

UNF, UNEF, UNS, UN

Указатель – Машинные и ручные метчики, ANSI B1.1
 Skorowidz – Gwintowniki maszynowe i ręczne ANSI B1.1

		N						
Характеристики Cechy charakterystyczne				 V	 R40	 R40 V	 	
Типы отверстий Typ otworu								
		N310-3	N320-3 N320-4	N320V-4	N360-3	N360V-3	N1110 -1-3-S	N1120-4
Длинный по DIN DIN długi	DIN 371	134	134	134	136	136		
Короткий по ISO ISO krótki	ISO 529						148	150
Класс точности Tolerancja	UNF 2B	134	134	134	136	136	148	
Класс точности Tolerancja	UNJF 3B							
Класс точности Tolerancja	UNF(J) 3B		134		136			
Класс точности Tolerancja	UNEF 2B						150	150
Класс точности Tolerancja	UNS 2B							
Класс точности Tolerancja	UN 2B							
		N410-3	N420-4	N420V-4	N460-3	N460V-3	N1210 -1-3-S	N1220-4
Длинный по DIN DIN długi	DIN 374	135/151	135	135	137	137		
Короткий по ISO ISO krótki	ISO 529						149	150
Класс точности Tolerancja	UNF 2B	135	135	135	137	137	149	
Класс точности Tolerancja	UNJF 3B							
Класс точности Tolerancja	UNF(J) 3B		135		137			
Класс точности Tolerancja	UNEF 2B						150	150
Класс точности Tolerancja	UNS 2B	151			151	151		
Класс точности Tolerancja	UN 2B				151	151		






















UNF, UNJF

Указатель - Машинные метчики, ANSI B1.1 / ASME B1.15

Spis treści - Gwintowniki maszynowe ANSI B1.1 / ASME B1.15

Z			H		S		SA	
								
V	V	VS			VS	VS		
								
								
Z320V-4	Z360V-3	Z370VS-3	H320-4	H350-3	S320VS-4	S360VS-3	SA320-4	SA320-4
138	138	139	140	141	142	142	143	145
138	138	139	140	141		142	143	145
		139			142	142	143	
Z420V-4	Z460V-3	Z470VS-3	H420-4	H450-3	S420VS-4	S460VS-3	SA420-4	
138	138	139	140	141	142	142	144	
138	138	139	140	141		142	144	
					142	142	144	

UNF, UNJF, UNS, UN

	SA		TL		RTS		
Характеристики Cechy charakterystyczne			 VS	  VS	 VS	 VS	
							
Типы отверстий Typ otworu							
	SA350-3	SA390-3	TL320VS-4	TL351VS-3	RTS320VS-4	RTS362VS-3	
Длинный по DIN DIN długi	DIN 371						
	143	145	143	143	146	146	
Длинный по DIN DIN długi	~ DIN 2184-1						
Класс точности Tolerancja	UNF 2B		143	143	146	146	
Класс точности Tolerancja	UNF(J) 3B	143	145	143	143		
Класс точности Tolerancja	UNEF 2B						
Класс точности Tolerancja	UNS 2B						
Класс точности Tolerancja	UN 2B						
	SA450-3		TL420VS-4	TL451VS-3	RTS420VS-4	RTS462VS-3	
Длинный по DIN DIN długi	DIN 374						
	144		144	144	146	146	
Длинный по DIN DIN długi	~ DIN 2184-1						
Класс точности Tolerancja	UNF 2B	144		144	146	146	
Класс точности Tolerancja	UNF(J) 3B	144	144	144			
Класс точности Tolerancja	UNEF 2B						
Класс точности Tolerancja	UNS 2B						
Класс точности Tolerancja	UN 2B						

UNF ANSI B1.1

≤ Ø 2.8 > Ø 2.8

PM **HSSE**



										N310-3	N320-3	N320-4	N320V-4
N310-3													
N320-3													
N320-4													
N320V-4	V												
Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm			ID	ID	ID	ID
0	80	1.52	40	7.0		2.5	2.1	2	1.20		101475		
1	72	1.85	40	8.0		2.5	2.1	2	1.50		* 101476		
2	64	2.18	45	9.0		2.8	2.1	2	1.80		101477		
4	48	2.84	56	12.0	18	3.5	2.7	3	2.35			128847	
5	44	3.17	56	12.0	18	3.5	2.7	3	2.60			142764	
6	40	3.50	56	13.0	20	4.0	3.0	3	2.90			101519	142765
8	36	4.16	63	14.0	21	4.5	3.4	3	3.50			101520	
10	32	4.82	70	15.0	25	6.0	4.9	3	4.05			101517	142766
12	28	5.48	80	17.0	30	6.0	4.9	3	4.60			101518	
1/4	28	6.35	80	17.0	30	7.0	5.5	3	5.50	101453		101516	142767
Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm			ID	ID	ID	ID
10	32	4.82	70	15.0	25	6.0	4.9	3	4.15			135506	
1/4	28	6.35	80	17.0	30	7.0	5.5	3	5.55			155323	

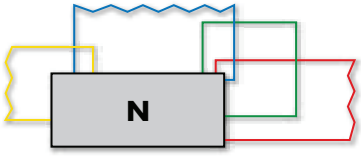









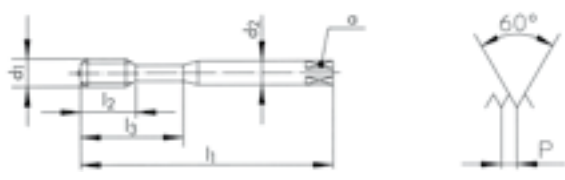









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HSSE



										N410-3	N420-4	N420V-4	
N410-3													
N420-4													
N420V-4													
$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	d_2 mm	a mm			$\rightarrow \leftarrow$	ID	ID	ID	
5/16	24	7.93	90	20.0	6.0	4.9	3	6.90		102004	102223	142774	
3/8	24	9.52	100	22.0	7.0	5.5	3	8.50		102003	102222	142775	
7/16	20	11.11	100	19.0	8.0	6.2	3	9.80		102006	102225	142776	
1/2	20	12.70	100	24.0	9.0	7.0	3	11.40		102000	102219	142777	
9/16	18	14.28	100	24.0	11.0	9.0	3	12.90			102227		
5/8	18	15.87	100	26.0	12.0	9.0	3	14.50		102005	102224	142778	
3/4	16	19.05	125	33.0	14.0	11.0	4	17.50		102002	102221	142779	
7/8	14	22.22	140	36.0	18.0	14.5	4	20.40		* 102007	102226		
1	12	25.40	160	39.0	18.0	14.5	4	23.30			102220	142780	
1 1/8	12	28.57	180	39.0	22.0	18.0	4	26.50			142773		
1 1/4	12	31.75	180	39.0	22.0	18.0	4	29.70			102218		
1 3/8	12	34.92	200	36.0	28.0	22.0	4	32.80			105137		
1 1/2	12	38.10	200	41.0	32.0	24.0	4	36.00		* 110986	105138		
$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	d_2 mm	a mm			UNF	ID			
5/16	24	7.93	90	20.0	6.0	4.9	3	7.00			155328		
3/8	24	9.52	100	22.0	7.0	5.5	3	8.60			155326		
7/16	20	11.11	100	19.0	8.0	6.2	3	10.00			155330		
1/2	20	12.70	100	24.0	9.0	7.0	3	11.55			155321		

UNF

										N360-3	N360V-3		
										 			
<p>N360-3</p>  													
<p>N360V-3</p>   													
										 			
										 			
										 			
$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm			ID	ID		
6	40	3.50	56	6.5	20	4.0	3.0	3	2.90	101686			
8	36	4.16	63	7.5	21	4.5	3.4	3	3.50	* 101687	* 101733		
10	32	4.82	70	9.0	25	6.0	4.9	3	4.05	101682	101730		
12	28	5.48	80	11.0	30	6.0	4.9	3	4.60	101683			
1/4	28	6.35	80	11.0	30	7.0	5.5	3	5.50	101681	101729		
5/16	24	7.93	90	12.5	35	8.0	6.2	3	6.90	101685	101732		
3/8	24	9.52	100	14.0	39	10.0	8.0	3	8.50	101684	101731		
													
$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm			ID			
10	32	4.82	70	9.0	25	6.0	4.9	3	4.15	155325			
1/4	28	6.35	80	11.0	30	7.0	5.5	3	5.55	155324			
5/16	24	7.93	90	12.5	35	8.0	6.2	3	7.00	155329			
3/8	24	9.52	100	14.0	39	10.0	8.0	3	8.60	155327			

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HSSE



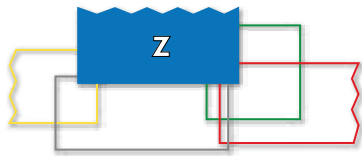
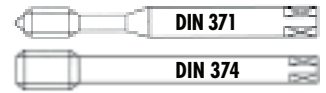
		N		N460-3	N460V-3				
\varnothing " d_1	P	d_1	l_1	l_2	d_2	α		ID	ID
7/16	20	11.11	100	14.0	8.0	6.2	3	102434	142781
1/2	20	12.70	100	14.0	9.0	7.0	3	102430	102503
9/16	18	14.28	100	14.0	11.0	9.0	3	102436	143422
5/8	18	15.87	100	14.0	12.0	9.0	3	102433	143097
3/4	16	19.05	125	18.0	14.0	11.0	4	102432	102505
7/8	14	22.22	140	20.0	18.0	14.5	4	102435	144714
1	12	25.40	160	27.0	18.0	14.5	4	102431	102504
1 1/8	12	28.57	180	24.0	22.0	18.0	4	102429	144414
1 1/4	12	31.75	180	24.0	22.0	18.0	4	102428	151709
1 1/2	12	38.10	200	30.0	32.0	24.0	5	102427	148793
\varnothing " d_1	P	d_1	l_1	l_2	d_2	α		ID	
7/16	20	11.11	100	14.0	8.0	6.2	3	155331	
1/2	20	12.70	100	14.0	9.0	7.0	3	155322	

UNF

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Z .20 Z .60

PM **HSSE**



Z320V-4 **Z420V-4** **Z360V-3** **Z460V-3**

Z320V-4



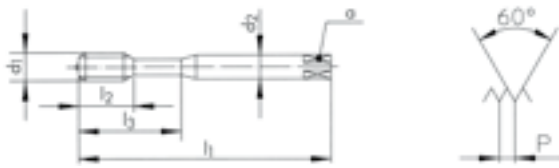
Z420V-4



Z360V-3



Z460V-3



2B

2B

2B

2B

Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm		
10	32	4.82	70	15.0	25	6.0	4.9	3	4.05
1/4	28	6.35	80	17.0	30	7.0	5.5	3	5.50
5/16	24	7.93	90	20.0	35	8.0	6.2	3	6.90
3/8	24	9.52	100	22.0	39	10.0	8.0	3	8.50
7/16	20	11.11	100	19.0		8.0	6.2	3	9.80
1/2	20	12.70	100	24.0		9.0	7.0	3	11.40

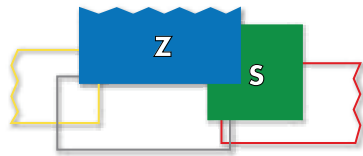
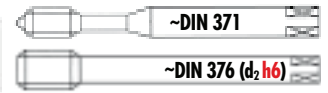
ID	ID
142783	
142784	
142785	
142786	
	142787
	142788

Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm		
10	32	4.82	70	9.0	25	6.0	4.9	3	4.05
1/4	28	6.35	80	11.0	30	7.0	5.5	3	5.50
5/16	24	7.93	90	12.5	35	8.0	6.2	3	6.90
3/8	24	9.52	100	14.0	39	10.0	8.0	3	8.50
7/16	20	11.11	100	14.0		8.0	6.2	3	9.80
1/2	20	12.70	100	14.0		9.0	7.0	3	11.40
5/8	18	15.87	100	14.0		12.0	9.0	3	14.50
3/4	16	19.05	125	18.0		14.0	11.0	4	17.50

ID	ID
104680	
104679	
104682	
104681	
	104741
	104738
	104740
	104739

UNF ANSI B1.1

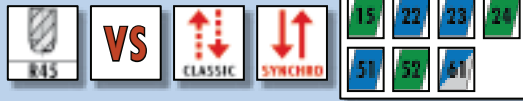
PM



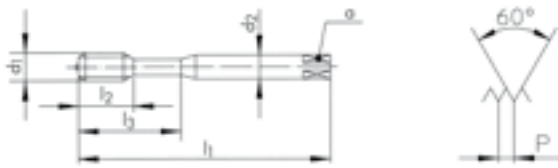
Z370VS-3

Z470VS-3

Z370VS-3



Z470VS-3



2BX

2BX

$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	$d_2 h6$ mm	α mm		
10	32	4.82	70	9.0	25	6.0	4.9	3	4.05
1/4	28	6.35	80	11.0	30	*6.0	*4.9	3	5.50
5/16	24	7.93	90	12.5	35	8.0	6.2	3	6.90
3/8	24	9.52	100	14.0	39	10.0	8.0	3	8.50
7/16	20	11.11	100	14.0		8.0	6.2	3	9.80
1/2	20	12.70	110	14.0		*10.0	*8.0	4	11.40

ID

ID

166136

166135

166134

166133

166138

166137

* Norme DC / * DC Norm / * Norma DC

3B
UNF(J)

$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	$d_2 h6$ mm	α mm		
10	32	4.82	70	9.0	25	6.0	4.9	3	4.15
1/4	28	6.35	80	11.0	30	*6.0	*4.9	3	5.55
5/16	24	7.93	90	12.5	35	8.0	6.2	3	7.00
3/8	24	9.52	100	14.0	39	10.0	8.0	3	8.60

ID

165121

165122

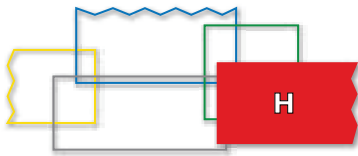
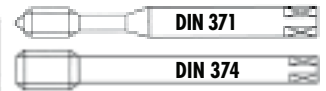
165123

165124

* Norme DC / * DC Norm / * Norma DC

UNF ANSI B1.1

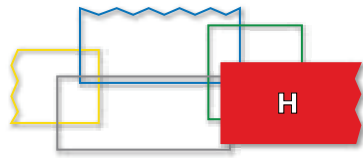
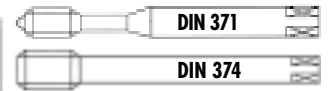
PM



										H320-4	H420-4		
H320-4													
H420-4													
										2B	2B		
\varnothing d ₁	P	d ₁	l ₁	l ₂	l ₃	d ₂	a			ID	ID		
UNF	TPI	mm	mm	mm	mm	mm	mm						
10	32	4.82	70	15.0	25	6.0	4.9	3	4.05	101228			
1/4	28	6.35	80	17.0	30	7.0	5.5	3	5.50	101227			
5/16	24	7.93	90	20.0	35	8.0	6.2	3	6.90	105139			
3/8	24	9.52	100	22.0	39	10.0	8.0	3	8.50	101229			
1/2	20	12.70	100	24.0		9.0	7.0	4	11.40		101291		

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PM



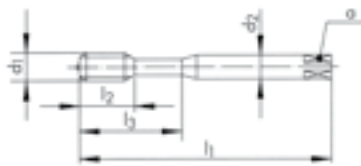
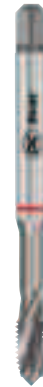
H350-3

H450-3

H350-3



H450-3



Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm		
10	32	4.82	70	9.0	25	6.0	4.9	3	4.05
1/4	28	6.35	80	11.0	30	7.0	5.5	3	5.50
5/16	24	7.93	90	12.5	35	8.0	6.2	3	6.90
3/8	24	9.52	100	14.0	39	10.0	8.0	3	8.50
7/16	20	11.11	100	14.0		8.0	6.2	3	9.80
1/2	20	12.70	100	14.0		9.0	7.0	4	11.40
5/8	18	15.87	100	14.0		12.0	9.0	4	14.50
3/4	16	19.05	125	18.0		14.0	11.0	4	17.50

ID

ID

101265

101264

101267

101266

101334

101331

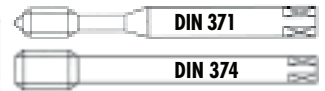
101333

101332

UNF

UNF ANSI B1.1

PM



										S320VS-4	S420VS-4	S360VS-3	S460VS-3
S320VS-4		VS											
S420VS-4		VS											
S360VS-3		VS											
S460VS-3		VS											
$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm			ID	ID		
10	32	4.82	70	15.0	25	6.0	4.9	3	4.15	111814			
1/4	28	6.35	80	17.0	30	7.0	5.5	3	5.55	111813			
5/16	24	7.93	90	20.0	35	8.0	6.2	3	7.00	111816			
3/8	24	9.52	100	22.0	39	10.0	8.0	3	8.60	111818			
7/16	20	11.11	100	22.0		8.0	6.2	3	10.00		111837		
$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm			ID	ID		
10	32	4.82	70	9.0	25	6.0	4.9	3	4.05			* 111581	
1/4	28	6.35	80	11.0	30	7.0	5.5	3	5.50			* 111582	
5/16	24	7.93	90	12.5	35	8.0	6.2	3	6.90			* 111583	
7/16	20	11.11	100	14.0		8.0	6.2	3	9.80				* 111585
1/2	20	12.70	100	14.0		9.0	7.0	4	11.40				* 111586
$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm			ID	ID		
10	32	4.82	70	9.0	25	6.0	4.9	3	4.15	111815			
1/4	28	6.35	80	11.0	30	7.0	5.5	3	5.55	111820			
5/16	24	7.93	90	12.5	35	8.0	6.2	3	7.00	111817			
3/8	24	9.52	100	14.0	39	10.0	8.0	3	8.60	111819			
7/16	20	11.11	100	14.0		8.0	6.2	3	10.00		111833		

aero

SA320-4

SA350-3

TL320VS-4

TL351VS-3

SA320-4



SA350-3



TL320VS-4



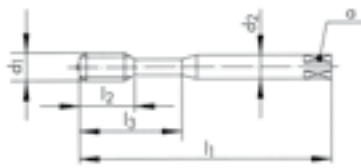
VS



TL351VS-3



VS



Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm		
10	32	4.82	70	15.0		6.0	4.9	3	4.05
1/4	28	6.35	80	15.0	23	7.0	5.5	3	5.50
5/16	24	7.93	90	18.0	29	8.0	6.2	3	6.90
3/8	24	9.52	100	20.0	33	10.0	8.0	3	8.50

ID	ID	ID	ID
149133	149135	* 152046	152047
149230	149232	* 152065	152066
149277	149279	* 152071	152072
149339	149341	* 152082	152083



Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm		
4	48	2.84	56	12.0		3.5	2.7	3	2.35
10	32	4.82	70	15.0		6.0	4.9	3	4.15
1/4	28	6.35	80	15.0	23	7.0	5.5	3	5.55
5/16	24	7.93	90	18.0	29	8.0	6.2	3	7.00
3/8	24	9.52	100	20.0	33	10.0	8.0	3	8.60

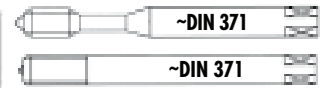
ID	ID	ID	ID
	149015		
146098	149138	* 148005	148004
146404	149235	* 148013	148012
146393	149282	* 148017	148016
147165	149344	* 148024	148023

aero

										SA420-4	SA450-3	TL420VS-4	TL451VS-3
\varnothing d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm				ID	ID	ID	ID
7/16	20	11.11	100	22.0	8.0	6.2	* 4	9.80		152286	152290		* 152298
1/2	20	12.70	100	24.0	9.0	7.0	4	11.40		152287	152291		* 152299
9/16	18	14.28	100	24.0	11.0	9.0	4	12.90		* 152288			
5/8	18	15.87	100	26.0	12.0	9.0	4	14.50		* 152289			
\varnothing d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm				ID	ID	ID	ID
7/16	20	11.11	100	22.0	8.0	6.2	* 4	10.00		147187	152302	* 152306	148031
1/2	20	12.70	100	24.0	9.0	7.0	4	11.55		147189	152303	* 152307	152310
9/16	18	14.28	100	24.0	11.0	9.0	4	13.05		146395			
5/8	18	15.87	100	26.0	12.0	9.0	4	14.60		147169			
										<p>* SA420-4 = 3</p> <p>* TL420VS-4 = 3</p>			

UNJF ASME B1.15 UNF ANSI B1.1

PM



aero

SA320-4

SA390-3

SA320-4



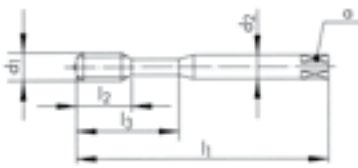
NEW



SA390-3



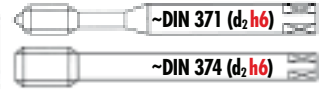
UNF



$\varnothing'' d_1$ UNJF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	α mm			ID
10	32	4.82	70	15.0		6.0	4.9	3	4.15	174976
1/4	28	6.35	80	15.0	23	7.0	5.5	3	5.55	175993
5/16	24	7.93	90	18.0	29	8.0	6.2	3	7.00	175995
3/8	24	9.52	100	20.0	33	10.0	8.0	3	8.60	175997



$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	d_2 mm	α mm			ID
10	32	4.82	70	15.0	6.0	4.9	3	4.15	149687
1/4	28	6.35	80	20.0	7.0	5.5	3	5.55	149715
5/16	24	7.93	90	25.0	8.0	6.2	3	7.00	149728
3/8	24	9.52	100	30.0	10.0	8.0	3	8.60	149745



RTS Rigid Tapping Synchro

RTS320VS-4



RTS420VS-4



RTS362VS-3



RTS462VS-3

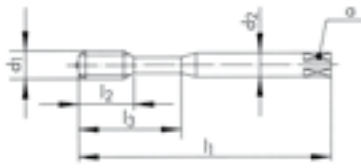


RTS320VS-4

RTS420VS-4

RTS362VS-3

RTS462VS-3



Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ h6 mm	a mm		
10	32	4.82	70	9.0	25	6.0	4.9	3	4.05
1/4	28	6.35	80	11.0	30	*6.0	*4.9	3	5.50
5/16	24	7.93	90	12.5	35	8.0	6.2	3	6.90
3/8	24	9.52	100	14.0	39	10.0	8.0	3	8.50
1/2	20	12.70	110	14.0		*10.0	*8.0	3	11.40

ID

ID

ID

ID

157409

157413

157410

157414

157411

157415

157412

157416

157417

157418

* Norme DC / * DC Norm / * Norma DC



sur demande
auf Anfrage
on request
su richiesta
sobre pedido

FS FPS FAS FORMING

FS380VS-5



11	12	13	14
15	21	22	23
24	41	51	61
63	71	72	73

FPS381VS-3

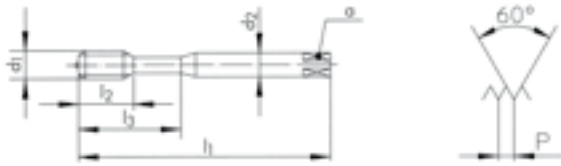


11	12	13	14	15
21	24	63		

FAS381VS-3



12	13	14	15	21	22
23	24	41	51	61	63



FS380VS-5



FPS381VS-3



FAS381VS-3



2BX

2BX

2BX

$\varnothing'' d_1$ UNF	P TPI	d_1 mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm	h mm	Tol.
0	80	1.52	40	4.6		2.5	1.37		+ 0.02
10	32	4.82	70	15.0	25	6.0	4.9	4.45	+ 0.03
1/4	28	6.35	80	17.0	30	7.0	5.5	5.95	+ 0.05
5/16	24	7.93	90	20.0	35	8.0	6.2	7.45	+ 0.05

ID

161498

ID

166718

166719

166720

ID

166730

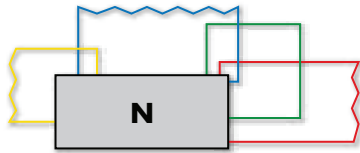
166731

166732

UNF ANSI B1.1

≤ Ø 2.8 > Ø 2.8

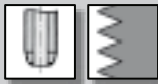
PM **HSS**



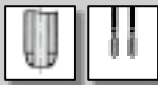
N1110-1



N1110-3



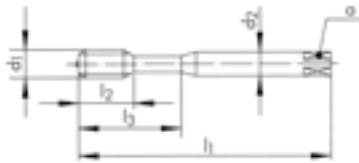
N1110-S



N1110-1

N1110-3

N1110-S



Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm		
0	80	1.52	40	7.0		2.50	2.10	3	1.20
1	72	1.85	40	8.0		2.50	2.10	3	1.50
4	48	2.84	48	11.0	18	3.15	2.50	3	2.35
8	36	4.16	53	13.0	21	4.50	3.55	3	3.50
10	32	4.82	58	16.0	25	5.00	4.00	3	4.05
12	28	5.48	62	17.0	26	5.60	4.50	3	4.60
1/4	28	6.35	66	19.0	30	6.30	5.00	3	5.50
5/16	24	7.93	72	22.0	35	8.00	6.30	3	6.90
3/8	24	9.52	80	24.0	39	10.00	8.00	3	8.50

ID

ID

ID

102811

103010

111079

102812

103011

111080

* 103018

* 103022

102814

103013

111082

* 102815

* 103014

* 111083

102813

103012

111081

102821

103020

111089

102818

103017

111086

UNF ANSI B1.1



									N1210-1	N1210-3	N1210-S			
N1210-1														
N1210-3														
N1210-S														
\varnothing UNF	d_1	P	d_1	l_1	l_2	d_2	α			ID	ID	ID		
		TPI	mm	mm	mm	mm	mm							
7/16	20	11.11	85	22.0	8.0	6.3	3	9.80		103411	103626	111255		
1/2	20	12.70	89	24.0	9.0	7.1	3	11.40		103407	103622	111251		
5/8	18	15.87	102	32.0	12.5	10.0	3	14.50		103410	103625	111254		
3/4	16	19.05	112	33.0	14.0	11.2	4	17.50		103409	103624	111253		
7/8	14	22.22	115	32.0	16.0	12.5	4	20.40		103412	103627	111256		
1	12	25.40	130	45.0	18.0	14.0	4	23.30		103408	103623	111252		

UNF

										N1110-3	N1120-4	N1210-3	N1220-4
N1110-3													
N1120-4													
N1210-3													
N1220-4													
\varnothing d ₁ UNEF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	a mm			ID	ID	ID	ID
12	32	5.48	62	17.0	26	5.6	4.5	3	4.70	103007	103118		
1/4	32	6.35	66	19.0	30	6.3	5.0	3	5.60	103006	103117		
5/16	32	7.93	72	22.0	35	8.0	6.3	3	7.20	103009	103120		
3/8	32	9.52	80	24.0	39	10.0	8.0	3	8.75	103008	103119		
7/16	28	11.11	85	22.0		8.0	6.3	3	10.25			103615	103754
1/2	28	12.70	89	24.0		9.0	7.1	3	11.85			103609	103749
9/16	24	14.28	95	24.0		11.2	9.0	3	13.20			103617	103756
5/8	24	15.87	102	32.0		12.5	10.0	3	14.80			103614	103753
11/16	24	17.46	104	26.0		14.0	11.2	4	16.40			103611	
3/4	20	19.05	112	33.0		14.0	11.2	4	17.80			103613	* 103752
7/8	20	22.22	115	32.0		16.0	12.5	4	21.00			103616	* 103755
1	20	25.40	120	30.0		18.0	14.0	4	24.10			103610	* 103750

UNS, UN ANSI B1.1



										N410-3	N460-3	N460V-3	
N410-3													
N460-3													
N460V-3													
$\varnothing'' d_1$	P	d_1	l_1	l_2	d_2	α				ID	ID	ID	
UNS	TPI	mm	mm	mm	mm	mm							
1/4	36	6.35	80	17.0	4.5	3.4	3	5.65	104899				
1/2	24	12.70	100	24.0	9.0	7.0	3	11.60	104900				
1	14	25.40	140	34.0	18.0	14.5	4	23.60	104898				
1	14	25.40	140	22.0	18.0	14.5	4	23.60		102437	142789		
$\varnothing'' d_1$	P	d_1	l_1	l_2	d_2	α				ID	ID		
UN	TPI	mm	mm	mm	mm	mm							
1 1/8	8	28.57	180	30.0	22.0	18.0	4	25.50		102415	142790		
1 1/4	8	31.75	180	30.0	22.0	18.0	4	28.70		102414	142520		
1 3/8	8	34.92	200	36.0	28.0	22.0	5	31.80		104896	142792		
1 1/2	8	38.10	200	40.0	32.0	24.0	5	35.00		102413	142793		
1 3/4	8	44.45	220	44.0	36.0	29.0	5	41.40			115198		
2	8	50.80	250	38.0	40.0	32.0	5	47.70			111622		

UNF, UNS, UN