043/8	
	3/4 x 14	28	140	20	1	102043/4	
	1" x 11	30	160	25	1	102041"	

10267



HSS-CO AISI M35
HV 820÷850

HSS-CO DIN 5156/C-35°

	Ø	/	L	d	pcs	cod.	
G	1/8 x 28	20	90	7	1	102671/8	
	1/4 x 19	22	100	11	1	102671/4	
	3/8 x 19	22	100	12	1	102673/8	
	1/2 x 14	25	125	16	1	102671/2	
	5/8 x 14	25	125	18	1	102675/8	
	3/4 x 14	28	140	20	1	102673/4	
	7/8 x 14	28	150	22	1	102677/8	
	1" x 11	30	160	25	1	102671"	
	1.1/8 x 11	30	170	28	1	102671.1/8	
	1.1/4 x 11	30	170	32	1	102671.1/4	
	1.3/8 x 11	32	180	36	1	102671.3/8	
	1.1/2 x 11	32	190	36	1	102671.1/2	
	1.3/4 x 11	32	190	40	1	102671.3/4	
	2" x 11	40	220	45	1	102672"	

Applicazioni
Applications

R ≤ 850 N/mm²



MASCHI A MACCHINA, FILETTATURA INGLESE WHITWORTH A PASSO GROSSO

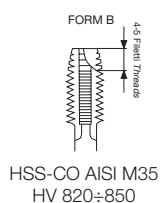
Machine taps, british standard thread / Tarauds machine, filetage BSW

Machos de maquina, rosca inglesa BSW / Maschinengewindebohrer, Whitworth-gewinde BS 84

10265 10266



≈ DIN 371/B ≈ DIN 376/B



HSS-CO AISI M35
HV 820÷850

Art. 10265 HSS-CO ISO 2/6 H

BSW

Ø	/	L	d	pcs	cod.	
BSW 1/8 x 40	5	56	3,5	1	102651/8	
5/32 x 32	6	63	4,5	1	102655/32	
3/16 x 24	9	70	5,5	1	102653/16	
1/4 x 20	10	90	7	1	102651/4	
5/16 x 18	12	90	8	1	102655/16	
3/8 x 16	14	100	10	1	102653/8	

Art. 10266 HSS-CO

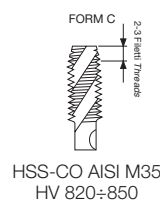
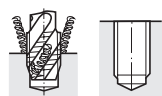
Ø	/	L	d	pcs	cod.	
BSW 7/16 x 14	20	100	8	1	102667/16	
1/2 x 12	25	110	9	1	102661/2	
9/16 x 12	25	110	11	1	102669/16	
5/8 x 11	28	110	12	1	102665/8	
3/4 x 10	32	125	14	1	102663/4	
7/8 x 9	32	140	18	1	102667/8	
1" x 8	36	160	20	1	102661"	
1.1/4 x 7	40	180	22	1	102661.1/4	
1.1/2 x 6	50	200	32	1	102661.1/2	

Art. 10274 HSS-CO

10274 10275



≈ DIN 371/C-35° ≈ DIN 376/C-35°



HSS-CO AISI M35
HV 820÷850

Ø	/	L	d	pcs	cod.	
BSW 1/8 x 40	5	56	3,5	1	102741/8	
5/32 x 32	6	63	4,5	1	102745/32	
3/16 x 24	9	70	5,5	1	102743/16	
1/4 x 20	10	90	7	1	102741/4	
5/16 x 18	12	90	8	1	102745/16	
3/8 x 16	14	100	10	1	102743/8	

Art. 10275 HSS-CO

Ø	/	L	d	pcs	cod.	
BSW 7/16 x 14	20	100	8	1	102757/16	
1/2 x 12	25	110	9	1	102751/2	
9/16 x 12	25	110	11	1	102759/16	
5/8 x 11	28	110	12	1	102755/8	
3/4 x 10	32	125	14	1	102753/4	
7/8 x 9	32	140	18	1	102757/8	
1" x 8	36	160	20	1	102751"	
1.1/4 x 7	40	180	22	1	102751.1/4	
1.1/2 x 6	50	200	32	1	102751.1/2	

Applicazioni
Applications

R ≤ 850 N/mm²

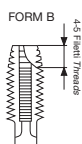


MASCHI A MACCHINA, FILETTATURA AMERICANA UNC A PASSO GROSSO

Machine taps, UNC american coarse thread / Tarauds machine, filetage americain UNC

Machos de maquina, rosca americana vasta UNC /Maschinengewindebohrer, amerikanisches großgewind

10269 10270



HSS-CO AISI M35
HV 820÷850

≈ DIN 371/B ≈ DIN 376/B



Art. 10269

HSS-CO ANSI B1.1

UNC

Ø	/	L	d	pcs	cod.		
UNC 6 x 32	12	56	4	1	10269NR06		
8 x 32	13	63	4,5	1	10269NR08		
10 x 24	15	70	6	1	10269NR10		
12 x 24	16	70	6	1	10269NR12		
1/4 x 20	17	80	7	1	102691/4		
5/16 x 18	20	90	8	1	102695/16		
3/8 x 16	22	100	9	1	102693/8		

Art. 10270

HSS-CO

Ø	/	L	d	pcs	cod.		
UNC 7/16 x 14	22	100	8	1	102707/16		
1/2 x 13	25	110	9	1	102701/2		
9/16 x 12	26	110	11	1	102709/16		
5/8 x 11	27	110	12	1	102705/8		
3/4 x 10	30	125	14	1	102703/4		
7/8 x 9	32	140	18	1	102707/8		
1" x 8	36	160	20	1	102701"		
1.1/4 x 7	40	180	22	1	102701.1/4		
1.1/2 x 6	50	200	32	1	102701.1/2		

Art. 10271

HSS-CO ANSI B1.1

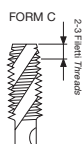
Ø	/	L	d	pcs	cod.		
UNC 6 x 32	7	56	4	1	10271NR06		
8 x 32	8	63	4,5	1	10271NR08		
10 x 24	10	70	6	1	10271NR10		
12 x 24	10	70	6	1	10271NR12		
1/4 x 20	13	80	7	1	102711/4		
5/16 x 18	14	90	8	1	102715/16		
3/8 x 16	16	100	9	1	102713/8		

Art. 10272

HSS-CO

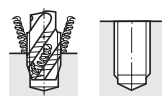
Ø	/	L	d	pcs	cod.		
UNC 7/16 x 14	17	100	8	1	102727/16		
1/2 x 13	20	110	9	1	102721/2		
9/16 x 12	20	110	11	1	102729/16		
5/8 x 11	22	110	12	1	102725/8		
3/4 x 10	25	125	14	1	102723/4		
7/8 x 9	27	140	18	1	102727/8		
1" x 8	30	160	20	1	102721"		
1.1/4 x 7	35	180	22	1	102721.1/4		
1.1/2 x 6	40	200	32	1	102721.1/2		

10271 10272



HSS-CO AISI M35
HV 820÷850

≈ DIN 371/C-35° ≈ DIN 376/C-35°



Applicazioni
Applications

R ≤ 850 N/mm²



MASCHI A MACCHINA, FILETTATURA AMERICANA UNF A PASSO FINE

Machine taps, american UNF thread / Tarauds machine, filetage americain UNF

Machos de maquina, rosca americana fina UNF / Maschinengewindebohrer, amerikanisches feingewinde UNF

10282 10283



≈ DIN 371/B ≈ DIN 376/B



Art. 10282

HSS-CO ANSI B1.1

UNF

Ø	/	L	d	pcs	cod.	
UNF 6 x 40	12	56	4	1	10282NR06	
8 x 36	13	63	4,5	1	10282NR08	
10 x 32	15	70	6	1	10282NR10	
12 x 28	16	70	6	1	10282NR12	
1/4 x 28	17	80	7	1	102821/4	
5/16 x 24	17	90	8	1	102825/16	
3/8 x 24	18	100	9	1	102823/8	

Art. 10283

HSS-CO

Ø	/	L	d	pcs	cod.	
UNF 7/16 x 20	22	100	8	1	102837/16	
1/2 x 20	22	100	9	1	102831/2	
9/16 x 18	22	100	11	1	102839/16	
5/8 x 18	22	100	12	1	102835/8	
3/4 x 16	25	110	14	1	102833/4	
7/8 x 14	26	140	18	1	102837/8	
1" x 14	28	150	20	1	102831"	
1.1/4 x 12	30	150	22	1	102831.1/4	
1.1/2 x 12	33	170	32	1	102831.1/2	

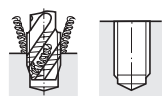
Art. 10284

HSS-CO ANSI B1.1

10284 10285



≈ DIN 371/C-35° ≈ DIN 376/C-35°



Ø	/	L	d	pcs	cod.	
UNF 6 x 40	7	56	4	1	10284NR06	
8 x 36	8	63	4,5	1	10284NR08	
10 x 32	10	70	6	1	10284NR10	
12 x 28	10	70	6	1	10284NR12	
1/4 x 28	10	80	7	1	102841/4	
5/16 x 24	10	90	8	1	102845/16	
3/8 x 24	10	100	9	1	102843/8	

Art. 10285

HSS-CO

Ø	/	L	d	pcs	cod.	
UNF 7/16 x 20	13	100	8	1	102857/16	
1/2 x 20	13	100	9	1	102851/2	
9/16 x 18	15	100	11	1	102859/16	
5/8 x 18	15	100	12	1	102855/8	
3/4 x 16	17	110	14	1	102853/4	
7/8 x 14	17	140	18	1	102857/8	
1" x 14	20	150	20	1	102851"	
1.1/4 x 12	22	150	22	1	102851.1/4	
1.1/2 x 12	25	170	32	1	102851.1/2	

Applicazioni
Applications

R ≤ 850 N/mm²



MASCHI A MACCHINA CORTI ISO 529 FILETTATURA AMERICANA UN

Short machine taps, American UN thread / Tarauds machine courte

Machos de maquina cortos / Kurzmaschinen-Gewindebohrer

ISO 529-2B HSS-CO

8-UN

10301



FORM B



	Ø	/	L	d	pcs 	cod.
UN	1.1/8 x 8	48	138	20,0	1	103011.1/8
	1.1/4 x 8	51	151	22,4	1	103011.1/4
	1.1/2 x 8	60	170	28,0	1	103011.1/2
	2" x 8	70	200	35,5	1	103012"
	2.1/4 x 8	76	221	40,0	1	103012.1/4
	2.1/2 x 8	79	224	40,0	1	103012.1/2

MASCHI A MACCHINA CORTI ISO 529 FILETTATURA AMERICANA UNEF

Short machine taps, American UNEF thread / Tarauds machine courte

Machos de maquina cortos / Kurzmaschinen-Gewindebohrer

ISO 529-2B HSS-CO

UNEF

10305



FORM B



	Ø	/	L	d	pcs 	cod.
UNEF	1/4 x 32	19	66	6,3	1	103051/4
	5/16 x 32	23	75	10,0	1	103055/16
	3/8 x 32	24	80	10,0	1	103053/8
	1/2 x 28	29	89	9,0	1	103051/2
	9/16 x 24	30	95	11,2	1	103059/16
	5/8 x 24	32	102	12,5	1	103055/8
	3/4 x 20	37	112	14,0	1	103053/4
	7/8 x 20	38	118	16,0	1	103057/8
	1" x 20	45	130	18,0	1	103051"
	1.1/16 x 18	48	138	20,0	1	103051.1/16
	1.1/8 x 18	48	138	20,0	1	103051.1/8
	1.1/4 x 18	51	151	22,4	1	103051.1/4
	1.1/2 x 18	60	170	28,0	1	103051.1/2
	1.3/4 x 18	67	187	31,5	1	103051.3/4
	2" x 18	70	200	35,5	1	103052"

Applicazioni
Applications

R ≤ 850 N/mm²



MASCHI A MACCHINA CORTI PER TUBI, FILETTATURA CONICA AMERICANA NPTF

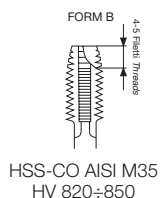
Short machine taps for pipes / Tarauds machine courte

Machos de maquina cortos para tubos / Kurzmaschinen-Gewindebohrer

HSS-CO

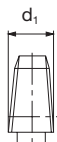
NPTF

10306



Ø	/	L	pcs	cod.	
NPTF 1/16 x 27	19	55	1	103061/16	
1/8 x 27	19	55	1	103061/8	
1/4 x 18	28	62	1	103061/4	
3/8 x 18	28	65	1	103063/8	
1/2 x 14	35	80	1	103061/2	
3/4 x 14	35	85	1	103063/4	
1" x 11,5	45	95	1	103061"	

FORM B

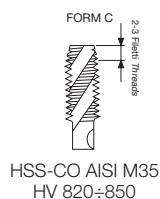


CONICITÀ 1:16
TAPER 1:16

HSS-CO

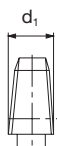
NPTF

10307



Ø	/	L	pcs	cod.	
NPTF 1/8 x 27	19	55	1	103071/8	
1/4 x 18	28	62	1	103071/4	
3/8 x 18	28	65	1	103073/8	
1/2 x 14	35	80	1	103071/2	
3/4 x 14	35	85	1	103073/4	
1" x 11,5	45	95	1	103071"	

FORM C 35°



CONICITÀ 1:16
TAPER 1:16

Applicazioni
Applications

R ≤ 850 N/mm²



MASCHI A MACCHINA CORTI PER TUBI, FILETTATURA CILINDRICA AMERICANA NPS

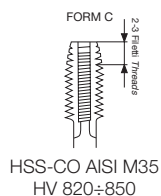
Short machine taps for pipes / Tarauds machine courte

Machos de maquina cortos para tubos / Kurzmaschinen-Gewindebohrer

HSS-CO

NPS

10308



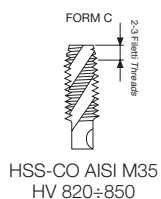
FORM C

	Ø	/	L	pcs	cod.		
NPS	1/16 x 27	17,5	54	1	103081/16		
	1/8 x 27	19	55	1	103081/8		
	1/4 x 18	28	62	1	103081/4		
	3/8 x 18	28	65	1	103083/8		
	1/2 x 14	35	80	1	103081/2		
	3/4 x 14	35	85	1	103083/4		
	1" x 11,5	45	95	1	103081"		

HSS-CO

NPS

10309



FORM C 35°

	Ø	/	L	pcs	cod.		
NPS	1/16 x 27	17,5	54	1	103091/16		
	1/8 x 27	19	55	1	103091/8		
	1/4 x 18	28	62	1	103091/4		
	3/8 x 18	28	65	1	103093/8		
	1/2 x 14	35	80	1	103091/2		
	3/4 x 14	35	85	1	103093/4		
	1" x 11,5	45	95	1	103091"		

Applicazioni
Applications

R ≤ 850 N/mm²



MASCHI A MACCHINA "SINISTRI", FILETTATURA METRICA ISO A PASSO GROSSO

Machine taps, "left hand", metric coarse thread / Tarauds machine, "gauche", filetage métrique

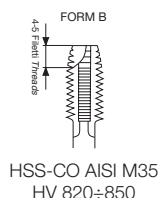
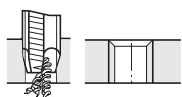
Machos de maquina, "izquierda", rosca metrica normal / Maschinengewindebohrer, "linksgewinde", für metrisches ISO Regelgewinde

Sinistri - Left hand - Gauche - Izquierda - Links

10277 10278



DIN 371/B DIN 376/B



HSS-CO AISI M35
HV 820÷850

Art. 10277

HSS-CO

DIN 371/B

M

Ø	/	L	d	pcs	cod.		
M 3 x 0,5	11	56	3,5	1	1027703X05		
4 x 0,7	13	63	4,5	1	1027704X07		
5 x 0,8	16	70	6,0	1	1027705X08		
6 x 1	19	80	6,0	1	1027706X1		
8 x 1,25	22	90	8,0	1	1027708X125		
10 x 1,5	24	100	10,0	1	1027710X15		

Art. 10278

HSS-CO

DIN 376/B

Ø	/	L	d	pcs	cod.		
M 12 x 1,75	29	110	9,0	1	1027812X175		
14 x 2	30	110	11,0	1	1027814X2		
16 x 2	32	110	12,0	1	1027816X2		
18 x 2,5	34	125	14,0	1	1027818X25		
20 x 2,5	34	140	16,0	1	1027820X25		
22 x 2,5	34	140	18,0	1	1027822X25		
24 x 3	38	160	18,0	1	1027824X3		
27 x 3	38	160	20,0	1	1027827X3		
30 x 3,5	45	180	22,0	1	1027830X35		

Art. 10263

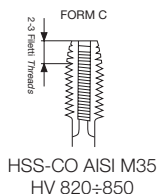
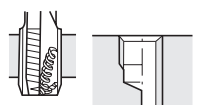
HSS-CO

DIN 371/C

10263 10264



DIN 371/C DIN 376/C



HSS-CO AISI M35
HV 820÷850

Art. 10263

HSS-CO

DIN 371/C

Ø	/	L	d	pcs	cod.		
M 3 x 0,5	11	56	3,5	1	1026303X05		
4 x 0,7	13	63	4,5	1	1026304X07		
5 x 0,8	16	70	6,0	1	1026305X08		
6 x 1	19	80	6,0	1	1026306X1		
8 x 1,25	22	90	8,0	1	1026308X125		
10 x 1,5	24	100	10,0	1	1026310X15		

Art. 10264

HSS-CO

DIN 376/C

Ø	/	L	d	pcs	cod.		
M 12 x 1,75	29	110	9,0	1	1026412X175		
14 x 2	30	110	11,0	1	1026414X2		
16 x 2	30	110	12,0	1	1026416X2		
18 x 2,5	34	125	14,0	1	1026418X25		
20 x 2,5	34	140	16,0	1	1026420X25		
22 x 2,5	34	140	18,0	1	1026422X25		
24 x 3	38	160	18,0	1	1026424X3		

Applicazioni
Applications

R ≤ 850 N/mm²



Inox



Acciaio
Steel



Metals



Industrial

MASCHI A MACCHINA "SINISTRI", SCAN. DESTRE 35°, IMB. "C", FIL. METRICA ISO

Machine taps "left hand", 35° spiral flute, metric coarse thread / Tarauds machine "gauche", goujures 35°, filetage métrique gros

Machos de maquina "izquierda", canal helicoidal 35°, rosca metrica vasta

Maschinen-Gewindebohrer "Linksgewinde", 35° rechtsspirale, für metrisches ISO-Regelgewinde

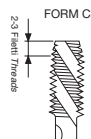
Sinistri - Left hand - Gauche - Izquierda - Links

DIN 371/C-35° - ISO 2/6H

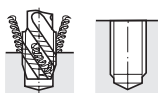
Art. 10279

HSS-CO

M



HSS-CO AISI M35
HV 820÷850



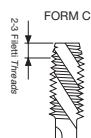
Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1027903X05
4 x 0,7	7	63	4,5	1	1027904X07
5 x 0,8	8	70	6,0	1	1027905X08
6 x 1	10	80	6,0	1	1027906X1
8 x 1,25	14	90	8,0	1	1027908X125
10 x 1,5	16	100	10,0	1	1027910X15

DIN 376/C-35° - ISO 2/6H

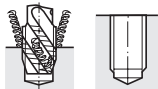
Art. 10288

HSS-CO

M



HSS-CO AISI M35
HV 820÷850



Ø	/	L	d	pcs	cod.
M 12 x 1,75	18	110	9,0	1	1028812X175
14 x 2	20	110	11,0	1	1028814X2
16 x 2	22	110	12,0	1	1028816X2
18 x 2,5	25	125	14,0	1	1028818X25
20 x 2,5	25	140	16,0	1	1028820X25
22 x 2,5	27	140	18,0	1	1028822X25
24 x 3	30	160	18,0	1	1028824X3
27 x 3	30	160	20,0	1	1028827X3
30 x 3,5	35	180	22,0	1	1028830X35

MASCHI A MACCHINA "SINISTRI", FILETTATURA GAS CILINDRICA BSP

Machine taps, "left hand", BSP pipe-thread / Tarauds machine, "gauche", filetage gas BSP

Machos de maquina, "izquierda", rosca gas BSP / Maschinengewindebohrer, "linksgewinde", für Rohrgewinde

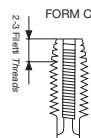
Sinistri - Left hand - Gauche - Izquierda - Links

DIN 5156/C

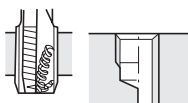
Art. 10289

HSS-CO

BSP



HSS-CO AISI M35
HV 820÷850



Ø	/	L	d	pcs	cod.
G 1/8 x 28	20	90	7,0	1	102891/8
1/4 x 19	22	100	11,0	1	102891/4
3/8 x 19	22	100	12,0	1	102893/8
1/2 x 14	25	125	16,0	1	102891/2
5/8 x 14	25	125	18,0	1	102895/8
3/4 x 14	28	140	20,0	1	102893/4
1" x 11	30	160	25,0	1	102891"

Applicazioni
Applications

R ≤ 850 N/mm²



- Per fori ciechi e passanti in acciai con R≤850 N/mm² ghisa malleabile, metalli non ferrosi a truciolo lungo, acciai resistenti al calore, acciai inox.
- For blind and through holes in steel with R≤850 N/mm² malleable cast iron, non ferrous metal with long chips, stainless steel, heat resistant steel.
- Pour trous débouchants et borgnes en acier avec R≤850 N/mm² fonte, alliages légers, acier inoxydable.
- Para orificios pasantes y ciegos en acero de hasta R≤850 N/mm² aleaciones ligeras, fundicion, acero aleado y acero inox.
- Für grund- und durchgangsloch in Stahl mit R≤850 N/mm², Stahlguss, alu langspanend, korrosions-beständige Stähle (V2A-V4A) etc.

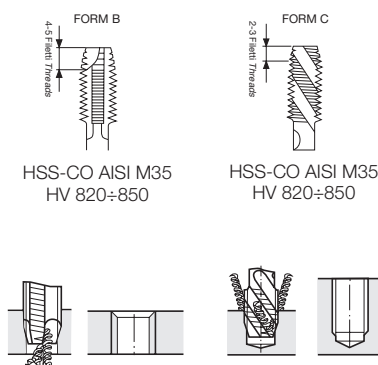
MASCHI A MACCHINA "SINISTRI", FILETTATURA METRICA ISO A PASSO FINE

Machine taps, "left hand", metric thread / Tarauds machine, "gauche", filetage métrique

Machos de maquina, "izquierda", rosca metrica / Maschinengewindebohrer, "linksgewinde", für metrisches ISO

Sinistri - Left hand - Gauche - Izquierda - Links

10286	10287	HSS-CO ISO 2/6H					Art. 10286 DIN 374/B		Art. 10287 DIN 374/C-35°	 MF
		Ø	/	L	d	pcs	cod.		cod.	
		M 4 x 0,35	10	63	2,8	1	1028604X035		1028704x035	 MF
		5 x 0,5	12	70	3,5	1	1028605X05		1028705x05	
		6 x 0,75	14	80	4,5	1	1028606X075		1028706x075	 MF
		8 x 0,75	19	80	6,0	1	1028608X075		1028708x075	
		8 x 1	22	90	6,0	1	1028608X1		1028708x1	 MF
		10 x 1	20	90	7,0	1	1028610X1		1028710x1	
		10 x 1,25	24	100	7,0	1	1028610X125		1028710x125	 MF
		12 x 1	22	100	9,0	1	1028612X1		1028712x1	
		12 x 1,25	22	100	9,0	1	1028612X125		1028712x125	 MF
		12 x 1,5	22	100	9,0	1	1028612X15		1028712x15	
		14 x 1	22	100	11,0	1	1028614X1		1028714x1	 MF
		14 x 1,25	22	100	11,0	1	1028614X125		1028714x125	
		14 x 1,5	22	100	11,0	1	1028614X15		1028714x15	 MF
		16 x 1	22	100	12,0	1	1028616X1		1028716x1	
		16 x 1,5	22	100	12,0	1	1028616X15		1028716x15	 MF
		18 x 1	25	110	14,0	1	1028618X1		1028718x1	
		18 x 1,5	25	110	14,0	1	1028618X15		1028718x15	 MF
		18 x 2	34	125	14,0	1	1028618X2		1028718x2	
		20 x 1	25	125	16,0	1	1028620X1		1028720x1	 MF
		20 x 1,25	25	125	16,0	1	1028620X125		1028720x125	
		20 x 1,5	25	125	16,0	1	1028620X15		1028720x15	 MF
		20 x 2	34	140	16,0	1	1028620X2		1028720x2	
		22 x 1	25	125	18,0	1	1028622X1		1028722x1	 MF
		22 x 1,5	25	125	18,0	1	1028622X15		1028722x15	
		22 x 2	34	140	18,0	1	1028622X2		1028722x2	 MF
		24 x 1	28	140	18,0	1	1028624X1		1028724x1	
		24 x 1,5	28	140	18,0	1	1028624X15		1028724x15	 MF
		24 x 2	28	140	18,0	1	1028624X2		1028724x2	
		25 x 1	28	140	18,0	1	1028625X1		1028725x1	 MF
		26 x 1,5	28	140	18,0	1	1028626X15		1028726x15	
		27 x 1,5	28	140	20,0	1	1028627X15		1028727x15	 MF
		27 x 2	28	140	20,0	1	1028627X2		1028727x2	
		28 x 1,5	28	140	20,0	1	1028628X15		1028728x15	 MF
		30 x 1,5	28	150	22,0	1	1028630X15		1028730x15	
		30 x 2	28	150	22,0	1	1028630X2		1028730x2	 MF
		32 x 1,5	28	150	22,0	1	1028632X15		1028732x15	
		32 x 2	28	150	22,0	1	1028632X2		1028732x2	 MF
		33 x 2	30	160	25,0	1	1028633X2		1028733x2	
		35 x 1,5	30	170	28,0	1	1028635X15		1028735x15	 MF
		36 x 1,5	30	170	28,0	1	1028636X15		1028736x15	
		36 x 2	30	170	28,0	1	1028636X2		1028736x2	 MF
		38 x 1,5	30	170	28,0	1	1028638X15		1028738x15	
		40 x 1,5	30	170	32,0	1	1028640X15		1028740x15	 MF
		42 x 1,5	30	170	32,0	1	1028642X15		1028742x15	
		45 x 1,5	32	180	36,0	1	1028645X15		1028745x15	 MF
		48 x 1,5	32	190	36,0	1	1028648X15		1028748x15	
		50 x 1,5	32	190	36,0	1	1028650X15		1028750x15	 MF
		52 x 1,5	32	190	40,0	1	1028652X15		1028752x15	



Applicazioni
Applications

R ≤ 850 N/mm²



- Per fori in acciai con R_s850 N/mm² ghisa malleabile, metalli non ferrosi a truciolo lungo, acciai resistenti al calore, acciai inox.
- For holes in steel with R_s850 N/mm² malleable cast iron, non ferrous metal with long chips, stainless steel, heat resistant steel.
- Pour trous en acier avec R_s850 N/mm² fonte, alliages légers, acier inoxydable.
- Para orificios in acero de hasta R_s850 N/mm² aleaciones ligeras, fundicion, acero aleado y acero inox.
- Für grundloch in Stahl mit R_s850 N/mm², Stahlguss, alu langspanend, korrosions-beständige Stähle (V2A-V4A) etc.

Industrial

MASCHI A MACCHINA CON ANELLO BIANCO PER UTILIZZI SPECIALI

White ring machine taps / Tarauds machine avec anneau blanc

Machos de maquina con anillo blanco / Weissring-Maschinengewindebohrer

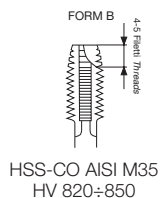
Speciale per acciaio INOX - Special for stainless steel - Pour acier inoxydable - Para acero inoxidable - Für rostfreien Stahl

Art. 10504 HSS-CO

M

10504

10505



Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1050403X05
4 x 0,7	13	63	4,5	1	1050404X07
5 x 0,8	16	70	6,0	1	1050405X08
6 x 1	19	80	6,0	1	1050406X1
8 x 1,25	22	90	8,0	1	1050408X125
10 x 1,5	24	100	10,0	1	1050410X15

Art. 10505 HSS-CO

Vaporizzati Steam treated

DIN 371/B

DIN 376/B



Ø	/	L	d	pcs	cod.
M 12 x 1,75	29	110	9,0	1	1050512X175
14 x 2	30	110	11,0	1	1050514X2
16 x 2	30	110	12,0	1	1050516X2
18 x 2,5	34	125	14,0	1	1050518X25
20 x 2,5	34	140	16,0	1	1050520X25



M 3÷12 7 pcs

10520300
HSS-CO

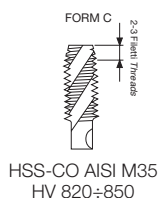
Finitura: Ossidazione in vapore di Fe_3O_4 che aumenta la durezza superficiale e la resistenza a usura riducendo la tendenza all'incollamento dei trucioli.
Finish: Steam Tempered of Fe_3O_4 , increasing surface hardness and wear resistance.

Art. 10506 HSS-CO 40°

M

10506

10507



Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1050603X05
4 x 0,7	7	63	4,5	1	1050604X07
5 x 0,8	8	70	6,0	1	1050605X08
6 x 1	10	80	6,0	1	1050606X1
8 x 1,25	14	90	8,0	1	1050608X125
10 x 1,5	16	100	10,0	1	1050610X15



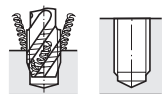
M 3÷12 7 pcs

10520301
HSS-CO

Art. 10507 HSS-CO 40°

DIN 371/C-40°

DIN 376/C-40°



Ø	/	L	d	pcs	cod.
M 12 x 1,75	18	110	9,0	1	1050712X175
14 x 2	20	110	11,0	1	1050714X2
16 x 2	22	110	12,0	1	1050716X2
18 x 2,5	25	125	14,0	1	1050718X25
20 x 2,5	25	140	16,0	1	1050720X25

Applicazioni
Applications

R ≤ 1000 N/mm²



- Per filettature in acciaio inox, acciai per utensili, acciai resistenti al calore, acciai legati in genere, bronzo a truciolo lungo, rame con $R \leq 1000 \text{ N/mm}^2$
- For making threads in stainless steel, heat resistant steel, structural steel, long chipping bronze, copper with $R \leq 1000 \text{ N/mm}^2$
- Pour taraudage en acier inoxydable, acier pour traitement thermique, acier allié avec $R \leq 1000 \text{ N/mm}^2$
- Para roscar acero inoxidable, acero aleado, bronce
- Für VA-Werkstoffe, hitzbeständige Stähle, Messing, Alu.

MASCHI A MACCHINA CON ANELLO **BLU**, FILETTATURA METRICA ISO

Blue ring machine taps / Tarauds machine avec anneau blue

Machos de maquina con anillo azul / Blauring-Maschinen-Gewindebohrer

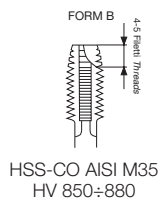
Speciali per acciai refrattari, acciai da tempra e cementazione - Special for wear and heat resistant steel

Art. 10500 HSS-CO

M

10500

10501



Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1050003X05
4 x 0,7	13	63	4,5	1	1050004X07
5 x 0,8	16	70	6,0	1	1050005X08
6 x 1	19	80	6,0	1	1050006X1
8 x 1,25	22	90	8,0	1	1050008X125
10 x 1,5	24	100	10,0	1	1050010X15



M 3÷12 7 pcs

**10520302
HSS-CO**

Art. 10501 HSS-CO

DIN 371/B

DIN 376/B



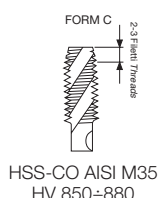
Ø	/	L	d	pcs	cod.
M 12 x 1,75	29	110	9	1	1050112X175
14 x 2	30	110	11	1	1050114X2
16 x 2	30	110	12	1	1050116X2
18 x 2,5	34	125	14	1	1050118X25
20 x 2,5	34	140	16	1	1050120X25

Art. 10502 HSS-CO 40°

M

10502

10503



Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1050203X05
4 x 0,7	7	63	4,5	1	1050204X07
5 x 0,8	8	70	6,0	1	1050205X08
6 x 1	10	80	6,0	1	1050206X1
8 x 1,25	14	90	8,0	1	1050208X125
10 x 1,5	16	100	10,0	1	1050210X15



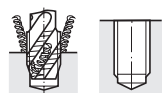
M 3÷12 7 pcs

**10520303
HSS-CO**

Art. 10503 HSS-CO 40°

DIN 371/C-40°

DIN 376/C-40°



Ø	/	L	d	pcs	cod.
M 12 x 1,75	18	110	9	1	1050312X175
14 x 2	20	110	11	1	1050314X2
16 x 2	22	110	12	1	1050316X2
18 x 2,5	25	125	14	1	1050318X25
20 x 2,5	25	140	16	1	1050320X25

Applicazioni
Applications

R ≤ 1200 N/mm²



- Per filettatura in acciai resistenti all'usura quali gli acciai refrattari, acciai legati da tempra e cementazione, acciai per utensili con R_s≤1200 N/mm².
- For use in wear resistant steel, heat resistant steel, tool steel with R_s≤1200 N/mm².
- Pour taraudage en aciers refractaires, acier de outil, acier pour traitement thermique avec R_s≤1200 N/mm².
- Para rosca en acero resistente al calor, acero para tratamiento termico, acero para utensilios hasta R_s≤1200 N/mm².
- Für Gewindebohrer in hochlegierte Stähle, zähe kurzspanende Werkstoffe, legierte Werkzeugstähle.

Industrial

MASCHI A MACCHINA CON ANELLO NERO, FILETTATURA METRICA ISO

Black ring machine taps / Tarauds machine avec anneau noir

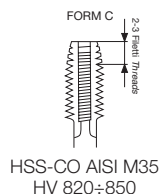
Machos de maquina con anillo negro / Schwarzring-Maschinengewindebohrer

10508

10509

Art. 10508
HSS-CO

M



Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1050803X05
4 x 0,7	13	63	4,5	1	1050804X07
5 x 0,8	16	70	6	1	1050805X08
6 x 1	19	80	6	1	1050806X1
8 x 1,25	22	90	8	1	1050808X125
10 x 1,5	24	100	10	1	1050810X15



M 3÷12 7 pcs

10520304
HSS-CO

Art. 10509
HSS-CO

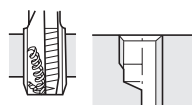
Ø	/	L	d	pcs	cod.
M 12 x 1,75	29	110	9	1	1050912X175
14 x 2	30	110	11	1	1050914X2
16 x 2	30	110	12	1	1050916X2
18 x 2,5	34	125	14	1	1050918X25
20 x 2,5	34	140	16	1	1050920X25

Nitrurato Nitrited

L'arricchimento della superficie con nitrato e carbonio diminuisce la tendenza all'incollamento dei trucioli e aumenta la durezza superficiale e la resistenza ad usura.

The surface enrichment with nitrate and carbon is aimed to avoiding chips sticking on the tool and to increasing surface hardness and wear resistance.

DIN 371/C DIN 376/C



Applicazioni
Applications



- Per filettatura in fori ciechi e passanti in ghisa grigia e sferoidale, leghe di magnesio, bronzo e alluminio a truciolo corto, plastica dura.
- For making threads into through and blind holes, cast iron, magnesium alloys, bronze and short chip aluminium, hard plastics.
- Pour taraudage en fontes à haute résistance, alliages de magnésium, bronze, plastique très dur.
- Para roscar fundiciones, aleaciones de magnesio, bronce, plástico duro.
- Für Grauguss und Sphäroguss, Magnesiumlegierungen, Bronze und Alu-Kurzspanend.

MASCHI A MACCHINA CON ANELLO ROSSO, FILETTATURA METRICA ISO

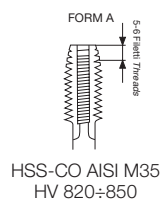
Red ring machine taps / Tarauds machine avec anneau rouge

Machos de maquina con anillo rojo / Rotring-Maschinengewindebohrer

10510

Art. 10510
HSS-CO

M



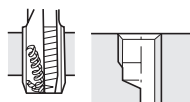
Ø	/	L	d	pcs	cod.
M 4 x 0,7	9	63	4,5	1	1051004X07
5 x 0,8	11	70	6	1	1051005X08
6 x 1	12	80	6	1	1051006X1
8 x 1,25	15	90	8	1	1051008X125
10 x 1,5	16	100	10	1	1051010X15



M 4÷10 5 pcs

10520310
HSS-CO

DIN 371/A



Applicazioni
Applications

R ≤ 1200 N/mm²



- Per filettatura in acciai resistenti all'usura quali gli acciai refrattari, acciai legati da tempra e cementazione, acciai per utensili con R_h≥1200 N/mm².
- For use in wear resistant steel, heat resistant steel, tool steel with R_h≥1200 N/mm².
- Pour taraudage en aciers réfractaires, acier de outil, acier pour traitement thermique avec R_h≥1200 N/mm².
- Para rosca en acero resistente al calor, acero para tratamiento termico, acero para utensilios hasta R_h≥1200 N/mm².
- Für Gewindebohrer in hochlegierte Stähle, zähe kurzspanende Werkstoffe, legierte Werkzeugstähle.

MASCHI A MACCHINA CON ANELLO GIALLO, FILETTATURA METRICA ISO

Yellow ring machine taps, ISO metric thread / Tarauds machine avec anneau jaune, filetage métrique ISO

Machos de máquina con anillo amarillo, rosca métrica ISO / Gelbring-Maschinengewindebohrer, metrisches ISO-Gewinde

Speciale per alluminio - Special for aluminium - Spécial pour aluminium - Especial para aluminio - Speziell für Aluminium

Art. 10511 HSS-CO 40°

M

10511

10512



2 SPIRALI
2 FLUTES

HSS-CO AISI M35
HV 820÷850

Ø	/	L	d	pcs	cod.
M 3 x 0,5	6	56	3,5	1	1051103x05
4 x 0,7	7	63	4,5	1	1051104x07
5 x 0,8	8	70	6	1	1051105x08
6 x 1	10	80	6	1	1051106x1
8 x 1,25	14	90	8	1	1051108x125
10 x 1,5	16	100	10	1	1051110x15



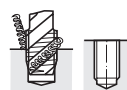
M 3÷12 7 pcs

10520305
HSS-CO

Art. 10512 HSS-CO

Ø	/	L	d	pcs	cod.
M 12 x 1,75	18	110	9	1	1051212X175
14 x 2	20	110	11	1	1051214X2
16 x 2	22	110	12	1	1051216X2

DIN 371/C-40° DIN 376/C-40°



Applicazioni
Applications

R ≤ 850 N/mm²



MASCHI A MACCHINA CON ANELLO ARANCIO, FILETTATURA METRICA ISO

Orange ring machine taps, ISO metric thread / Tarauds machine avec anneau orangé, filetage métrique ISO

Machos de máquina con anillo anaranjado, rosca métrica ISO / Orangering-Maschinengewindebohrer, metrisches ISO-Gewinde

Speciale per ottone - Special for brass - Spécial pour laiton - Especial para laton - Speziell für Messing

Art. 10513 HSS-CO

M

10513

10514



HSS-CO AISI M35
HV 820÷850

Ø	/	L	d	pcs	cod.
M 3 x 0,5	11	56	3,5	1	1051303x05
4 x 0,7	13	63	4,5	1	1051304x07
5 x 0,8	16	70	6	1	1051305x08
6 x 1	19	80	6	1	1051306x1
8 x 1,25	22	90	8	1	1051308x125
10 x 1,5	24	100	10	1	1051310x15



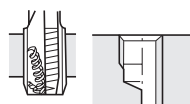
M 3÷12 7 pcs

10520306
HSS-CO

Art. 10514 HSS-CO

Ø	/	L	d	pcs	cod.
M 12 x 1,75	29	110	9	1	1051412X175
14 x 2	30	110	11	1	1051414X2
16 x 2	30	110	12	1	1051416X2

DIN 371/C DIN 376/C



Applicazioni
Applications

R ≤ 850 N/mm²



MASCHI A MANO SERIE DI 3 PEZZI, FILETTATURA METRICA ISO A PASSO GROSSO

Hand taps, 3 pcs set, metric coarse ISO thread / Jeux de 3 tarauds à main, filetage métrique ISO

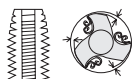
Juegos de machos a mano, rosca métrica ISO / Handgewindebohrer, dreiteiliger Satz für metrisches ISO-Gewinde DIN 13

HSS-G DIN 352 ISO 2/6H Rettificati

Ground from the solid / Rectifiés / Rectificado / Geschliffen

M

10100



HRC ≈ 63÷63,5
AISI M2

Art. 10101 Self
Disponibile su richiesta / On demand

Confezione / Packaging

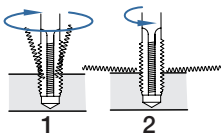


Applicazioni / Applications

R ≤ 800 N/mm²



- Per filettature in fori ciechi e passanti in acciaio da costruzione, acciai da bonifica, materiali metallici in genere sino a R_s800 N/mm²
- For making threads in blind and through holes in structural steel, malleable cast iron, heat-treatable steel R_s800 N/mm².
- Taraudage pour trous borgnes et débouchant des acier de construction et aciers traités R_s800 N/mm².
- Para orificios ciegos y pasantes en materiales de hasta 800 N/mm².
- Für allgemeinen Einsatz in Baustähle, Automatenstähle und Vergütungsstähle R_s 800 N/mm².



È buona norma, ad ogni rotazione del maschio ⁽¹⁾, effettuare mezzo giro indietro ⁽²⁾ per rompere il truciolo
Please rotate clockwise the tap ⁽¹⁾ then rotate anticlockwise ⁽²⁾ to break the chip.



Maschio a mano finitore
Bottoming hand tap
Taraud à main finisseur
Macho a mano acabado
Handgewindebohrer

HSS-G
DIN 352 III



Ø	/	L	pcs	cod.	
M 1 x 0,25	8	32	1	1010001X025	
1,1 x 0,25	8	32	1	10100011X025	
1,2 x 0,25	8	32	1	10100012X025	
1,4 x 0,3	10	32	1	10100014X03	
1,6 x 0,35	10	32	1	10100016X035	
1,7 x 0,35	10	32	1	10100017X035	
1,8 x 0,35	10	32	1	10100018X035	
2 x 0,4	10	36	1	1010002X04	
2,2 x 0,45	11	36	1	10100022X045	
2,3 x 0,4	11	36	1	10100023X04	
2,5 x 0,45	12	40	1	10100025X045	
2,6 x 0,45	12	40	1	10100026X045	
3 x 0,5	11	40	1	1010003X05	
3,5 x 0,6	14	45	1	10100035X06	
4 x 0,7	13	45	1	1010004X07	
4,5 x 0,75	16	50	1	10100045X075	
5 x 0,8	16	50	1	1010005X08	
5 x 1	16	56	1	1010005X1	
5,5 x 0,9	18	50	1	10100055X09	
6 x 1	19	56	1	1010006X1	
7 x 1	19	56	1	1010007X1	
8 x 1,25	22	63	1	1010008X125	
9 x 1,25	22	63	1	1010009X125	
10 x 1,5	24	70	1	1010010X15	
11 x 1,5	24	70	1	1010011X15	
12 x 1,75	28	75	1	1010012X175	
13 x 1,75	28	75	1	1010013X175	
14 x 2	30	80	1	1010014X2	
15 x 2	32	80	1	1010015x2	
16 x 2	32	80	1	1010016X2	
18 x 2,5	34	95	1	1010018X25	
20 x 2,5	34	95	1	1010020X25	
22 x 2,5	34	100	1	1010022X25	
24 x 3	38	110	1	1010024X3	
27 x 3	38	110	1	1010027X3	
28 x 3	38	110	1	1010028X3	
30 x 3,5	45	125	1	1010030X35	
33 x 3,5	50	132	1	1010033X35	
36 x 4	56	150	1	1010036X4	
39 x 4	56	150	1	1010039X4	
42 x 4,5	63	160	1	1010042X45	
45 x 4,5	63	160	1	1010045X45	
48 x 5	68	180	1	1010048X5	
52 x 5	68	180	1	1010052X5	
56 x 5,5	85	200	1	1010056X55	
60 x 5,5	85	200	1	1010060X55	
64 x 6	90	220	1	1010064X6	
68 x 6	90	220	1	1010068X6	
72 x 6	90	240	1	1010072X6	

* ≈ DIN 352

Ø	/	L	pcs	cod.	
M 3 x 0,5	12	40	1	1010003X053	
4 x 0,7	14	45	1	1010004X073	
5 x 0,8	14	50	1	1010005X083	
6 x 1	16	56	1	1010006X13	
8 x 1,25	18	63	1	1010008X1253	
10 x 1,5	25	70	1	1010010X153	
12 x 1,75	30	75	1	1010012X1753	
14 x 2	32	80	1	1010014X23	
16 x 2	32	80	1	1010016X23	
18 x 2,5	40	95	1	1010018X253	
20 x 2,5	40	95	1	1010020X253	

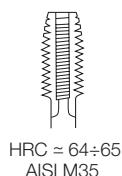
MASCHI A MANO SERIE DI 3 PEZZI, FILETTATURA METRICA ISO A PASSO GROSSO

Hand taps, 3 pcs set, metric coarse ISO thread / Jeux de 3 tarauds à main, filetage metrique ISO

Juegos de machos a mano, rosca metrica ISO / Handgewindebohrer, dreiteiliger Satz für metrisches ISO – Gewinde DIN 13

COBALT HSS-CO DIN 352 ISO 2/6H

M



HRC ≈ 64÷65
AISI M35

Ø	/	L	pcs	cod.
M 3 x 0,5	11	40	1	1014403X05
4 x 0,7	13	45	1	1014404X07
5 x 0,8	14	50	1	1014405X08
6 x 1	16	56	1	1014406X1
8 x 1,25	18	63	1	1014408X125
10 x 1,5	24	70	1	1014410X15
12 x 1,75	29	75	1	1014412X175
14 x 2	30	80	1	1014414X2
16 x 2	32	80	1	1014416X2
18 x 2,5	40	95	1	1014418X25
20 x 2,5	40	95	1	1014420X25
22 x 2,5	40	100	1	1014422X25
24 x 3	50	110	1	1014424X3
27 x 3	50	110	1	1014427X3
30 x 3,5	56	125	1	1014430X35

10144

Applicazioni / Applications

R ≤ 1200 N/mm²



Inox



Acciaio
Steel



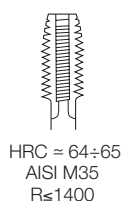
Metals



- Per filettature in acciai molto duri ed abrasivi, acciai inox, acciai resistenti al calore con R_s1200 N/mm².
- For thread in stainless steel, heat-resistant steel, high alloy steel R_s1200 N/mm².
- Taraudage en acier inox et acier allié avec R_s1200 N/mm².
- Para acero inox y acero aleado R_s1200 N/mm².
- Einsatz in legierte Stähle, korrosionsbeständige Stähle, Grauguss und Stahlguss bis R_s1200 N/mm².

COBALT HSS-CO DIN 352 ISO 2/6H

M



HRC ≈ 64÷65
AISI M35
R_s1400

Ø	/	L	pcs	cod.
M 3 x 0,5	11	40	1	1014703X05
4 x 0,7	13	45	1	1014704X07
5 x 0,8	16	50	1	1014705X08
6 x 1	19	56	1	1014706X1
8 x 1,25	22	63	1	1014708X125
10 x 1,5	24	70	1	1014710X15
12 x 1,75	29	75	1	1014712X175

10147

Applicazioni / Applications

R ≤ 1400 N/mm²



Inox



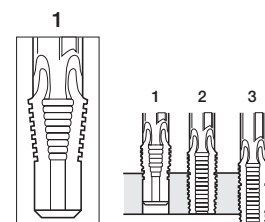
Acciaio
Steel



Metals



Finitura: Ossidazione in vapore di Fe₃O₄ che aumenta la durezza superficiale e la resistenza a usura riducendo la tendenza all'incollamento dei trucioli.
Finish: Steam Tempered of Fe₃O₄, increasing surface hardness and wear resistance.



Sbozzatore con guida
Taper with guide

MASCHI A MANO AL TITANIO SERIE DI 3 PEZZI, FILETTATURA METRICA ISO A PASSO GROSSO

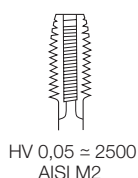
Titan coated hand taps, metric coarse ISO thread / Tarauds Titan à main, filetage metrique ISO

Juegos de machos a mano de Titanio, rosca metrica ISO / Handgewindebohrer mit TiN beschichtung für metrisches ISO Regelgewinde

HSS-TiN DIN 352 ISO 2/6H

M

10155



HV 0,05 ≈ 2500
AISI M2

Ø	/	L	pcs	cod.
M 3 x 0,5	12	40	1	1015503X05
4 x 0,7	14	45	1	1015504X07
4,5 x 0,75	16	50	1	10155045X075
5 x 0,8	16	50	1	1015505X08
6 x 1	18	56	1	1015506X1
8 x 1,25	22	63	1	1015508X125
10 x 1,5	25	70	1	1015510X15
12 x 1,75	30	75	1	1015512X175
14 x 2	32	80	1	1015514X2
16 x 2	32	80	1	1015516X2
18 x 2,5	40	95	1	1015518X25
20 x 2,5	40	95	1	1015520X25

Applicazioni / Applications



MASCHI A MANO SERIE DI 3 PEZZI, FILETTATURA METRICA ISO SINISTRA A PASSO GROSSO

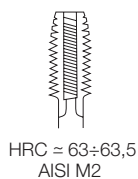
Hand taps, 3 pcs set left hand / Jeux de 3 tarauds à main gauche

Juegos de machos a mano izquierda / Handgewindebohrer, linksgewinde dreitelliger Satz

HSS-G DIN 352 ISO 2/6H Sinistra - Left hand - Gauche - Izquierda - Links

M

10102



HRC ≈ 63÷63,5
AISI M2



Ø	/	L	pcs	cod.
M 3 x 0,5	11	40	1	1010203x05
4 x 0,7	13	45	1	1010204x07
5 x 0,8	14	50	1	1010205x08
6 x 1	19	56	1	1010206x1
7 x 1	19	56	1	1010207x1
8 x 1,25	22	63	1	1010208x125
10 x 1,5	24	70	1	1010210x15
12 x 1,75	28	75	1	1010212x175
14 x 2	30	80	1	1010214x2
16 x 2	32	80	1	1010216x2
18 x 2,5	34	95	1	1010218x25
20 x 2,5	34	95	1	1010220x25
22 x 2,5	34	100	1	1010222x25
24 x 3	38	110	1	1010224x3
27 x 3	38	110	1	1010227x3
30 x 3,5	45	125	1	1010230x35
33 x 3,5	56	125	1	1010233x35
36 x 4	63	150	1	1010236x4
39 x 4	63	150	1	1010239x4
42 x 4,5	63	150	1	1010242x45
45 x 4,5	70	160	1	1010245x45
48 x 5	75	180	1	1010248x5
52 x 5	75	180	1	1010252x5

Applicazioni / Applications



MASCHI A MANO SERIE DI 2 PEZZI PER TUBI DI CONDUZIONE ELETTRICA

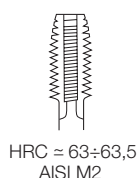
2 pcs hand taps for cable connection / Tarauds à main pour tubes avec armature en acier

Juegos de machos a mano para tubos de conducción eléctrica / Handgewindebohrer, zweiteiliger Satz Stahlpanzer für Kabelverschraubungen

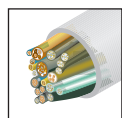
HSS-G DIN 2181 ISO 2/6H

MF

10105

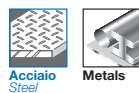


HRC ≈ 63±63,5
AISI M2



Ø	/	L	pcs	cod.	
M 12 x 1,5	22	70	1	1010512x15	
16 x 1,5	22	70	1	1010516x15	
20 x 1,5	22	80	1	1010520x15	
25 x 1,5	22	90	1	1010525x15	
32 x 1,5	32	90	1	1010532x15	
40 x 1,5	25	110	1	1010540x15	
50 x 1,5	40	140	1	1010550x15	
63 x 1,5	32	160	1	1010563x15	

Applicazioni / Applications



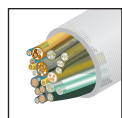
HSS-G DIN 40432

Pg

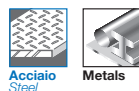
10136



Ø	/	L	pcs	cod.	
Pg 7 x 20	22	70	1	1013607	
9 x 18	22	70	1	1013609	
11 x 18	22	80	1	1013611	
13,5 x 18	22	80	1	10136135	
16 x 18	22	80	1	1013616	
21 x 16	22	90	1	1013621	
29 x 16	25	100	1	1013629	
36 x 16	40	140	1	1013636	
42 x 16	40	140	1	1013642	
48 x 16	40	160	1	1013648	



Applicazioni / Applications



MASCHI A MANO SERIE DI 2 PEZZI, FILETTATURA METRICA ISO A PASSO FINE

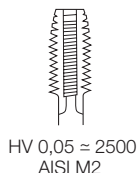
Hand taps, 2 pcs set, metric fine ISO thread / Jeux de 2 tarauds à main, filetage metrique ISO à pas fin

Juegos de machos a mano, rosca metrica fina ISO / Handgewindebohrer, zweiteiliger Satz für metrisches ISO-Feingewinde

HSS-G DIN 2181 ISO 2/6H

MF

10105



Confezione / Packaging



Applicazioni / Applications

R ≤ 800 N/mm²



- Per filettature in fori ciechi e passanti in acciaio da costruzione, acciai da bonifica, materiali metallici in genere sino a R_s800 N/mm².
- For making threads in blind and through holes in structural steel, malleable cast iron, heat-treatable steel R_s800 N/mm².
- Taraudage pour trous borgnes et débouchant des acier de construction et aciers traités R_s800 N/mm².
- Para orificios ciegos y pasantes en materiales de hasta R_s800 N/mm².
- Für allgemeinen Einsatz in Baustähle, Automatenstähle und Vergütungsstähle R_s800 N/mm².

Ø		/	L	pcs 	cod.
M 2	x 0,25	8	36	1	1010502x025
2,2	x 0,25	9	36	1	10105022x025
2,5	x 0,35	9	40	1	10105025x035
2,6	x 0,35	9	40	1	10105026x035
3	x 0,35	9	40	1	1010503X035
3,5	x 0,35	10	45	1	10105035X035
4	x 0,35	10	45	1	1010504X035
4	x 0,5	10	45	1	1010504X05
4,5	x 0,5	12	50	1	10105045x05
5	x 0,5	12	50	1	1010505X05
5	x 0,75	12	50	1	1010505X075
5,5	x 0,5	12	50	1	10105055x05
6	x 0,5	14	50	1	1010506X05
6	x 0,75	14	50	1	1010506X075
7	x 0,5	14	50	1	1010507x05
7	x 0,75	14	50	1	1010507X075
8	x 0,5	19	50	1	1010508X05
8	x 0,75	19	50	1	1010508X075
8	x 1	22	56	1	1010508X1
9	x 0,5	19	56	1	1010509x05
9	x 0,75	19	56	1	1010509X075
9	x 1	20	63	1	1010509X1
10	x 0,5	20	63	1	1010510x05
10	x 0,75	20	63	1	1010510X075
10	x 1	20	63	1	1010510X1
10	x 1,25	24	70	1	1010510X125
11	x 0,75	20	63	1	1010511x075
11	x 1	20	63	1	1010511X1
11	x 1,25	22	63	1	1010511X125
12	x 0,5	22	70	1	1010512x05
12	x 0,75	22	70	1	1010512X075
12	x 1	22	70	1	1010512X1
12	x 1,25	22	70	1	1010512X125
12	x 1,5	22	70	1	1010512X15
13	x 0,5	22	70	1	1010513x05
13	x 0,75	22	70	1	1010513x075
13	x 1	22	70	1	1010513X1
13	x 1,5	22	70	1	1010513X15
14	x 0,5	22	70	1	1010514x05
14	x 0,75	22	70	1	1010514X075
14	x 1	22	70	1	1010514X1
14	x 1,25	22	70	1	1010514X125
14	x 1,5	22	70	1	1010514X15
15	x 0,75	22	70	1	1010515x075
15	x 1	22	70	1	1010515X1
15	x 1,5	22	70	1	1010515X15
16	x 0,5	22	70	1	1010516X05
16	x 0,75	22	70	1	1010516X075
16	x 1	22	70	1	1010516X1
16	x 1,25	22	70	1	1010516X125
16	x 1,5	22	70	1	1010516X15
17	x 1	22	70	1	1010517x1
17	x 1,5	22	70	1	1010517x15
18	x 0,5	22	80	1	1010518x05
18	x 0,75	22	80	1	1010518x075
18	x 1	22	80	1	1010518X1
18	x 1,25	22	80	1	1010518X125
18	x 1,5	22	80	1	1010518X15
18	x 2	22	80	1	1010518X2
19	x 1	22	80	1	1010519x1
19	x 1,5	22	80	1	1010519x15
20	x 0,5	22	80	1	1010520x05
20	x 0,75	22	80	1	1010520x075
20	x 1	22	80	1	1010520X1
20	x 1,25	22	80	1	1010520X125
20	x 1,5	22	80	1	1010520X15
20	x 2	22	80	1	1010520X2
21	x 1	22	80	1	1010521X1
21	x 1,5	22	80	1	1010521X15
22	x 0,5	22	80	1	1010522x05
22	x 0,75	22	80	1	1010522x075

MF

Ø	/	L	pcs 	cod.	
M 22	x 1	22	80	1	1010522x1
22	x 1,25	22	80	1	1010522x125
22	x 1,5	22	80	1	1010522X15
22	x 2	22	80	1	1010522X2
23	x 1	22	80	1	1010523x1
23	x 1,5	22	80	1	1010523X15
24	x 0,5	22	90	1	1010524x05
24	x 0,75	22	90	1	1010524x075
24	x 1	22	90	1	1010524X1
24	x 1,25	22	90	1	1010524X125
24	x 1,5	22	90	1	1010524X15
24	x 2	22	90	1	1010524X2
25	x 1	22	90	1	1010525X1
25	x 1,5	22	90	1	1010525X15
26	x 1	22	90	1	1010526X1
26	x 1,5	22	90	1	1010526X15
26	x 2	22	90	1	1010526X2
27	x 1	22	90	1	1010527X1
27	x 1,5	22	90	1	1010527X15
27	x 2	22	90	1	1010527X2
28	x 1	22	90	1	1010528X1
28	x 1,5	22	90	1	1010528X15
28	x 2	22	90	1	1010528X2
29	x 1,5	22	90	1	1010529X15
30	x 1	22	90	1	1010530X1
30	x 1,5	22	90	1	1010530X15
30	x 2	22	90	1	1010530X2
30	x 2,5	56	125	1	1010530X25
30	x 3	56	125	1	1010530X3
32	x 1	22	90	1	1010532x1
32	x 1,5	22	90	1	1010532X15
32	x 2	22	90	1	1010532X2
32	x 3	56	125	1	1010532X3
33	x 1,5	25	100	1	1010533X15
33	x 2	25	100	1	1010533X2
33	x 3	56	125	1	1010533X3
34	x 1	25	100	1	1010534x1
34	x 1,5	25	100	1	1010534X15
34	x 2	40	125	1	1010534X2
35	x 1	25	100	1	1010535x1
35	x 1,5	25	100	1	1010535X15
35	x 2	40	125	1	1010535X2
36	x 1	25	100	1	1010536x1
36	x 1,5	25	100	1	1010536X15
36	x 2	40	125	1	1010536X2
36	x 3	40	125	1	1010536X3
37	x 1,5	25	100	1	1010537x15
38	x 1	25	100	1	1010538x1
38	x 1,5	25	100	1	1010538X15
38	x 2	40	125	1	1010538X2
38	x 3	40	125	1	1010538X3
39	x 1,5	25	110	1	1010539X15
39	x 2	40	125	1	1010539X2
39	x 3	40	125	1	1010539X3
40	x 1	25	110	1	1010540x1
40	x 1,5	25	110	1	1010540X15
40	x 2	40	125	1	1010540X2
40	x 3	40	125	1	1010540X3
42	x 1	25	110	1	1010542x1
42	x 1,5	25	110	1	1010542X15
42	x 2	40	125	1	1010542X2
42	x 3	40	125	1	1010542X3
44	x 1,5	25	110	1	1010544x15
44	x 2	40	125	1	1010544X2
45	x 1	25	110	1	1010545x1
45	x 1,5	25	110	1	1010545X15
45	x 2	40	125	1	1010545X2
45	x 3	40	125	1	1010545X3
46	x 1,5	40	140	1	1010546x15
48	x 1	40	140	1	1010548x1
48	x 1,5	25	140	1	1010548X15
48	x 2	40	140	1	1010548X2
48	x 3	40	140	1	1010548X3
50	x 1,5	40	140	1	1010550X15
50	x 2	40	140	1	1010550X2
50	x 3	40	140	1	1010550X3

MF

Ø	/	L	pcs 	cod.	
52	x 1,5	40	140	1	1010552X15
52	x 2	40	140	1	1010552X2
52	x 3	40	140	1	1010552X3
54	x 1,5	32	140	1	1010554X15
54	x 2	36	140	1	1010554X2
54	x 3	40	140	1	1010554X3
54	x 4	50	180	1	1010554X4
55	x 1,5	32	140	1	1010555X15
55	x 2	36	140	1	1010555X2
55	x 3	40	140	1	1010555X3
55	x 4	50	180	1	1010555X4
56	x 1,5	32	140	1	1010556X15
56	x 2	36	140	1	1010556X2
56	x 3	40	140	1	1010556X3
56	x 4	50	180	1	1010556X4
58	x 1,5	32	160	1	1010558X15
58	x 2	36	160	1	1010558X2
58	x 3	40	160	1	1010558X3
58	x 4	55	200	1	1010558X4
60	x 1,5	34	160	1	1010560X15
60	x 2	36	160	1	1010560X2
60	x 3	40	160	1	1010560X3
60	x 4	55	200	1	1010560X4
62	x 1,5	34	160	1	1010562X15
62	x 2	36	160	1	1010562X2
62	x 3	45	180	1	1010562X3
62	x 4	55	220	1	1010562X4
63	x 1,5	32	160	1	1010563X15
64	x 1,5	34	160	1	1010564X15
64	x 2	36	160	1	1010564X2
64	x 3	45	180	1	1010564X3
64	x 4	60	220	1	1010564X4
65	x 1,5	34	160	1	1010565X15
65	x 2	36	160	1	1010565X2
65	x 3	45	180	1	1010565X3
65	x 4	60	220	1	1010565X4
68	x 1,5	36	160	1	1010568X15
68	x 2	40	160	1	1010568X2
68	x 3	50	180	1	1010568X3
68	x 4	60	220	1	1010568X4
70	x 1,5	36	160	1	1010570X15
70	x 2	40	160	1	1010570X2
70	x 3	50	200	1	1010570X3
70	x 4	60	240	1	1010570X4
72	x 1,5	36	160	1	1010572X15
72	x 2	40	160	1	1010572X2
72	x 3	50	200	1	1010572X3
72	x 4	60	240	1	1010572X4
74	x 1,5	36	160	1	1010574X15
74	x 2	40	160	1	1010574X2
74	x 3	50	200	1	1010574X3
74	x 4	60	240	1	1010574X4
75	x 1,5	36	160	1	1010575X15
75	x 2	40	160	1	1010575X2
75	x 3	50	200	1	1010575X3
75	x 4	60	240	1	1010575X4
76	x 1,5	36	160	1	1010576X15
76	x 2	40	160	1	1010576X2
76	x 3	50	220	1	1010576X3
76	x 4	60	260	1	1010576X4
78	x 1,5	36	160	1	1010578X15
78	x 2	40	160	1	1010578X2
78	x 3	55	220	1	1010578X3
78	x 4	65	260	1	1010578X4
80	x 1,5	36	160	1	1010580X15
80	x 2	40	160	1	1010580X2
80	x 3	55	220	1	1010580X3
80	x 4	65	260	1	1010580X4
82	x 1,5	36	160	1	1010582X15
82	x 2	40	160	1	1010582X2
82	x 3	55	220	1	1010582X3
82	x 4	65	260	1	1010582X4

Ø M84x1,5÷110x4: a richiesta
on demand

MASCHI A MANO SERIE DI 2 PEZZI, FILETTATURA METRICA ISO A PASSO FINE

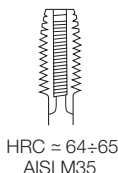
Hand taps, 2 pcs set, metric fine ISO thread / Jeux de 2 tarauds à main, filetage metrique ISO à pas fin

Juego de machos a mano, rosca metrica fina ISO / Handgewindebohrer, zweiteiliger Satz für metrisches ISO-Feingewinde

HSS-CO DIN 2181 ISO 2/6H COBALT

MF

10146



HRC ≈ 64÷65
AISI M35

Applicazioni / Applications

R ≤ 1200 N/mm²



Inox



Acciaio



Metals



- Per filettature in acciai molto duri ed abrasivi, acciai inox, acciai resistenti al calore con R≤1200 N/mm².
- For thread in stainless steel, heat-resistant steel, high alloy steel R≤1200 N/mm².
- Taraudage en acier inox et acier allié avec R≤1200 N/mm².
- Para acero inox y acero aleado R≤1200 N/mm².
- Einsatz in legierte Stähle, korrosionsbeständige Stähle, Grauguss und Stahlguss bis R≤1200 N/mm².

Ø	/	L	pcs	cod.
M 6 x 0,75	14	50	1	1014606x075
8 x 0,75	19	50	1	1014608x075
8 x 1	22	56	1	1014608x1
10 x 1	20	63	1	1014610x1
10 x 1,25	24	70	1	1014610x125
12 x 1	22	70	1	1014612x1
12 x 1,25	22	70	1	1014612x125
12 x 1,5	22	70	1	1014612x15
14 x 1,25	22	70	1	1014614x125
14 x 1,5	22	70	1	1014614x15
16 x 1,5	22	70	1	1014616x15
18 x 1,5	22	80	1	1014618x15
18 x 2	22	80	1	1014618x2
20 x 1,5	22	80	1	1014620x15
20 x 2	22	80	1	1014620x2
22 x 1,5	22	80	1	1014622x15
22 x 2	22	80	1	1014622x2
24 x 1,5	22	90	1	1014624x15

MASCHI A MANO SERIE DI 2 PEZZI, FILETTATURA METRICA SINISTRA A PASSO FINE

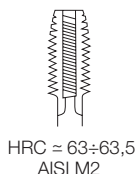
Hand taps, metric fine ISO thread, left hand / Tarauds à main, filetage metrique ISO, gauche

Juego de machos a mano, rosca fina izquierda / Handgewindebohrer, linksgewinde, metrisches ISO-Feingewinde

HSS-G DIN 2181 ISO 2/6H Sinistra - Left hand - Gauche - Izquierda - Links

MF

10107



HRC ≈ 63÷63,5
AISI M2



LH

Applicazioni / Applications

R ≤ 900 N/mm²



Acciaio



Alu



Metals



- Per filettature in fori ciechi e passanti in acciaio da costruzione, acciai da bonifica, materiali metallici in genere sino a R≤800 N/mm².
- For making threads in blind and through holes in structural steel, malleable cast iron, heat-treatable steel R≤800 N/mm².

Ø	/	L	pcs	cod.
M 6 x 0,75	14	50	1	1010706x075
8 x 0,75	19	50	1	1010708x075
8 x 1	22	56	1	1010708x1
10 x 1	20	63	1	1010710x1
10 x 1,25	24	70	1	1010710x125
12 x 1	22	70	1	1010712x1
12 x 1,25	22	70	1	1010712x125
12 x 1,5	22	70	1	1010712x15
14 x 1,25	22	70	1	1010714x125
14 x 1,5	22	70	1	1010714x15
16 x 1	22	70	1	1010716x1
16 x 1,5	22	70	1	1010716x15
18 x 1,5	22	80	1	1010718x15
20 x 1,5	22	80	1	1010720x15
22 x 1,5	22	80	1	1010722x15
24 x 1,5	22	90	1	1010724x15
24 x 2	22	90	1	1010724x2
30 x 1,5	22	90	1	1010730x15
30 x 2	22	90	1	1010730x2
38 x 1,5	25	100	1	1010738x15

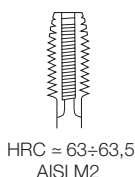
MASCHI A MANO SERIE DI 2 PEZZI, FIL. GAS CILINDRICA ISO 228 **PER TUBI**

Hand taps, 2 pcs set, Wh pipe thread ISO 228 / Jeux de 2 tarauds à main, filetages gaz de tuyauterie ISO 228

Juegos de utensilios a roscar, rosca gas cilíndrica ISO 228 / Handgewindebohrer, zweiteiliger Satz für Rohrgewinde DIN ISO 228

HSS-G DIN 5157

BSP (GAS)



Applicazioni
Applications

R ≤ 800 N/mm²

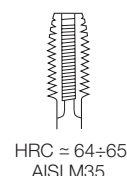


Ø	/	L	pcs	cod.	
G 1/8 x 28	20	63	1	101151/8	
1/4 x 19	22	70	1	101151/4	
3/8 x 19	22	70	1	101153/8	
1/2 x 14	22	80	1	101151/2	
5/8 x 14	22	80	1	101155/8	
3/4 x 14	22	90	1	101153/4	
7/8 x 14	22	90	1	101157/8	
1" x 11	25	100	1	101151"	
1.1/8 x 11	40	125	1	101151.1/8	
1.1/4 x 11	40	125	1	101151.1/4	
1.3/8 x 11	40	140	1	101151.3/8	
1.1/2 x 11	40	140	1	101151.1/2	
1.5/8 x 11	40	140	1	101151.5/8	
1.3/4 x 11	40	140	1	101151.3/4	
2" x 11	40	160	1	101152"	
2.1/4 x 11	40	160	1	101152.1/4	
2.1/2 x 11	40	160	1	101152.1/2	
2.3/4 x 11	40	160	1	101152.3/4	
3" x 11	40	160	1	101153"	
3.1/2 x 11	45	180	1	101153.1/2	
4" x 11	45	180	1	101154"	

10115

HSS-CO DIN 5157 **COBALT**

BSP (GAS)



Applicazioni
Applications

R ≤ 1200 N/mm²

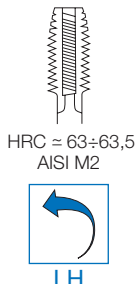


Ø	/	L	pcs	cod.	
G 1/8 x 28	20	63	1	101481/8	
1/4 x 19	22	70	1	101481/4	
3/8 x 19	22	70	1	101483/8	
1/2 x 14	22	80	1	101481/2	
3/4 x 14	22	90	1	101483/4	
1" x 11	25	100	1	101481"	

10148

HSS-G DIN 5157 **Sinistra - Left hand - Gauche - Izquierda - Links**

BSP (GAS)



Applicazioni
Applications

R ≤ 800 N/mm²



Ø	/	L	pcs	cod.	
G 1/8 x 28	20	63	1	101171/8	
1/4 x 19	22	70	1	101171/4	
3/8 x 19	22	70	1	101173/8	
1/2 x 14	22	80	1	101171/2	
5/8 x 14	22	80	1	101175/8	
3/4 x 14	22	90	1	101173/4	
1" x 11	25	100	1	101171"	
1.1/8 x 11	40	125	1	101171.1/8	
1.1/4 x 11	40	125	1	101171.1/4	
1.3/8 x 11	40	140	1	101171.3/8	
1.1/2 x 11	40	140	1	101171.1/2	
1.3/4 x 11	40	140	1	101171.3/4	
2" x 11	40	160	1	101172"	

10117

Industrial

MASCHI A MANO SERIE DI 3 PEZZI, FILETTATURA WHITWORTH A PASSO GROSSO BS 84

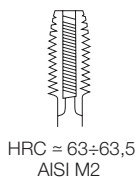
Hand taps, 3 pcs sets, Whitworth BSW thread / Jeux de tarauds à main, filetage Whitworth

Juegos de machos a mano, rosca Whitworth / Handgewindebohrer, dreiteiliger Satz, Whitworth-Gewinde

HSS-G ≈ DIN 352

BSW

10110



Applicazioni
Applications

R ≤ 800 N/mm²

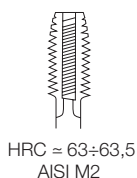


Ø	/	L	pcs 	cod.
BSW 1/16 x 60	10	36	1	101101/16
3/32 x 48	10	36	1	101103/32
1/8 x 40	12	40	1	101101/8
5/32 x 32	14	45	1	101105/32
3/16 x 24	18	50	1	101103/16
7/32 x 24	18	50	1	101107/32
1/4 x 20	19	50	1	101101/4
5/16 x 18	22	63	1	101105/16
3/8 x 16	24	70	1	101103/8
7/16 x 14	24	70	1	101107/16
1/2 x 12	29	75	1	101101/2
9/16 x 12	30	80	1	101109/16
5/8 x 11	32	80	1	101105/8
11/16 x 11	32	80	1	1011011/16
3/4 x 10	40	95	1	101103/4
7/8 x 9	40	100	1	101107/8
1" x 8	50	110	1	101101"
1.1/8 x 7	56	132	1	101101.1/8
1.1/4 x 7	56	132	1	101101.1/4
1.3/8 x 6	63	150	1	101101.3/8
1.1/2 x 6	63	150	1	101101.1/2
1.5/8 x 5	70	160	1	101101.5/8
1.3/4 x 5	70	160	1	101101.3/4
1.7/8 x 4.1/2	80	190	1	101101.7/8
2" x 4.1/2	80	190	1	101102"

HSS-G ≈ DIN 352 Sinistra - Left hand - Gauche - Izquierda - Links

BSW

10111



Ø	/	L	pcs 	cod.
BSW 1/8 x 40	12	40	1	101111/8
5/32 x 32	14	45	1	101115/32
3/16 x 24	18	50	1	101113/16
1/4 x 20	22	56	1	101111/4
5/16 x 18	25	63	1	101115/16
3/8 x 16	28	70	1	101113/8
7/16 x 14	30	75	1	101117/16
1/2 x 12	32	80	1	101111/2
9/16 x 12	32	80	1	101119/16
5/8 x 11	36	90	1	101115/8
3/4 x 10	40	105	1	101113/4
7/8 x 9	45	110	1	101117/8
1" x 8	50	110	1	101111"

MASCHI A MANO SERIE DI 2 PEZZI, FILETTATURA WHITWORTH A PASSO FINE BS 84

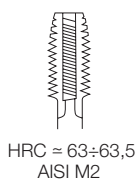
Hand taps, 2 pcs set, british standard fine thread - Jeux de 2 tarauds à main, filetage Whitworth pas fin

Juegos de machos a mano, rosca fina Whitworth - Handgewindebohrer, zweiteiliger Satz, britisch-standard Feingewinde

HSS-G ≈ DIN 2181

BSF

10112



Ø	/	L	pcs 	cod.
BSF 3/16 x 32	14	50	1	101123/16
1/4 x 26	18	50	1	101121/4
5/16 x 22	22	56	1	101125/16
3/8 x 20	22	63	1	101123/8
7/16 x 18	22	63	1	101127/16
1/2 x 16	24	75	1	101121/2
9/16 x 16	28	80	1	101129/16
5/8 x 14	28	80	1	101125/8
3/4 x 12	32	95	1	101123/4
7/8 x 11	36	100	1	101127/8
1" x 10	40	110	1	101121"

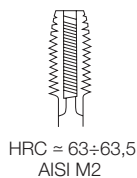
MASCHI A MANO SERIE DI 3 PEZZI, FIL. AMERICANA UNC A PASSO GROSSO

Hand taps, 3 pcs set, Unified Coarse Thread (UNC) / Jeux de 3 tarauds à main, filetage américain à pas gros UNC

Juegos de machos a mano, rosca unificada vasta UNC / Handgewindebohrer, dreiteiliger Satz, amerikanisches gewinde UNC

HSS-G DIN 352

UNC



Applicazioni
Applications

R ≤ 800 N/mm²



	Ø	/	L	pcs	cod.
N°	1 x 64	10	32	1	10120N01
	2 x 56	11	36	1	10120N02
	3 x 48	11	36	1	10120N03
	4 x 40	12	40	1	10120N04
	5 x 40	12	40	1	10120N05
	6 x 32	14	45	1	10120N06
	8 x 32	14	45	1	10120N08
	10 x 24	16	50	1	10120N10
	12 x 24	18	50	1	10120N12
UNC	1/4 x 20	19	50	1	101201/4
	5/16 x 18	22	63	1	101205/16
	3/8 x 16	24	70	1	101203/8
	7/16 x 14	24	70	1	101207/16
	1/2 x 13	29	75	1	101201/2
	9/16 x 12	30	80	1	101209/16
	5/8 x 11	32	80	1	101205/8
	3/4 x 10	40	95	1	101203/4
	7/8 x 12	40	100	1	101207/8
	1" x 8	50	110	1	101201"
	1.1/8 x 7	56	132	1	101201.1/8
	1.1/4 x 7	56	132	1	101201.1/4
	1.3/8 x 6	63	150	1	101201.3/8
	1.1/2 x 6	63	150	1	101201.1/2
	1.5/8 x 5	70	160	1	101201.5/8
	1.3/4 x 5	70	160	1	101201.3/4
	1.7/8 x 4,5	80	190	1	101201.7/8
	2" x 4,5	80	190	1	101202"

10120

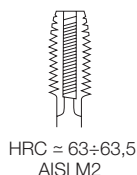
MASCHI A MANO SERIE DI 3 PEZZI, FILETTATURA AMERICANA UNC SINISTRA

Hand taps, 3 pcs set left hand / Jeux de 3 tarauds à main gauche

Juegos de machos a mano izquierda / Handgewindebohrer, linksgewinde dreiteiliger Satz

HSS-G DIN 352 Sinistra - Left hand - Gauche - Izquierda - Links

UNC



	Ø	/	L	pcs	cod.
N°	6 x 32	14	45	1	10122NR06
	8 x 32	14	45	1	10122NR08
	10 x 24	16	50	1	10122NR10
	12 x 24	18	50	1	10122NR12
UNC	1/4 x 20	19	50	1	101221/4
	5/16 x 18	22	63	1	101225/16
	3/8 x 16	24	70	1	101223/8
	7/16 x 14	24	70	1	101227/16
	1/2 x 13	29	75	1	101221/2
	9/16 x 12	30	80	1	101229/16
	5/8 x 11	32	80	1	101225/8
	3/4 x 10	40	95	1	101223/4
	7/8 x 9	40	100	1	101227/8
	1" x 8	50	110	1	101221"

10122

Industrial

MASCHI A MANO SERIE DI 2 PEZZI, FILETTATURA AMERICANA UNF A PASSO FINE

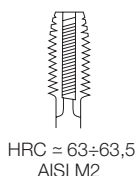
Hand taps, 2 pcs set, unified fine thread UNF / Jeux de 2 tarauds à main, filetage américain à pas fin UNF

Juego de 2 machos a mano, rosca unificada fina UNF / Handgewindebohrer, zweiteiliger Satz, amerikanisches Feingewinde

HSS-G ≈ DIN 2181

UNF

10125



HRC ≈ 63±63,5
AISI M2

Applicazioni
Applications

R ≤ 800 N/mm²



	Ø	/	L	pcs	cod.
N°	0 x 80	9	32	1	10125N00
	1 x 72	9	32	1	10125N01
	2 x 64	10	32	1	10125N02
	3 x 56	10	32	1	10125N03
	4 x 48	11	36	1	10125N04
	5 x 44	11	36	1	10125N05
	6 x 40	12	40	1	10125N06
	8 x 36	12	40	1	10125N08
	10 x 32	14	45	1	10125N10
UNF	12 x 28	14	50	1	10125N12
	1/4 x 28	18	50	1	101251/4
	5/16 x 24	22	56	1	101255/16
	3/8 x 24	22	63	1	101253/8
	7/16 x 20	22	63	1	101257/16
	1/2 x 20	24	75	1	101251/2
	9/16 x 18	28	80	1	101259/16
	5/8 x 18	28	80	1	101255/8
	3/4 x 16	32	95	1	101253/4
	7/8 x 14	36	100	1	101257/8
	1" x 12	40	110	1	101251"12
*	1" x 14	40	110	1	101251"14
	1.1/8 x 12	50	110	1	101251.1/8
	1.1/4 x 12	56	132	1	101251.1/4
	1.3/8 x 12	56	132	1	101251.3/8
	1.1/2 x 12	63	150	1	101251.1/2

* Filettatura UNS
UNS thread

MASCHI A MANO SERIE DI 2 PEZZI, FILETTATURA AMERICANA UNF SINISTRA

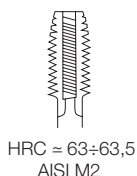
Hand taps, 2 pcs set left hand / Jeux de 2 tarauds à main gauche

Juegos de machos a mano izquierda / Handgewindebohrer, linksgewinde zweiteiliger Satz

HSS-G ≈ DIN 2181 Sinistra - Left hand - Gauche - Izquierda - Links

UNF

10127



HRC ≈ 63±63,5
AISI M2



	Ø	/	L	pcs	cod.
N°	10 x 32	14	45	1	10127NR10
UNC	1/4 x 28	18	50	1	101271/4
	5/16 x 24	22	56	1	101275/16
	3/8 x 24	22	63	1	101273/8
	7/16 x 20	22	63	1	101277/16
	1/2 x 20	24	75	1	101271/2
	9/16 x 18	28	80	1	101279/16
	5/8 x 18	28	80	1	101275/8
	3/4 x 16	32	95	1	101273/4
	7/8 x 14	36	100	1	101277/8
	1" x 12	40	110	1	101271"

MASCHI A MANO / MACCHINA CONICI PER TUBI, FILETTATURA AMERICANA NPT - BSPT

NPT taper thread taps / Tarauds conique NPT / Machos rosca conica americana NPT

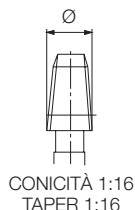
Gewindebohrer, amerikanisches kegeliges Rohrgewinde

HSS-G ANSI B 2.1

NPT



FORM C

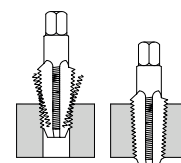


CONICITÀ 1:16
TAPER 1:16



	Ø	/	L	pcs	cod.
NPT	1/16 x 27	19	54	1	101341/16
	1/8 x 27	19	54	1	101341/8
	1/4 x 18	27	62	1	101341/4
	3/8 x 18	27	65	1	101343/8
	1/2 x 14	35	79	1	101341/2
	3/4 x 14	35	83	1	101343/4
	1" x 11,5	44	95	1	101341"
	1.1/4 x 11,5	44	102	1	101341.1/4
	1.1/2 x 11,5	44	108	1	101341.1/2
	2" x 11,5	44	114	1	101342"

10134



CONICITÀ 1:16
TAPER 1:16

MASCHI A MANO / MACCHINA CONICI PER TUBI, FILETTATURA GAS CONICA BSPT

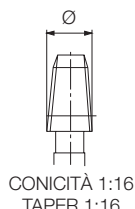
BSPT tapered thread taps / Tarauds filetage gaz conique BSPT / Machos rosca conica BSPT

HSS-G

BSPT



FORM C

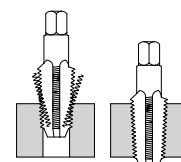


CONICITÀ 1:16
TAPER 1:16



	Ø	/	L	pcs	cod.
Rc	1/8 x 28	15	59	1	101391/8
	1/4 x 19	19	67	1	101391/4
	3/8 x 19	21	75	1	101393/8
	1/2 x 14	26	87	1	101391/2
	3/4 x 14	28	96	1	101393/4
	1" x 11	33	109	1	101391"
	1.1/4 x 11	36	119	1	101391.1/4
	1.1/2 x 11	37	125	1	101391.1/2
	2" x 11	41	140	1	101392"

10139



CONICITÀ 1:16
TAPER 1:16

MASCHI A MACCHINA CONICI PER TUBI, FILETTATURA AMERICANA NPT

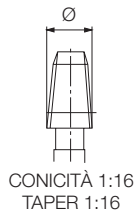
NPT machine taps / Tarauds machine NPT / Machos de maquina NPT / Machinengewindebohrer NPT

HSS-CO

NPT



FORM C



CONICITÀ 1:16
TAPER 1:16



	Ø	/	L	d	pcs	cod.
NPT	1/8 x 27	20	90	7	1	102931/8
	1/4 x 18	22	100	11	1	102931/4
	3/8 x 18	22	100	12	1	102933/8
	1/2 x 14	28	125	16	1	102931/2
	3/4 x 14	28	140	20	1	102933/4
	1" x 11,5	38	160	25	1	102931"

10293

MASCHI A MACCHINA CONICI PER TUBI, FILETTATURA GAS CONICA BSPT

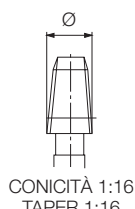
BSPT machine taps / Tarauds machine BSPT / Machos de maquina BSPT / Machinengewindebohrer BSPT

HSS-CO

BSPT



FORM C



CONICITÀ 1:16
TAPER 1:16



	Ø	/	L	d	pcs	cod.
Rc	1/8 x 28	20	90	7	1	102941/8
	1/4 x 19	22	100	11	1	102941/4
	3/8 x 19	22	100	12	1	102943/8
	1/2 x 14	28	125	16	1	102941/2
	3/4 x 14	28	140	20	1	102943/4
	1" x 11	38	160	25	1	102941"

10294

FILIERE TONDE AD IMBOCCO CORRETTO, FILETTATURA METRICA ISO A PASSO GROSSO

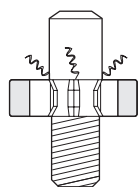
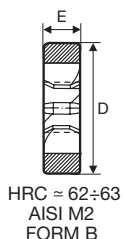
Spiral point round dies, metric coarse thread / Filières rondes entrée gun, filetage métrique à pas gros

Cojinetes redondos entrada corregida, rosca metrica vasta / Runde Schneideisen mit schälanschnitt metrisches ISO-Gewinde

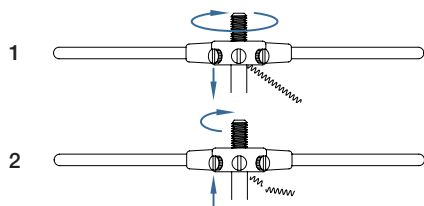
HSS DIN 223 - EN 22568 6g

M

12060



Imbocco corretto
Spiral Point



È buona norma, ad ogni rotazione della filiera⁽¹⁾, effettuare mezzo giro indietro per rompere il truciolo⁽²⁾

Please rotate clockwise the round die⁽¹⁾ then anticlockwise to break the chip⁽²⁾



Risultato: Ottima finitura del filetto
Result: good thread finishing

Art. 12068 Self
Disponibile su richiesta / On demand

Confezione / Packaging



1 pc

Applicazioni / Applications



Acciaio
Steel



Metals



	Ø	DxE	pcs	cod.
M 1	x 0,25	16 x 5	1	1206001X025
1,1	x 0,25	16 x 5	1	12060011X025
1,2	x 0,25	16 x 5	1	12060012X025
1,4	x 0,3	16 x 5	1	12060014X03
1,6	x 0,35	16 x 5	1	12060016X035
1,7	x 0,35	16 x 5	1	12060017X035
1,8	x 0,35	16 x 5	1	12060018X035
2	x 0,4	16 x 5	1	1206002X04
2,2	x 0,45	16 x 5	1	12060022X045
2,3	x 0,4	16 x 5	1	12060023X04
2,5	x 0,45	16 x 5	1	12060025X045
2,6	x 0,45	16 x 5	1	12060026X045
3	x 0,5	20 x 5	1	1206003X05
3,5	x 0,6	20 x 5	1	12060035X06
4	x 0,7	20 x 5	1	1206004X07
4,5	x 0,75	20 x 7	1	12060045X075
5	x 0,8	20 x 7	1	1206005X08
5	x 1	20 x 7	1	1206005X1
5,5	x 0,9	20 x 7	1	12060055x09
6	x 1	20 x 7	1	1206006X1
7	x 1	25 x 9	1	1206007X1
8	x 1,25	25 x 9	1	1206008X125
9	x 1,25	25 x 9	1	1206009X125
10	x 1,5	30 x 11	1	1206010X15
11	x 1,5	30 x 11	1	1206011X15
12	x 1,75	38 x 14	1	1206012X175
14	x 2	38 x 14	1	1206014X2
15	x 2	38 x 14	1	1206015X2
16	x 2	45 x 18	1	1206016X2
18	x 2,5	45 x 18	1	1206018X25
19	x 2,5	45 x 18	1	1206019X25
20	x 2,5	45 x 18	1	1206020X25
22	x 2,5	55 x 22	1	1206022X25
24	x 3	55 x 22	1	1206024X3
27	x 3	65 x 25	1	1206027X3
30	x 3,5	65 x 25	1	1206030X35
33	x 3,5	65 x 25	1	1206033X35
36	x 4	65 x 25	1	1206036X4
39	x 4	75 x 30	1	1206039X4
42	x 4,5	75 x 30	1	1206042X45
45	x 4,5	90 x 36	1	1206045X45
48	x 5	90 x 36	1	1206048X5
52	x 5	90 x 36	1	1206052X5
56	x 5,5	105 x 36	1	1206056X55
60	x 5,5	105 x 36	1	1206060X55
64	x 6	120 x 36	1	1206064X6
68	x 6	120 x 36	1	1206068X6
72	x 6	130 x 36	1	1206072X6



FILIERE TONDE **NON** A NORMA DIN, FILETTATURA METRICA ISO A PASSO GROSSO

Round dies with special outside diameter / Filières rondes avec diamètre extérieur spécial

Cojinetes redondos con diametro exterior special / Runde Schneideisen mit sonderen ausserendurchmesser

HSS 6g

Art. 12066
HSS

Art. 12067
HSS+TiN

12066
12067



Filiere con Ø esterno speciale
Round dies with special outside diameter

				Art. 12066 HSS	Art. 12067 HSS+TiN
Ø	DxE	pcs		cod.	cod.
M 2	x 0,4	25 x 9	1	12066202X04	-
3	x 0,5	25 x 9	1	12066203X05	12067203X05
4	x 0,7	25 x 9	1	12066204X07	12067204X07
5	x 0,8	25 x 9	1	12066205X08	12067205X08
6	x 1	25 x 9	1	12066206X1	12067206X1
7	x 1	25 x 9	1	12066207X1	-
8	x 1,25	25 x 9	1	12066208X125	12067208X125
10	x 1,5	25 x 9	1	12066210X15	12067210X15
12	x 1,75	25 x 9	1	12066212X175	12067212X175
10	x 1,5	38 x 14	1	12066310X15	
12	x 1,75	38 x 14	1	12066312X175	
14	x 2	38 x 14	1	12066314X2	
16	x 2	38 x 14	1	12066316X2	
18	x 2,5	38 x 14	1	12066318X25	
20	x 2,5	38 x 14	1	12066320X25	

FILIERE TONDE **NON** A NORMA DIN, FILETTATURA METRICA ISO A PASSO FINE

NPRound dies with special outside diameter / Filières rondes avec diamètre extérieur spécial

Cojinetes redondos con diametro exterior special / Runde Schneideisen für nicht DIN Norme, mit sonderen äusseren durchmesser

HSS 6g

MF



Filiere con Ø esterno speciale
Round dies with special outside diameter

Ø	DxE	pcs 	cod.	
M 8 x 1	25 x 9	1	12066208X1	
10 x 1	38 x 14	1	12066310X1	
10 x 1,25	38 x 14	1	12066310X125	
12 x 1,25	38 x 14	1	12066312X125	
12 x 1,5	38 x 14	1	12066312X15	
14 x 1,25	38 x 14	1	12066314X125	
14 x 1,5	38 x 14	1	12066314X15	
16 x 1,5	38 x 14	1	12066316X15	
18 x 1,5	38 x 14	1	12066318X15	

12066

Confezione / Packaging



1 pc

Applicazioni / Applications



Acciaio
Steel



Metals



Alu

FILIERE TONDE AD IMBOCCO CORRETTO, FILETTATURA METRICA ISO A PASSO GROSSO

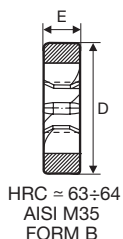
Round dies, spiral point, metric coarse thread / Filières rondes, entrée gun, filetage métrique à pas gros

Cojinetes redondos, entrada corregida, rosca metrica vasta / Runde Schneideisen mit schälanschnitt

HSS-CO DIN 223 EN 22568 6g **COBALT**

M

12144



Imbocco corretto
Spiral Point

Applicazioni
Applications



	Ø	DxE	pcs 	cod.
M 3	x 0,5	20 x 5	1	1214403X05
4	x 0,7	20 x 5	1	1214404X07
5	x 0,8	20 x 7	1	1214405X08
6	x 1	20 x 7	1	1214406X1
8	x 1,25	25 x 9	1	1214408X125
10	x 1,5	30 x 11	1	1214410X15
12	x 1,75	38 x 14	1	1214412X175
14	x 2	38 x 14	1	1214414X2
16	x 2	45 x 18	1	1214416X2
18	x 2,5	45 x 18	1	1214418X25
20	x 2,5	45 x 18	1	1214420X25
22	x 2,5	55 x 22	1	1214422X25
24	x 3	55 x 22	1	1214424X3
27	x 3	65 x 25	1	1214427X3
30	x 3,5	65 x 25	1	1214430X35

FILIERE TONDE SINISTRE, FILETTATURA METRICA A PASSO GROSSO

Round dies, metric coarse thread, left hand / Filières rondes, filetage métrique à pas gros, gauche

Cojinetes redondos, rosca metrica vasta izquierda / Runde Schneideisen, metrisches ISO-Gewinde, linksgewinde

HSS DIN 223 - EN 22568 6g **Sinistra - Left hand - Gauche - Izquierda - Links**

M

12062



Confezione / Packaging



1 pc

Applicazioni / Applications



	Ø	DxE	pcs 	cod.
M 2	x 0,4	16 x 5	1	1206202X04
3	x 0,5	20 x 5	1	1206203X05
4	x 0,7	20 x 5	1	1206204X07
5	x 0,8	20 x 7	1	1206205X08
6	x 1	20 x 7	1	1206206X1
7	x 1	25 x 9	1	1206207X1
8	x 1,25	25 x 9	1	1206208X125
10	x 1,5	30 x 11	1	1206210X15
12	x 1,75	38 x 14	1	1206212X175
14	x 2	38 x 14	1	1206214X2
16	x 2	45 x 18	1	1206216X2
18	x 2,5	45 x 18	1	1206218X25
20	x 2,5	45 x 18	1	1206220X25
22	x 2,5	55 x 22	1	1206222X25
24	x 3	55 x 22	1	1206224X3
27	x 3	65 x 25	1	1206227X3
30	x 3,5	65 x 25	1	1206230X35
33	x 3,5	65 x 25	1	1206233X35
36	x 4	65 x 25	1	1206236X4
39	x 4	75 x 30	1	1206239X4
42	x 4,5	75 x 30	1	1206242X45
45	x 4,5	90 x 36	1	1206245X45
48	x 5	90 x 36	1	1206248X5
52	x 5	90 x 36	1	1206252X5

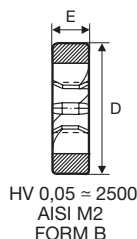
FILIERE TONDE AD IMBOCCO CORRETTO RIV. AL TiN, FIL. METRICA ISO A PASSO GROSSO

TiN round dies, metric coarse thread / Filières rondes revetue au titan, filetage métrique à pas gros

Cojinetes redondos con recubrimiento de titanio / Runde Schneideisen TiN beschichtet

HSS+TiN DIN 223 - EN 22568 6g

M



Imbocco corretto
Spiral Point



	Ø	DxE	pcs	cod.	
M 3	x 0,5	20 x 5	1	1216503X05	
4	x 0,7	20 x 5	1	1216504X07	
5	x 0,8	20 x 7	1	1216505X08	
6	x 1	20 x 7	1	1216506X1	
8	x 1,25	25 x 9	1	1216508X125	
10	x 1,5	30 x 11	1	1216510X15	
12	x 1,75	38 x 14	1	1216512X175	
14	x 2	38 x 14	1	1216514X2	
16	x 2	45 x 18	1	1216516X2	
18	x 2,5	45 x 18	1	1216518X25	
20	x 2,5	45 x 18	1	1216520X25	

12165

Applicazioni
Applications



MF 14	x 1,5	38 x 14	1	1216514x15	
16	x 1,5	45 x 18	1	1216516x15	
18	x 1,5	45 x 18	1	1216518x15	
22	x 1,5	45 x 18	1	1216522x15	

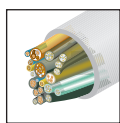
MF

FILIERE TONDE, FILETTATURA METRICA A PASSO FINE PER TUBI DI CONDUZIONE ELETTRICA

Round dies, metric fine thread for cables connections / Filières rondes métrique à pas fin pour tubes avec armature en acier / Cojinetes redondos rosca metrica fina para tubos de conducción eléctrica / Runde Schneideisen, Stahlpanzer ISO-Feingewinde für Kabelverschraubungen

HSS DIN 223 - EN 22568 6g

MF

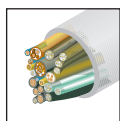


	Ø	DxE	pcs	cod.	
MF 12	x 1,5	38 x 10	1	1206912X15	
16	x 1,5	45 x 14	1	1206916X15	
20	x 1,5	45 x 14	1	1206920X15	
25	x 1,5	55 x 16	1	1206925X15	
32	x 1,5	65 x 18	1	1206932X15	
40	x 1,5	75 x 20	1	1206940X15	
50	x 1,5	90 x 22	1	1206950X15	
63	x 1,5	105 x 22	1	1206963X15	

12069

HSS DIN 40434*

Pg



	Ø	DxE	pcs	cod.	
Pg 13,5	x 18	45 x 14	1	12093135	
21	x 16	65 x 18	1	1209321	
29	x 16	65 x 18	1	1209329	
36	x 16	90 x 22	1	1209336	
42	x 16	105 x 22	1	1209342	
48	x 16	105 x 22	1	1209348	

12093

*In esaurimento
To be discontinued

FILIERE TONDE AD IMBOCCO CORRETTO, FILETTATURA METRICA A PASSO FINE

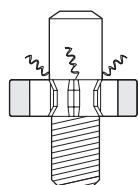
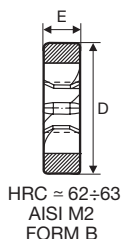
Round dies, spiral point, metric fine thread / Filières rondes, entrée gun, filetage métrique à pas fin

Cojinetes redondos, entrada corregida, rosca metrica fina / Runde Schneideisen mit schälanschnitt, metrisches ISO-Feingewinde

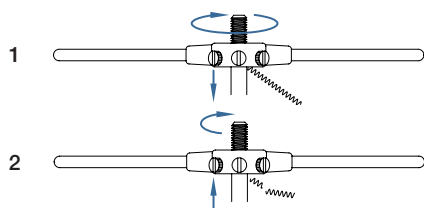
HSS DIN 223 - EN 22568 - 6g

MF

12065



Imbocco corretto
Spiral Point



È buona norma, ad ogni rotazione della filiera⁽¹⁾, effettuare mezzo giro indietro per rompere il truciolo⁽²⁾
Please rotate clockwise the round die⁽¹⁾ then anticlockwise to break the chip⁽²⁾



Risultato: Ottima finitura del filetto
Result: good thread finishing

Confezione / Packaging



1 pc

Applicazioni / Applications



Acciaio
Steel



Metals



Alu



Ø	DxE	pcs	cod.
M 2,5 x 0,35	16 x 5	1	12065025X035
2,6 x 0,35	16 x 5	1	12065026X035
3 x 0,35	20 x 5	1	1206503X035
3,5 x 0,35	20 x 5	1	12065035X035
4 x 0,35	20 x 5	1	1206504X035
4 x 0,5	20 x 5	1	1206504X05
4,5 x 0,5	20 x 5	1	12065045X05
5 x 0,5	20 x 5	1	1206505X05
5 x 0,75	20 x 7	1	1206505X075
5,5 x 0,5	20 x 5	1	12065055X05
6 x 0,5	20 x 5	1	1206506X05
6 x 0,75	20 x 7	1	1206506X075
7 x 0,5	25 x 9	1	1206507X05
7 x 0,75	25 x 9	1	1206507X075
8 x 0,5	25 x 9	1	1206508X05
8 x 0,75	25 x 9	1	1206508X075
8 x 1	25 x 9	1	1206508X1
9 x 0,5	25 x 9	1	1206509X05
9 x 0,75	25 x 9	1	1206509X075
9 x 1	25 x 9	1	1206509X1
10 x 0,5	30 x 11	1	1206510X05
10 x 0,75	30 x 11	1	1206510X075
10 x 1	30 x 11	1	1206510X1
10 x 1,25	30 x 11	1	1206510X125
11 x 1	30 x 11	1	1206511X1
11 x 1,25	30 x 11	1	1206511X125
12 x 0,5	38 x 10	1	1206512X05
12 x 0,75	38 x 10	1	1206512X075
12 x 1	38 x 10	1	1206512X1
12 x 1,25	38 x 10	1	1206512X125
12 x 1,5	38 x 10	1	1206512X15
13 x 0,5	38 x 10	1	1206513X05
13 x 0,75	38 x 10	1	1206513X075
13 x 1	38 x 10	1	1206513X1
13 x 1,5	38 x 10	1	1206513X15
14 x 0,5	38 x 10	1	1206514X05
14 x 0,75	38 x 10	1	1206514X075
14 x 1	38 x 10	1	1206514X1
14 x 1,25	38 x 10	1	1206514X125
14 x 1,5	38 x 10	1	1206514X15
15 x 0,75	38 x 10	1	1206515X075
15 x 1	38 x 10	1	1206515X1
15 x 1,5	38 x 10	1	1206515X15
16 x 0,5	45 x 14	1	1206516X05
16 x 0,75	45 x 14	1	1206516X075
16 x 1	45 x 14	1	1206516X1
16 x 1,25	45 x 14	1	1206516X125
16 x 1,5	45 x 14	1	1206516X15
17 x 1	45 x 14	1	1206517X1
17 x 1,5	45 x 14	1	1206517X15
18 x 0,5	45 x 14	1	1206518X05
18 x 0,75	45 x 14	1	1206518X075
18 x 1	45 x 14	1	1206518X1
18 x 1,25	45 x 14	1	1206518X125
18 x 1,5	45 x 14	1	1206518X15
18 x 2	45 x 14	1	1206518X2
19 x 1	45 x 14	1	1206519X1
19 x 1,5	45 x 14	1	1206519X15
20 x 0,5	45 x 14	1	1206520X05
20 x 0,75	45 x 14	1	1206520X075
20 x 1	45 x 14	1	1206520X1
20 x 1,25	45 x 14	1	1206520X125
20 x 1,5	45 x 14	1	1206520X15
20 x 2	45 x 14	1	1206520X2
21 x 1	45 x 14	1	1206521X1
21 x 1,5	45 x 14	1	1206521X15
22 x 0,5	55 x 16	1	1206522X05
22 x 0,75	55 x 16	1	1206522X075
22 x 1	55 x 16	1	1206522X1
22 x 1,25	55 x 16	1	1206522X125
22 x 1,5	55 x 16	1	1206522X15
22 x 2	55 x 16	1	1206522X2

MF

	Ø	DxE	pcs 	cod.
M	23 x 1	55 x 16	1	1206523X1
	23 x 1,5	55 x 16	1	1206523X15
	24 x 0,5	55 x 16	1	1206524X05
	24 x 0,75	55 x 16	1	1206524X075
	24 x 1	55 x 16	1	1206524X1
	24 x 1,25	55 x 16	1	1206524X125
	24 x 1,5	55 x 16	1	1206524X15
	24 x 2	55 x 16	1	1206524X2
	25 x 1	55 x 16	1	1206525X1
	25 x 1,5	55 x 16	1	1206525X15
	25 x 2	55 x 16	1	1206525X2
	26 x 1	55 x 16	1	1206526X1
	26 x 1,5	55 x 16	1	1206526X15
	26 x 2	55 x 16	1	1206526X2
	27 x 1	65 x 18	1	1206527X1
	27 x 1,5	65 x 18	1	1206527X15
	27 x 2	65 x 18	1	1206527X2
	28 x 1	65 x 18	1	1206528X1
	28 x 1,5	65 x 18	1	1206528X15
	28 x 2	65 x 18	1	1206528X2
	29 x 1,5	65 x 18	1	1206529X15
	30 x 1	65 x 18	1	1206530X1
	30 x 1,5	65 x 18	1	1206530X15
	30 x 2	65 x 18	1	1206530X2
	30 x 2,5	65 x 18	1	1206530X25
	30 x 3	65 x 25	1	1206530X3
	32 x 1	65 x 18	1	1206532X1
	32 x 1,5	65 x 18	1	1206532X15
	32 x 2	65 x 18	1	1206532X2
	32 x 3	65 x 25	1	1206532X3
	33 x 1,5	65 x 18	1	1206533X15
	33 x 2	65 x 18	1	1206533X2
	33 x 3	65 x 25	1	1206533X3
	34 x 1	65 x 18	1	1206534X1
	34 x 1,5	65 x 18	1	1206534X15
	34 x 2	65 x 18	1	1206534X2
	35 x 1	65 x 18	1	1206535X1
	35 x 1,5	65 x 18	1	1206535X15
	35 x 2	65 x 18	1	1206535X2
	36 x 1	65 x 18	1	1206536X1
	36 x 1,5	65 x 18	1	1206536X15
	36 x 2	65 x 18	1	1206536X2
	36 x 3	65 x 25	1	1206536X3
	37 x 1,5	65 x 18	1	1206537X15
	38 x 1	75 x 20	1	1206538X1
	38 x 1,5	75 x 20	1	1206538X15
	38 x 2	75 x 20	1	1206538X2
	38 x 3	75 x 30	1	1206538X3
	39 x 1,5	75 x 20	1	1206539X15
	39 x 2	75 x 20	1	1206539X2
	39 x 3	75 x 30	1	1206539X3
	40 x 1	75 x 20	1	1206540X1
	40 x 1,5	75 x 20	1	1206540X15
	40 x 2	75 x 20	1	1206540X2
	40 x 3	75 x 30	1	1206540X3
	42 x 1	75 x 20	1	1206542X1
	42 x 1,5	75 x 20	1	1206542X15
	42 x 2	75 x 20	1	1206542X2
	42 x 3	75 x 30	1	1206542X3
	44 x 1,5	90 x 22	1	1206544X15
	44 x 2	90 x 22	1	1206544X2
	45 x 1	90 x 22	1	1206545X1
	45 x 1,5	90 x 22	1	1206545X15
	45 x 2	90 x 22	1	1206545X2
	45 x 3	90 x 36	1	1206545X3
	46 x 1,5	90 x 22	1	1206546X15
	48 x 1	90 x 22	1	1206548X1
	48 x 1,5	90 x 22	1	1206548X15
	48 x 2	90 x 22	1	1206548X2
	48 x 3	90 x 36	1	1206548X3
	50 x 1,5	90 x 22	1	1206550X15
	50 x 2	90 x 22	1	1206550X2
	50 x 3	90 x 36	1	1206550X3
	52 x 1,5	90 x 22	1	1206552X15
	52 x 2	90 x 22	1	1206552X2
	52 x 3	90 x 36	1	1206552X3

MF

	Ø	DxE	pcs	cod.
	54 x 1	105 x 22	1	1206554X1
	54 x 1,5	105 x 22		1206554X15
	54 x 2	105 x 22	1	1206554X2
	54 x 3	105 x 36	1	1206554X3
	54 x 4	105 x 36	1	1206554X4
	55 x 1,5	105 x 22	1	1206555X15
	55 x 2	105 x 22	1	1206555X2
	55 x 3	105 x 36	1	1206555X3
	55 x 4	105 x 36	1	1206555X4
	56 x 1	105 x 22	1	1206556X1
	56 x 1,5	105 x 22	1	1206556X15
	56 x 2	105 x 22	1	1206556X2
	56 x 3	105 x 36	1	1206556X3
	56 x 4	105 x 36	1	1206556X4
	58 x 1	105 x 22	1	1206558X1
	58 x 1,5	105 x 22	1	1206558X15
	58 x 2	105 x 22	1	1206558X2
	58 x 3	105 x 36	1	1206558X3
	58 x 4	105 x 36	1	1206558X4
	60 x 1,5	105 x 22	1	1206560X15
	60 x 2	105 x 22	1	1206560X2
	60 x 3	105 x 36	1	1206560X3
	60 x 4	105 x 36	1	1206560X4
	62 x 1,5	105 x 22	1	1206562X15
	62 x 2	105 x 22	1	1206562X2
	62 x 3	105 x 36	1	1206562X3
	62 x 4	105 x 36	1	1206562X4
	63 x 1,5	105 x 22	1	1206563X15
	64 x 1,5	120 x 22	1	1206564X15
	64 x 2	120 x 22	1	1206564X2
	64 x 3	120 x 36	1	1206564X3
	64 x 4	120 x 36	1	1206564X4
	65 x 1,5	120 x 22	1	1206565X15
	65 x 2	120 x 22	1	1206565X2
	65 x 3	120 x 36	1	1206565X3
	65 x 4	120 x 36	1	1206565X4
	68 x 1,5	120 x 22	1	1206568X15
	68 x 2	120 x 22	1	1206568X2
	68 x 3	120 x 36	1	1206568X3
	68 x 4	120 x 36	1	1206568X4
	70 x 1,5	120 x 22	1	1206570X15
	70 x 2	120 x 22	1	1206570X2
	70 x 3	120 x 36	1	1206570X3
	70 x 4	120 x 36	1	1206570X4
	72 x 1,5	120 x 22	1	1206572X15
	72 x 2	120 x 22	1	1206572X2
	72 x 3	120 x 36	1	1206572X3
	72 x 4	120 x 36	1	1206572X4
	74 x 1,5	120 x 22	1	1206574X15
	74 x 2	120 x 22	1	1206574X2
	74 x 3	120 x 36	1	1206574X3
	74 x 4	120 x 36	1	1206574X4
	75 x 1,5	120 x 22	1	1206575X15
	75 x 2	120 x 22	1	1206575X2
	75 x 3	120 x 36	1	1206575X3
	75 x 4	120 x 36	1	1206575X4
	76 x 1,5	120 x 22	1	1206576X15
	76 x 2	120 x 22	1	1206576X2
	76 x 3	120 x 36	1	1206576X3
	76 x 4	120 x 36	1	1206576X4
	78 x 1,5	120 x 22	1	1206578X15
	78 x 2	120 x 22	1	1206578X2
	78 x 3	120 x 36	1	1206578X3
	78 x 4	120 x 36	1	1206578X4
	80 x 1,5	120 x 22	1	1206580X15
	80 x 2	120 x 22	1	1206580X2
	80 x 3	120 x 36	1	1206580X3
	80 x 4	120 x 36	1	1206580X4
	82 x 1,5	130 x 25	1	1206582X15
	82 x 2	130 x 25	1	1206582X2
	82 x 3	130 x 36	1	1206582X3
	82 x 4	130 x 36	1	1206582X4

Ø M84x1,5÷105x4: a richiesta
on demand

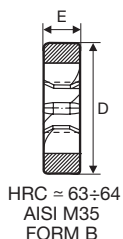
FILIERE TONDE AD IMBOCCO CORRETTO, FILETTATURA METRICA ISO A PASSO FINE

Spiral point round dies, metric fine thread / Filières rondes, entrée gun, filetage métrique à pas fin

Cojinetes redondos, entrada corregida, rosca metrica fina / Runde Schneideisen mit schälanschnitt, metrisches DIN-ISO-Feingewinde

HSS-CO DIN 223 - EN 22568 6g **COBALT**

MF

12146Imbocco corretto
Spiral PointApplicazioni
Applications

Ø	DxE	pcs	cod.	
M 6 x 0,75	20 x 7	1	1214606X075	
8 x 0,75	25 x 9	1	1214608X075	
8 x 1	25 x 9	1	1214608X1	
10 x 1	30 x 11	1	1214610X1	
10 x 1,25	30 x 11	1	1214610X125	
12 x 1	38 x 10	1	1214612X1	
12 x 1,25	38 x 10	1	1214612X125	
12 x 1,5	38 x 10	1	1214612X15	
14 x 1,25	38 x 10	1	1214614X125	
14 x 1,5	38 x 10	1	1214614X15	
16 x 1,5	45 x 14	1	1214616X15	
18 x 1,5	45 x 14	1	1214618X15	
18 x 2	45 x 14	1	1214618X2	
20 x 1,5	45 x 14	1	1214620X15	
20 x 2	45 x 14	1	1214620X2	
22 x 1,5	55 x 16	1	1214622X15	
24 x 1,5	55 x 16	1	1214624X15	

HSS DIN 223 - EN 22568 6g **Sinistra - Left hand - Gauche - Izquierda - Links**

MF

12072

LH

Applicazioni
Applications

Ø	DxE	pcs	cod.		Ø	DxE	pcs	cod.
M 3 x 0,35	20 x 5	1	1207203X035		22 x 1,25	55 x 16	1	1207222X125
4 x 0,5	20 x 5	1	1207204X05		22 x 1,5	55 x 16	1	1207222X15
4,5 x 0,5	20 x 5	1	12072045X05		22 x 2	55 x 16	1	1207222X2
5 x 0,75	20 x 7	1	1207205X075		23 x 1,5	55 x 16	1	1207223X15
5,5 x 0,5	20 x 5	1	12072055X05		24 x 1,25	55 x 16	1	1207224X125
6 x 0,5	20 x 5	1	1207206X05		24 x 1,5	55 x 16	1	1207224X15
6 x 0,75	20 x 7	1	1207206X075		24 x 2	55 x 16	1	1207224X2
7 x 0,5	25 x 9	1	1207207X05		25 x 1,5	55 x 16	1	1207225X15
7 x 0,75	25 x 9	1	1207207X075		25 x 2	55 x 16	1	1207225X2
8 x 0,75	25 x 9	1	1207208X075		26 x 1,5	55 x 16	1	1207226X15
8 x 1	25 x 9	1	1207208X1		26 x 2	55 x 16	1	1207226X2
9 x 0,5	25 x 9	1	1207209X05		27 x 1,5	65 x 18	1	1207227X15
10 x 1	30 x 11	1	1207210X1		27 x 2	65 x 18	1	1207227X2
10 x 1,25	30 x 11	1	1207210X125		28 x 1,5	65 x 18	1	1207228X15
12 x 1	38 x 10	1	1207212X1		28 x 2	65 x 18	1	1207228X2
12 x 1,25	38 x 10	1	1207212X125		30 x 1,5	65 x 18	1	1207230X15
12 x 1,5	38 x 10	1	1207212X15		30 x 2	65 x 18	1	1207230X2
13 x 1,5	38 x 10	1	1207213X15		30 x 2,5	65 x 18	1	1207230X25
14 x 1	38 x 10	1	1207214X1		30 x 3	65 x 25	1	1207230X3
14 x 1,25	38 x 10	1	1207214X125		32 x 1,5	65 x 18	1	1207232X15
14 x 1,5	38 x 10	1	1207214X15		32 x 2	65 x 18	1	1207232X2
15 x 1,5	38 x 10	1	1207215X15		32 x 3	65 x 25	1	1207232X3
16 x 1	45 x 14	1	1207216X1		33 x 1,5	65 x 18	1	1207233X15
16 x 1,25	45 x 14	1	1207216X125		33 x 2	65 x 18	1	1207233X2
16 x 1,5	45 x 14	1	1207216X15		33 x 3	65 x 18	1	1207233X3
18 x 1	45 x 14	1	1207218X1		34 x 1,5	65 x 18	1	1207234X15
18 x 1,25	45 x 14	1	1207218X125		34 x 2	65 x 18	1	1207234X2
18 x 1,5	45 x 14	1	1207218X15		35 x 1,5	65 x 25	1	1207235X15
18 x 2	45 x 14	1	1207218X2		35 x 2	65 x 18	1	1207235X2
20 x 1,25	45 x 14	1	1207220X125		36 x 1,5	65 x 18	1	1207236X15
20 x 1,5	45 x 14	1	1207220X15		36 x 2	65 x 18	1	1207236X2
20 x 2	45 x 14	1	1207220X2		36 x 3	65 x 18	1	1207236X3

Ø M37x1,5÷48x3: a richiesta
on demand

FILIERE TONDE AD IMBOCCO CORRETTO, FILETTATURA GAS CILINDRICA ISO 228

Spiral point round dies, spiral point, Whitworth pipe thread ISO 228 / Filières rondes, entrée gun, pour filetage gaz de tuyauterie ISO 228

Cojinetes redondos, entrada corregida, rosca gas cilíndrica ISO 228 / Runde Schneideisen mit schälanschnitt für Rohrgewinde DIN-ISO 228

HSS DIN 5158 - EN 24231

BSP (GAS)



Applicazioni
Applications



	Ø	DxE	pcs 	cod.
G	1/8 x 28	30 x 11	1	120751/8
	1/4 x 19	38 x 10	1	120751/4
	3/8 x 19	45 x 14	1	120753/8
	1/2 x 14	45 x 14	1	120751/2
	5/8 x 14	55 x 16	1	120755/8
	3/4 x 14	55 x 16	1	120753/4
	7/8 x 14	65 x 18	1	120757/8
	1" x 11	65 x 18	1	120751"
	1.1/8 x 11	75 x 20	1	120751.1/8
	1.1/4 x 11	75 x 20	1	120751.1/4
	1.3/8 x 11	90 x 22	1	120751.3/8
	1.1/2 x 11	90 x 22	1	120751.1/2
	1.5/8 x 11	90 x 22	1	120751.5/8
	1.3/4 x 11	90 x 22	1	120751.3/4
	1.3/4 x 11	105 x 22	1	120751.3/4105
	2" x 11	90 x 22	1	1207592"
	2" x 11	105 x 22	1	1207512"
	2.1/4 x 11	105 x 22	1	120752.1/4
	2.1/2 x 11	120 x 22	1	120752.1/2
	2.3/4 x 11	120 x 22	1	120752.3/4
	3" x 11	130 x 25	1	120753"
	3.1/2 x 11	150 x 25	1	120753.1/2
	4" x 11	160 x 25	1	120754"

12075

HSS-CO DIN 5158 - EN 24231 COBALT

BSP (GAS)



Applicazioni
Applications



	Ø	DxE	pcs 	cod.
G	1/8 x 28	30 x 11	1	121481/8
	1/4 x 19	38 x 10	1	121481/4
	3/8 x 19	45 x 14	1	121483/8
	1/2 x 14	45 x 14	1	121481/2
	3/4 x 14	55 x 16	1	121483/4
	1" x 11	65 x 18	1	121481"

12148

HSS DIN 5158 - EN 24231 Sinistra - Left hand - Gauche - Izquierda - Links

BSP (GAS)



Applicazioni
Applications



	Ø	DxE	pcs 	cod.
G	1/8 x 28	30 x 11	1	120771/8
	1/4 x 19	38 x 10	1	120771/4
	3/8 x 19	45 x 14	1	120773/8
	1/2 x 14	45 x 14	1	120771/2
	5/8 x 14	55 x 16	1	120775/8
	3/4 x 14	55 x 16	1	120773/4
	7/8 x 14	65 x 18	1	120777/8
	1" x 11	65 x 18	1	120771"
	1.1/8 x 11	75 x 20	1	120771.1/8
	1.1/4 x 11	75 x 20	1	120771.1/4
	1.1/2 x 11	90 x 22	1	120771.1/2
	1.3/4 x 11	105 x 22	1	120771.3/4
	2" x 11	105 x 22	1	120772"

12077

Industrial

FILIERE TONDE AD IMBOCCO CORRETTO, FILETTATURA WHITWORTH BS-84

Round dies, spiral point, Whitworth BSW thread BS-84 / Filières rondes, entrée gun, filetage Whitworth

Cojinetes redondos, entrada corregida, rosca Whitworth / Runde Schneideisen mit schälanschnitt, Whitworth –Gewinde BS-84

HSS DIN 223 - EN 22568

BSW

12070



Applicazioni
Applications



Ø	DxE	pcs	cod.
BSW 1/16 x 60	16 x 5	1	120701/16
3/32 x 48	16 x 5	1	120703/32
1/8 x 40	20 x 5	1	120701/8
5/32 x 32	20 x 5	1	120705/32
3/16 x 24	20 x 7	1	120703/16
7/32 x 24	20 x 7	1	120707/32
1/4 x 20	25 x 9	1	120701/4
5/16 x 18	25 x 9	1	120705/16
3/8 x 16	30 x 11	1	120703/8
7/16 x 14	30 x 11	1	120707/16
1/2 x 12	38 x 14	1	120701/2
9/16 x 12	38 x 14	1	120709/16
5/8 x 11	45 x 18	1	120705/8
3/4 x 10	45 x 18	1	120703/4
7/8 x 9	55 x 22	1	120707/8
1" x 9	55 x 22	1	120701"
1.1/8 x 7	65 x 25	1	120701.1/8
1.1/4 x 7	65 x 25	1	120701.1/4
1.3/8 x 6	65 x 25	1	120701.3/8
1.1/2 x 6	65 x 22	1	1207061.1/2
1.1/2 x 6	75 x 30	1	1207071.1/2
1.5/8 x 5	75 x 30	1	120701.5/8
1.3/4 x 5	90 x 36	1	120701.3/4
1.7/8 x 4,5	90 x 36	1	120701.7/8
2" x 4,5	90 x 36	1	120702"

HSS DIN 223 - EN 22568 Sinistra - Left hand - Gauche - Izquierda - Links

BSW

12088



Ø	DxE	pcs	cod.
BSW 1/8 x 40	20 x 5	1	120881/8
5/32 x 32	20 x 5	1	120885/32
3/16 x 24	20 x 7	1	120883/16
1/4 x 20	20 x 7	1	120881/4
5/16 x 18	25 x 9	1	120885/16
3/8 x 16	30 x 11	1	120883/8
7/16 x 14	30 x 11	1	120887/16
1/2 x 12	38 x 14	1	120881/2
9/16 x 12	38 x 14	1	120889/16
5/8 x 11	45 x 18	1	120885/8
3/4 x 10	45 x 18	1	120883/4
7/8 x 9	55 x 22	1	120887/8
1" x 8	55 x 22	1	120881"

HSS DIN 223 - EN 22568

BSF

12087



Ø	DxE	pcs	cod.
BSF 3/16 x 32	20 x 7	1	120873/16
1/4 x 26	25 x 9	1	120871/4
5/16 x 22	25 x 9	1	120875/16
3/8 x 20	30 x 11	1	120873/8
7/16 x 18	30 x 11	1	120877/16
1/2 x 16	38 x 10	1	120871/2
9/16 x 16	38 x 10	1	120879/16
5/8 x 14	45 x 14	1	120875/8
3/4 x 12	45 x 14	1	120873/4
7/8 x 11	55 x 22	1	120877/8
1" x 10	55 x 22	1	120871"

FILIERE TONDE AD IMBOCCO CORRETTO, FIL. AMERICANA UNC PASSO GROSSO ANSI B1.1

Round dies, spiral point, unified coarse thread UNC / Filières rondes, filetage américain à pas gros UNC

Cojinetes redondos, rosca unificada vasta UNC / Runde Schneideisen, amerikanisches grossgewinde UNC

HSS DIN 223 - EN 22568

UNC

12080



	Ø	DxE	pcs 	cod.
N°	4 x 40	20 x 5	1	12080N04
	5 x 40	20 x 5	1	12080N05
	6 x 32	20 x 7	1	12080N06
	8 x 32	20 x 7	1	12080N08
	10 x 24	20 x 7	1	12080N10
	12 x 24	20 x 7	1	12080N12
UNC	1/4 x 20	20 x 7	1	120801/4
	5/16 x 18	25 x 9	1	120805/16
	3/8 x 16	30 x 11	1	120803/8
	7/16 x 14	30 x 11	1	120807/16
	1/2 x 13	38 x 14	1	120801/2
	9/16 x 12	38 x 14	1	120809/16
	5/8 x 11	45 x 18	1	120805/8
	3/4 x 10	45 x 18	1	120803/4
	7/8 x 9	55 x 22	1	120807/8
	1" x 8	55 x 22	1	120801"
	1.1/8 x 7	65 x 25	1	120801.1/8
	1.1/4 x 7	65 x 25	1	120801.1/4
	1.3/8 x 6	65 x 25	1	120801.3/8
	1.1/2 x 6	65 x 25	1	1208061.1/2
	1.1/2 x 6	75 x 30	1	1208071.1/2
	1.5/8 x 5	75 x 30	1	120801.5/8
	1.3/4 x 5	90 x 36	1	120801.3/4
	1.7/8 x 4,5	90 x 36	1	120801.7/8
	2" x 4,5	90 x 36	1	120802"

Applicazioni
Applications



FILIERE TONDE A IMBOCCO CORRETTO, FILETTATURA AMERICANA UNC SINISTRA

Round dies, spiral point, left hand / Filières rondes, entrée gun, gauche

Cojinetes redondo, entrada corregida, izquierda / Runde Schneideisen, linksgewinde

HSS DIN 223 - EN 22568 Sinistra - Left hand - Gauche - Izquierda - Links

UNC

12082



	Ø	DxE	pcs 	cod.
N°	6 x 32	20 x 7	1	12082NR06
	8 x 32	20 x 7	1	12082NR08
	10 x 24	20 x 7	1	12082NR10
UNC	1/4 x 20	20 x 7	1	120821/4
	5/16 x 18	25 x 9	1	120825/16
	3/8 x 16	30 x 11	1	120823/8
	7/16 x 14	38 x 14	1	120827/16
	1/2 x 13	38 x 14	1	120821/2
	9/16 x 12	38 x 14	1	120829/16
	5/8 x 11	45 x 18	1	120825/8
	3/4 x 10	45 x 18	1	120823/4
	7/8 x 9	55 x 22	1	120827/8
	1" x 8	55 x 22	1	120821"

FILIERE TONDE, FILETTATURA AMERICANA UNF A PASSO FINE ANSI B1.1

Round dies, unified fine thread UNF / Filières rondes, filetage américain à pas fin

Cojinetes redondos, rosca unificada fina UNF / Runde Schneideisen, amerikanisches fein-Gewinde

HSS DIN 223 - EN 22568

UNF

12085



Applicazioni
Applications



Ø	DxE	pcs	cod.	
N° 2 x 64	16 x 5	1	12085N02	
3 x 56	16 x 5	1	12085N03	
4 x 48	20 x 5	1	12085N04	
5 x 44	20 x 5	1	12085N05	
6 x 40	20 x 5	1	12085N06	
8 x 36	20 x 7	1	12085N08	
10 x 32	20 x 7	1	12085N10	
12 x 28	20 x 7	1	12085N12	
UNF 1/4 x 28	20 x 7	1	120851/4	
5/16 x 24	25 x 9	1	120855/16	
3/8 x 24	30 x 11	1	120853/8	
7/16 x 20	30 x 11	1	120857/16	
1/2 x 20	38 x 10	1	120851/2	
9/16 x 18	38 x 10	1	120859/16	
5/8 x 18	45 x 14	1	120855/8	
3/4 x 16	45 x 14	1	120853/4	
7/8 x 14	55 x 16	1	120857/8	
1" x 12	55 x 16	1	120851"X12	
*1" x 14	55 x 16	1	120851"X14	
1.1/8 x 12	65 x 18	1	120851.1/8	
1.1/4 x 12	65 x 18	1	120851.1/4	
1.3/8 x 12	65 x 18	1	120851.3/8	
1.1/2 x 12	65 x 18	1	1208561.1/2	
1.1/2 x 12	75 x 20	1	1208571.1/2	

* Filettatura UNS / UNS Thread

HSS DIN 223 - EN 22568 Sinistra - Left hand - Gauche - Izquierda - Links

UNF

12086



Ø	DxE	pcs	cod.	
N° 10 x 32	20 x 7	1	12086NR10	
UNF 1/4 x 28	20 x 7	1	120861/4	
5/16 x 24	25 x 9	1	120865/16	
3/8 x 24	30 x 11	1	120863/8	
7/16 x 20	30 x 11	1	120867/16	
1/2 x 20	38 x 10	1	120861/2	
9/16 x 18	38 x 10	1	120869/16	
5/8 x 18	45 x 14	1	120865/8	
3/4 x 16	45 x 14	1	120863/4	
7/8 x 14	55 x 16	1	120867/8	
1" x 12	55 x 16	1	120861"	

FILIERE TONDE, FILETTATURA AMERICANA UNEF A PASSO EXTRAFINE ANSI B1.1

Round dies, unified extrafine thread UNEF / Filières rondes, filetage américain à pas extrafin

Cojinetes redondos, rosca unificada extrafina UNEF / Runde Schneideisen, amerikanisches fein-Gewinde

HSS DIN 223 - EN 22568

UNEF

12079



Ø	DxE	pcs	cod.	
UNEF 1/4 x 32	20 x 7	1	120791/4	
3/8 x 32	30 x 11	1	120793/8	
1/2 x 28	38 x 10	1	120791/2	
9/16 x 24	38 x 10	1	120799/16	
5/8 x 24	45 x 14	1	120795/8	
3/4 x 20	45 x 14	1	120793/4	
7/8 x 20	55 x 16	1	120797/8	
1" x 20	55 x 16	1	120791"	
1.1/8 x 18	65 x 18	1	120791.1/8	

FILIERE TONDE, FILETTATURA CONICA AMERICANA PER TUBI 1:16 NPT

Round dies, taper pipe thread NPT / Filières rondes, filetage conique pour tubes NPT

Cojinetes redondos, rosca conica americana NPT / Runde Schneideisen, amerikanisches kegeliges Rohrgewinde NPT

HSS

NPT



Conicità 1:16
Taper 1:16

Ø	DxE	pcs	cod.	
1/16 x 27	25 x 9	1	120911/16	
1/8 x 27	30 x 11	1	120911/8	
1/4 x 18	38 x 14	1	120911/4	
3/8 x 18	45 x 18	1	120913/8	
1/2 x 14	45 x 18	1	120911/2	
3/4 x 14	55 x 22	1	120913/4	
1" x 11,5	65 x 25	1	120911"	
1.1/4 x 11,5	75 x 26	1	120911.1/4	
1.1/2 x 11,5	90 x 27	1	120911.1/2	
2" x 11,5	105 x 28	1	120912"	

12091

Applicazioni
Applications



FILIERE TONDE, FILETTATURA CONICA PER TUBI 1:16 BSPT

Round dies, Whitworth taper thread 1:16 BSPT / Filières rondes, filetage gaz de tuyauterie BSPT

Cojinetes redondos, rosca gas conica BSPT / Runde Schneideisen, britisches kegeliges Rohrgewinde BSPT

HSS

BSPT



Conicità 1:16
Taper 1:16

Ø	DxE	pcs	cod.	
Rc 1/8 x 28	30 x 11	1	120891/8	
1/4 x 19	38 x 14	1	120891/4	
3/8 x 19	45 x 18	1	120893/8	
1/2 x 14	45 x 18	1	120891/2	
3/4 x 14	55 x 22	1	120893/4	
1" x 11	65 x 25	1	120891"	
1.1/4 x 11	75 x 26	1	120891.1/4	
1.1/2 x 11	90 x 27	1	120891.1/2	
2" x 11	105 x 28	1	120892"	

12089

Applicazioni
Applications



FILIERE ESAGONALI

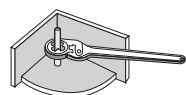
Exagonal round dies / Filières hexagonales

Cojinetes hexagonales / Sechseckschneideisen

HSS DIN 382 6g

M

12094



Applicazioni
Applications



- Per generare nuovi filetti e ripassare filettature danneggiate in punti di difficile accesso.
- To generate new threads and overhaul the damaged ones.

	Ø	DxE	pcs 	cod.
M	3 x 0,5	19 x 5	1	1209403x05
	4 x 0,7	19 x 5	1	1209404x07
	5 x 0,8	19 x 7	1	1209405x08
	6 x 1	19 x 7	1	1209406x1
	7 x 1	22 x 9	1	1209407x1
	8 x 1,25	22 x 9	1	1209408x125
	9 x 1,25	22 x 9	1	1209409x125
	10 x 1,5	27 x 11	1	1209410x15
	11 x 1,5	27 x 11	1	1209411x15
	12 x 1,75	36 x 14	1	1209412x175
	14 x 2	36 x 14	1	1209414x2
	16 x 2	41 x 18	1	1209416x2
	18 x 2,5	41 x 18	1	1209418x25
	20 x 2,5	41 x 18	1	1209420x25
	22 x 2,5	50 x 22	1	1209422x25
	24 x 3	50 x 22	1	1209424x3
	27 x 3	60 x 25	1	1209427x3
	30 x 3,5	60 x 25	1	1209430x35
	33 x 3,5	60 x 25	1	1209433x35
	36 x 4	60 x 25	1	1209436x4
	39 x 4	70 x 30	1	1209439x4
	42 x 4,5	70 x 30	1	1209442x45
	45 x 4,5	85 x 36	1	1209445x45
	48 x 5	85 x 36	1	1209448x5
	52 x 5	85 x 36	1	1209452x5
	56 x 5,5	100 x 36	1	1209456x55
	60 x 5,5	100 x 36	1	1209460x55
	64 x 6	100 x 36	1	1209464x6
	68 x 6	115 x 36	1	1209468x6

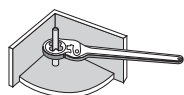
FILIERE ESAGONALI

Exagonal round dies / Filières hexagonales

Cojinetes hexagonales / Sechseckschneideisen

HSS DIN 382 6g

MF



Applicazioni
Applications



	Ø	DxE	pcs	cod.	
M	3 x 0,35	19 x 5	1	1209603x035	
	4 x 0,35	19 x 5	1	1209604x035	
	4 x 0,5	19 x 5	1	1209604x05	
	5 x 0,5	19 x 5	1	1209605x05	
	5 x 0,75	19 x 7	1	1209605x075	
	6 x 0,5	19 x 5	1	1209606x05	
	6 x 0,75	19 x 7	1	1209606x075	
	7 x 0,75	22 x 9	1	1209607x075	
	8 x 0,5	22 x 9	1	1209608x05	
	8 x 0,75	22 x 9	1	1209608x075	
	8 x 1	22 x 9	1	1209608x1	
	9 x 0,75	22 x 9	1	1209609x075	
	9 x 1	22 x 9	1	1209609x1	
	10 x 0,75	27 x 11	1	1209610x075	
	10 x 1	27 x 11	1	1209610x1	
	10 x 1,25	27 x 11	1	1209610x125	
	11 x 1	27 x 11	1	1209611x1	
	11 x 1,25	27 x 11	1	1209611x125	
	12 x 0,75	36 x 10	1	1209612x075	
	12 x 1	36 x 10	1	1209612x1	
	12 x 1,25	36 x 10	1	1209612x125	
	12 x 1,5	36 x 10	1	1209612x15	
	13 x 1	36 x 10	1	1209613x1	
	13 x 1,5	36 x 10	1	1209613x15	
	14 x 0,75	36 x 10	1	1209614x075	
	14 x 1	36 x 10	1	1209614x1	
	14 x 1,25	36 x 10	1	1209614x125	
	14 x 1,5	36 x 10	1	1209614x15	
	15 x 1	36 x 10	1	1209615x1	
	15 x 1,5	36 x 10	1	1209615x15	
	16 x 1	41 x 14	1	1209616x1	
	16 x 1,25	41 x 14	1	1209616x125	
	16 x 1,5	41 x 14	1	1209616x15	
	18 x 1	41 x 14	1	1209618x1	
	18 x 1,25	41 x 14	1	1209618x125	
	18 x 1,5	41 x 14	1	1209618x15	
	18 x 2	41 x 14	1	1209618x2	
	20 x 1	41 x 14	1	1209620x1	
	20 x 1,25	41 x 14	1	1209620x125	
	20 x 1,5	41 x 14	1	1209620x15	
	20 x 2	41 x 14	1	1209620x2	

12096

HSS DIN 382

BSP



it per idraulici e installatori
For plumbers and journeymen
Pour plombiers et installateurs
Para fontaneros e instaladores
Für Rohrleger und installateurs

	Ø	DxE	pcs	cod.	
G	1/8 x 28	27 x 11	1	120981/8	
	1/4 x 19	36 x 10	1	120981/4	
	3/8 x 19	41 x 14	1	120983/8	
	1/2 x 14	41 x 14	1	120981/2	
	5/8 x 14	50 x 16	1	120985/8	
	3/4 x 14	50 x 16	1	120983/4	
	7/8 x 14	60 x 18	1	120987/8	
	1" x 11	60 x 18	1	120981"	
	1.1/8 x 11	70 x 20	1	120981.1/8	
	1.1/2 x 11	85 x 22	1	120981.1/2	
	2" x 11	100 x 22	1	120982"	

12098

*In esaurimento
To be discontinued

cod.		
* 12100500 BSP 1/8÷1"		1 pc 
		G 1/8-1/4-3/8 1/2-3/4-1"

- Per generare nuovi filetti e ripassare filettature danneggiate in punti di difficile accesso.
- To generate new threads and overhaul the damaged ones.

Industrial

UTENSILE COMBINATO CON ATTACCO ESAGONALE 1/4" PER AVVITATORI E TRAPANI REVERSIBILI

Combined bits for drilling-threading-deburring in one operation with 1/4" hexagon drive / Outil combiné pour perçage-taraudage-ebavurage en unique operation / Utensilio combinado para taladrar - roscar y avellanar en una sola operacion / Kombi-bits zum kerlochbohren, gewindeschneiden und entgraten in einen Arbeitsgang

10212

10230



HSS-G



HSS-G+TiN



Art. 10213 Self
Disponibile su richiesta / On demand

Applicazioni
Applications



Metals



Alu



Cu Zn Ni Ms



Plastics

- Per forare, filettare e svasare in acciaio, alluminio, metalli non ferrosi in genere, plastica sino a $R_{\leq 600}$ N/mm² e profondità 1xD.
- Drilling, threading and deburring in steel, aluminium, plastics with $R_{\leq 600}$ N/mm² and depth 1xD.
- Percage - taraudage, ebavurage en unique operation en acier, aluminium, plastic avec $R_{\leq 600}$ N/mm² et spesseur de travaille 1xD.
- Para taladrar, roscar y avellanar acero, aluminio, plastico con $R_{\leq 600}$ N/mm² y profundidad de corte 1xD.
- Kernlochbohren, gewindeschneiden und entgraten in einem arbeitgang in Stahl-ne-Metalle-Kunststoffe-bis 600 N/mm² zugfestigkeit bis 1xD Materialstärke.

10212

	Ø	/	L	Hex	pcs	cod.
M	3 x 0,5	2,5	36	1/4	1	1021203x05
	4 x 0,7	3,3	39	1/4	1	1021204x07
	5 x 0,8	4,2	41	1/4	1	1021205x08
	6 x 1	5	44	1/4	1	1021206x1
	8 x 1,25	6,8	50	1/4	1	1021208x125
	10 x 1,5	8,5	59	1/4	1	1021210x15

10230

	Ø	/	L	Hex	pcs	cod.
M	3 x 0,5	2,5	36	1/4	1	1023003x05
	4 x 0,7	3,3	39	1/4	1	1023004x07
	5 x 0,8	4,2	41	1/4	1	1023005x08
	6 x 1	5	44	1/4	1	1023006x1
	8 x 1,25	6,8	50	1/4	1	1023008x125
	10 x 1,5	8,5	59	1/4	1	1023010x15

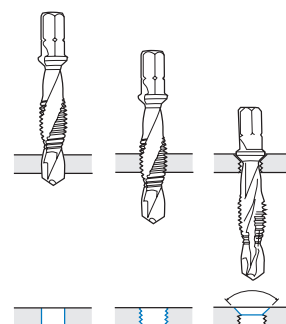
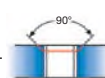


Attacco esagonale 1/4" per
avvitatori, trapani a batteria, trapani
portatili e stazionari reversibili
1/4 hex shank for battery powered
screwdriver, reversible hand powered
drills and stationary power drills

Svasatore
Deburrer

Maschio filettatore
Threading tap

Punta per preforo
con affilatura auto-centrante
Split point self-centering twist drill



MASCHI CON ATTACCO ESAGONALE 1/4" PER FILETTARE CON AVVITATORI E TRAPANI REVERSIBILI

Threading bits with 1/4" hex drive / Tarauds avec 6 pans de 1/4"

Machos a roscar con mango esagonal 1/4" / Einschnittgewindebohrer-bits

HSS-G

10210



	Ø	/	L	Hex	pcs	cod.
M	3 x 0,5	11	33	1/4	1	1021003x05
	4 x 0,7	12	35	1/4	1	1021004x07
	5 x 0,8	15	36	1/4	1	1021005x08
	6 x 1	18	39	1/4	1	1021006x1
	8 x 1,25	19	40	1/4	1	1021008x125
	10 x 1,5	21	41	1/4	1	1021010x15



PUNTA CON ATTACCO ESAGONALE 1/4" PER AVVITATORI E TRAPANI REVERSIBILI

Drill bits with 1/4" hexagon drive for power screwdrivers and cordless drills / Foret à queue 6 pans (1/4") adaptable sur perceuse-visseuse Broca con mango esagonal 1/4" para taladros y atornilladores portatiles / Spiralbohrer-Bits mit 1/4" sechskant-Aufnahme für akku-Bohrmaschinen und Handbohrermaschinen

HSS-G



Ø	L	/	Hex	pcs	cod.
1	32	7	1/4	1	102110100
1,5	32	10	1/4	1	102110150
2	34	12	1/4	1	102110200
2,5 (M3)	36	14	1/4	1	102110250
3	38	16	1/4	1	102110300
3,3 (M4)	40	18	1/4	1	102110330
3,5	40	18	1/4	1	102110350
4	44	20	1/4	1	102110400
4,2 (M5)	45	20	1/4	1	102110420
4,5	46	24	1/4	1	102110450
5 (M6)	50	26	1/4	1	102110500
5,5	50	26	1/4	1	102110550
6	50	26	1/4	1	102110600
6,5	50	30	1/4	1	102110650
6,8 (M8)	50	30	1/4	1	102110680
7	50	30	1/4	1	102110700
7,5	51	32	1/4	1	102110750
8	51	32	1/4	1	102110800
8,5 (M10)	53	33	1/4	1	102110850
9	53	33	1/4	1	102110900
9,5	54	38	1/4	1	102110950
10	54	38	1/4	1	102111000
10,2 (M12)	54	38	1/4	1	102111020

10211



SVASATORI A 90° CON ATTACCO ESAGONALE 1/4"

90° countersink with 1/4" hexagon shank / Fraise conique a 90° avec 6 pans de 1/4"
Avellanador a 90° con mango esagonal 1/4" / Kegelsenker-bits 90°, mit 1/4" sechskant-Aufnahme

HSS-G 90°



Ø	L	Hex	pcs	cod.
6,3	31	1/4	1	19001063
8,3	31	1/4	1	19001083
10,4	34	1/4	1	19001104
12,4	35	1/4	1	19001124
16,5	40	1/4	1	19001165
20,5	41	1/4	1	19001205

19001



Art. 19002 Self
Disponibile su richiesta / On demand

Applicazioni Applications

- Per forare e svasare acciaio R_s600 N/mm² leghe leggere, plastica.
- For cutting and countersink steel R_s600 N/mm², light alloys, plastics.
- Pour percer et évaser acier R_s600 N/mm² alliage léger, plastique.
- Para cortar y limpiar acero R_s600 N/mm², aleaciones ligeras, plástico
- Für Stahl mit R_s600 N/mm², Ne-Metalle, Kunststoffe

ØxL cod.



Magnetico
Magnetic

33x120 19001000



Industrial

SET DI UTENSILI CON ATTACCO ESAGONALE PER AVVITATORI E TRAPANI REVERSIBILI

1/4 hex bits sets for power screwdrivers and cordless drills / Outils coupants à queue 6 pans pour perceuse-visseuse

Juegos de utensilios de corte con mango esagonal para taladros y atornilladores portatiles / Bits mit 1/4" sechskant

Aufnahme Satz für akku-Bohrmaschinen

19020213



Cod.	Composizione Description
19020213 HSS-G	 M 3-4-5-6-8-10 10212
	 1 pc Magnetic 1/4" 41245100N

Disponibile anche la versione con utensile rivestito TiN cod. 19020209 **101,507 €**

On demand TiN coated tools cod. 19020209 **101,507 €**

19020210



Cod.	Composizione Description
19020210 HSS-G	 M 3-4-5-6-8-10 10210

19020212

Cod.	Composizione Description
19020212 HSS-G	 Ø 2,5-3,3-4,2 10211 5-6,8-8,5
	 M 3-4-5-6-8-10 10210

19020211



Cod.	Composizione Description
19020211 HSS-G	 Ø 1÷10x0,5 10211 19 pcs

19020214

Cod.	Composizione Description
19020214 HSS-G 90°	 Ø 6,3-8,3-10,4 19001 12,4-16,5-20,5

SET DI UTENSILI CON ATTACCO ESAGONALE PER AVVITATORI E TRAPANI REVERSIBILI

1/4 hex bits sets for power screwdrivers and cordless drills / Outils coupants à queue 6 pans pour perceuse-visseuse
Juegos de utensilios de corte con mango esagonal para taladros y atornilladores portatiles / Birs mit 1/4" sechs kant
Aufnahme Satz für akku-Bohrmaschinen

*19020218

*In esaurimento
To be discontinued



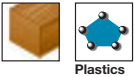
Cod.	Composizione Description			
19020218 HSS-G Ø 3÷10 19 pcs				
	3-4-5 6-8-10	6 Bits: 2xPH1 3xPH2 1xPH3	6 Torx Bits: T10 - T15 T20 - T25 T30 - T40	Non Magnetic Quick change 1/4



*19020219



Cod.	Composizione Description			
19020219 HSS-G Ø 3÷10 19 pcs				
	3-4-5 6-8-10	6 Bits: 2xPZ1 3xPZ2 1xPZ3	6 Torx Bits: T10 - T15 T20 - T25 T30 - T40	Non Magnetic Quick change 1/4



*19020216



Cod.	Composizione Description		
19020216 HSS-G M 3-4-5 6-8-10 8 pcs			
	M 3-4-5 6-8-10	Non Magnetic Quick change 1/4	Non Magnetic Quick change 1/4

Industrial

ASSORTIMENTI A FILETTARE IN HSS-G IN ASTUCCI DI METALLO E ABS

HSS-G threading sets in metal and plastics cases / Assortiments à fileter HSS-G en coffret métallique et plastique

Juegos de utensilios de roscar HSS-G en caja metálica y plástico / Gewindebohrersätze HSS-G in Metalkassette

HSS-G

M

17020401

17020402

17020404



Abs



Metal



Abs

Cod.	Composizione Description	
17020401 HSS-G	DIN 352 - 3 pcs M 3-4-5-6-8-10-12	
17020402 HSS-G	DIN 352 - 3 pcs M 3-4-5-6-8-10-12	 1.1/2 2,5-3,3-4,2-5-6,8 8,5-10,25
17020404 HSS-G	DIN 352 - 1 pc M 3-4-5-6-8-10-12	 1.1/2 2,5-3,3-4,2-5-6,8 8,5-10,25

COBALT

17020408

17020407



Abs



Metal

Cod.	Composizione Description	
17020408 HSS-CO	DIN 352 - 3 pcs M 3-4-5-6-8-10-12	
17020407 HSS-CO	DIN 352 - 3 pcs M 3-4-5-6-8-10-12	 1.1/2 2,5-3,3-4,2-5-6,8 8,5-10,25

HSS-G+TiN

17020414

17020415



Abs



Metal



Cod.	Composizione Description	
17020414 HSS-G+TiN	DIN 352 - 3 pcs M 3-4-5-6-8-10-12	
17020415 HSS-G+TiN	DIN 352 - 3 pcs M 3-4-5-6-8-10-12	 1.1/2 2,5-3,3-4,2-5-6,8 8,5-10,25

ASSORTIMENTI A FILETTARE IN HSS-G IN ASTUCCI DI PLASTICA RIGIDA

HSS-G threading sets / Assortiments à fileter HSS-G
Juegos de utensilios de roscar HSS-G / Gewindebohrersätze HSS-G

HSS-G Sinistri - Left hand - Gauche - Izquierda - Links

17020409



17020410



Cod.	Composizione Description	
17020409 HSS-G	 DIN 352 - 3 pcs M 3-4-5-6-8-10-12	
17020410 HSS-G	 DIN 352 - 3 pcs M 3-4-5-6-8-10-12	 1.1/2  HSS-G 2,5-3,3-4,2-5-6,8 8,5-10,25

Industrial

ASSORTIMENTI A FILETTARE IN HSS-G PER L'INDUSTRIA IN CASSETTA METALLICA

HSS-G threading sets in metal case / Assortiments à fileter HSS-G en coffret métallique

Juegos de utensilios a roscar HSS-G en caja metálica / Gewindebohrersätze HSS-G in Metalkassette

M

17020501 HSS-G



17020513 HSS-G+TiN



Cod.	Composizione Description		
17020501 M 3÷12 HSS-G 30 pcs	DIN 352 3 pcs	Ø 25	N° 1.1/2
17020513 M 3÷12 HSS-G+TiN 30 pcs	M 3-4-5-6-8-10-12		25x9

17020500 HSS-G



17020514 HSS-G+TiN



Cod.	Composizione Description		
17020500 M 3÷12 HSS-G 43 pcs	DIN 352 3 pcs	DIN 223	N° 1-2
17020514 M 3÷12 HSS-G+TiN 43 pcs	M 3-4-5-6-8-10-12		20x5-20x7-25x9 30x11-38x14
			Ø 2,5-3,3-4,2-5 6,8-8,5-10,25
			N° 1

17020506 HSS-CO



17020507 HSS-G

Sinistri - Left hand
Gauche - Izquierda - Links



Cod.	Composizione Description		
17020506 M 3÷12 HSS-CO 43 pcs	DIN 352 3 pcs	DIN 223	N° 1-2
17020507 SIN. M 3÷12 HSS-G 43 pcs	M 3-4-5-6-8-10-12		20x5-20x7-25x9 30x11-38x14
			Ø 2,5-3,3-4,2-5 6,8-8,5-10,25
			N° 1

ASSORTIMENTI A FILETTARE IN HSS-G PER L'INDUSTRIA

HSS-G threading sets / Assortiments à fileter HSS-G
Juegos de utensilios a roscar HSS-G / Gewindebohrersätze HSS-G

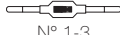
M



 Sinistri - Left hand
Gauche - Izquierda
Links

Cod.	Composizione Description	
17020503 M 3÷20 HSS-G	 DIN 352 3 pcs	 DIN 223  N° 1-3
17020508 M 3÷20 HSS-CO	M 3-4-5-6-8 10-12-14-16-18-20	 20x5-20x7-25x9 30x11-38x14-45x18  N° 1 - N° 2
17020509 SIN. M 3÷20 HSS-G		



Cod.	Composizione Description	
17020518 M 3÷20 HSS-G-TIN	 DIN 352 3 pcs	 DIN 223  N° 1-3
	M 3-4-5-6-8 10-12-14-16-18-20	 20x5-20x7-25x9 30x11-38x14-45x18  N° 1 - N° 2



Cod.	Composizione Description	
17020504 M 3÷24 HSS-G	 DIN 352 3 pcs	 DIN 223  N° 1-4
17020544 M 3÷24 HSS-CO	M 3-4-5-6-8-10-12 14-16-18-20-22-24	 20x5-20x7-25x9 30x11-38x14 45x18-55x22
17020505 M 5÷30 HSS-G	 DIN 352 3 pcs	 DIN 223  N° 1-3-5
	M 5-6-8-10-12-14 16-18-20-22-24 27-30	 20x7-25x9 30x11-38x14 45x18-55x22-65x25

Industrial

ASSORTIMENTI A FILETTARE IN HSS-G PER L'INDUSTRIA

HSS-G threading sets / Assortiments à fileter HSS-G

Juegos de utensilios de roscar HSS-G / Gewindebohrersätze HSS-G

M+MF



Legno / Wood

Cod.	Composizione Description	
17025513 M + MF 4÷14 HSS-G	 M 3 pcs MF 2 pcs M 4x0,7-5x0,8-6x1 8x1-8x1,25-10x1,25 10x1,5-12x1,25-12x1,5 12x1,75-14x1,5 14x2	 N° 1-3 25x9-38x14 N° 1
17025512 M + MF 3÷16 HSS-G	 M 3 pcs MF 2 pcs M 3x0,5-4x0,7-5x0,8-6x1 7x1-8x1-8x1,25-10x1,25 10x1,5-12x1,25-12x1,5 12x1,75-14x1,25-14x1,5 14x2-16x1,5-16x2	 N° 1-3 20x5-20x7-25x9-30x1-38x10-38x14-45x14-45x18 N° 1
17025511 M + MF 2÷18 HSS-G	 M 3 pcs MF 2 pcs M 2x0,4-3x0,5-4x0,7 5x0,8-6x1-7x1-8x1 8x1,25-10x1-10x1,25 10x1,5-12x1,25-12x1,5 12x1,75-14x1,25 14x1,5-14x2-16x1,5 16x2-18x1,5	 N° 1-3 25x9-38x14 N° 1
FIAT HSS-G <i>special for automotive</i> 20 passi Thread		
17012600	FIAT HSS 35 passi Thread	319

MF



Metallo / Metal

Cod.	Composizione Description	
17020524 MF 3÷20 HSS-G	 2 pcs MF 3x0,35-4x0,5-5x0,75 6x0,75-8x1-10x1,25 12x1,5-14x1,5-16x1,5 18x1,5-20x1,5	 N° 1-3 20x5-20x7 25x9-30x11 38x10-45x14
17020510 MF 6÷20 HSS-G	 2 pcs MF 6x0,75-8x0,75-8x1 10x1-12x1-12x1,5 14x1,25-14x1,5-16x1,5 18x1,5-20x1,5	 N° 1-3 20x7-25x9 30x11-38x10-45x14
17020511 MF 6÷24 HSS-G	 2 pcs MF 6x0,75-8x0,75-8x1 10x1-12x1-12x1,5 14x1,25-14x1,5-16x1,5 18x1,5-20x1,5-22x1,5 24x1,5	 N° 1-4 20x7-25x9 30x11-38x10-45x14 55x16

ASSORTIMENTI A FILETTARE IN HSS-G PER L'INDUSTRIA

HSS-G threading sets / Assortiments à fileter HSS-G

Juegos de utensilios a roscar HSS-G / Gewindebohrersätze HSS-G

BSP



Legno / Wood

*Metallo / Metal



Sinistri - Left hand
Gauche - Izquierda
Links

Cod.	Composizione Description	
17025615 G 1/8÷1" HSS-G	2 pcs 1/8-1/4-3/8 1/2-3/4-1"	N° 1-3-5 30x11-38x10-45x14 55x16-65x18
*17025614 G 1/8÷1" HSS-G	2 pcs 1/8-1/4-3/8 1/2-5/8-3/4-7/8-1"	N° 1-3-5 30x11-38x10-45x14 55x16-65x18
17025616 G 1/4÷1.1/2 HSS-G	2 pcs 1/4-3/8-1/2 3/4-1"-1.1/4-1.1/2	N° 2-4-7 38x10-45x14-55x16 65x18-75x20-90x22
17025617 G 1/8÷1" HSS-CO	2 pcs 1/8-1/4-3/8 1/2-3/4-1"	N° 1-3-5 30x11-38x10-45x14 55x16-65x18
17025618 SIN. G 1/8÷1" HSS-G	2 pcs 1/8-1/4-3/8 1/2-3/4-1"	N° 1-3-5 30x11-38x10-45x14 55x16-65x18

BSPT



Legno / Wood

Cod.	Composizione Description	
17025628 Rc 1/8÷1" HSS-G	1 pc 1/8-1/4-3/8 1/2-3/4-1"	N° 1-3-5 30x11-38x14-45x18 55x22-65x25
17025629 Rc 1/4÷1.1/2 HSS-G	1 pc 1/4-3/8-1/2 3/4-1"-1.1/4-1.1/2	N° 2-4-7 38x14-45x18-55x22 65x25-75x30-90x36

NPT



Legno / Wood

Cod.	Composizione Description	
17025635 NPT 1/8÷1" HSS-G	1 pc 1/8-1/4-3/8 1/2-3/4-1"	N° 1-3-5 30x11-38x14-45x18 55x22-65x25
17020636 NPT 1/8÷2" HSS-G	1 pc 1/8-1/4-3/8-1/2 3/4-1"-1.1/4-1.1/2-2"	N° 2-4-7 30x11-38x14-45x14 45x18-55x22-65x25 75x30-90x36-105x36

Industrial

ASSORTIMENTI A FILETTARE IN HSS-G PER L'INDUSTRIA

HSS-G threading sets / Assortiments à fileter HSS-G

Juegos de utensilios de roscar HSS-G / Gewindebohrersätze HSS-G

M+MF



Legno / Wood

***Metallo / Metal**

Cod.	Composizione Description	
*17025619 BSW 1/8÷1/2 HSS-G	3 pcs 1/8-3/16-1/4-5/16 3/8-7/16-1/2	N° 1-2 20x5-20x7-25x9 30x11-38x14 N° 1
17025620 BSW 1/4÷3/4 HSS-G	3 pcs 1/4-5/16-3/8-7/16-1/2 9/16-5/8-3/4	N° 1-3 20x7-25x9-30x11 38x14-45x18
17025621 BSW 1/4÷1" HSS-G	3 pcs 1/4-5/16-3/8-7/16 1/2-5/8-3/4-7/8-1"	N° 1-4 20x7-25x9-30x11 38x14-45x18-55x22
17025622 BSW 1/4÷1.1/2 HSS-G	3 pcs 1/4-5/16-3/8-7/16-1/2 5/8-3/4-7/8-1"-1.1/8 1.1/4-1.3/8-1.1/2	N° 1-3-6 20x7-25x9-30x11 38x14-45x18 55x22-65x25

BSF



Legno / Wood

Cod.	Composizione Description	
17025630 BSF 1/4÷3/4 HSS-G	2 pcs 1/4-5/16-3/8 7/16-1/2-5/8-3/4	N° 1-3 20x7-25x9-30x11 38x10-45x14
17025631 BSF 1/4÷1" HSS-G	2 pcs 1/4-5/16-3/8-7/16 1/2-5/8-3/4-7/8-1"	N° 1-4 20x7-25x9-30x11 38x10-45x14-55x22

COMBI BSW+BSF

***Metallo / Metal**

Cod.	Composizione Description	
*17020523 BSW+BSF 1/4÷3/4 HSS-G	BSW 3 pcs BSF 2 pcs 1/4-5/16-3/8-7/16 1/2-5/8-3/4	N° 1-3 20x7-25x9-30x11 38x14-45x18

ASSORTIMENTI A FILETTARE IN HSS-G PER L'INDUSTRIA

HSS-G threading sets / Assortiments à fileter HSS-G

Juegos de utensilios de roscar HSS-G / Gewindebohrersätze HSS-G

UNC



Legno / Wood

*Metallo / Metal

Cod.	Composizione Description	
*17020528 UNC 1/4÷1/2 HSS-G	 3 pcs 1/4-5/16-3/8-7/16-1/2	 N° 1-2
		 20x7-25x9 30x11-38x14
17020525 UNC 1/4÷3/4 HSS-G	 3 pcs 1/4-5/16-3/8-7/16 1/2-5/8-3/4	 N° 1-3
		 20x7-25x9 30x11-38x14-45x18
17020526 UNC 1/4÷1" HSS-G	 3 pcs 1/4-5/16-3/8-7/16- 1/2-5/8-3/4-7/8-1"	 N° 1-4
		 20x7-25x9-30x11 38x14-45x18-55x22
17020527 UNC 1/4÷1.1/2 HSS-G	 3 pcs 1/4-5/16-3/8-7/16-1/2 5/8-3/4-7/8-1"-1.1/8 1.1/4-1.3/8-1.1/2	 N° 1-3-6
		 20x7-25x9-30x11 38x14-45x18 55x22-65x25

UNF



Cod.	Composizione Description	
17020530 UNF 1/4÷3/4 HSS-G	 2 pcs 1/4-5/16-3/8 7/16-1/2-5/8-3/4	 N° 1-3
		 20x7-25x9-30x11 38x10-45x14
17020531 UNF 1/4÷1" HSS-G	 2 pcs 1/4-5/16-3/8-7/16 1/2-5/8-3/4-7/8-1"	 N° 1-4
		 20x7-25x9-30x11 38x10-45x14-55x16
17020532 UNF 1/4÷1.1/2 HSS-G	 2 pcs 1/4-5/16-3/8-7/16-1/2 5/8-3/4-7/8-1"-1.1/8 1.1/4-1.3/8-1.1/2	 N° 1-3-6
		 20x7-25x9-30x11 38x14-45x14 55x16-65x18

COMBI UNC+UNF

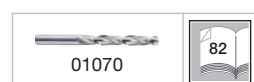
Cod.	Composizione Description	
17020533 UNC+UNF 1/4÷3/4 HSS-G	 UNC 3 pcs UNF 2 pcs 1/4-5/16-3/8 7/16-1/2-5/8-3/4	 N° 1-3
		 20x7-25x9-30x11 38x14-45x18

KIT PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE

Thread repair kit - Trousse pour rétablir taraudages endommagés

Juego para reparar rosca dañada - Gewinde-reparatur-Sätze

10600



Metric

M

	Ø				1,5 d pcs	cod.
M	2 x 0,4	2,1 mm	N° 2	N° 2	20	10600098
	2,5 x 0,45	2,6 mm	3	3	20	10600099
	3 x 0,5	3,2 mm	4	4	20	10600100
	3,5 x 0,6	3,7 mm	5	5	20	10600101
	4 x 0,7	4,2 mm	6	6	20	10600102
	5 x 0,8	5,2 mm	8	8	20	10600103
	6 x 1	6,3 mm	9	9	20	10600104
	7 x 1	7,3 mm	10	11	20	10600105
	8 x 1,25	8,3 mm	11	11	20	10600106
	8 x 1	8,3 mm	11	11	20	10600107
	9 x 1,25	9,3 mm	12	12	15	10600108
	10 x 1,5	10,4 mm	13	13	15	10600109
	10 x 1,25	10,3 mm	13	13	15	10600110
	10 x 1	10,3 mm	13	13	15	10600111
	11 x 1,5	11,4 mm	14	14	10	10600112
	12 x 1,75	12,4 mm	15	15	10	10600113
	12 x 1,5	12,4 mm	15	15	10	10600114
	12 x 1,25	12,3 mm	15	15	10	10600115
	12 x 1	12,3 mm	15	15	10	10600116
	14 x 2		16		10	10600117
	14 x 1,5		16		10	10600118
	14 x 1,25		17		10	10600119
	14 x 1		17		10	10600120
	16 x 2		18		10	10600121
	16 x 1,5		18		10	10600122
	18 x 2,5		20		5	10600123
	18 x 2		20		5	10600124
	18 x 1,5		20		5	10600125
	20 x 2,5		21		5	10600126
	20 x 2		21		5	10600127
	20 x 1,5		21		5	10600128
	22 x 2,5		22		5	10600129
	22 x 2		22		5	10600130
	22 x 1,5		22		5	10600131
	24 x 3		23		5	10600132
	24 x 2		23		5	10600133
	24 x 1,5		23		5	10600134

		pcs	1,5 d pcs	cod.
M	26 x 1,5	1	10	10600135
	27 x 3	1	10	10600136
	27 x 2	1	10	10600137
	27 x 1,5	1	10	10600138
	28 x 1,5	1	10	10600139
	30 x 3,5	1	10	10600140
	30 x 2	1	10	10600141
	30 x 1,5	1	10	10600142
	33 x 3,5	1	10	10600143
	33 x 2	1	10	10600144
	36 x 4	1	10	10600145
	36 x 3	1	10	10600146
	36 x 2	1	10	10600147
	36 x 1,5	1	10	10600148

Filetto danneggiato
Damaged thread



KIT PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE, SPECIALE PER CANDELE

Thread repair kit, special for spark plugs - Trousse pour rétablir les taraudages endommagés, spécial pour bougies

Juego para reparar roscas dañadas, especial para las roscas de las bujías - Gewindereparatur-Satz für Kerzen

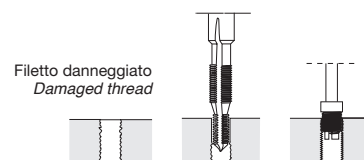


10631



Metric

Cod.	Composizione Description				
10631100	STI		8,40 pcs	12,40 pcs	16,40 pcs
	M 14 x 1,25	N° 17	5	5	5



Ricambi - Spare parts

Filetto Thread	L	pcs	cod.
M 14 x 1,25	8,4	50	1060614x12508
14 x 1,25	12,4	50	1060614x12512
14 x 1,25	16,4	50	1060614x12516



Cod.	Composizione Description		
	STI		1,5 d pcs
10631115	M 12 x 1,25	N° 15	10
10631114	10 x 1,5	N° 13	10
10631113	10 x 1,25	N° 13	10
10631112	10 x 1	N° 13	10
10631111	8 x 1,25	N° 11	10
10631110	6 x 1	N° 9	10

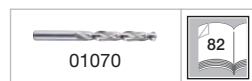


KIT PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE

Thread repair kit - Trousse pour rétablir taraudages endommagés

Juego para reparar rosca dañada - Gewinde-reparatur-Sätze

10600



10605



BSW

				 1,5 d pcs	cod.
1/8 x 40	3,4 mm	N° 4	N° 4	20	10600168
3/16 x 24	5,0 mm	8	8	20	10600169
1/4 x 20	6,7 mm	9	9	20	10600170
5/16 x 18	8,3 mm	10	11	20	10600171
3/8 x 16	9,9 mm	12	12	15	10600172
7/16 x 14	11,5 mm	14	14	10	10600173
1/2 x 12	13,0 mm	15	15	10	10600174
9/16 x 12		16		10	10600175
5/8 x 11		18		10	10600176
3/4 x 10		20		5	10600177
7/8 x 9		22		5	10600178
1" x 8		23		4	10600179

BSF

Ø					1,5 d pcs	cod.
						
3/16 x 32	5,0 mm	N° 7	N° 6	20	10600185	
1/4 x 26	6,6 mm	9	9	20	10600180	
5/16 x 22	8,3 mm	11	11	20	10600181	
3/8 x 20	9,9 mm	13	13	15	10600182	
7/16 x 18	11,5 mm	14	14	10	10600183	
1/2 x 16	13,0 mm	15	15	10	10600184	
9/16 x 16		16		10	10600186	
5/8 x 14		18		10	10600187	
3/4 x 12		20		5	10600188	
7/8 x 11		22		5	10600189	
1" x 10		23		4	10600190	

BSP

		 1,5 d	cod.	
pcs	pcs	pcs		
G 1/8 x 28	1	10	10600191	
1/4 x 19	1	10	10600192	
3/8 x 19	1	10	10600193	
1/2 x 14	1	10	10600194	
5/8 x 14	1	10	10600195	
3/4 x 14	1	10	10600196	
7/8 x 14	1	10	10600197	
1" x 11	1	10	10600198	

Assortimenti - Sets

BSW-BSF

BSW 1/4-1/2

1/4 x 20	6,7 mm	N° 9	9	25	10605105
5/16 x 18	8,3 mm	10	11	25	
3/8 x 16	9,9 mm	12	12	25	
7/16 x 14	11,5 mm	14	14	10	
1/2 x 12	13,0 mm	15	15	10	

BSF 1/4-1/2

1/4 x 26	6,6 mm	N° 9	9	25	10605106
5/16 x 22	8,3 mm	11	11	25	
3/8 x 20	9,9 mm	12	12	25	
7/16 x 18	11,5 mm	14	14	10	
1/2 x 16	13,0 mm	15	15	10	

KIT PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE

Thread repair kit - Trousse pour rétablir taraudages endommagés

Juego para reparar rosca dañada - Gewinde-reparatur-Sätze

10600



10605



UNC

						cod.	
No.	Ø				pcs		
6 x 32	3,8 mm	N° 5	N° 5	20	106001481		
8 x 32	4,4 mm	6	6	20	10600149		
10 x 24	5,2 mm	7	6	20	106001490		
12 x 24	5,8 mm	8	8	20	106001491		
UNC 1/4 x 20	6,7 mm	9	9	20	10600150		
5/16 x 18	8,3 mm	10	10	20	10600151		
3/8 x 16	9,9 mm	12	12	15	10600152		
7/16 x 14	11,6 mm	14	14	10	10600153		
1/2 x 13	13,0 mm	15	15	10	10600154		
9/16 x 12		16		10	10600155		
5/8 x 11		18		10	10600156		
3/4 x 10		20		5	10600157		
7/8 x 9		22		5	10600158		
1" x 8		23		4	10600159		

				cod.	
		pcs	pcs		
UNC 1.1/8 x 7		1	10	106001590	
1.1/4 x 7		1	10	106001591	
1.1/2 x 6		1	10	106001592	

UNF

						cod.	
No.	Ø				pcs		
6 x 40	3,8 mm	N° 5	N° 5	20	106001597		
8 x 36	4,4 mm	6	6	20	106001598		
10 x 32	5,1 mm	8	8	20	106001599		
UNF 1/4 x 28	6,7 mm	9	9	20	10600160		
5/16 x 24	8,3 mm	11	11	20	10600161		
3/8 x 24	9,8 mm	13	13	15	10600162		
7/16 x 20	11,5 mm	14	14	10	10600163		
1/2 x 20	13,0 mm	15	15	10	10600164		
9/16 x 18		16		10	10600165		
5/8 x 18		18		10	10600166		
3/4 x 16		21		5	10600167		
7/8 x 14		22		5	106001670		
1" x 12		23		4	106001671		

				cod.	
		pcs	pcs		
UNF 1.1/8 x 12		1	10	106001672	
1.1/4 x 12		1	10	106001673	
1.1/2 x 12		1	10	106001674	

Assortimenti - Sets

UNC-UNF

UNC 1/4-1/2						
1/4	x 20	6,7 mm	N° 9	9	25	10605103
5/16	x 18	8,3 mm	10	11	25	
3/8	x 16	9,9 mm	12	12	25	
7/16	x 14	11,5 mm	14	14	10	
1/2	x 13	13,0 mm	15	15	10	
UNF 1/4-1/2						
1/4	x 28	6,7 mm	N° 9	9	25	10605104
5/16	x 24	8,3 mm	11	11	25	
3/8	x 24	9,8 mm	13	13	25	
7/16	x 20	11,5 mm	14	14	10	
1/2	x 20	13,0 mm	15	15	10	

ASSORTIMENTO PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE

Thread repair workshops kit - Trousse pour rétablir taraudages endommagée

Juego para reparar rosca dañada - Gewinde-reparatur-Sortimente

Metric

10605



Ø					1,5 d pcs	cod.
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M5-M12

5 x 0,8	5,2 mm	N° 8	N° 8	25	10605100
6 x 1	6,3 mm	9	9	25	
8 x 1,25	8,3 mm	11	11	25	
10 x 1,5	10,4 mm	13	13	25	
12 x 1,75	12,4 mm	15	15	10	

M6-M14x1,25

6 x 1	6,3 mm	9	9	25	10605101
8 x 1,25	8,3 mm	11	11	25	
10 x 1,5	10,4 mm	13	13	25	
12 x 1,75	12,4 mm	15	15	10	
14 x 1,25		17		10	

M6-M14x1,25

6 x 1	6,3 mm	9	9	25	10605102
8 x 1,25	8,3 mm	11	11	25	
10 x 1,5	10,4 mm	13	13	25	
12 x 1,75	12,4 mm	15	15	10	
*14 x 1,25		17		10	

Ø					1,5 d pcs	cod.
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M6-M10

6 x 1	6,3 mm	9	9	25	10605099
8 x 1,25	8,3 mm	11	11	25	
10 x 1,5	10,4 mm	13	13	25	



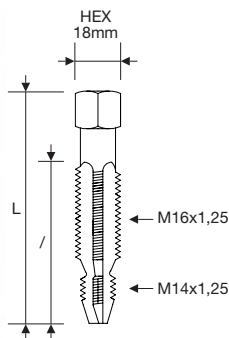
KIT PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE, SPECIALE PER CANDELE E CANDELETTE

Thread repair kit, special for spark plugs and glow plugs - Trousse pour rétablir les taraudages endommagés, spécial pour bougies

Juego para reparar roscas dañadas, especial para las roscas de las bujías - Gewindereparatur-Satz für Kerzen

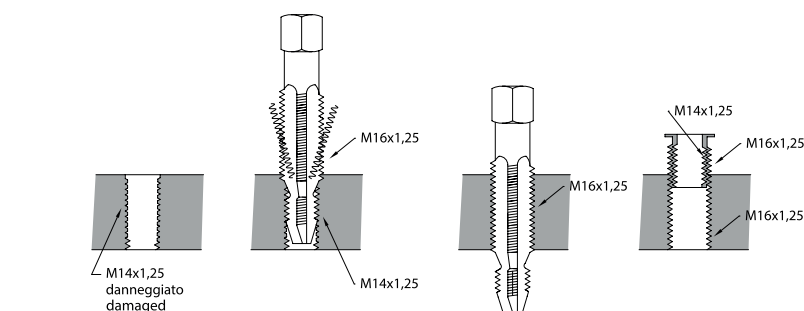


10631130



Speciale per candele M14X1,25 - Special for spark plugs M14x1,25

Ø	9,5 mm	11,2 mm	12,7 mm	17,5 mm	cod.
	pcs	pcs	pcs	pcs	
M 16x1,25	4	4	4	4	10631130



Inserto solido
Solid thread insert

Ricambi - Spare parts

Maschio combinato - Combined tap

Ø	L	/	pcs	cod.
M 16x1,25	70	41	1	1062616x125

Inserto solido - Solid insert

Ø	mm	pcs	cod.
M 14x1,25	9,5	50	1062714x12509
M 14x1,25	11,2	50	1062714x12511
M 14x1,25	12,7	50	1062714x12512
M 14x1,25	17,5	50	1062714x12517

10631205



Abs

Inserto solido
Solid thread insert

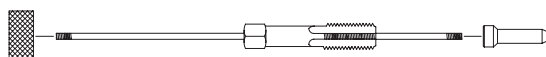
Speciale per candelette 8-10-12 mm - Special for glow plugs 8-10-12 mm

Metric

Ø	12 mm	cod.
	pcs	
M 8x1 - M 10x1,25	M 8x1 - M 10x1	
M 12x1 - M 12x1,25 - M 14x1,25	M 10x1,25 - M 12x1	10631205

Il set contiene un'asta di montaggio, con relativa impugnatura, 3 tappi e 2 utensili inseritori.

This set contains 1 insert fitting rod, its grip handle, 3 plug end blanks and 2 insert fitting tools.



INSERTI FILETTATI IN ACCIAIO INOX PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE

Wire-thread insert in stainless steel / Ressorts filetés en acier inoxydable pour le rétablissement des filets endommagés

Inserto roscado para sustituir rosca dañada / Gewinde Einsätze aus rostfreiem Stahl



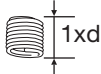
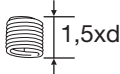
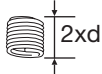
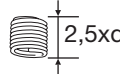
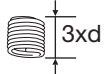
K-COIL

DIN 8140 - ISO 2/6H

Acciaio inox austenitico 18/8 (A2 - AISI304)- Austenitic stainless steel

M

10606

							
			cod.	cod.	cod.	cod.	cod.
Filetto Thread	pcs						
M 2 x 0,4	100		10606102x04	1060602x04	10606202x04	106062502X04	10606302x04
2,2 x 0,45	100		106061022x045	10606022x045	106062022x045	1060625022X04	106063022x045
2,5 x 0,45	100		106061025x045	10606025x045	106062025x045	1060625025X04	106063025x045
3 x 0,5	100		10606103x05	1060603x05	10606203x05	106062503X05	10606303x05
3,5 x 0,6	100		106061035x06	10606035x06	106062035x06	1060625035X06	106063035x06
4 x 0,7	100		10606104x07	1060604x07	10606204x07	106062504X07	10606304x07
5 x 0,8	100		10606105x08	1060605x08	10606205x08	106062505X08	10606305x08
6 x 1	100		10606106x1	1060606x1	10606206x1	106062506X1	10606306x1
7 x 1	100		10606107x1	1060607x1	10606207x1	106062507X1	10606307x1
8 x 1,25	100		10606108x125	1060608x125	10606208x125	106062508X125	10606308x125
8 x 1	100		10606108x1	1060608x1	10606208x1	106062508X1	10606308x1
9 x 1,25	100		10606109x125	1060609x125	10606209x125	106062509X125	10606309x125
10 x 1,5	100		10606110x15	1060610x15	10606210x15	106062510X15	10606310x15
10 x 1,25	100		10606110x125	1060610x125	10606210x125	106062510X125	10606310x125
10 x 1	100		10606110x1	1060610x1	10606210x1	106062510X1	10606310x1
11 x 1,5	100		10606111x15	1060611x15	10606211x15	-	-
12 x 1,75	100		10606112x175	1060612x175	10606212x175	106062512X175	10606312x175
12 x 1,5	100		10606112x15	1060612x15	10606212x15	106062512X15	10606312x15
12 x 1,25	100		10606112x125	1060612x125	10606212x125	106062512X125	10606312x125
12 x 1	100		10606112x1	1060612x1	10606212x1	106062512X1	10606312x1
14 x 2	50		10606114x2	1060614x2	10606214x2	106062514X2	10606314x2
14 x 1,5	50		10606114x15	1060614x15	10606214x15	106062514X15	10606314x15
14 x 1,25	50		10606114x125	1060614x125	10606214x125	106062514X125	10606314x125
14 x 1	50		10606114x1	1060614x1	10606214x1	106062514X1	10606314x1
16 x 2	50		10606116x2	1060616x2	10606216x2	106062516X2	10606316x2
16 x 1,5	50		10606116x15	1060616x15	10606216x15	106062516X15	10606316x15
18 x 2,5	25		10606118x25	1060618x25	10606218x25	106062518X25	10606318x25
18 x 2	25		10606118x2	1060618x2	10606218x2	106062518X2	10606318x2
18 x 1,5	25		10606118x15	1060618x15	10606218x15	106062518X15	10606318x15
20 x 2,5	25		10606120x25	1060620x25	10606220x25	106062520X25	10606320x25
20 x 2	25		10606120x2	1060620x2	10606220x2	106062520X2	10606320x2
20 x 1,5	25		10606120x15	1060620x15	10606220x15	106062520X15	10606320x15
22 x 2,5	10		10606122x25	1060622x25	10606222x25	106062522X25	10606322x25
22 x 2	10		10606122x2	1060622x2	10606222x2	106062522X2	10606322x2
22 x 1,5	10		10606122x15	1060622x15	10606222x15	106062522X15	10606322x15
24 x 3	10		10606124x3	1060624x3	10606224x3	106062524X3	10606324x3
24 x 2	10		10606124x2	1060624x2	10606224x2	106062524X2	10606324x2
24 x 1,5	10		10606124x15	1060624x15	10606224x15	106062524X15	10606324x15
26 x 1,5	5	-		1060626x15	-		
27 x 3	5	-		1060627x3	-		
27 x 2	5	-		1060627x2	-		
27 x 1,5	5	-		1060627x15	-		
28 x 1,5	5	-		1060628x15	-		
30 x 3,5	5	-		1060630x35	-		
30 x 2	5	-		1060630x2	-		
30 x 1,5	5	-		1060630x15	-		
33 x 3,5	5	-		1060633x35	-		
33 x 2	5	-		1060633x2	-		
36 x 4	5	-		1060636x4	-		
36 x 3	5	-		1060636x3	-		
36 x 2	5	-		1060636x2	-		
36 x 1,5	5	-		1060636x15	-		

Nota: la misura è riferita all'inserto posizionato nella sua sede
Note: the coil length refers to the tool mounted inside its site



1xd



1,5xd



INSERTI FILETTATI AUTOBLOCCANTI IN ACCIAIO INOX PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE

Stainless steel wire thread inserts, screw self-locking to renew damaged threads / Ressorts filetés en acier inoxydable autobloquants pour le retablir filets endommagés / Inserto roscado, autoblocante in acero inoxidable para sustituir rosca dañada / Selbstsperrend Gewinde Einsätze aus rostfreiem Stahl

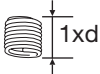
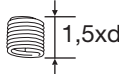
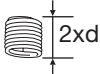
DIN 8140 - ISO 2/6H

Acciaio inox austenitico 18/8 (A2 - AISI304)- Austenitic stainless steel

M

10625



					
	Filetto Thread	pcs 	cod.	cod.	cod.
M	3 x 0,5	100	10625103x05	1062503x05	10625203x05
	4 x 0,7	100	10625104x07	1062504x07	10625204x07
	5 x 0,8	100	10625105x08	1062505x08	10625205x08
	6 x 1	100	10625106x1	1062506x1	10625206x1
	8 x 1,25	100	10625108x125	1062508x125	10625208x125
	10 x 1,5	100	10625110x15	1062510x15	10625210x15
	12 x 1,75	100	10625112x175	1062512x175	10625212x175
	14 x 2	50	10625114x2	1062514x2	10625214x2
	16 x 2	50	10625116x2	1062516x2	10625216x2

Consigli d'uso / Use tips

Si consiglia l'utilizzo di inserti autobloccanti nel caso di sollecitazioni cicliche del filetto o della necessità di una particolare resistenza agli impatti. Si consiglia inoltre l'uso con viti nichelate o ben lubrificate. L'inserto autobloccante è dotato di alcune spire poligonali inserite tra le spire circolari per tutta la sua lunghezza: tali spire poligonali esercitano una pressione radiale maggiore sulla vite inserita nell'inserto funzionando da bloccaggio. Rimuovendo la vite, le spire poligonali tornano nella loro forma originale garantendo un ottimo livello di pressione radiale per una serie di avviture/svitature successive.

Screw locking inserts are of particular value in applications subject to the effects of cyclic vibration or impact. The prevailing locking torque they assure is achieved by the action of one or more polygonal grip coils positioned within the insert's length, which exert radial pressure on the male thread. As the male thread passes through these grip coils, the locking flats are displaced thus exerting radial pressure or prevailing torque on the male thread. When removing the male thread, the locking coils relax to their original form permitting repeated assembly while retaining a measurable level of prevailing torque. Please use only close fit plated or lubricated bolts or screws with the screw locking inserts.

Les filets rapportés à frein de vis sont extrêmement utiles pour les applications sujettes aux effets provoqués par les vibrations cycliques ou les chocs. Ils offrent une sécurité supplémentaire avec le couple de freinage permanent. Ceci est accompli par la pression radiale exercée sur le filetage extérieur par une ou plusieurs spires à déformation polygonale positionnées sur la longueur du filet rapporté. Tandis que le filetage extérieur passe à travers ces spires déformées, les vis à tête plate sont déplacées, exerçant ainsi une pression radiale ou couple permanent sur le filetage extérieur. Lorsque le filetage extérieur est retiré, les spires de freinage débandent pour atteindre leur forme originale, permettant des assemblages répétés tout en conservant un niveau mesurable de couple permanent. Il est recommandé que seuls des boulons ou vis lubrifiés ou à tête plate à ajustement serré soient utilisés avec les filets rapportés à frein de vis.

El inserto autoblocante está especialmente indicado en aplicaciones sujetas a vibración cíclica o impactos. Los insertos autoblocantes ofrecen una seguridad adicional por su auto freno interno que lo hace más efectivo. Esto se consigue gracias a la acción de uno a varios hilos poligonales de la rosca del inserto posicionados a lo largo mismo, que ejercen presión radial o freno efectivo en la rosca del tornillo. En la medida en que la rosca pasa a través de estos hilos de seguridad, los dispositivos se expanden aplicando gradualmente presión radial o freno efectivo en la rosca del tornillo. Al retirar el tornillo roscado, los hilos de seguridad relajan su expansión a su forma original permitiendo repetir el roscado del tornillo y manteniendo su nivel de presión radial de seguridad. Se recomienda que solamente se utilicen tornillos niquelados o bien lubricados, con los insertos de seguridad.

Industrial

INSERTI FILETTATI IN ACCIAIO INOX PER IL RIPRISTINO DELLE FILETTATURE DANNEGGIATE

Wire-thread insert in stainless steel / Ressorts filetés en acier inoxydable pour le retablissement des filets endommagés

Inserto roscado para sustituir rosca dañada / Gewinde Einsätze aus rostfreiem Stahl



K-COIL
Acciaio inox
austenitico 18/8
Austenitic stainless
steel 18/8

DIN 8140 - ISO 2/6H

10607

UNC

	Ø	pcs	cod.
			1,5 d
No.	8 x 32	100	10607N08
	10 x 24	100	10607N10
	12 x 24	100	10607N12
UNC	1/4 x 20	100	106071/4
	5/16 x 18	100	106075/16
	3/8 x 16	100	106073/8
	7/16 x 14	100	106077/16
	1/2 x 13	100	106071/2
	9/16 x 12	50	106079/16
	5/8 x 11	50	106075/8
	3/4 x 10	25	106073/4
	7/8 x 9	10	106077/8
	1" x 8	10	106071"
	1.1/8 x 7	5	106071.1/8
	1.1/4 x 7	5	106071.1/4
	1.1/2 x 6	5	106071.1/2

10608

UNF

	Ø	pcs	cod.
			1,5 d
No.	8 x 36	100	10608N08
	10 x 32	100	10608N10
UNF	1/4 x 28	100	106081/4
	5/16 x 24	100	106085/16
	3/8 x 24	100	106083/8
	7/16 x 20	100	106087/16
	1/2 x 20	100	106081/2
	9/16 x 18	50	106089/16
	5/8 x 18	50	106085/8
	3/4 x 16	25	106083/4
	7/8 x 14	10	106087/8
	1" x 12	10	106081"
	1.1/8 x 12	5	106081.1/8
	1.1/4 x 12	5	106081.1/4
	1.1/2 x 12	5	106081.1/2

10609

BSW

	Ø	pcs	cod.
			1,5 d
	1/8 x 40	100	106091/8
	3/16 x 24	100	106093/16
	1/4 x 20	100	106091/4
	5/16 x 18	100	106095/16
	3/8 x 16	100	106093/8
	7/16 x 14	100	106097/16
	1/2 x 12	100	106091/2
	9/16 x 12	50	106099/16
	5/8 x 11	50	106095/8
	3/4 x 10	25	106093/4
	7/8 x 9	10	106097/8
	1" x 8	10	106091"

10610

BSF

	Ø	pcs	cod.
			1,5 d
	3/16 x 32	100	106103/16
	1/4 x 26	100	106101/4
	5/16 x 22	100	106105/16
	3/8 x 20	100	106103/8
	7/16 x 18	100	106107/16
	1/2 x 16	100	106101/2
	9/16 x 16	50	106109/16
	5/8 x 14	50	106105/8
	3/4 x 12	25	106103/4
	7/8 x 11	10	106107/8
	1" x 10	10	106101"

10604

BSP

	Ø	pcs	cod.
			1,5 d
G	1/8 x 28	50	106041/8
	1/4 x 19	50	106041/4
	3/8 x 19	50	106043/8
	1/2 x 14	50	106041/2
	5/8 x 14	5	106045/8
	3/4 x 14	5	106043/4
	7/8 x 14	5	106047/8
	1" x 11	5	106041"

MASCHI **STI** PER L'INSERIMENTO DI INSERTI FILETTATI K-COIL ISO 2

STI taps for wire thread inserts ISO 2 / Tarauds STI pour l'insertion des ressorts filetés ISO 2

Machos STI para la inserción de filetes ISO 2 / Gewindebohrer STI für gewinde Einsätze ISO 2

10612
HSS-G

M

10612
HSS-G

M



FORM D ISO 1/4H

Ø	cod.
---	------

M	2 x 0,4	1061202X04
	2,5 x 0,45	10612025X045
	3 x 0,5	1061203X05
	3,5 x 0,6	10612035X06
	4 x 0,7	1061204X07
	5 x 0,8	1061205X08
	6 x 1	1061206X1
	7 x 1	1061207X1
	8 x 1,25	1061208X125
	8 x 1	1061208X1
	9 x 1,25	1061209X125
	10 x 1,5	1061210X15
	10 x 1,25	1061210X125
	10 x 1	1061210X1
	11 x 1,5	1061211X15
	12 x 1,75	1061212X175
	12 x 1,5	1061212X15
	12 x 1,25	1061212X125
	12 x 1	1061212X1
	14 x 2	1061214X2
	14 x 1,5	1061214X15
	14 x 1,25	1061214X125
	14 x 1	1061214X1
	16 x 2	1061216X2
	16 x 1,5	1061216X15
	18 x 2,5	1061218X25
	18 x 2	1061218X2
	18 x 1,5	1061218X15
	20 x 2,5	1061220X25
	20 x 2	1061220X2
	20 x 1,5	1061220X15
	22 x 2,5	1061222X25
	22 x 2	1061222X2
	22 x 1,5	1061222X15
	24 x 3	1061224X3
	24 x 2	1061224X2
	24 x 1,5	1061224X15

2 pcs set



ISO 1/4H

Ø	cod.
---	------

M	26 x 1,5	1061226X15
	27 x 3	1061227X3
	27 x 2	1061227X2
	27 x 1,5	1061227X15
	28 x 1,5	1061228X15
	30 x 3,5	1061230X35
	30 x 2	1061230X2
	30 x 1,5	1061230X15
	33 x 3,5	1061233X35
	33 x 2	1061233X2
	36 x 4	1061236X4
	36 x 3	1061236X3
	36 x 2	1061236X2
	36 x 1,5	1061236X15

MASCHIO **COMBI** PER L'INSERIMENTO DI INSERTI FILETTATI ISO 2 - **SPECIALE PER CANDELE**

Spark plug taps with pilot nose for wire thread insert ISO 2 / Tarauds indique pour bugies ISO 2

Machos indicado para bujias ISO 2 / Kombi-gewindebohrer für gewinde Einsätze ISO 2

10620
HSS-G

M



ISO 1/4H

Ø	cod.
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M	6 x 1	1062006X1
	8 x 1,25	1062008X125
	10 x 1,5	1062010X15
	10 x 1,25	1062010X125
	10 x 1	1062010X1
	12 x 1,25	1062012X125
	14 x 1,25	1062014X125
	18 x 1,5	1062018X15



Industrial

MASCHI STI PER L'INSERIMENTO DI INSERTI FILETTATI K-COIL ISO 2

STI taps for wire thread inserts ISO 2 / Tarauds STI pour l'insertion des ressorts filetés ISO 2

Machos STI para la inserción de filetes ISO 2 / Gewindebohrer STI für gewinde Einsätze ISO 2

10613
HSS-G

UNC



FORM D

	Ø		cod.
No.	8	x 32	10613NR08
	10	x 24	10613NR10
	12	x 24	10613NR12
UNC	1/4	x 20	106131/4
	5/16	x 18	106135/16
	3/8	x 16	106133/8
	7/16	x 14	106137/16
	1/2	x 13	106131/2
	9/16	x 12	106139/16
	5/8	x 11	106135/8
	3/4	x 10	106133/4
	7/8	x 9	106137/8
	1"	x 8	106131"

10615
HSS-G

BSW



FORM D

	Ø		cod.
BSW	1/8	x 40	106151/8
	3/16	x 24	106153/16
	1/4	x 20	106151/4
	5/16	x 18	106155/16
	3/8	x 16	106153/8
	7/16	x 14	106157/16
	1/2	x 12	106151/2
	9/16	x 12	106159/16
	5/8	x 11	106155/8
	3/4	x 10	106153/4
	7/8	x 9	106157/8
	1"	x 8	106151"

10614
HSS-G

UNF



FORM D

	Ø		cod.
No.	8	x 36	10614NR08
	10	x 32	10614NR10
UNF	1/4	x 28	106141/4
	5/16	x 24	106145/16
	3/8	x 24	106143/8
	7/16	x 20	106147/16
	1/2	x 20	106141/2
	9/16	x 18	106149/16
	5/8	x 18	106145/8
	3/4	x 16	106143/4
	7/8	x 14	106147/8
	1"	x 12	106141"12
	1"	x 14	106141"14

10616
HSS-G

BSF



FORM D

	Ø		cod.
BSF	3/16	x 32	106163/16
	1/4	x 26	106161/4
	5/16	x 22	106165/16
	3/8	x 20	106163/8
	7/16	x 18	106167/16
	1/2	x 16	106161/2
	9/16	x 16	106169/16
	5/8	x 14	106165/8
	3/4	x 12	106163/4
	7/8	x 11	106167/8
	1"	x 10	106161"

10617
HSS-G

BSP

2 pcs set



	Ø		cod.
BSP	1/8	x 28	106171/8
	1/4	x 19	106171/4
	3/8	x 19	106173/8
	1/2	x 14	106171/2
	5/8	x 14	106175/8
	3/4	x 14	106173/4
	7/8	x 14	106177/8
	1"	x 11	106171"

ACCESSORI PER L'UTILIZZO DEGLI INSERTI FILETTATI K-COIL

Inserting tools for K-coil / Outils pour l'utilisation des K-coil

Herramientas para insertar K-coil - Werkzeuge für K-coil

10618



Punta elicoidale per preforni fil. danneggiate

Twist drill for damaged threads

Foret hélicoïdal pour taraudages endommagés

Broca helicoidal para roscas dañadas

Ø	I	L	Per filetto For thread	cod.
2,1	24	49	M 2 x 0,4	106180210
2,6	30	57	2,5 x 0,45	106180260
3,2	36	65	3 x 0,5	106180320
3,7	39	70	3,5 x 0,6	106180370
4,2	43	75	4 x 0,7	106180420
5,2	52	86	5 x 0,8	106180520
6,3	63	101	6 x 1	106180630
7,3	69	109	7 x 1	106180730
8,3	75	117	8 x 1,25 - 8x1	106180830
9,3	81	125	9 x 1,25	106180930
10,3	87	133	10 x 1,25 - 10x1	106181030
10,4	87	133	10 x 1,5	106181040
11,4	94	133	11 x 1,5	106181140
12,3	101	133	12 x 1,25 - 12x1	106181230
12,4	101	133	12 x 1,75 - 12x1,5	106181240
14,3	115	165	14 x 1	106181430
14,4	115	165	14 x 1,5 - 1,4x1,25	106181440
16,4	115	170	16 x 1,5	106181640

10611



Utensile per la rottura del perno di trascinamento K-coil

Tang break tool / Outil pour rompre le goujon

Herramienta rompe arrastre / Werkzeug für

den bruch des Bolzen

N°	cod.
M 2 x 0,4	2 1061102
2,5 x 0,45	3 1061103
3 x 0,5	4 1061104
3,5 x 0,6	5 1061105
4 x 0,7	6 1061106
5 x 0,8	8 1061108
6 x 1	9 1061109
7 x 1 - 8x1,25 - 8x1	11 1061111
9 x 1,25	12 1061112
10 x 1,5 - 10x1,25 - 10x1	13 1061113
11 x 1,5	14 1061114
12 x 1,75 - 12x1,5 - 12x1,25 - 12x1	15 1061115

10622



Estrattore K-coil

Extracting tool / Outil pour enlever le K-coil

Herramienta extractora / K-coil Auszieher

N°	cod.
2	M 3÷10 3/16÷3/8 1062202
3	M 11÷24 3/8÷1" 1062203

ACCESSORI PER L'UTILIZZO DEGLI INSERTI FILETTATI K-COIL

Inserting tools for K-coil / Outils pour l'utilisation des K-coil

Herramientas para insertar K-coil - Werkzeuge für K-coil

10621



Utensile manuale per inserire i K-coil

Inserting tool for K-coil

Outil pour l'insertion des K-coil

Utensilio para insertar K-coil

Werkzeug für K-coil

	N°	cod.
M 2 x 0,4	2	1062102
2,5 x 0,45	3	1062103
3 x 0,5	4	1062104
3,5 x 0,6	5	1062105
4 x 0,7	6	1062106
5 x 0,8	8	1062108
6 x 1	9	1062109
7 x 1	10	1062110
8 x 1,25 - 8x1	11	1062111
9 x 1,25	12	1062112
10 x 1,5 - 10x1,25 - 10x1	13	1062113
11 x 1,5	14	1062114
12 x 1,75 - 12x1,5 - 12x1,25 - 12x1	15	1062115
14 x 2 - 14x1,5	16	1062116
14 x 1,25 - 14x1	17	1062117
16 x 2 - 16x1,5	18	1062118
18 x 2,5 - 18x2 - 18x1,5	20	1062120
20 x 2,5 - 20x2 - 20x1,5	21	1062121
22 x 2,5 - 22x2 - 22x1,5	22	1062122
24 x 2,5 - 24x2 - 24x1,5	23	1062123

10628



Inseritore con attacco 1/4" QC

Inserting tool with 1/4" QC hex shank

Outil pour l'insertion avec attelage hex 1/4" QC

Herramienta para insertar con ataque hex 1/4" QC

Per coil For coil	cod.
M3	1062803X05
M4	1062804X07
M5	1062805X08
M6	1062806X1
M8	1062808X125
M10	1062810X15
M12	1062812X175

10623



Inseritore con attacco esagonale da 1/2"

Inserting tool with 1/2" hexagonal drive

Outil pour l'insertion avec attelage hexagonal 1/2"

Herramienta para insertar con ataque hexagonal 1/2"

Werkzeug für K-coil Eisezten mit hexagonalem

Ansatz 1/2"

	cod.
M 26 x 1,5	1062326X15
27 x 3	1062327X3
27 x 2	1062327X2
27 x 1,5	1062327X15
28 x 1,5	1062328X15
30 x 3,5	1062330X35
30 x 2	1062330X2
30 x 1,5	1062330X15
33 x 3,5	1062333X35
33 x 2	1062333X2
36 x 4	1062336X4
36 x 3	1062336X3
36 x 2	1062336X2
36 x 1,5	1062336X15

N°	cod.
G *1/8 x 28	10623G1/8
*1/4 x 19	10623G1/4
*3/8 x 19	10623G3/8
*1/2 x 14	10623G1/2
5/8 x 14	10623G5/8
3/4 x 14	10623G3/4
7/8 x 14	10623G7/8
1" x 11	10623G1"

* Attacco da 1/4" / 1/4" hexagonal drive
Queue 1/4" / Mango hexagonal 1/4"

GIRAMASCHI ESTENSIBILI, MODELLO AMERICANO

Adjustable tap wrenches / Tourne à gauche extensible

Giramachos ajustables / Verstellbare Windeisen

DIN 1814 Lega Leggera / Zinc die-cast / Alliage de zinc / Aleacione ligera / Körper aus Zinkdruckguss



Art. 15002 Self
Disponibile su richiesta / On demand

Gr. N.	M	Per maschi For taps BSW-UNC-UNF	BSP-NPT	L	cod.
0	1 ÷ 8	1/16 ÷ 1/4		130	1500100
1	1 ÷ 10	1/16 ÷ 3/8	1/8	180	1500101
1.1/2	1 ÷ 12	1/16 ÷ 1/2	1/8	180	1500101.1/2
2	4 ÷ 12	5/32 ÷ 1/2	1/8	280	1500102
3	5 ÷ 20	7/32 ÷ 3/4	1/8 ÷ 1/2	380	1500103
4	11 ÷ 27	7/16 ÷ 1"	1/4 ÷ 3/4	500	1500104
5	13 ÷ 32	1/2 ÷ 1.1/4	1/4 ÷ 1"	700	1500105
*6	18 ÷ 42	3/4 ÷ 1.1/2	1/2 ÷ 1.1/4	780	1500106
*7	25 ÷ 52	1" ÷ 2.1/8	3/4 ÷ 2.1/4	800	1500107
*8	25 ÷ 64	1" ÷ 2:1/2	3/4 ÷ 3"	1200	1500108

* corpo in acciaio / steel

15001

DIN 1814 Acciaio / Steel / Acier / Acero / Stahl-Ausführung



Gr. N.	M	Per maschi For taps BSW-UNC-UNF	BSP-NPT	L	cod.
0	1 ÷ 8	1/16 ÷ 1/4		170	1500300
1	1 ÷ 10	1/16 ÷ 3/8	1/8	200	1500301
1.1/2	1 ÷ 12	1/16 ÷ 1/2	1/8	200	1500301.1/2
2	4 ÷ 12	5/32 ÷ 1/2	1/8	260	1500302
3	5 ÷ 20	7/32 ÷ 3/4	1/8 ÷ 1/2	345	1500303
4	11 ÷ 27	7/16 ÷ 1"	1/4 ÷ 3/4	430	1500304
5	13 ÷ 32	1/2 ÷ 1.1/4	1/4 ÷ 1"	770	1500305
6	18 ÷ 42	3/4 ÷ 1.1/2	1/2 ÷ 1.1/4	870	1500306
7	25 ÷ 52	1" ÷ 2.1/8	3/4 ÷ 2.1/4	1000	1500307
8	25 ÷ 64	1" ÷ 2:1/2	3/4 ÷ 3"	1200	1500308

15003

GIRAMASCHI FISSI A SFERA

Ball tap wrenches / Porte-tarauts / Giramacho fixo / Kugelwindeisen



Gr. N.	Per maschi For taps M	L	cod.
0	1 ÷ 4	200	1501300
1	3,5 ÷ 8	200	1501301
3	5 ÷ 12	200	1501303
4	10 ÷ 16	200	1501304
5	12 ÷ 20	200	1501305
6	18 ÷ 27	200	1501306

15013

Professional

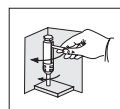
GIRAMASCHI A CRICCHETTO REVERSIBILE

Tap holder with ratchet / Porte-tarauts à cliquet / Giramachos de carraca / Werkzeugehalter mit knarre

15010
15011



Acciaio / Steel



Art. **15002** Self
Disponibile su richiesta
On demand

Art. 15010 Serie corta - Short serie

Gr. N.	Per maschi For taps		L	pcs	cod.
	M	BSW			
1	3 ÷ 10	1/8 ÷ 3/8	85	1	1501001
2	5 ÷ 12	7/32 ÷ 1/2	100	1	1501002

Art. 15011 Serie lunga - Long serie

Gr. N.	Per maschi For taps		L	pcs	cod.
	M	BSW			
1	3 ÷ 10	1/8 ÷ 3/8	250	1	1501101
2	5 ÷ 12	7/32 ÷ 1/2	300	1	1501102

cod.



Griffe per / Jaws for 1501001 - 1501101 1501110
Griffe per / Jaws for 1501002 - 1501102 1501112

GIRAMASCHI A MANDRINO TIPO GOODEL

Goodel tap holder without ratchet / Porte-tarauts goodel sans cliquet / Giramachos goodel sin carraca / Werkzeugehalter ohne knarre

15005
15006



Art. **15007** Self
Disponibile su richiesta
On demand

Art. 15005 Serie corta - Short serie

Gr. N.	Per maschi For taps		L	pcs	cod.
	M	BSW			
1	3 ÷ 5	1/8 ÷ 3/16	62	1	1500501
2	6 ÷ 8	1/4 ÷ 3/8	78	1	1500502
3	9 ÷ 10	3/8	102	1	1500503
4	10 ÷ 12	3/8 ÷ 1/2	102	1	1500504

Art. 15006 Serie lunga - Long serie

Gr. N.	Per maschi For taps		L	pcs	cod.
	M	BSW			
1	3 ÷ 5	1/8 ÷ 3/16	150	1	1500601
2	6 ÷ 8	1/4 ÷ 3/8	150	1	1500602
3	9 ÷ 10	3/8	150	1	1500603
4	10 ÷ 12	3/8 ÷ 1/2	150	1	1500604

PROLUNGA PER MASCHI

Tap extension / Rallong pour tarauds / Prolungador para machos / Verlängerung für Gewindebohrer

DIN 377

10098



Quadro Square (mm)	L	Per maschi For taps DIN 352	cod.	€ cad/each	Quadro Square (mm)	L	Per maschi For taps DIN 352	cod.
2.1	60	M 1-2.6	10098021	6,926	10.0	140		10098100
2.4	70		10098024	6,926	11.0	150	M 18	10098110
2.7	80	M 3	10098027	6,926	12.0	155	M 20	10098120
3.0	90	M 3.5	10098030	6,926	13.0	165		10098130
3.4	95	M 4	10098034	6,926	14.5	175	M 22-24	10098145
3.8	100		10098038	8,300	16.0	180	M 27	10098160
4.3	105		10098043	9,977	18.0	200	M 30	10098180
4.9	110	M 4.5-8	10098049	7,764	20.0	220	M 33	10098200
5.5	115	M 9-10	10098055	8,870	22.0	220	M 36	10098220
6.2	120	M 11	10098062	9,708	24.0	235	M 39-42	10098240
7.0	125	M 12	10098070	11,921	26.0	250		10098260
8.0	125		10098080	14,970	29.0	265	M 45-48	10098290
9.0	130	M 14-16	10098090	16,343	32.0	285	M 52	10098320

PORTAFILIERE PER FILIERE TONDE

Round-die stock / Porte filières à main / Manerales para cojinetes / Schneideisenhalter

DIN 225 (EN 22568) Lega Leggera / Zinc die-cast / Alliage de zinc / Aleacione ligera / Körper aus Zinkdruckguss



Art. 15031 Inches Self
Art. 15036 Metric Self
Disponibile su richiesta
On demand

Art. 15030 In pollici - Inch

Gr. N.	Ø mm	Ø pollici/inch	L mm	pcs	cod.
0	20,6 x 6,35	13/16 x 1/4	185	1	1503000
1	25,4 x 9,5	1" x 3/8	215	1	1503001
2/A	33,4 x 11,1	1.5/16 x 7/16	265	1	1503002/A
2	38,1 x 12,7	1.1/2 x 1/2	310	1	1503002
3	50,8 x 15,9	2" x 5/8	485	1	1503003
4	63,5 x 19	2.1/2 x 3/4	630	1	1503004
*5	76,2 x 22	3" x 7/8	700	1	1503005
*6	88,9 x 25,4	3.1/2 x 1"	940	1	1503006
*7	101,6 x 25,4	4" x 1"	980	1	1503007

15030
15035

* acciaio / steel

Art. 15035 Per filiere DIN 223 - For dies DIN 223

Gr.	M	BSW-BSP	L	pcs	cod.
16 x 5	M 1 ÷ 2,6	W 1/16 ÷ 3/32	160	1	1503516X5
20 x 5	M 3 ÷ 4	W 1/8 ÷ 5/32	185	1	1503520X5
20 x 7	M 4,5 ÷ 6	W 3/16 ÷ 1/4	185	1	1503520X7
25 x 9	M 7 ÷ 9	W 5/16 ÷	215	1	1503525X9
30 x 11	M 10 ÷ 11	W 3/8 ÷ 7/16	265	1	1503530X11
38 x 10	MF 12 ÷ 14	G 1/8 ÷ 1/4	315	1	1503538X10
38 x 14	M 12 ÷ 14	W 1/2 ÷ 9/16	315	1	1503538X14
45 x 14	MF 16 ÷ 20	G 3/8 ÷ 1/2	450	1	1503545X14
45 x 18	M 16 ÷ 20	W 5/8 ÷ 13/16	450	1	1503545X18
55 x 16	MF 22 ÷ 26	G 5/8 ÷ 3/4	560	1	1503555X16
55 x 22	M 22 ÷ 24	W 7/8 ÷ 1"	560	1	1503555X22
65 x 18	MF 27 ÷ 35	G 7/8 ÷ 1"	630	1	1503565X18
65 x 25	M 27 ÷ 36	W 1"1/8 ÷ 1"3/8	630	1	1503565X25
*75 x 20	MF 38 ÷ 42	G 1"1/8 ÷ 1"1/4	710	1	1503575X20
*75 x 30	M 39 ÷ 42	W 1"1/2 ÷ 1"5/8	710	1	1503575X30
*90 x 22	MF 45 ÷ 52	G 1"3/8 ÷ 1"3/4	920	1	1503590X22
*90 x 36	M 45 ÷ 52	W 1"3/4 ÷ 2"	920	1	1503590X36

* acciaio / steel

DIN 225 (EN 22568) Acciaio / Steel / Acier / Acero / Stahl-Ausführung



Art. 15032 In pollici - Inch

Gr. N.	Ø mm	Ø pollici/inch	L mm	pcs	cod.
1	25,4 x 9,5	1" x 3/8	210	1	1503201
2	38,1 x 12,7	1"1/2 x 1/2	300	1	1503202
3	50,8 x 15,9	2" x 5/8	490	1	1503203
4	63,5 x 19	2.1/2 x 3/4	520	1	1503204
5	76,2 x 22	3" x 7/8	700	1	1503205
6	88,9 x 25,4	3.1/2 x 1"	950	1	1503206
7	101,6 x 25,4	4" x 1"	890	1	1503207

15032
15037

Art. 15037 Per filiere DIN 223 - For dies DIN 223

Gr.	M	BSW-BSP	L	pcs	cod.
16 x 5	M 1 ÷ 2,6	W 1/16 ÷ 3/32	160	1	1503716X5
20 x 5	M 3 ÷ 4	W 1/8 ÷ 5/32	190	1	1503720X5
20 x 7	M 4,5 ÷ 6	W 3/16 ÷ 1/4	190	1	1503720X7
25 x 9	M 7 ÷ 9	W 5/16 ÷	215	1	1503725X9
30 x 11	M 10 ÷ 11	W 3/8 ÷ 7/16	250	1	1503730X11
38 x 10	MF 12 ÷ 14	G 1/8 ÷ 1/4	310	1	1503738X10
38 x 14	M 12 ÷ 14	W 1/2 ÷ 9/16	310	1	1503738X14
45 x 14	MF 16 ÷ 20	G 3/8 ÷ 1/2	445	1	1503745X14
45 x 18	M 16 ÷ 20	W 5/8 ÷ 13/16	445	1	1503745X18
55 x 16	MF 22 ÷ 26	G 5/8 ÷ 3/4	495	1	1503755X16
55 x 22	M 22 ÷ 24	W 7/8 ÷ 1"	495	1	1503755X22
65 x 18	MF 27 ÷ 35	G 7/8 ÷ 1"	550	1	1503765X18
65 x 25	M 27 ÷ 36	W 1.1/8 ÷ 1"3/8	550	1	1503765X25
75 x 20	MF 38 ÷ 42	G 1.1/8 ÷ 1"1/4	735	1	1503775X20
75 x 30	M 39 ÷ 42	W 1.1/2 ÷ 1"5/8	735	1	1503775X30
90 x 22	MF 45 ÷ 52	G 1.3/8 ÷ 1"3/4	900	1	1503790X22
90 x 36	M 45 ÷ 52	W 1.3/4 ÷ 2"	900	1	1503790X36
105 x 22	MF 54 ÷ 65	G 2" ÷ 2"1/4	980	1	15037105X22
105 x 36	M 56 ÷ 64	W 2" ÷ 2"1/4	980	1	15037105X36
120 x 22	MF 64 ÷ 71	G 2.1/4 ÷ 2.3/4	960	1	15037120X22
120 x 36	M 64 ÷ 71	BSW 2.1/2 ÷ 2.3/4	960	1	15037120X36
130 x 25		G 3"	960	1	15037130X25
130 x 36			960	1	15037130X36
140 x 22			980	1	15037140X22
150 x 25		G 3.1/2	1000	1	15037150X25
160 x 25		G 4"	1000	1	15037160X25

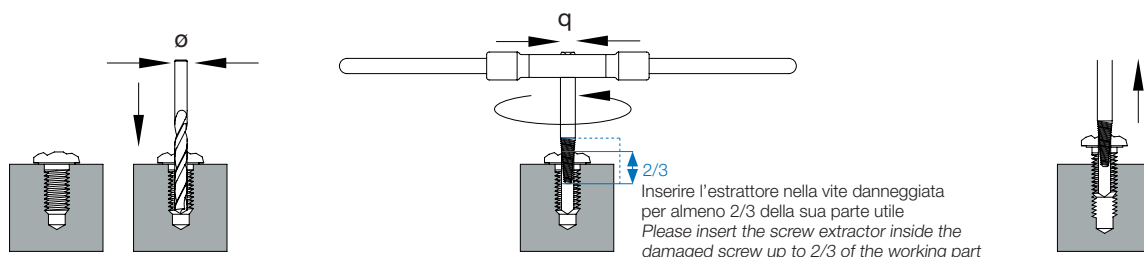
Professional

ESTRATTORI DI VITI E PRIGIONIERI IN ACCIAIO LEGATO

Screw extractors / Extracteur de vis

Extractores de tornillos / Schraubenausdreher

10065



Gr N.	Viti Screws	Ø	q	Giramaschi n. Tap wrench n.	pcs 📦	cod.
1	M 3 ÷ 6	3 ÷ 4	3	0-1-1.1/2	1	1006501
2	M 6 ÷ 8	4 ÷ 4,5	3,6	0-1-1.1/2	1	1006502
3	M 8 ÷ 11	5,5 ÷ 6	5,5	1-1.1/2	1	1006503
4	M 11 ÷ 14	6 ÷ 6,5	6,3	2-3-4	1	1006504
5	M 14 ÷ 18	9 ÷ 10	8,6	3-4-5	1	1006505
6	M 18 ÷ 24	12 ÷ 13	12	3-4-5-6	1	1006506
7	M 24 ÷ 33	14 ÷ 16	15	4-5-6	1	1006507
8	M 33 ÷ 50	20 ÷ 22	19	4-5-6	1	1006508

SERIE DI ESTRATTORI IN ASTUCCIO DI PLASTICA

Screw extractors sets in plastic cases / Jeux de extracteurs de vis

Juego de extractores de tornillos en estucho plastico / Schraubenausdreher – sätze in Kunststoffkassette

10067



cod.	Composizione Description	pcs 📦
10067101	5 pcs Ø 1÷5	1
10067102	6 pcs Ø 1÷6	1
10067103	8 pcs Ø 1÷8	1

CONTAFILETTI PER FILETTI METRICI ISO 60°-WH 55°

Screw pitch gauge ISO 60°-Wh 55° / Jeux de filetage - ISO 60°-Wh 55°

Cuentahilos - ISO 60°-Wh 55° / Gewindeschablonen ISO 60°-Wh 55°

41003



cod.	Composizione Description	pcs 📦
410031251	52 pcs M 0,25 ÷ 6 Wh 62 ÷ 4	1
410031261	12 pcs M 0,5 ÷ 1,75	1

ESPOSITORE MAGAZZENO GIRAUTENSILI

Tool holders display / Assortiment de porte outils

Expositor de giramachos y manerales / Haltewerkzeuge Satz



17001100 40 pcs

DIN 1814
DIN 225

Lega leggera
zinc die-cast

15001	15005	15006	15010	15030
GR. 1 6 pcs GR. 2 6 pcs GR. 3 3 pcs	GR. 1 3 pcs GR. 2 2 pcs	GR. 1 2 pcs GR. 2 2 pcs	GR. 1 2 pcs GR. 2 2 pcs	Ø 25,4 6 pcs Ø 38,1 4 pcs Ø 50,8 2 pcs



17001104 51 pcs

DIN 1814
DIN 225

Lega leggera
zinc die-cast

15001	15010	15011	15035
GR. 1 6 pcs GR. 2 5 pcs GR. 3 2 pcs GR. 4 1 pc	GR. 1 2 pcs GR. 2 2 pcs	GR. 1 2 pcs GR. 2 2 pcs	16 x 5 2 pcs 20 x 5 2 pcs 20 x 7 2 pcs 25 x 9 6 pcs 30 x 11 6 pcs 38 x 10 2 pcs 38 x 14 4 pcs 45 x 14 2 pcs 45 x 18 1 pc 55 x 16 1 pc 55 x 22 1 pc



17001108 51 pcs

DIN 1814
DIN 225

In acciaio
forged steel

15003	15010	15011	15037
GR. 1 6 pcs GR. 2 5 pcs GR. 3 2 pcs GR. 4 1 pc	GR. 1 2 pcs GR. 2 2 pcs	GR. 1 2 pcs GR. 2 2 pcs	16 x 5 2 pcs 20 x 5 2 pcs 20 x 7 2 pcs 25 x 9 6 pcs 30 x 11 6 pcs 38 x 10 2 pcs 38 x 14 4 pcs 45 x 14 2 pcs 45 x 18 1 pc 55 x 16 1 pc 55 x 22 1 pc

Professional

ASSORTIMENTI A FILETTARE IN VALIGETTA DI PLASTICA RIGIDA

C.V. threading sets in blow-mould cases / Assortiments à fileter en acier au chrome en coffret plastique

Juego de utensilios a rosca en caja de plastico / Gewindeschneidwerkzeugesätze in Kunststoffkassette

C.V.

Coperchio trasparente
Transparent lid



17008203

Cod.		 1 pc	 25.4	 N°1.1/2
17008203 M+MF 3÷12 30 pcs 11 passi threads		M 3x0,5-4x0,7 5x0,8-6x1-7x1 8x1-8x1,25 10x1,25-10x1,5 12x1,5-12x1,75		 25,4  1 contafiletti pitch gauge  2,5-3,3-4,2-5-6,8

Astucci metallo / metal case



17005401



17005402

Cod.		 3 pcs	
17005401 M 3÷12 21 pcs		M 3-4-5-6 8-10-12	
Cod.		 3 pcs	 N°1.1/2
17005402 M 3÷12 29 pcs		M 3-4-5-6 8-10-12	 2,5-3,3-4,2-5 6,8-8,5-10,25

Abs



17005404

Cod.		 1 pc	 N°1.1/2
17005404 M 3÷12		M3-4-5-6-8 10-12	

ASSORTIMENTI A FILETTARE IN CASSETTE DI LEGNO

C.V. threading sets in wooden cases / Assortiments à fileter en acier au chrome en coffrets de bois

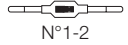
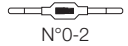
Juegos de utensilios a rosca en caja de madera / Gewindeschneideisenwerkzeugesätze in Holzkassette

C.V.

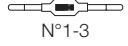
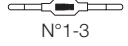


METRIC			
Cod.		 3 pcs  25.4	 N°1
17012530 M3÷10 6 passi threads		M 3-4-5 6-8-10	 25,4
Cod.		 3 pcs  25.4	 N°1
17012531 M3÷10 8 passi threads		M 3-4-5-6 7-8-9-10	 25,4



Cod.		 3 pcs  25.4	 N°1.1/2
17012532 M3÷12 7 passi threads		M 3-4-5 6-8-10-12	 25,4
Cod.		 3 pcs  25,4(7) 38,1(3)	 N°1-2
17012533 M3÷12 10 passi threads		M 3-4-5-6 7-8-9-10 11-12	 25,4 - 38,1
Cod.		 2 pcs  25,4(7) 38,1(3)	 N°0-2
17012543 M+MF 3÷12 12 passi threads		3x0,5-4x0,7-5x0,8 6x1-7x1-8x1 8x1,25-10x1,25 10x1,5-12x1,25 12x1,5-12x1,75	 25,4 - 38,1  N°1



Cod.		 3 pcs  25,4(5) 38,1(6)	 N°1-3
17012534 M3÷18 10 passi threads		M 3-4-5 6-8-10-12 14-16-18	 25,4 - 38,1
Cod.		 3 pcs  25,4(5) 38,1(6)	 N°1-3
17012535 M3÷20 11 passi threads		M 3-4-5 6-8-10-12 14-16-18-20	 25,4 - 38,1

ASSORTIMENTI A FILETTARE IN CASSETTE DI LEGNO

C.V. threading sets in wooden cases / Assortiments à fileter en acier au chrome en coffrets de bois

Juegos de utensilios a roscar en caja de madera / Gewindeschneideisenwerkzeugesätze in Holzkassette

C.V.



METRIC			
Cod.		 3 pcs  38,1(5) 50,8(5)	 N°2-4
17012536 M6÷24 10 passi threads		M 6-8-10-12 14-16-18 20-22-24	 38,1-50,8
Cod.		 3 pcs  25,4(5) 38,1(4) 50,8(4)	 N°1-2-4
17012537 M3÷24 13 passi threads		M 3-4-5-6-8 10-12-14 16-18-20 22-24	 25,4-38,1-50,8



Cod.		 3 pcs  25,4(5) 38,1(4) 50,8(4) 63,5(2)	 N°1-3-5
17012538 M3÷30 15 passi threads		M 3-4-5-6 8-10-12-14 16-18-20-22 24-27-30	 25,4-38,1 50,8-63,5
Cod.		 3 pcs  25,4(7) 38,1(4) 50,8(5) 63,5(4)	 N°1-3-6
17012539 M3÷33 19 passi threads		M 3-4-5-6-7-8 9-10-11-12-14 16-18-20-22 24-27-30-33	 25,4-38,1 50,8-63,5



Cod.		 3 pcs 	COMBI M+BSW M+UNC
17012541 M+BSW M3÷24 + BSW 1/8÷1"		M 3-4-5-6-8 10-12-14-16 18-20-22-24 BSW 1/8-5/32- 3/16-1/4-5/16 3/8-7/16-1/2 9/16-5/8-3/4- 7/8-1"	 N°1-2-4  25,4-38,1-50,8
17012542 M+UNC M3÷24 + UNC 1/4÷1"		M 3-4-5-6-8 10-12-14-16 18-20-22-24 UNC 1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4-7/8-1"	 N°1-2-4  25,4-38,1-50,8

ASSORTIMENTI A FILETTARE PER GARAGE TIPO “FIAT RIDOTTO” IN CASSETTA DI LEGNO

Threading set in wooden case for automotive / Assortiment à fileter pour garage en coffret de bois

Juego de utensilios a rosca para garages en caja de madera / Gewindeschneidwerkzeugesätze für Garage

C.V.

Speciale per garage

Special for automotive

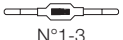


M+MF 2÷18 65 pcs

635x335x48mm

Kg 5,8

METRIC

Cod.		 2 pcs	 25,4(8) 38,1(12)	 N°1-3
17012510				
M+MF 2÷18				
65 pcs				
20 passi				
threads				
		M 2x0,4-3x0,5		 25,4-38,1
		4x0,7-5x0,8-6x1		
		7x1-8x1-8x1,25		
		10x1-10x1,25-10x1,5		
		12x1,25-12x1,5		
		12x1,75-14x1,25		
		14x1,5-14x2-16x1,5		
		16x2-18x1,5		
				N. 1

ASSORTIMENTI A FILETTARE PER GARAGE TIPO “FIAT GRANDE” IN CASSETTA DI LEGNO

Threading set in wooden case for trucks / Assortiment à fileter pour garage en coffret de bois

Juego de utensilios a rosca para garages en caja de madera / Gewindeschneidwerkzeugesätze für Garage

C.V.

Speciale per camion

Special for trucks



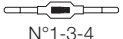
M+MF 3÷24

600x430x65mm

Kg 13,8

METRIC

Cod.		 3 pcs		 N°1-2-3-4
17012512				
M+MF 3÷24				
111 pcs				
26 passi				
pitch				
		3 x 0,5	14 x 1	 25,4-38,1-50,8
		4 x 0,7	14 x 1,5	
		5 x 0,8	14 x 2	
		6 x 1	16 x 1	
		7 x 1	16 x 1,5	
		8 x 0,75	16 x 2	
		8 x 1	18 x 1,5	
		8 x 1,25	20 x 1,5	
		10 x 1	20 x 2,5	
		10 x 1,5	22 x 1,5	
		11 x 0,75	24 x 1,5	
		12 x 1	24 x 2	
		12 x 1,5		
		12 x 1,75		

Cod.		 3 pcs		 N°1-3-4
17012513				
M+MF 3÷24				
108 pcs				
30 passi				
pitch				
		3 x 0,5	14 x 1	 25,4-38,1-50,8
		4 x 0,7	14 x 1,25	
		5 x 0,8	14 x 1,5	
		6 x 1	14 x 2	
		7 x 1	16 x 1	
		8 x 1	16 x 1,5	
		8 x 1,25	16 x 2	
		9 x 1	18 x 1,5	
		9 x 1,25	20 x 1,5	
		10 x 1	20 x 2,5	
		10 x 1,25	22 x 1,5	
		10 x 1,5	22 x 2	
		12 x 1	24 x 1,5	
		12 x 1,25	24 x 2	
		12 x 1,5		
		12 x 1,75		

Professional

ASSORTIMENTI A FILETTARE PER GARAGE TIPO FIAT IN CASSETTA DI LEGNO

Threading set in wooden case for automotive / Assortiment à fileter pour garages en coffret de bois

Juego de utensilios a roscar para garages en caja de madera / Gewindeschneidwerkzeugesätze für Garage in Holzkassette

C.V.

Speciale per garage
Special for automotive

CLASSIC



FIAT

M+MF 2÷18 110 pcs
500x340x60mm
Kg 7,9

Cod.	M-MF		25,4(14) 38,1(21)	N°1-3
	2 pcs			
17012500 M+MF 2÷18 110 pcs 35 passi pitch	2 x 0,4	11 x 0,75		 25,4-38,1
	3 x 0,5	11 x 1		
	4 x 0,7	11 x 1,25		
	5 x 0,8	11 x 1,5		
	6 x 0,75	12 x 0,75		
	6 x 1	12 x 1		
	7 x 0,75	12 x 1,25		
	7 x 1	12 x 1,5		
	8 x 0,75	12 x 1,75		
	8 x 1	14 x 1		
	8 x 1,25	14 x 1,25		
	9 x 0,75	14 x 1,5		
	9 x 1	14 x 2		
	9 x 1,25	16 x 1		
	10 x 0,75	16 x 1,5		
	10 x 1	16 x 2		
	10 x 1,25	18 x 1,5		
	10 x 1,5			

Per ravvivare i filetti di:

to renew threads of:

FIAT, ALFA ROMEO, LANCIA,
VOLKSWAGEN, BMW, MERCEDES,
FORD, OPEL G.M., PEUGEOT,
RENAULT, VOLVO, CITROEN,
TOYOTA, NISSAN, HONDA, ETC.

PLUS



FIAT

M+MF 2÷18 111 pcs
500x340x60mm
Kg 8,0

Cod.	M-MF		25,4(14) 38,1(21)	N°1-3
	2 pcs			
17012505 M+MF 2÷18 111 pcs 35 passi pitch	2 x 0,4	11 x 0,75		 25,4-38,1
	3 x 0,5	11 x 1		
	4 x 0,7	11 x 1,25		
	5 x 0,8	11 x 1,5		
	6 x 0,75	12 x 0,75		
	6 x 1	12 x 1		
	7 x 0,75	12 x 1,25		
	7 x 1	12 x 1,5		
	8 x 0,75	12 x 1,75		
	8 x 1	14 x 1		
	8 x 1,25	14 x 1,25		
	9 x 0,75	14 x 1,5		
	9 x 1	14 x 2		
	9 x 1,25	16 x 1		
	10 x 0,75	16 x 1,5		
	10 x 1	16 x 2		
	10 x 1,25	18 x 1,5		
	10 x 1,5			

0÷150 mm 0,01
Digital



ASSORTIMENTI A FILETTARE PER GARAGE TIPO FIAT IN CASSETTA DI LEGNO

Threading set in wooden case for automotive / Assortiment à fileter pour garages en coffret de bois

Juego de utensilios a rosca para garages en caja de madera / Gewindeschneidwerkzeugesätze für Garage in Holzkassette

Per tutti gli utilizzi professionali ed industriali
For professional and industrial use

HSS

Speciale per garage

Special for automotive



FIAT HSS

M+MF 2÷18 110 pcs

500x340x60mm

Kg 7,9

Cod.	M-MF		N°1-3
	2 pcs	25,4(14) 38,1(21)	
17012600 M+MF 2÷18 110 pcs 35 passi pitch	2 x 0,4	11 x 0,75	25,4-38,1
	3 x 0,5	11 x 1	
	4 x 0,7	11 x 1,25	N. 1
	5 x 0,8	11 x 1,5	
	6 x 0,75	12 x 0,75	
	6 x 1	12 x 1	
	7 x 0,75	12 x 1,25	
	7 x 1	12 x 1,5	
	8 x 0,75	12 x 1,75	
	8 x 1	14 x 1	
	8 x 1,25	14 x 1,25	
	9 x 0,75	14 x 1,5	
	9 x 1	14 x 2	
	9 x 1,25	16 x 1	
	10 x 0,75	16 x 1,5	
	10 x 1	16 x 2	
	10 x 1,25	18 x 1,5	
	10 x 1,5		

Per generare e ravnivare i filetti di:

To make and renew threads of:

FIAT, ALFA ROMEO, LANCIA,
VOLKSWAGEN, BMW, MERCEDES,
FORD, OPEL G.M., PEUGEOT,
RENAULT, VOLVO, CITROEN,
TOYOTA, NISSAN, HONDA, ETC.



Ricambi / Spare parts

10097	(2 pcs)	HSS
Cod.		
M 2 x 0,4	1009702X04	
3 x 0,5	1009703X05	
4 x 0,7	1009704X07	
5 x 0,8	1009705X08	
6 x 0,75	1009706X075	
6 x 1	1009706X1	
7 x 0,75	1009707X075	
7 x 1	1009707X1	
8 x 0,75	1009708X075	
8 x 1	1009708X1	
8 x 1,25	1009708X125	
9 x 0,75	1009709X075	
9 x 1	1009709X1	
9 x 1,25	1009709X125	
10 x 0,75	1009710X075	
10 x 1	1009710X1	
10 x 1,25	1009710X125	
10 x 1,5	1009710X15	
11 x 0,75	1009711X075	
11 x 1	1009711X1	
11 x 1,25	1009711X125	
11 x 1,5	1009711X15	
12 x 0,75	1009712X075	
12 x 1	1009712X1	
12 x 1,25	1009712X125	
12 x 1,5	1009712X15	
12 x 1,75	1009712X175	
14 x 1	1009714X1	
14 x 1,25	1009714X125	
14 x 1,5	1009714X15	
14 x 2	1009714X2	
16 x 1	1009716X1	
16 x 1,5	1009716X15	
16 x 2	1009716X2	
18 x 1,5	1009718X15	

12057	(2 pcs)	HSS
Cod.		
M 2 x 0,4	25,4x9	1205702X04
3 x 0,5		1205703X05
4 x 0,7		1205704X07
5 x 0,8		1205705X08
6 x 0,75		1205706X075
6 x 1		1205706X1
7 x 0,75		1205707X075
7 x 1		1205707X1
8 x 0,75		1205708X075
8 x 1		1205708X1
8 x 1,25		1205708X125
9 x 0,75		1205709X075
9 x 1		1205709X1
9 x 1,25		1205709X125
10 x 0,75	38,1x14	1205710X075
10 x 1		1205710X1
10 x 1,25		1205710X125
10 x 1,5		1205710X15
11 x 0,75		1205711X075
11 x 1		1205711X1
11 x 1,25		1205711X125
11 x 1,5		1205711X15
12 x 0,75		1205712X075
12 x 1		1205712X1
12 x 1,25		1205712X125
12 x 1,5		1205712X15
12 x 1,75		1205712X175
14 x 1		1205714X1
14 x 1,25		1205714X125
14 x 1,5		1205714X15
14 x 2		1205714X2
16 x 1		1205716X1
16 x 1,5		1205716X15
16 x 2		1205716X2
18 x 1,5		1205718X15

Professional

ASSORTIMENTI A FILETTARE WHITWORTH PER GARAGE ED INDUSTRIA

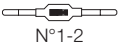
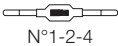
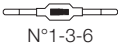
BSW-BSF threading set for garages and industries in wooden case / Assortiments à fileter pour usines et garages, filetage Whitworth

Juego de utensilios a rosca para garages y industria, rosca Whitworth / Gewindeschneidwerkzeugesätze für Garage und Industrie in Holzkassette

C.V.



BSW

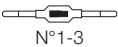
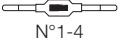
Cod.		 3 pcs	 N°1-2
17012520 BSW 1/8÷1/2		1/8-5/32-3/16 1/4-5/16-3/8 7/16-1/2	 25,4-38,1
Cod.		 3 pcs	 N°1-2-4
17012521 BSW 1/8÷1"		1/8-5/32-3/16 1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4-7/8-1"	 25,4-38,1-50,8
Cod.		 3 pcs	 N°1-3-6
17012522 BSW 1/8÷1.1/2		1/8-5/32-3/16-1/4 5/16-3/8-7/16-1/2 9/16-5/8-3/4 7/8-1"-1.1/8 1.1/4-1.3/8-1.1/2	 25,4-38,1-50,8-63,5

BSF

Cod.		 2 pcs	 N°1-4
17012525 BSF 1/4÷1"		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4-7/8-1"	 25,4-38,1-50,8

BSW+BSF



Cod.		 BSW 3 pcs BSF 2 pcs	 N°1-3
17012528 BSW+BSF 1/4÷3/4		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4	 25,4-38,1-50,8
Cod.		 BSW 3 pcs BSF 2 pcs	 N°1-4
17012529 BSW+BSF 1/4÷1"		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4-7/8-1"	 25,4-38,1-50,8

ASSORTIMENTI A FILETTARE, FILETTATURA GAS CILINDRICA PER TUBI, IN CASSETTA DI LEGNO

BSP threading set in wooden case / Assortiments à fileter, filetage gaz cylindrique

Juego de utensilios a roscar en caja de madera, rosca BSP/ Gewindeschneidwerkzeugesätze, Rohrgewinde BSP

C.V.



BSP			
Cod.		 2 pcs	 N°3-5
17012515 BSP 1/8÷1"		1/8-1/4-3/8 1/2-3/4-1"	 38,1-50,8-63,5
Cod.		 2 pcs	 N°4-7
17012516 BSP 1/4÷1.1/2		1/4-3/8-1/2 3/4-1"-1.1/4 1.1/2	 38,1-50,8 63,5-76,2

ASSORTIMENTI A FILETTARE, FILETTATURA GAS CONICA PER TUBI

Taper threading set in wooden case / Assortiments à fileter pour usines, filetage gaz conique

Juego de utensilios a roscar en caja de madera, rosca conica gas / Gewindeschneidwerkzeugesätze, kegeliges Rohrgewinde



BSPT			
Cod.		 1 pc	 N°1-3-5
17012540 BSPT 1/8÷1"		1/8-1/4-3/8 1/2-3/4-1"	 30x11-38x14 45x18-55x22-65x25



NPT			
Cod.		 1 pc	 N°1-3-5
17012545 NPT 1/8÷1"		1/8-1/4-3/8 1/2-3/4-1"	 30x11-38x14-45x18 55x22-65x25

Professional

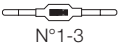
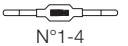
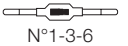
ASSORTIMENTI A FILETTARE UNC E UNF PER GARAGES ED INDUSTRIA

UNC threading set for garages and industries / Assortiments à fileter pour usines et garages, filetage Américain UNC-UNF

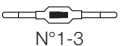
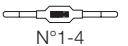
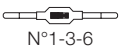
Juego de utensilios a rosca para garages y industria, rosca Americana UNC-UNF / Gewindeschneidwerkzeugesätze, amerikanischer gewinde UNC-UNF

C.V.

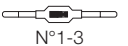
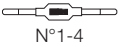


UNC			
Cod.		 3 pcs	 N°1-3
17012560 UNC 1/4÷3/4		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4	25,4-38,1-50,8
Cod.		 3 pcs	 N°1-4
17012561 UNF 1/4÷1"		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4-7/8-1"	25,4-38,1-50,8
Cod.		 3 pcs	 N°1-3-6
17012562 UNC 1/4÷1.1/2		1/4-5/16-3/8-7/16 1/2-9/16-5/8-3/4 7/8-1"-1.1/8-1.1/4 1.3/8-1.1/2	25,4-38,1 50,8-63,5



UNF			
Cod.		 2 pcs	 N°1-3
17012565 UNF 1/4÷3/4		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4	25,4-38,1-50,8
Cod.		 2 pcs	 N°1-4
17012566 UNF 1/4÷1"		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4-7/8-1"	25,4-38,1-50,8
Cod.		 2 pcs	 N°1-3-6
17012567 UNF 1/4÷1.1/2		1/4-5/16-3/8-7/16 1/2-9/16-5/8-3/4 7/8-1"-1.1/8-1.1/4 1.3/8-1.1/2	25,4-38,1 50,8-63,5



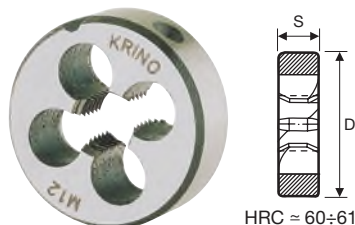
UNC+UNF			
Cod.		 UNC 3 pcs UNF 2 pcs	 N°1-3
17012570 UNC+UNF 1/4÷3/4		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4	25,4-38,1-50,8
Cod.		 UNC 3 pcs UNF 2 pcs	 N°1-4
17012571 UNC+UNF 1/4÷1"		1/4-5/16-3/8 7/16-1/2-9/16 5/8-3/4-7/8-1"	25,4-38,1-50,8

FILIERE TONDE AL CROMO, FILETTATURA METRICA ISO

C.V. round dies, metric thread / Filière ronde, filetage metrique

Cojinetes redondos C.V., rosca metrica / Runde Schneideisen C.V., metrisches ISO Gewinde

C.V. UNI 4535 ≈ DIN 223



Art. 12002 Self
Disponibile su richiesta / On demand



Metrica passo grosso - Metric coarse pitch

Pas gros metrique - Rosca metrica larga - Metrisches grossgewinde

M

	Ø	DxS	pcs	cod.
M 2	x 0,4	25,4 x 9	5	12001202X04
3	x 0,5	25,4 x 9	5	12001203X05
4	x 0,7	25,4 x 9	5	12001204X07
5	x 0,8	25,4 x 9	5	12001205X08
6	x 1	25,4 x 9	5	12001206X1
6	x 1	38,1 x 14	5	12001306X1
7	x 1	25,4 x 9	5	12001207X1
8	x 1,25	25,4 x 9	5	12001208X125
8	x 1,25	38,1 x 14	5	12001308X125
9	x 1,25	25,4 x 9	5	12001209X125
10	x 1,5	25,4 x 9	5	12001210X15
10	x 1,5	38,1 x 14	5	12001310X15
11	x 1,5	38,1 x 14	5	12001311X15
12	x 1,75	25,4 x 9	5	12001212X175
12	x 1,75	38,1 x 14	5	12001312X175
14	x 2	38,1 x 14	5	12001314X2
16	x 2	38,1 x 14	5	12001316X2
16	x 2	50,8 x 16	3	12001516X2
18	x 2,5	38,1 x 14	5	12001318X25
18	x 2,5	50,8 x 16	3	12001518X25
20	x 2,5	38,1 x 14	5	12001320X25
20	x 2,5	50,8 x 16	3	12001520X25
22	x 2,5	50,8 x 16	3	12001522X25
24	x 3	50,8 x 16	3	12001524X3
27	x 3	63,5 x 19	1	12001627X3
30	x 3,5	63,5 x 19	1	12001630X35
33	x 3,5	63,5 x 19	1	12001633X35
36	x 4	63,5 x 19	1	12001636X4

12001

C.V. UNI 4535 ≈ DIN 223



Metrica passo fine - Metric fine

Metrique fin - Metrica fina - ISO Feingewinde

MF

	Ø	DxS	pcs	cod.
M 6	x 0,75	25,4 x 9	5	12005206X075
7	x 0,75	25,4 x 9	5	12005207X075
8	x 0,75	25,4 x 9	5	12005208X075
8	x 1	25,4 x 9	5	12005208X1
9	x 0,75	25,4 x 9	5	12005209X075
9	x 1	25,4 x 9	5	12005209X1
10	x 1,25	25,4 x 9	5	12005210X125
12	x 1,5	25,4 x 9	5	12005212X15
10	x 0,75	38,1 x 14	5	12005310X075
10	x 1	38,1 x 14	5	12005310X1
10	x 1,25	38,1 x 14	5	12005310X125
11	x 0,75	38,1 x 14	5	12005311X075
11	x 1	38,1 x 14	5	12005311X1
11	x 1,25	38,1 x 14	5	12005311X125
12	x 0,75	38,1 x 14	5	12005312X075
12	x 1	38,1 x 14	5	12005312X1
12	x 1,25	38,1 x 14	5	12005312X125
12	x 1,5	38,1 x 14	5	12005312X15
14	x 1	38,1 x 14	5	12005314X1
14	x 1,25	38,1 x 14	5	12005314X125
14	x 1,5	38,1 x 14	5	12005314X15
16	x 1	38,1 x 14	5	12005316X1
16	x 1,5	38,1 x 14	5	12005316X15
18	x 1,5	38,1 x 14	5	12005318X15
18	x 2	38,1 x 14	5	12005318X2
18	x 1,5	50,8 x 16	3	12005518X15
18	x 2	50,8 x 16	3	12005518X2
20	x 1,5	50,8 x 16	3	12005520X15
20	x 2	50,8 x 16	3	12005520X2
22	x 1,5	50,8 x 16	3	12005522X15
22	x 2	50,8 x 16	3	12005522X2
24	x 1,5	50,8 x 16	3	12005524X15
24	x 2	50,8 x 16	3	12005524X2
27	x 1,5	63,5 x 19	1	12005627X15
27	x 2	63,5 x 19	1	12005627X2
30	x 1,5	63,5 x 19	1	12005630X15
30	x 2	63,5 x 19	1	12005630X2
30	x 3	63,5 x 19	1	12005630X3

12005



Confezione / Packaging

FILIERE TONDE, FILETTATURA GAS CILINDRICA PER TUBI BSP

Round dies, cylindrical BSP thread / Filières rondes, filetage gaz cylindrique

Cojinetes redondos, rosca gas BSP / Runde handschneideisen für zylindrisches Rohrgewinde

C.V. ≈ DIN 223 (EN 24231)

GAS (BSP)

12015



	Ø	DxS	pcs	cod.		
G	1/8 x 28	38,1 x 14	5	1201531/8		
	1/4 x 19	38,1 x 14	5	1201531/4		
	3/8 x 19	38,1 x 14	5	1201533/8		
	3/8 x 19	50,8 x 16	3	1201553/8		
	1/2 x 14	50,8 x 16	3	1201551/2		
	3/4 x 14	50,8 x 16	3	1201553/4		
	1" x 11	63,5 x 19	1	1201561"		
	1.1/4 x 11	75 x 20	1	1201571.1/4		
	1.1/2 x 11	75 x 20	1	1201571.1/2		
	2" x 11	90 x 36	1	1201592"		

Applicazioni
Applications

R ≤ 600 N/mm²



FILIERE TONDE, FILETTATURA GAS CONICA PER TUBI BSPT (CON 1:16)

Round dies, BSPT taper thread (taper 1:16) / Filières rondes, filetage gaz conique BSPT (cône 1:16)

Cojinetes redondos, rosca conica gas BSPT / Runde Hand- und Maschinen-Schneideisen für Kegeliges Rohrgewinde; Reihe R

C.V. ≈ DIN 223 (EN 24230)

BSPT

12017



	Ø	DxS	pcs	cod.		
Rc	1/8 x 28	30 x 11	1	1201731/8		
	1/4 x 19	38 x 14	1	1201731/4		
	3/8 x 19	45 x 18	1	1201743/8		
	1/2 x 14	45 x 18	1	1201741/2		
	3/4 x 14	55 x 22	1	1201753/4		
	1" x 11	65 x 25	1	1201761"		
	1.1/4 x 11	75 x 30	1	1201771.1/4		
	1.1/2 x 11	90 x 27	1	1201791.1/2		
	2" x 11	105 x 28	1	1201712"		

BSPT

Conicità 1:16
Taper 1:16



FILIERE TONDE, FILETTATURA INGLESE WHITWORTH BSW

Round dies, Whitworth thread / Filières rondes, filetage Whitworth

Cojinetes redondos, rosca Whitworth / Runde Schneideisen für britisch standard Whitworth B.1

C.V. ≈ DIN 223 (EN 22568)

BSW



Applicazioni
Applications

R ≤ 600 N/mm²



Ø	DxS	pcs 	cod.	
BSW 1/8 x 40	25,4 x 9	5	1201021/8	
5/32 x 32	25,4 x 9	5	1201025/32	
3/16 x 24	25,4 x 9	5	1201023/16	
1/4 x 20	25,4 x 9	5	1201021/4	
5/16 x 18	25,4 x 9	5	1201025/16	
3/8 x 16	38,1 x 14	5	1201033/8	
7/16 x 14	38,1 x 14	5	1201037/16	
1/2 x 12	38,1 x 14	5	1201031/2	
9/16 x 12	38,1 x 14	5	1201039/16	
5/8 x 11	50,8 x 16	3	1201055/8	
3/4 x 10	50,8 x 16	3	1201053/4	
7/8 x 9	50,8 x 16	3	1201057/8	
1" x 8	50,8 x 16	3	1201051"	
1.1/8 x 7	63,5 x 19	1	1201061.1/8	
1.1/4 x 7	63,5 x 19	1	1201061.1/4	
1.3/8 x 6	63,5 x 19	1	1201061.3/8	
1.1/2 x 6	63,5 x 19	1	1201061.1/2	
1.3/4 x 5	90 x 36	1	1201091.3/4	
2" x 4,5	90 x 36	1	1201092"	

12010

FILIERE TONDE, FILETTATURA INGLESE WHITWORTH A PASSO FINE BSF

2 pcs hand taps, british standard fine / Tarauds à main, jeux de 2 pcs, filetage Whitworth fin

Juegos machos de mano, rosca inglesa Whitworth fina / Zweiteiliger Handgewindebohrer für britisch Standard Feingewinde

C.V. ≈ DIN 223 (EN 22568)

BSF



Ø	DxS	pcs 	cod.	
BSW 3/16 x 32	25,4 x 9	5	1201223/16	
1/4 x 26	25,4 x 9	5	1201221/4	
5/16 x 22	25,4 x 9	5	1201225/16	
3/8 x 20	38,1 x 14	5	1201233/8	
7/16 x 18	38,1 x 14	5	1201237/16	
1/2 x 16	38,1 x 14	5	1201231/2	
9/16 x 16	38,1 x 14	5	1201239/16	
5/8 x 14	50,8 x 16	3	1201255/8	
3/4 x 12	50,8 x 16	3	1201253/4	
7/8 x 11	50,8 x 16	3	1201257/8	
1" x 10	50,8 x 16	3	1201251"	

12012

FILIERE TONDE, FILETTATURA AMERICANA A PASSO GROSSO UNC

Round dies, UNC coarse thread / Filières rondes, filetage UNC

Cojinetes redondos, rosca UNC / Runde Schneideisen, amerikanisches grosse Gewinde

C.V. ≈ DIN 223 (EN 22568)

UNC

12020



Applicazioni
Applications

R ≤ 600 N/mm²



	Ø	DxS	pcs 	cod.	
N°	5 x 40	25,4 x 9	5	12020N05	
	6 x 32	25,4 x 9	5	12020N06	
	8 x 32	25,4 x 9	5	12020N08	
	10 x 24	25,4 x 9	5	12020N10	
	12 x 24	25,4 x 9	5	12020N12	
UNC	1/4 x 20	25,4 x 9	5	1202021/4	
	5/16 x 18	25,4 x 9	5	1202025/16	
	3/8 x 16	38,1 x 14	5	1202033/8	
	7/16 x 14	38,1 x 14	5	1202037/16	
	1/2 x 13	38,1 x 14	5	1202031/2	
	9/16 x 12	38,1 x 14	5	1202039/16	
	5/8 x 11	50,8 x 16	3	1202055/8	
	3/4 x 10	50,8 x 16	3	1202053/4	
	7/8 x 9	50,8 x 16	3	1202057/8	
	1" x 8	50,8 x 16	3	1202051"	
	1.1/8 x 7	63,5 x 19	1	1202061.1/8	
	1.1/4 x 7	63,5 x 19	1	1202061.1/4	
	1.3/8 x 6	63,5 x 19	1	1202061.3/8	
	1.1/2 x 6	63,5 x 19	1	1202061.1/2	

FILIERE TONDE, FILETTATURA AMERICANA A PASSO FINE UNF

Round dies, UNF fine thread / Filières rondes, filetage UNF

Cojinetes redondos, rosca UNF / Runde Schneideisen, amerikanisches Feingewinde

C.V. ≈ DIN 223 (EN 22568)

UNF

12025



	Ø	DxS	pcs 	cod.	
N°	5 x 44	25,4 x 9	5	12025N05	
	6 x 40	25,4 x 9	5	12025N06	
	8 x 36	25,4 x 9	5	12025N08	
	10 x 32	25,4 x 9	5	12025N10	
	12 x 28	25,4 x 9	5	12025N12	
UNF	1/4 x 28	25,4 x 9	5	1202521/4	
	5/16 x 24	25,4 x 9	5	1202525/16	
	3/8 x 24	38,1 x 14	5	1202533/8	
	7/16 x 20	38,1 x 14	5	1202537/16	
	1/2 x 20	38,1 x 14	5	1202531/2	
	9/16 x 18	38,1 x 14	5	1202539/16	
	5/8 x 18	50,8 x 16	3	1202555/8	
	3/4 x 16	50,8 x 16	3	1202553/4	
	7/8 x 14	50,8 x 16	3	1202557/8	
	1" x 12	50,8 x 16	3	1202551"	
	1.1/8 x 12	63,5 x 19	1	1202561.1/8	
	1.1/4 x 12	63,5 x 19	1	1202561.1/4	
	1.3/8 x 12	63,5 x 19	1	1202561.3/8	
	1.1/2 x 12	63,5 x 19	1	1202561.1/2	

FILIERE TONDE, FILETTATURA CONICA AMERICANA PER TUBI NPT ANSI B 2.1

Round dies, NPT taper thread / Filières rondes, filetage conique NPT

Cojinetes redondos, rosca conica NPT / Runde handschneideisen, amerikanisches kegeliges Rohrgewinde NPT

C.V. ≈ DIN 223 (EN 22568)

NPT

12032



NPT
Conicità 1:16
Taper 1:16

	Ø	DxS	pcs 	cod.	
	1/8 x 27	30 x 11	1	1203231/8	
	1/4 x 18	38 x 14	1	1203231/4	
	3/8 x 18	45 x 18	1	1203243/8	
	1/2 x 14	45 x 18	1	1203241/2	
	3/4 x 14	55 x 22	1	1203253/4	
	1" x 11-1/2	65 x 25	1	1203261"	
	1.1/4 x 11-1/2	75 x 26	1	1203271.1/4	
	1.1/2 x 11-1/2	90 x 27	1	1203291.1/2	
	2" x 11-1/2	105 x 28	1	1203212"	

fam. code	img.	DIN	
10108 10136		2181 40432	HSS-G HSS-G
10303		ISO 529/C35	HSS-CO
10099		352	HSS Basic
12059		223	HSS Basic
10161		371/B 376/B	HSS Basic
10179		371/C-35° 376/C-35°	HSS Basic
10001 10010 10020	 10001025X045 HAND TAPS CV SR. 3 PCS. M 2,5X0,45 1000102X04 HAND TAPS CV SR. 3 PCS. M 2X0,4 10001035X06 HAND TAPS CV SR. 3 PCS. M 3,5X0,6 1000103X05 HAND TAPS CV SR. 3 PCS. M 3X0,5 1000103X06 HAND TAPS CV SR. 3 PCS. M 3X0,6 10001045X075 HAND TAPS CV SR. 3 PCS. M 4,5X0,75 1000104X07 HAND TAPS CV SR. 3 PCS. M 4X0,7 1000104X075 HAND TAPS CV SR. 3 PCS. M 4X0,75 1000105X08 HAND TAPS CV SR. 3 PCS. M 5X0,8 1000105X09 HAND TAPS CV SR. 3 PCS. M 5X0,9 1000106X1 HAND TAPS CV SR. 3 PCS. M 6X1 1000107X1 HAND TAPS CV SR. 3 PCS. M 7X1 1000108X125 HAND TAPS CV SR. 3 PCS. M 8X1,25 1000109X125 HAND TAPS CV SR. 3 PCS. M 9X1,25 1000110X15 HAND TAPS CV SR. 3 PCS. M 10X1,5 1000111X15 HAND TAPS CV SR. 3 PCS. M 11X1,5 1000112X175 HAND TAPS CV SR. 3 PCS. M 12X1,75 1000114X2 HAND TAPS CV SR. 3 PCS. M 14X2 1000116X2 HAND TAPS CV SR. 3 PCS. M 16X2 1000118X25 HAND TAPS CV SR. 3 PCS. M 18X2,5 1000120X25 HAND TAPS CV SR. 3 PCS. M 20X2,5 1000122X25 HAND TAPS CV SR. 3 PCS. M 22X2,5 1000124X3 HAND TAPS CV SR. 3 PCS. M 24X3 1000127X3 HAND TAPS CV SR. 3 PCS. M 27X3 1000130X35 HAND TAPS CV SR. 3 PCS. M 30X3,5 1000133X35 HAND TAPS CV SR. 3 PCS. M 33X3,5 1000136X4 HAND TAPS CV SR. 3 PCS. M 36X4 10001025X0453 HAND TAP CV FINISHER M 2,5X0,45 1000102X043 HAND TAP CV FINISHER M 2X0,4 10001035X063 HAND TAP CV FINISHER M 3,5X0,6	352 352 352	C.V. C.V. C.V.
10003 10012 10025 10015	 1000302X04 HAND TAPS CV SR. 2 PCS. MF 2X0,4 1000303X05 HAND TAPS CV SR. 2 PCS. MF 3X0,5 1000304X07 HAND TAPS CV SR. 2 PCS. MF 4X0,7 1000305X08 HAND TAPS CV SR. 2 PCS. MF 5X0,8	2181 2181 2181 5157	C.V. C.V. C.V. C.V.

	1000306X075 HAND TAPS CV SR. 2 PCS. MF 6X0,75 1000306X1 HAND TAPS CV SR. 2 PCS. MF 6X1 1000307X075 HAND TAPS CV SR. 2 PCS. MF 7X0,75 1000307X1 HAND TAPS CV SR. 2 PCS. MF 7X1 1000308X075 HAND TAPS CV SR. 2 PCS. MF 8X0,75 1000308X1 HAND TAPS CV SR. 2 PCS. MF 8X1 1000308X125 HAND TAPS CV SR. 2 PCS. MF 8X1,25 1000309X075 HAND TAPS CV SR. 2 PCS. MF 9X0,75 1000309X1 HAND TAPS CV SR. 2 PCS. MF 9X1 1000309X125 HAND TAPS CV SR. 2 PCS. MF 9X1,25 1000310X075 HAND TAPS CV SR. 2 PCS. MF 10X0,75 1000310X1 HAND TAPS CV SR. 2 PCS. MF 10X1 1000310X125 HAND TAPS CV SR. 2 PCS. MF 10X1,25 1000310X15 HAND TAPS CV SR. 2 PCS. MF 10X1,5 1000311X075 HAND TAPS CV SR. 2 PCS. MF 11X0,75 1000311X1 HAND TAPS CV SR. 2 PCS. MF 11X1 1000311X125 HAND TAPS CV SR. 2 PCS. MF 11X1,25 1000311X15 HAND TAPS CV SR. 2 PCS. MF 11X1,5 1000312X075 HAND TAPS CV SR. 2 PCS. MF 12X0,75 1000312X1 HAND TAPS CV SR. 2 PCS. MF 12X1 1000312X125 HAND TAPS CV SR. 2 PCS. MF 12X1,25 1000312X15 HAND TAPS CV SR. 2 PCS. MF 12X1,5 1000312X175 HAND TAPS CV SR. 2 PCS. MF 12X1,75 1000314X1 HAND TAPS CV SR. 2 PCS. MF 14X1 1000314X125 HAND TAPS CV SR. 2 PCS. MF 14X1,25 1000314X15 HAND TAPS CV SR. 2 PCS. MF 14X1,5		
10017 10032	 100171" MALE CONICAL CV THREAD GAS BSPT 1" 100171.1/2 MALE CONICAL CV THREAD GAS BSPT 1.1/2 100171.1/4 MALE CONICAL CV THREAD GAS BSPT 1.1/4 100171/2 MALE CONICAL CV THREAD GAS BSPT 1/2 100171/4 MALE CONICAL CV THREAD GAS BSPT 1/4 100171/8 MALE CONICAL CV THREAD GAS BSPT 1/8 100172" MALE CONICAL CV THREAD GAS BSPT 2" 100173/4 MALE CONICAL CV THREAD GAS BSPT 3/4 100173/8 MALE CONICAL CV THREAD GAS BSPT 3/8	- -	C.V. C.V.
10030	 1003003X05 MACHINE TAPS C.V. FOR NUTS M 3X0,5 1003004X07 MACHINE TAPS C.V. FOR NUTS M 4X0,7 1003005X08 MACHINE TAPS C.V. FOR NUTS M 5X0,8 1003006X1 MACHINE TAPS C.V. FOR NUTS M 6X1 1003008X125 MACHINE TAPS C.V. FOR NUTS M 8X1,25 1003010X15 MACHINE TAPS C.V. FOR NUTS M 10X1,5 1003012X175 MACHINE TAPS C.V. FOR NUTS M 12X1,75	357	C.V.

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