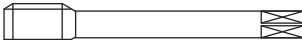


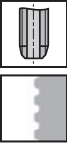
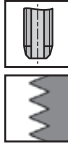
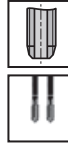
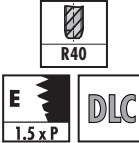
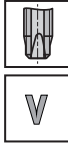
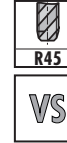
G

Rubrica — Maschi a macchina G (BSP) DIN EN ISO 228

		N						
Caractéristiques Caratteristiche			 V	 TiN	 R40	 R40 V	 R40 TiN	 R40 V
			 					
Genre de trou Tipo di foro								
								
		N410-3	N420-4 N420V-4	N420TN-4	N460-3	N460V-3	N460TN-3	N462V-3
DIN longue DIN lungo	DIN 5156	204	205	205	206	206	206	206
DIN longue DIN lungo	~ DIN 376							
DIN courte DIN corto	DIN 5157							
LH Filetage à gauche LH Filettatura sinistra	DIN 5156	204						

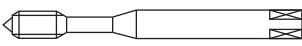
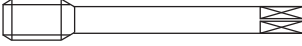
G

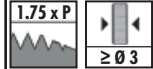
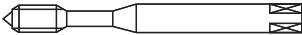
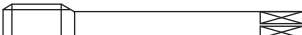
Répertoire — Tarauds à machine et à main G (BSP) DIN EN ISO 228
 Rubrica — Maschi a macchina e a mano G (BSP) DIN EN ISO 228

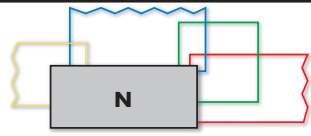
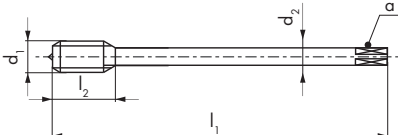
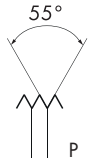
N			W		Z			
								
								
								
N210-1	N210-3	N210-S	W460-5	W460DL-5	Z420V-4	Z420VS-4	Z460V-3	Z470VS-3
			207	207	208	208	208	
								209
213	213	213						

G

Répertoire — Tarauds à machine G (BSP) DIN EN ISO 228
Rubrica — Maschi a macchina G (BSP) DIN EN ISO 228

	H	GG	QTAP		RTS	
Caractéristiques Caratteristiche	 R25	 R15  NV	 VS	 VS	 VS	 E 1.5xP  VS
			  NEW NEW	  NEW NEW		
Genre de trou Tipo di foro						
						
	H450-3	GG450NV-3	Q420VS-4 Q423VS-4	Q460VS-3 Q463VS-3	RTS462VS-3	RTS462VS-5
DIN longue DIN lungo DIN 5156	207	207	210	211		
DIN longue DIN lungo ~ DIN 376					212	212
DIN courte DIN corto DIN 5157						
LH Filetage à gauche LH Filettatura sinistra DIN 5156						

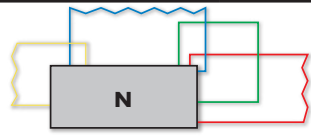
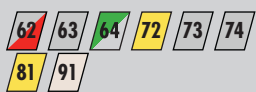
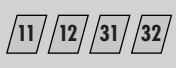
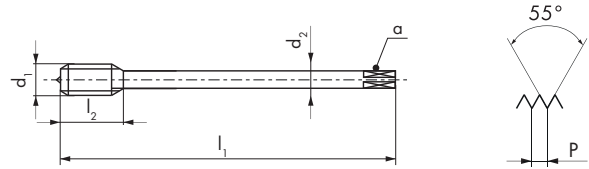
	N					
Caractéristiques Caratteristiche		 		 		HSS 
						
Genre de trou Tipo di foro						
				N1110-3	N1120-4	
ISO courte ISO corto ISO 529				216 - 217	216	
W ISO 529				216 - 217	216	
SV ISO 529				217		
	N420-3	N410-3	D5800	N1210-3	N1220-4	N5120
DIN longue DIN lungo DIN 5156	214					
DIN longue DIN lungo DC		214	215			
ISO courte ISO corto ISO 529				216 - 217	216	
Rp DIN 5156	214					
Rc DC		214	215			
W ISO 529				216	216	
SV ISO 529 / DC				217		217

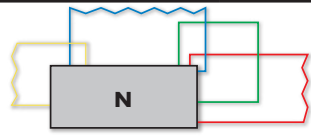
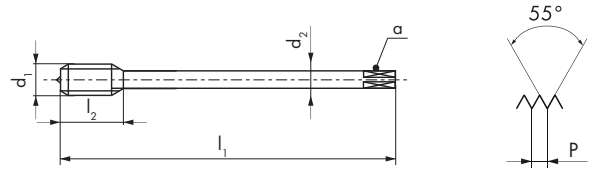
									N410-3	N410-3 LH		
N410-3  									 			
N410-3 LH  LH 									 			
 									 			
Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm			ID	ID		
1/8	28	9.72	90	22	7	5.5	3	8.75	● 101855			
1/4	19	13.15	100	20	11	9	3	11.6	● 101853	● 101854		
3/8	19	16.66	100	20	12	9	4	15.2	● 101861	● 101862		
1/2	14	20.95	125	22	16	12	4	18.9	● 101851	● 101852		
3/4	14	26.44	140	28	20	16	4	24.4	● 101859			
1	11	33.24	160	32	25	20	4	30.7	● 101857			
1 1/4	11	41.91	170	32	32	24	5	39.3	● 101850			
1 1/2	11	47.8	190	32	36	29	5	45.2	● 101849			

G DIN EN ISO 228 (BSP)

HSSE



										N420-4	N420V-4	N420TN-4	
N420-4  													
N420V-4  													
N420TN-4  													
													
Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm				ID	ID	ID	
1/16	28	7.72	90	18	6	4.9	3	6.75		• 102045			
1/8	28	9.72	90	22	7	5.5	3	8.75		• 102048	• 102258	• 102236	
1/4	19	13.15	100	20	11	9	3	11.6		• 102047	• 102257	• 102235	
3/8	19	16.66	100	20	12	9	3	15.2		• 102053	• 102261	• 102238	
1/2	14	20.95	125	22	16	12	4	18.9		• 102046	• 102256	• 102234	
5/8	14	22.91	125	25	18	14.5	4	20.9		• 102054	• 144722		
3/4	14	26.44	140	28	20	16	4	24.4		• 102052	• 102260	• 102237	
1	11	33.24	160	32	25	20	4	30.7		• 102049	• 102259		
1 1/4	11	41.91	170	32	32	24	5	39.3		• 102043			
1 1/2	11	47.8	190	32	36	29	5	45.2		• 102042			
2	11	59.61	220	36	45	35	5	57		• 102051			
2 1/2	11	75.18	280	36	50	39	6	72.6		• 102050			

									N460-3	N460V-3	N460TN-3	N462V-3
N460-3  												
N460V-3   												
N460TN-3   												
N462V-3   												
												
Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm			ID	ID	ID	ID
1/16	28	7.72	90	12.5	6	4.9	3	6.75	● 102341			
1/8	28	9.72	90	14	7	5.5	3	8.75	● 102344	● 102457	● 102444	● 143687
1/4	19	13.15	100	14	11	9	3	11.6	● 102343	● 102456	● 102443	● 143600
3/8	19	16.66	100	14	12	9	4	15.2	● 102348	● 102460	● 102446	● 143431
1/2	14	20.95	125	20	16	12	4	18.9	● 102342	● 102455	● 102442	● 143921
5/8	14	22.91	125	20	18	14.5	4	20.9	● 102349	● 143711		
3/4	14	26.44	140	22	20	16	4	24.4	● 102347	● 102459	● 102445	● 143688
1	11	33.24	160	26	25	20	4	30.7	● 102345	● 102458		
1 1/4	11	41.91	170	30	32	24	5	39.3	● 102340	● 111608		
1 1/2	11	47.8	190	35	36	29	5	45.2	● 102339	● 111609		
2	11	59.61	220	41	45	35	6	57	● 102346	● 111503		

G DIN EN ISO 228 (BSP)

≤ Ø 25.4 > Ø 25.4

HSSE
W

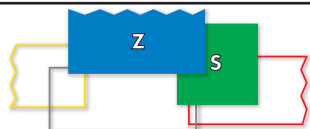
PM
H/GG

HSSE
H/GG



									W460-5	W460DL-5	H450-3	GG450NV-3
W460-5 71 72 81												
W460DL-5 71 72 73												
H450-3 15 16 62 64 82												
GG450NV-3 31												
Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm			ID	ID	ID	ID
1/8	28	9.72	90	14	7	5.5	3	8.75	● 119350	● 176728	● 101298	
1/4	19	13.15	100	14	11	9	* 4	11.6	● 119300	● 176729	● 101297	
3/8	19	16.66	100	14	12	9	4	15.2	● 119682	● 176730	● 101301	
1/2	14	20.95	125	20	16	12	4	18.9	● 119199	● 176731	● 101296	
3/4	14	26.44	140	22	20	16	4	24.4			● 101300	
1	11	33.24	160	26	25	20	4	30.7			● 101299	
* W460-5 = 3 * W460DL-5 = 3												
Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm			ID			
1/8	28	9.72	90	22	7	5.5	4	8.75			● 102309	
1/4	19	13.15	100	20	11	9	4	11.6			● 102308	
3/8	19	16.66	100	20	12	9	4	15.2			● 102312	
1/2	14	20.95	125	22	16	12	4	18.9			● 102307	
3/4	14	26.44	140	28	20	16	4	24.4			● 102311	
1	11	33.24	160	32	25	20	4	30.7			● 102310	

Z N									Z420V-4	Z420VS-4	Z460V-3	
Z420V-4 V 11121321 32 Z420VS-4 VS 11121314 21222332 616394 Z460V-3 R40 V 122132												
< 2.5 x D												
55° P									B 4 x P	B 4 x P	C 2.5 x P	
Ø" d₁ G P TPI d₁ mm l₁ mm l₂ mm d₂ mm a mm	ID	ID										
1/8	28	9.72	90	22	7	5.5	3	8.75	● 142794	● 142800		
1/4	19	13.15	100	20	11	9	3	11.6	● 142795	● 119303		
3/8	19	16.66	100	20	12	9	3	15.2	● 142796	● 142802		
1/2	14	20.95	125	22	16	12	4	18.9	● 142797	● 142803		
3/4	14	26.44	140	28	20	16	4	24.4	● 142798			
1	11	33.24	160	32	25	20	4	30.7	● 142799			
Ø" d₁	P	d₁	l₁	l₂	d₂	a			ID			
1/8	28	9.72	90	14	7	5.5	3	8.75	● 104726			
1/4	19	13.15	100	14	11	9	3	11.6	● 104725			
3/8	19	16.66	100	14	12	9	4	15.2	● 104728			
1/2	14	20.95	125	20	16	12	4	18.9	● 104724			
3/4	14	26.44	140	22	20	16	4	24.4	● 104727			
1	11	33.24	160	26	25	20	4	30.7	● 105142			



Z470VS-3



VS



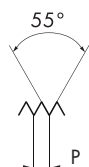
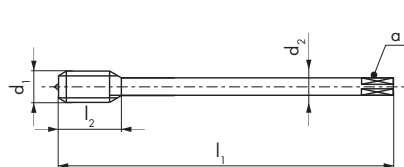
Z470VS-3



VS



Z470VS-3



Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ h ₆ mm	a mm		
1/8	28	9.72	100	14	* 8	* 6.2	3	8.75
1/4	19	13.15	110	14	* 12	* 9	4	11.6
3/8	19	16.66	110	18	12	9	4	15.2
1/2	14	20.95	125	20	16	12	4	18.9

* Norme DC / * DC Norm/ * Norma DC

ID

- 165198
- 165199
- 165200
- 165201

QTAP

Q420VS-4



VS

Q423VS-4



VS



Q420VS-4

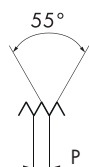
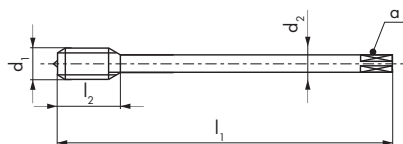
Q423VS-4



NEW



NEW



$\frac{\text{Ø}'' d_1}{G}$	P TPI	d_1 mm	l_1 mm	l_2 mm	d_2 mm	a mm		
1/8	28	9.72	90	22	7	5.5	3	8.75
1/4	19	13.15	100	20	11	9	3	11.6
3/8	19	16.66	100	20	12	9	3	15.2
1/2	14	20.95	125	22	16	12	4	18.9

ID

ID

● 196312	● 197645
● 196313	● 197646
● 196314	● 197647
● 196315	● 197648

QTAP

Q460VS-3



VS

Q463VS-3



VS



Q460VS-3

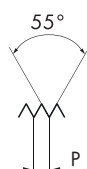
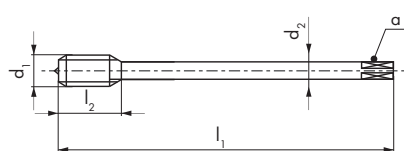
Q463VS-3



NEW



NEW



Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm		
1/8	28	9.72	90	14	7	5.5	3	8.75
1/4	19	13.15	100	14	11	9	3	11.6
3/8	19	16.66	100	14	12	9	4	15.2
1/2	14	20.95	125	20	16	12	4	18.9

ID

ID

● 196316	● 197649
● 196317	● 197650
● 196318	● 197651
● 196319	● 197652



Uniquement pour taraudage synchrone
Nur für Synchronbearbeitung
Only for rigid tapping
Solo per maschiatura sincrona
Solo para roscado sincronizado
Только для rigid tapping

PM



RTS

Rigid Tapping Synchro

RTS462VS-3



VS

RTS462VS-5

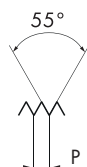
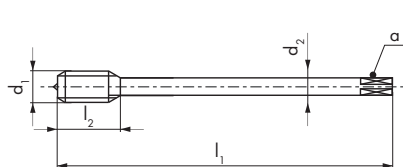


VS



RTS462VS-3

RTS462VS-5



Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ h6 mm	a mm		
1/8	28	9.72	100	14	* 8	* 6.2	3	8.75
1/4	19	13.15	110	14	* 12	* 9	3	11.6
3/8	19	16.66	110	18	12	9	4	15.2
1/2	14	20.95	125	20	16	12	4	18.9

* Norme DC / * DC Norm/ * Norma DC

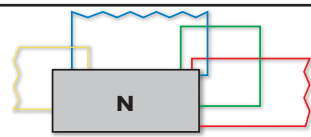
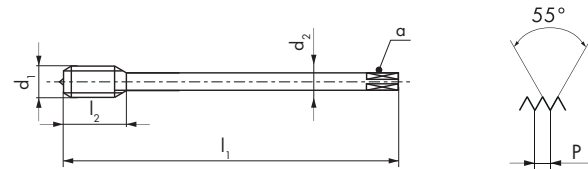
ID

ID

- 151861
- 151868
- 151872
- 150685
- 170629
- 170631
- 170633
- 170635

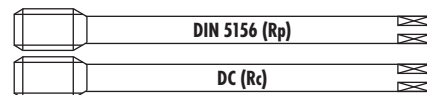


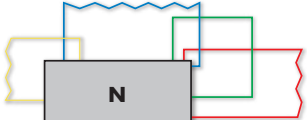
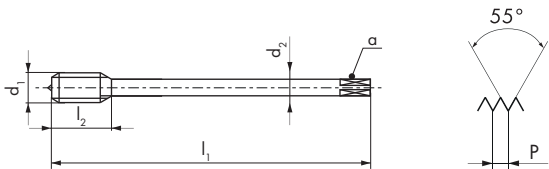
sur demande
auf Anfrage
on request
su richiesta
sobre pedido
по запросу

									N210-1	N210-3	N210-S	
N210-1 N210-3 31 62 73 74 91 N210-S									  			
										 < 1.5 x D	 < 2.5 x D	
										 C 2 x P		
Ø" d ₁ G	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm			ID	ID	ID	
1/16	28	7.72	63	18	6	4.9	3	6.75		● 101418		
1/8	28	9.72	63	22	7	5.5	3	8.75	● 101404	● 101421	● 119386	
1/4	19	13.15	70	20	11	9	3	11.6	● 101403	● 101420	● 119336	
3/8	19	16.66	70	20	12	9	4	15.2	● 101409	● 101427	● 110938	
1/2	14	20.95	80	22	16	12	4	18.9	● 101402	● 101419	● 119264	
5/8	14	22.91	80	25	18	14.5	4	20.9	● 101411	● 105140	● 110940	
3/4	14	26.44	90	28	20	16	4	24.4	● 101408	● 101426	● 110937	
1	11	33.24	100	32	25	20	4	30.7	● 101405	● 101422	● 110933	
1 1/8	11	37.89	125	32	28	22	4	35.3		● 101415		
1 1/4	11	41.91	125	32	32	24	5	39.3	● 101400	● 101414	● 111425	
1 1/2	11	47.8	140	32	36	29	5	45.2	● 101399	● 101413	● 110934	
2	11	59.61	160	36	45	35	5	57	● 101407	● 101425	● 110935	
2 1/2	11	75.18	160	36	50	39	6	72.6		● 101423		

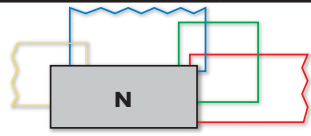
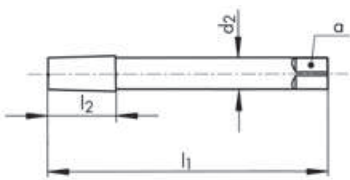
Rp, Rc DIN EN 10226

HSSE



	N420-3			N410-3																																																																											
N420-3  626364727374 8191																																																																															
N410-3  316274				 1:16																																																																											
	 2.5 x P			 C 2 x P																																																																											
<table><tr><th>Ø" d₁ Rp</th><th>P TPI</th><th>d₁ mm</th><th>l₁ mm</th><th>l₂ mm</th><th>d₂ mm</th><th>a mm</th><th></th><th></th><th>ID</th></tr><tr><td>1/8</td><td>28</td><td>9.72</td><td>90</td><td>22</td><td>7</td><td>5.5</td><td>3</td><td>8.6</td><td>● 104911</td></tr><tr><td>1/4</td><td>19</td><td>13.15</td><td>100</td><td>20</td><td>11</td><td>9</td><td>3</td><td>11.5</td><td>● 104912</td></tr><tr><td>3/8</td><td>19</td><td>16.66</td><td>100</td><td>20</td><td>12</td><td>9</td><td>3</td><td>15</td><td>● 104913</td></tr><tr><td>1/2</td><td>14</td><td>20.95</td><td>125</td><td>22</td><td>16</td><td>12</td><td>4</td><td>18.5</td><td>● 104914</td></tr><tr><td>3/4</td><td>14</td><td>26.44</td><td>140</td><td>28</td><td>20</td><td>16</td><td>4</td><td>24</td><td>● 104915</td></tr><tr><td>1</td><td>11</td><td>33.24</td><td>160</td><td>32</td><td>25</td><td>20</td><td>4</td><td>30.25</td><td>● 104916</td></tr></table>	Ø" d ₁ Rp	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm			ID	1/8	28	9.72	90	22	7	5.5	3	8.6	● 104911	1/4	19	13.15	100	20	11	9	3	11.5	● 104912	3/8	19	16.66	100	20	12	9	3	15	● 104913	1/2	14	20.95	125	22	16	12	4	18.5	● 104914	3/4	14	26.44	140	28	20	16	4	24	● 104915	1	11	33.24	160	32	25	20	4	30.25	● 104916									
Ø" d ₁ Rp	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm			ID																																																																						
1/8	28	9.72	90	22	7	5.5	3	8.6	● 104911																																																																						
1/4	19	13.15	100	20	11	9	3	11.5	● 104912																																																																						
3/8	19	16.66	100	20	12	9	3	15	● 104913																																																																						
1/2	14	20.95	125	22	16	12	4	18.5	● 104914																																																																						
3/4	14	26.44	140	28	20	16	4	24	● 104915																																																																						
1	11	33.24	160	32	25	20	4	30.25	● 104916																																																																						
<table><tr><th>Ø" d₁ Rc</th><th>P TPI</th><th>d₁ mm</th><th>l₁ mm</th><th>l₂ mm</th><th>d₂ mm</th><th>a mm</th><th></th><th>ID</th></tr><tr><td>1/8</td><td>28</td><td>9.72</td><td>71</td><td>13</td><td>8</td><td>6.2</td><td>5</td><td>● 104917</td></tr><tr><td>1/4</td><td>19</td><td>13.15</td><td>80</td><td>20</td><td>11</td><td>9</td><td>5</td><td>● 104918</td></tr><tr><td>3/8</td><td>19</td><td>16.66</td><td>90</td><td>20</td><td>12</td><td>9</td><td>5</td><td>● 104919</td></tr><tr><td>1/2</td><td>14</td><td>20.95</td><td>100</td><td>26</td><td>16</td><td>12</td><td>5</td><td>● 104920</td></tr><tr><td>3/4</td><td>14</td><td>26.44</td><td>110</td><td>26</td><td>20</td><td>16</td><td>5</td><td>● 104921</td></tr><tr><td>1</td><td>11</td><td>33.24</td><td>125</td><td>32</td><td>25</td><td>20</td><td>5</td><td>● 104922</td></tr></table>	Ø" d ₁ Rc	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm		ID	1/8	28	9.72	71	13	8	6.2	5	● 104917	1/4	19	13.15	80	20	11	9	5	● 104918	3/8	19	16.66	90	20	12	9	5	● 104919	1/2	14	20.95	100	26	16	12	5	● 104920	3/4	14	26.44	110	26	20	16	5	● 104921	1	11	33.24	125	32	25	20	5	● 104922																
Ø" d ₁ Rc	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm		ID																																																																							
1/8	28	9.72	71	13	8	6.2	5	● 104917																																																																							
1/4	19	13.15	80	20	11	9	5	● 104918																																																																							
3/8	19	16.66	90	20	12	9	5	● 104919																																																																							
1/2	14	20.95	100	26	16	12	5	● 104920																																																																							
3/4	14	26.44	110	26	20	16	5	● 104921																																																																							
1	11	33.24	125	32	25	20	5	● 104922																																																																							

Vc (m/min) Ø d1 - Guide Line				
Rc	1/16" - 1/4"	3/8" - 1/2"	3/4" - 1"	1.1/4" - 2"
 31 74	10	8	7	5
 62	18	15	13	10

					D5800			
D5800 								
								
Ø" Rc	l ₁ mm	l ₂ mm	d ₂ mm	a mm	ID			
1/16	70	17	6	4.9	● 118701			
1/8	70	17	8	6.2	● 110531			
1/4	80	27	10	8	● 110530			
3/8	85	27	12	9	● 110535			
1/2	95	35	16	12	● 110529			
3/4	105	35	20	16	● 110534			
1	130	43	25	20	● 110532			

Avant-trous pour filetages gaz coniques selon DIN EN 10226

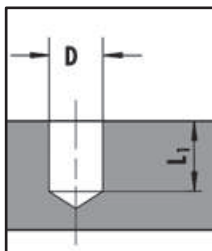
Prefori per filettature gas conici secondo DIN EN 10226

Avant-trous cylindriques

Usure plus rapide du taraud,
à éviter

Preforo cilindrico

Comporta un'usura più rapida
del maschio, da evitare

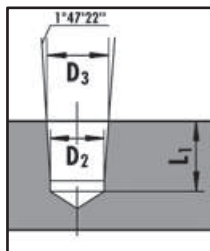


Avant-trous coniques 1:16

Perçer cylindrique selon Ø D₂
et aléser conique selon Ø D₃

Preforo conico 1:16

Forare con punta cilindrica
secondo il Ø D₂ e quindi
alesare conico secondo Ø D₃

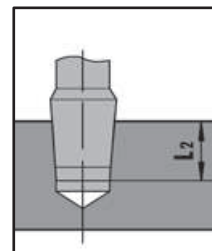


Taraudage

Tarauder jusqu'à la profondeur
L₂ = Ø nominale

Filettatura

Filettare fino alla profondità
L₂ = Ø nominale

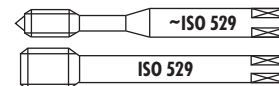


Ø" Rc	l ₁ min. mm	D ₁ mm	D ₂ mm	D ₃ mm	l ₂ mm
1/16	11.9	6.2	6.1	6.56	10.6
1/8	11.9	8.2	8.1	8.57	10.6
1/4	17.7	11	10.75	11.45	15.7
3/8	18.1	14.5	14.25	14.95	16.1
1/2	24	18	17.75	18.63	21.4
3/4	25.3	23.5	23	24.12	21.5
1	30.6	29.5	29	30.29	26.3

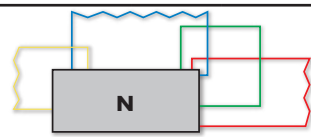
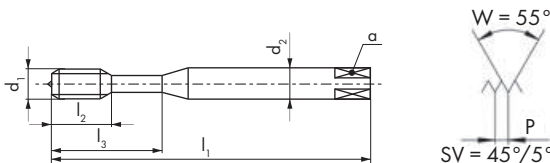
W

BS 84 (BSW)

HSS



										N1110-3	N1210-3	N1120-4	N1220-4
N1110-3			31	62	73	74	91						
N1210-3			31	62	73	74	91						
N1120-4			62	63	64	72	73	74	81	91			
N1220-4			62	63	64	72	73	74	81	91			
Ø" d ₁ W	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm			ID	ID	ID	ID
1/8	40	3.17	48	11	18	3.15	2.5	3	2.5	• 103025		• 103126	
5/32	32	3.96	53	13	21	4	3.15	3	3.1	• 103031		• 103130	
3/16	24	4.76	58	16	25	5	4	3	3.6	• 103026		• 103127	
1/4	20	6.35	66	19	30	6.3	5	3	4.9	• 103024		• 103125	
5/16	18	7.93	72	22	35	8	6.3	3	6.4	• 103030		• 103129	
3/8	16	9.52	80	24	39	10	8	3	7.7	• 103028		• 103128	
7/16	14	11.11	85	22		8	6.3	3	9.1		• 103642		• 103771
1/2	12	12.7	89	24		9	7.1	3	10.3		• 103634		• 103767
5/8	11	15.87	102	32		12.5	10	3	13.3		• 103641		• 103770
3/4	10	19.05	112	33		14	11.2	3	16.2		• 103640		• 103769

										N1110-3		N1210-3		N5120			
N1110-3 31 62 73 74 91 N1210-3 31 62 73 74 91 N5120 ≥ Ø 3 11 12 <td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td>																	
										 < 1.5 x D		 < 1.5 x D					
										 C 2 x P		 C 2 x P		 1.75 x P			
Ø d₁ W P TPI/mm B6 58 16 25 d₂ mm a mm  										ID							
5 36/TPI/1" B6 58 16 25 5 4 3 4.3*										● 103029							
6.82 0.625 B8 66 19 30 7.1 5.6 3 6.2*										● 111143							
Ø d₁ SV P mm W10 80 24 39 d₂ mm a mm  										ID		ID					
10 0.833 W10 80 24 39 10 8 3 * 8.9										● 130429							
12 1.25 W12 89 24 9 7.1 3 * 10.5												● 103591					
15 1.25 W15 90 23 11.2 9 3 * 13.5												● 103592					
20 1.666 W20 112 37 14 11.2 4 * 17.9												● 103593					
25 1.693 W25 120 30 18 14 4 * 22.75												● 103594					
												</					