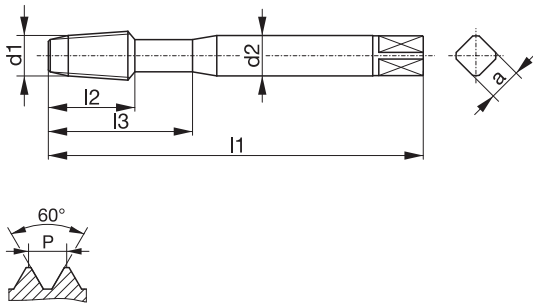





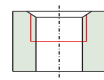





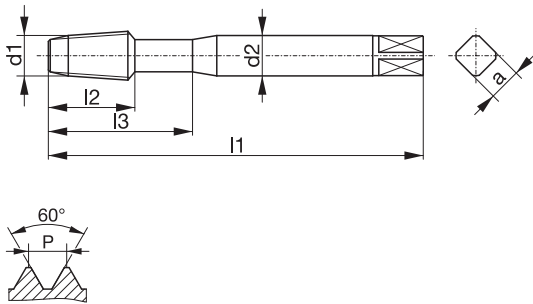




Typenbezeichnung / type / type / tipo / tipo	VARIO 1 N	VARIO 1 HZ	AVANT 1 VA15																																																																																		
<p>NPT-Amerikanisches Standard Rohrgewinde ASME B1.20.1 kegelig 1:16 American standard taper pipe thread ASME B1.20.1 tapered 1:16 Filetage conique américain tube ASME B1.20.1 conique 1:16 Filettatura conica americana ASME B1.20.1 conico 1:16 Rosca cónica para tubo norma americana ASME B1.20.1 cónico 1:16</p> 																																																																																					
Bohrung / bore / type de trou / fori / tipos de agujeros																																																																																					
Einsatzgebiet / application / application adatto per lavorazione di / aplicación	1.2-1.3 / 4.2 5.1-5.3	1.1-1.5 / 2.1-2.3 3.1-3.3 / 4.4 5.1-5.3	1.1-1.5 / 2.1-2.3 3.1-3.3 / 4.1-4.5																																																																																		
Ausführung / model / exécution / modello / modelo		AZ TIN	VAP																																																																																		
Werkstoff / tool material / substrat / materiale / material	HSSE	HSSE	HSSE																																																																																		
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Schafttoleranz / shank tolerance / tolérance de queue / tolleranza del gambo / tolerancia del mango	h9	h9	h9																																																																																		
Anschnitt / chamfer / entrée / imbocco / entrada	C / 2-3	C / 2-3	C / 2-3																																																																																		
<table border="1"> <thead> <tr> <th>Ød₁</th> <th>P</th> <th>l₁</th> <th>l₂</th> <th>l₃</th> <th>Ød₂</th> <th>a</th> <th></th> <th>Identnummer / identification number / code article / codice / número de identificación</th> </tr> </thead> <tbody> <tr> <td>NPT 1/16"</td> <td>27</td> <td>80</td> <td>13</td> <td>-</td> <td>6</td> <td>4,9</td> <td>6,15</td> <td>104417</td> </tr> <tr> <td>NPT 1/16"</td> <td>27</td> <td>80</td> <td>13</td> <td>-</td> <td>8</td> <td>6,2</td> <td>6,15</td> <td>107955</td> </tr> <tr> <td>NPT 1/8"</td> <td>27</td> <td>90</td> <td>13</td> <td>-</td> <td>11</td> <td>9</td> <td>8,4</td> <td>111349 107958</td> </tr> <tr> <td>NPT 1/8"</td> <td>27</td> <td>90</td> <td>13</td> <td>-</td> <td>7</td> <td>5,5</td> <td>8,4</td> <td>104420</td> </tr> <tr> <td>NPT 1/4"</td> <td>18</td> <td>100</td> <td>22</td> <td>-</td> <td>14</td> <td>11</td> <td>11,1</td> <td>111348 107957</td> </tr> <tr> <td>NPT 1/4"</td> <td>18</td> <td>100</td> <td>23</td> <td>-</td> <td>11</td> <td>9</td> <td>11,1</td> <td>104419</td> </tr> <tr> <td>NPT 3/8"</td> <td>18</td> <td>110</td> <td>20</td> <td>-</td> <td>12</td> <td>9</td> <td>14,3</td> <td>104424</td> </tr> <tr> <td>NPT 3/8"</td> <td>18</td> <td>110</td> <td>20</td> <td>-</td> <td>16</td> <td>12</td> <td>14,3</td> <td>111351 107961</td> </tr> </tbody> </table>	Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Identnummer / identification number / code article / codice / número de identificación	NPT 1/16"	27	80	13	-	6	4,9	6,15	104417	NPT 1/16"	27	80	13	-	8	6,2	6,15	107955	NPT 1/8"	27	90	13	-	11	9	8,4	111349 107958	NPT 1/8"	27	90	13	-	7	5,5	8,4	104420	NPT 1/4"	18	100	22	-	14	11	11,1	111348 107957	NPT 1/4"	18	100	23	-	11	9	11,1	104419	NPT 3/8"	18	110	20	-	12	9	14,3	104424	NPT 3/8"	18	110	20	-	16	12	14,3	111351 107961				
Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Identnummer / identification number / code article / codice / número de identificación																																																																													
NPT 1/16"	27	80	13	-	6	4,9	6,15	104417																																																																													
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Typenbezeichnung / type / type / tipo / tipo	VARIO 2 N	VARIO 2 HZ	AVANT 2 VA15	
<p>NPT-Amerikanisches Standard Rohrgewinde ASME B1.20.1 kegelig 1:16 American standard taper pipe thread ASME B1.20.1 tapered 1:16 Filetage conique américain tube ASME B1.20.1 conique 1:16 Filettatura conica americana ASME B1.20.1 conico 1:16 Rosca cónica para tubo norma americana ASME B1.20.1 cónico 1:16</p>				
Bohrung / bore / type de trou / fori / tipos de agujeros				
Einsatzgebiet / application / application adatto per lavorazione di / aplicación	1.2-1.3 / 4.2 5.1-5.3	1.1-1.5 / 2.1-2.3 3.1-3.3 / 4.4 5.1-5.3	1.1-1.5 / 2.1-2.3 3.1-3.3 / 4.1-4.5	
Ausführung / model / exécution / modello / modelo		AZ TIN	VAP	
Werkstoff / tool material / substrat / materiale / material	HSSE	HSSE	HSSE	
Gewindetoleranz / thread tolerance / tolérance du filetage / tolleranza di filettatura / tolerancia de la rosca				
Schafttoleranz / shank tolerance / tolérance de queue / tolleranza del gambo / tolerancia del mango	h9	h9	h9	
Anschnitt / chamfer / entrée / imbocco / entrada	C / 2-3	C / 2-3	C / 2-3	

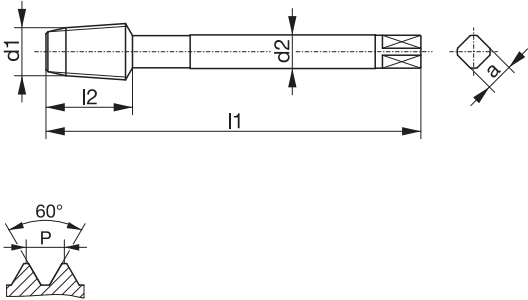




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Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Identnummer / identification number / code article / codice / número de identificación
NPT 1/2"	14	125	26	-	16	12	17,9	104418
NPT 1/2"	14	125	26	-	18	14,4	17,9	111347 107956
NPT 3/4"	14	140	26	-	20	16	23,2	104423
NPT 3/4"	14	140	26	-	22	18	23,2	111350 107960
NPT 1"	11,5	150	32	-	25	20	29	104414
NPT 1"	11,5	150	32	-	28	22	29	111344 107952
NPT 1.1/4"	11,5	160	32	-	32	24	37,7	104416 107954
NPT 1.1/2"	11,5	160	32	-	36	29	44	107953
NPT 1.1/2"	11,5	180	32	-	36	29	44	104415


Typenbezeichnung / type / type / tipo / tipo	VARIO 1 N	AVANT 1 VA15		
<p>NPTF-Amerikanisches Standard Rohrgewinde ASME B1.20.3 kegelig 1:16 American standard taper pipe thread ASME B1.20.3 tapered 1:16 Filetage conique américain tube ASME B1.20.3 conique 1:16 Filettatura conica americana ASME B1.20.3 conico 1:16 Rosca cónica para tubo norma americana ASME B1.20.3 cónico 1:16</p> 				
Bohrung / bore / type de trou / fori / tipos de agujeros				
Einsatzgebiet / application / application adatto per lavorazione di / aplicación	1.2-1.3 / 4.2 5.1-5.3	1.1-1.5 / 2.1-2.3 3.1-3.3 / 4.1-4.5		
Ausführung / model / exécution / modello / modelo		VAP		
Werkstoff / tool material / substrat / materiale / material	HSSE	HSSE		
Gewindetoleranz / thread tolerance / tolérance du filetage / tolleranza di filettatura / tolerancia de la rosca				
Schafttoleranz / shank tolerance / tolérance de queue / tolleranza del gambo / tolerancia del mango	h9	h9		
Anschnitt / chamfer / entrée / imbocco / entrada	C / 2-3	C / 2-3		

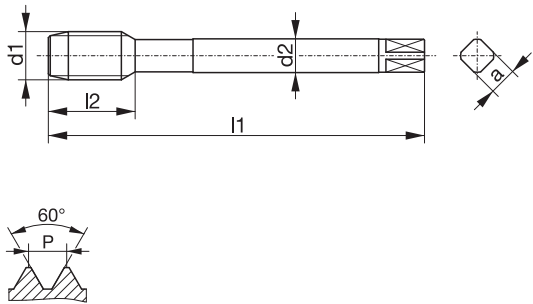


$\varnothing d_1$	P	l_1	l_2	l_3	$\varnothing d_2$	a		Identnummer / identification number / code article / codice / número de identificación
NPTF 1/16"	27	80	13	-	8	6,2	6,1	107973
NPTF 1/8"	27	90	13	-	11	9	8,4	107976
NPTF 1/8"	27	90	13	-	7	5,5	8,4	104433
NPTF 1/4"	18	100	20	-	11	9	11	104432
NPTF 1/4"	18	100	22	-	14	11	11	107975
NPTF 3/8"	18	110	20	-	12	9	14,3	104436
NPTF 3/8"	18	110	20	-	16	12	14,3	107979


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Typenbezeichnung / type / type / tipo / tipo	VARIO 2 N	AVANT 2 VA15		
<p>NPTF-Amerikanisches Standard Rohrgewinde ASME B1.20.3 kegelig 1:16 American standard taper pipe thread ASME B1.20.3 tapered 1:16 Filetage conique américain tube ASME B1.20.3 conique 1:16 Filettatura conica americana ASME B1.20.3 conico 1:16 Rosca cónica para tubo norma americana ASME B1.20.3 cónico 1:16</p> 				
Bohrung / bore / type de trou / fori / tipos de agujeros				
Einsatzgebiet / application / application adatto per lavorazione di / aplicación	1.2-1.3 / 4.2 5.1-5.3	1.1-1.5 / 2.1-2.3 3.1-3.3 / 4.1-4.5		
Ausführung / model / exécution / modello / modelo		VAP		
Werkstoff / tool material / substrat / materiale / material	HSSE	HSSE		
Gewindetoleranz / thread tolerance / tolérance du filetage / tolleranza di filettatura / tolerancia de la rosca				
Schafttoleranz / shank tolerance / tolérance de queue / tolleranza del gambo / tolerancia del mango	h9	h9		
Anschnitt / chamfer / entrée / imbocco / entrada	C / 2-3	C / 2-3		

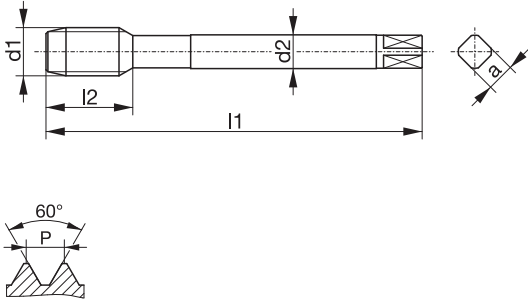

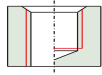
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Ød ₁	P	l ₁	l ₂	l ₃	Ød ₂	a		Identnummer / identification number / code article / codice / número de identificación
NPTF 1/2"	14	125	26	-	16	12	17,6	104431
NPTF 1/2"	14	125	26	-	18	14,4	17,6	107974
NPTF 3/4"	14	140	26	-	20	16	23	104435
NPTF 3/4"	14	140	26	-	22	18	23	107978
NPTF 1"	11,5	150	32	-	28	22	29	107970


Typenbezeichnung / type / type / tipo / tipo	VARIO 2 N			
<p>NPSM-Gewinde ASME B1.20.1 American standard straight pipe thread ASME B1.20.1 Filetage pas du gaz cylindrique américain ASME B1.20.1 Filettatura gas cilindrica americana ASME B1.20.1 Rosca de tubo recta norma americana ASME B1.20.1</p> 				
Bohrung / bore / type de trou / fori / tipos de agujeros				
Einsatzgebiet / application / application adatto per lavorazione di / aplicación	1.2-1.3 / 4.2 5.1-5.3			
Ausführung / model / exécution / modello / modelo				
Werkstoff / tool material / substrat / materiale / material	HSSE			
Gewindetoleranz / thread tolerance / tolérance du filetage / tolleranza di filettatura / tolerancia de la rosca				
Schafttoleranz / shank tolerance / tolérance de queue / tolleranza del gambo / tolerancia del mango	h9			
Anschnitt / chamfer / entrée / imbocco / entrada	C / 2-3			

	$\varnothing d_1$	P	l_1	l_2	l_3	$\varnothing d_2$	a		Identnummer / identification number / code article / codice / número de identificación
NPSM	1/8"	- 27	90	16	-	7	5,5	9,1	109775
NPSM	1/4"	- 18	100	22	-	11	9	12	109774
NPSM	3/8"	- 18	100	22	-	12	9	15,5	109778
NPSM	1/2"	- 14	125	25	-	16	12	19	109773
NPSM	3/4"	- 14	140	28	-	20	16	24,5	109777

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Typenbezeichnung / type / type / tipo / tipo	VARIO 2 N			
<p>NPSF-Gewinde ASME B1.20.3 Thread ASME B1.20.3 Filetage ASME B1.20.3 Filettatura ASME B1.20.3 Rosca ASME B1.20.3</p> 				
Bohrung / bore / type de trou / fori / tipos de agujeros				
Einsatzgebiet / application / application adatto per lavorazione di / aplicación	1.2-1.3 / 4.2 5.1-5.3			
Ausführung / model / exécution / modello / modelo				
Werkstoff / tool material / substrat / materiale / material	HSSE			
Gewindetoleranz / thread tolerance / tolérance du filetage / tolleranza di filettatura / tolerancia de la rosca				
Schafttoleranz / shank tolerance / tolérance de queue / tolleranza del gambo / tolerancia del mango	h9			
Anschnitt / chamfer / entrée / imbocco / entrada	C / 2-3			

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$\varnothing d_1$	P	l_1	l_2	l_3	$\varnothing d_2$	a		Identnummer / identification number / code article / codice / número de identificación
NPSF 1/8"	- 27	90	16	-	7	5,5	8,7	108935
NPSF 1/4"	- 18	100	22	-	11	9	11,3	108934
NPSF 3/8"	- 18	100	22	-	12	9	14,75	108937
NPSF 1/2"	- 14	125	25	-	16	12	18,25	108933
NPSF 3/4"	- 14	140	28	-	20	16	23,5	108936