




























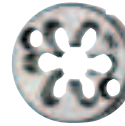
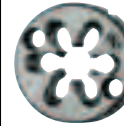






























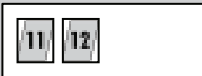



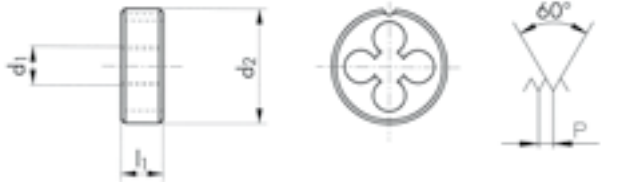


Указатель – Круглые плашки, плашки для Швейцарских автоматов, шестигранные и выгнутые
Skorowidz – Narzynki okrągłe, dla automatyki szwajcarskiej, forma: sześciokątna oraz „dzwonu“

		N		MS	Z		N	Z
Характеристики Cechy charakterystyczne		  	  	  	   	   	  	   
								
		N5110	N5120	MS5120	Z5120	Z5120LL	N5220	Z5220
M 6g	DIN 13	246	246		247	247	260	260
M 6e	DIN 13		246				260	
M 6g LH	DIN 13		246					
MF 6g	DIN 13	248	248-250		248-249		261	
MF 6e	DIN 13		248-249					
MF 6g LH	DIN 13		248-250					
UNC	ANSI B1.1	251	251					
UNF	ANSI B1.1	252	252					
UNEF	ANSI B1.1		253					
UN	ANSI B1.1		253					
UNS	ANSI B1.1		253					
G (BSP)	DIN ISO 228		254	255	255			
G (BSP) LH	DIN ISO 228		254					
G (BSP) -0.1 mm	DIN ISO 228			255				
R (BSPT)	DIN EN 10226		256					
NPT	ANSI B1.20.1		257					
NPTF	ANSI B1.20.3		257					
PG	DIN 40430		258					
TR	DIN 103		258					
W (BSW)	BS 84		259					
W (BSW) LH	BS 84		259					

N	
 	  
	
N5310	N5420
262	263
262	
263	
263	

Пиктограммы – Piktogramy

-  Быстрорежущая сталь
HSS
-  Быстрорежущая сталь с кобальтом
HSSE
-  1.25 Заходная часть 1,25 нитки
1.25 zwojów wprowadzających
-  1.75 Заходная часть 1,75 нитки
1.75 zwojów wprowadzających
-  2 Заходная часть 2 нитки
2 zwoje wprowadzające
-  Подчищающая фаска на диаметрах $\varnothing > 3$ mm
Narzynka jednostronna od $\varnothing > 3$ mm
-  Подчищающая фаска с двух сторон на диаметрах $\varnothing > 3$ mm
Narzynka dwustronna od $\varnothing > 3$ mm
-  Количество режущих кромок
Ilość ostrzy
-  Диаметр прутка под плашку
Średnice wałków
-  Азотированные ($d_1 \geq 3$ mm, $P \geq 0.5$ mm)
Azotowany ($d_1 \geq 3$ mm, $P \geq 0.5$ mm)
-  С 2 предохранительными отверстиями
Narzynka z 2 otworami zabezpieczającymi
-  Класс точности 6g
Tolerancja 6g
-  Класс точности 6e
Tolerancja 6e
-  Класс точности Средний
Tolerancja „Średniej Klasy”
-  Класс точности A
Tolerancja A
-  Коническая резьба 1:16 (NPT - NPTF - R)
Gwint stożkowy 1:16 (NPT - NPTF - R)
-  Левая резьба
Gwint lewy

								N5110	N5120	N5120 LH	N5120
<p>N5110 </p> <p>N5120  </p> <p>N5120 LH  LH </p> <p>N5120  </p>											
											
											
$\varnothing d_1$ M	P mm	d_2 mm	l_1 mm	\oplus 6g	\oplus LH / 6e	$\rightarrow 6g \leftarrow$	$\rightarrow 6e \leftarrow$	ID	ID	ID	ID 6g - mm
1	0.25	16.0	5.0	3		0.97		103851			
1.1	0.25	16.0	5.0	3		1.07		124659			
1.2	0.25	16.0	5.0	3		1.17		103852			
1.4	0.30	16.0	5.0	3		1.36		103853			
1.6	0.35	16.0	5.0	3		1.54		103855			
1.7	0.35	16.0	5.0	3		1.64		103856			
1.8	0.35	16.0	5.0	3		1.74		103857			
2	0.40	16.0	5.0	3		1.93	1.90	103864			
2.2	0.45	16.0	5.0	3		2.13		103867			
2.3	0.40	16.0	5.0	3		2.23		103869			
2.5	0.45	16.0	5.0	3		2.43	2.40	103872			
2.6	0.45	16.0	5.0	3		2.53		103876			
3	0.50	20.0	5.0	3	4	2.92	2.90	103879	104067	104068	104066 0.030
3.5	0.60	20.0	5.0	3	4	3.41	3.38	103880	104071	104072	* 104070 0.030
4	0.70	20.0	5.0	3	4	3.91	3.87	103881	104114	104115	104113 0.035
4.5	0.75	20.0	7.0	4		4.40		103882	104117		
5	0.80	20.0	7.0	4	4	4.90	4.87	103883	104146	104147	104145 0.035
5.5	0.90	20.0	7.0	4		5.40		103884			
6	1.00	20.0	7.0	4	4	5.88	5.85	103885	104165	104166	104164 0.035
7	1.00	25.0	9.0	4	4	6.88		103886	104174	104175	
8	1.25	25.0	9.0	4	4	7.87	7.83	103887	104186	104187	104185 0.035
9	1.25	25.0	9.0	4		8.87		103888	104191		
10	1.50	30.0	11.0	4	4	9.85	9.82	103858	103953	103954	103952 0.035
12	1.75	38.0	14.0	4	4	11.83	11.80	103859	103973	103974	103972 0.035
14	2.00	38.0	14.0	4	4	13.82		103860	103989	103990	
16	2.00	45.0	18.0	4	4	15.82	15.79		104003	104004	* 104002 0.035
18	2.50	45.0	18.0	5		17.79		* 103862	104015		
20	2.50	45.0	18.0	5	5	19.79		103878	104028	104029	
22	2.50	55.0	22.0	5		21.79			104035		
24	3.00	55.0	22.0	5	5	23.76			104043	104044	
27	3.00	65.0	25.0	5		26.76			104058		
30	3.50	65.0	25.0	5	5	29.73			104079	104080	
33	3.50	65.0	25.0	6		32.73			104089		
36	4.00	65.0	25.0	7		35.70			104100		

≤ M1.4

6h

Z5120		NI		13 14 21			Z5120	Z5120 LL		
Z5120 LL		NI		13 14 15 21						
$\varnothing d_1$ M	P mm	d_2 mm	l_1 mm	Z5120	Z5120LL	6g	ID	ID		
2	0.40	16.0	3.5	4	4	1.93	125269	105115		
2.5	0.45	16.0	5.0	4	4	2.43	104779	105116		
2.6	0.45	16.0	5.0	4		2.53	104780			
3	0.50	20.0	5.0	4	5	2.92	104788	105117		
3.5	0.60	20.0	5.0	4		3.41	104789			
4	0.70	20.0	5.0	4	5	3.91	104790	105118		
5	0.80	20.0	7.0	4	5	4.90	104792	105119		
6	1.00	20.0	7.0	4	5	5.88	104795	105120		
7	1.00	25.0	9.0	4		6.88	111424			
8	1.25	25.0	9.0	5	6	7.87	104798	105121		
10	1.50	30.0	11.0	5	6	9.85	104767	105122		
12	1.75	38.0	14.0	5	6	11.83	104770	105123		
14	2.00	38.0	14.0	5		13.82	104773			
16	2.00	45.0	18.0	5		15.82	104776			
18	2.50	45.0	18.0	5		17.79	104778			
20	2.50	45.0	18.0	5		19.79	104783			
24	3.00	55.0	22.0	6		23.76	104787			



















































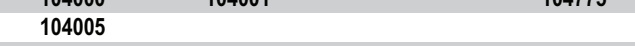




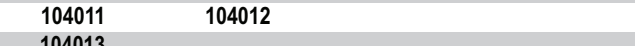



















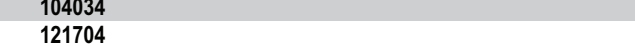




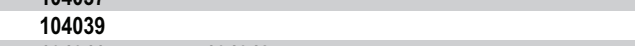
























































								N5120	N5120 LH	N5120	Z5120	
N5120				11	12							
N5120 LH		LH		11	12							
N5120				11	12							
Z5120		NI		13	14	21						
$\varnothing d_1$ MF	P mm	d_2 mm	l_1 mm	\oplus N	\oplus Z	$\rightarrow 6g \leftarrow$	$\rightarrow 6e \leftarrow$	ID	ID	ID	6g - mm	ID
* 2	0.25	16.0	5.0	4		1.93		103863				
* 2.5	0.35	16.0	5.0	4		2.44		103871				
3	0.35	20.0	5.0	4		2.94		104064				
3.5	0.35	20.0	5.0	4		3.44		104069				
4	0.35	20.0	5.0	4		3.94		104108				
4	0.50	20.0	5.0	4		3.93		104110				
4.5	0.50	20.0	5.0	4		4.43		104116				
5	0.50	20.0	5.0	4	4	4.93	4.90	104141	104142	104140	0.030	104791
5	0.75	20.0	7.0	4		4.90		104143				
5.5	0.50	20.0	5.0	4		5.43		104148				
6	0.50	20.0	5.0	4		5.93		104159	104160			104793
6	0.75	20.0	7.0	4	4	5.90		104162	104163			104794
7	0.50	25.0	9.0	4	4	6.93		104169				
7	0.75	25.0	9.0	4		6.90	6.87	104171		* 104170	0.035	
8	0.50	25.0	9.0	5		7.93		104177				
8	0.75	25.0	9.0	4	4	7.90		104180				104796
8	1.00	25.0	9.0	4	4	7.88	7.85	104183	104184	104182	0.035	104797
9	0.50	25.0	9.0	5		8.93		104188				
9	0.75	25.0	9.0	5		8.90		104189				
9	1.00	25.0	9.0	5		8.88		104190				
10	0.50	30.0	11.0	5		9.93		103942				
10	0.75	30.0	11.0	5	5	9.90	9.87	103945		* 103944	0.035	104765
10	1.00	30.0	11.0	5	5	9.88	9.85	103948	103949	103947	0.035	104766
10	1.25	30.0	11.0	4		9.86		103950	103951			
11	0.75	30.0	11.0	5		10.90		103956				
11	1.00	30.0	11.0	5		10.88		103957				
11	1.25	30.0	11.0	5		10.87		103958				
12	0.50	38.0	10.0	5		11.93		103960				
12	0.75	38.0	10.0	5		11.90	11.87	103962		* 103961	0.035	
12	1.00	38.0	10.0	5	5	11.88	11.85	103965	103966	103964	0.035	104768
12	1.25	38.0	10.0	4		11.86		103967	103968			
12	1.50	38.0	10.0	4	5	11.85		103970	103971			104769
13	1.00	38.0	10.0	5		12.88		103976				

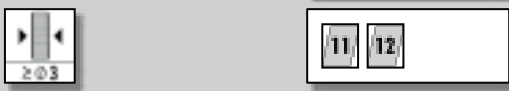






* N5110

P 0.25





6h

N5120		N5120 LH		N5120		Z5120		N5120	N5120 LH	N5120	Z5120
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											

N5120		N5120 LH		N5120		N5120 LH	
∅ d ₁ MF	P mm	d ₂ mm	l ₁ mm	⊕	⚙ →6g←	ID	ID
28	1.00	65.0	18.0	6	27.88	104060	
28	1.50	65.0	18.0	6	27.85	104061	
30	1.00	65.0	18.0	7	29.88	104073	
30	1.50	65.0	18.0	6	29.85	104074	
30	2.00	65.0	18.0	6	29.82	104076	
32	1.50	65.0	18.0	7	31.85	104082	* 104083
33	1.50	65.0	18.0	7	32.85	104085	
33	2.00	65.0	18.0	7	32.82	104086	
33	3.00	65.0	25.0	7	32.76	* 104088	
34	1.50	65.0	18.0	7	33.85	104091	
35	1.50	65.0	18.0	8	34.85	104092	* 104093
36	1.50	65.0	18.0	8	35.85	104095	* 104096
36	2.00	65.0	18.0	8	35.82	104097	
36	3.00	65.0	25.0	7	35.76	104099	
38	1.50	75.0	20.0	7	37.85	104101	
39	1.50	75.0	20.0	7	38.85	104104	
40	1.50	75.0	20.0	8	39.85	104118	* 104119
40	2.00	75.0	20.0	7	39.82	104120	
42	1.50	75.0	20.0	8	41.85	104122	
42	3.00	75.0	20.0	8	41.76	104125	
45	1.50	90.0	22.0	7	44.85	104127	
45	2.00	90.0	22.0	7	44.82	104129	
48	1.50	90.0	22.0	8	47.85	104133	* 104134
48	2.00	90.0	22.0	8	47.82	104135	
48	3.00	90.0	22.0	7	47.76	104137	
50	1.50	90.0	22.0	8	49.85	104150	
60	2.00	105.0	22.0	9	59.82	104168	

N5110							N5110	N5120		
										
										
										
Ø" d ₁ UNC	P TPI	d ₂ mm	l ₁ mm	⊕	⚙ →2A←	ID	ID			
1	64	16.0	5.0	3	1.79	103893				
2	56	16.0	5.0	4	2.12	103894				
3	48	16.0	5.0	4	2.44	103895				
4	40	16.0	5.0	4	2.76	103896				
5	40	20.0	5.0	4	3.09		104263			
6	32	20.0	7.0	4	3.41		104266			
8	32	20.0	7.0	4	4.07		104269			
10	24	20.0	7.0	4	4.71		104258			
12	24	20.0	7.0	4	5.37		104259			
1/4	20	20.0	7.0	4	6.22		104256			
5/16	18	25.0	9.0	4	7.80		104264			
3/8	16	30.0	11.0	4	9.37		104262			
7/16	14	30.0	11.0	4	10.95		104267			
1/2	13	38.0	14.0	4	12.52		111387			
9/16	12	38.0	14.0	4	14.10		104270			
5/8	11	45.0	18.0	4	15.68		104265			
3/4	10	45.0	18.0	5	18.84		104261			
7/8	9	55.0	22.0	5	22.00		104268			
1	8	55.0	22.0	5	25.16		104257			
1 1/4	7	65.0	25.0	6	31.49		104251			
1 1/2	6	75.0	30.0	6	37.81		104250			
2	4.5	90.0	36.0	7	50.45		* 104260			



N5110							N5110	N5120		
N5120										
										
							2A		2A	
Ø" d ₁ UNF	P TPI	d ₂ mm	l ₁ mm	⊕	↔2A↔	ID	ID			
0	80	16.0	5.0	3	1.47	103897				
1	72	16.0	5.0	3	1.79	103898				
2	64	16.0	5.0	4	2.12	103899				
3	56	16.0	5.0	4	2.44	103900				
4	48	16.0	5.0	4	2.77	103901				
5	44	20.0	5.0	4	3.10		104299			
6	40	20.0	5.0	4	3.42		104302			
8	36	20.0	7.0	4	4.08		104305			
10	32	20.0	7.0	4	4.73		104295			
12	28	20.0	7.0	4	5.38		104296			
1/4	28	20.0	7.0	4	6.24		104293			
5/16	24	25.0	9.0	4	7.82		104300			
3/8	24	30.0	11.0	4	9.41		104298			
7/16	20	30.0	11.0	5	10.98		104303			
1/2	20	38.0	10.0	5	12.56		104292			
9/16	18	38.0	10.0	5	14.14		104306			
5/8	18	45.0	14.0	5	15.73		104301			
3/4	16	45.0	14.0	6	18.89		104297			
7/8	14	55.0	16.0	5	22.05		104304			
1	12	55.0	16.0	6	25.21		104294			
1 1/4	12	65.0	18.0	7	31.56		104289			
1 1/2	12	75.0	20.0	7	37.91		111390			

UNEF, UNS, UN

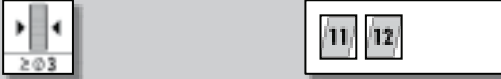
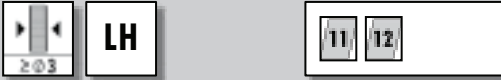




ANSI B1.1

HSS



N5120						N5120
Ø" d ₁ UNEF	P TPI	d ₂ mm	l ₁ mm	⊕	→2A←	ID
12	32	20.0	7.0	4	5.39	104278
1/4	32	20.0	7.0	4	6.25	104275
5/16	32	25.0	9.0	4	7.84	104283
3/8	32	30.0	11.0	4	9.42	104282
7/16	28	30.0	11.0	5	11.00	104285
1/2	28	38.0	10.0	5	12.59	104274
9/16	24	38.0	10.0	5	14.17	104287
5/8	24	45.0	14.0	5	15.75	104284
3/4	20	45.0	14.0	5	18.91	104281
13/16	20	45.0	14.0	6	20.50	* 104279
7/8	20	55.0	16.0	5	22.09	* 104286
1	20	55.0	16.0	6	25.26	* 104276
Ø" d ₁ UNS	P TPI	d ₂ mm	l ₁ mm	⊕	→2A←	ID
1/4	40	20.0	5.0	4	6.26	104309
1/4	36	20.0	5.0	4	6.26	104308
7/16	24	30.0	11.0	5	10.99	104311
1/2	24	38.0	10.0	5	12.58	104307
1	14	55.0	16.0	6	25.23	104310
Ø" d ₁ UN	P TPI	d ₂ mm	l ₁ mm	⊕	→2A←	ID
1 1/8	8	65.0	25.0	5	28.33	104246
1 1/4	8	65.0	25.0	6	31.51	104245
1 1/2	8	75.0	20.0	7	37.85	104244
1 3/4	8	90.0	22.0	7	44.20	104247



						N5120	N5120 LH		
<p>N5120</p> 									
<p>N5120 LH</p> 									
									
									
Ø" d ₁ G	P TPI	d ₂ mm	l ₁ mm	⊕	↔ A ↔	ID	ID		
1/8	28	30.0	11.0	5	9.62	103926			
1/4	19	38.0	10.0	5	13.03	103924	103925		
3/8	19	45.0	14.0	5	16.54	103935	103936		
1/2	14	45.0	14.0	6	20.81	103922	103923		
5/8	14	55.0	16.0	5	22.77	103938			
3/4	14	55.0	16.0	6	26.30	103933	103934		
7/8	14	65.0	18.0	6	30.06	103940			
1	11	65.0	18.0	7	33.07	103928			
1 1/4	11	75.0	20.0	8	41.73	103918			
1 3/8	11	90.0	22.0	7	44.14	* 103921			
1 1/2	11	90.0	22.0	8	47.62	103917			
2	11	105.0	22.0	9	59.43	103932			
2 1/2	11	120.0	22.0	10	74.97	103930			

G DIN ISO 228 (BSP)







Z
HSSE

MS
HSS



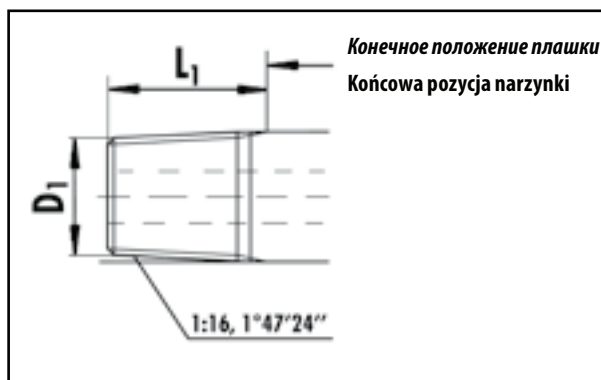
Z5120		NI		Z5120	MS5120	MS5120	
MS5120							
MS5120							
\varnothing " d ₁	P	d ₂	l ₁	Z	MS	\rightarrow A \leftarrow	ID
G	TPI	mm	mm				
1/8	28	30.0	11.0	5	5	9.62	104761 * 101339 * 142831
1/4	19	38.0	10.0	5	5	13.03	104760 101338 * 142832
3/8	19	45.0	14.0	5	5	16.54	104764 101342 119716
1/2	14	45.0	14.0	6	6	20.81	104759 101337 119243
3/4	14	55.0	16.0	6	6	26.30	104763 101341 119648
1	11	65.0	18.0	8	7	33.07	104762 101340 135186
1 1/2	11	90.0	22.0		8	47.62	* 142830



<p>N5120</p>  	<p>N5120</p> 																																										
																																											
																																											
<table border="1"> <thead> <tr> <th>$\varnothing'' d_1$ R</th> <th>P TPI</th> <th>d_2 mm</th> <th>l_1 mm</th> <th>\oplus</th> <th>ID</th> </tr> </thead> <tbody> <tr> <td>1/8</td> <td>28</td> <td>30.0</td> <td>11.0</td> <td>5</td> <td>104226</td> </tr> <tr> <td>1/4</td> <td>19</td> <td>38.0</td> <td>14.0</td> <td>5</td> <td>104225</td> </tr> <tr> <td>3/8</td> <td>19</td> <td>45.0</td> <td>14.0</td> <td>5</td> <td>104230</td> </tr> <tr> <td>1/2</td> <td>14</td> <td>45.0</td> <td>18.0</td> <td>6</td> <td>104224</td> </tr> <tr> <td>3/4</td> <td>14</td> <td>55.0</td> <td>22.0</td> <td>6</td> <td>104229</td> </tr> <tr> <td>1</td> <td>11</td> <td>65.0</td> <td>25.0</td> <td>7</td> <td>104227</td> </tr> </tbody> </table>	$\varnothing'' d_1$ R	P TPI	d_2 mm	l_1 mm	\oplus	ID	1/8	28	30.0	11.0	5	104226	1/4	19	38.0	14.0	5	104225	3/8	19	45.0	14.0	5	104230	1/2	14	45.0	18.0	6	104224	3/4	14	55.0	22.0	6	104229	1	11	65.0	25.0	7	104227	
$\varnothing'' d_1$ R	P TPI	d_2 mm	l_1 mm	\oplus	ID																																						
1/8	28	30.0	11.0	5	104226																																						
1/4	19	38.0	14.0	5	104225																																						
3/8	19	45.0	14.0	5	104230																																						
1/2	14	45.0	18.0	6	104224																																						
3/4	14	55.0	22.0	6	104229																																						
1	11	65.0	25.0	7	104227																																						

Размеры диаметров под резьбу R (в мм)

Wymiary wałków pod gwinty typu R (w mm)

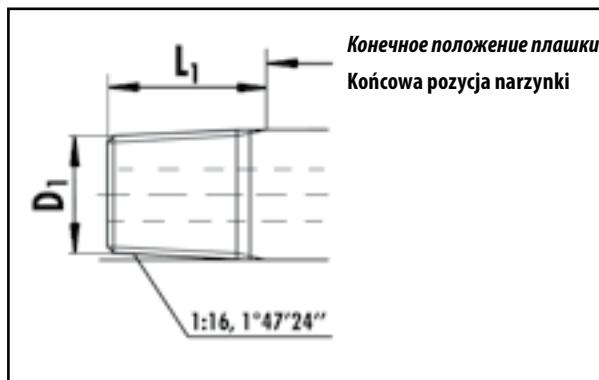


\varnothing'' R	D_1 mini mm	D_1 maxi mm	D_1 (guide line) mm	L_1 (guide line) mm
1/8	9.422	9.534	9.48	8.2
1/4	12.700	12.863	12.78	12.1
3/8	16.181	16.343	16.26	12.5
1/2	20.330	20.555	20.44	16.4
3/4	25.735	25.960	25.85	17.7
1	32.455	32.743	32.60	20.9

















N5120			N5120	N5120
N5120			NPT	NPTF
$\varnothing'' d_1$	P	d_2	l_1	\oplus
NPT, NPTF	TPI	mm	mm	
1/16	27	25.0	9.0	4
1/8	27	30.0	11.0	5
1/4	18	38.0	14.0	5
3/8	18	45.0	14.0	5
1/2	14	45.0	18.0	6
3/4	14	55.0	22.0	6
1	11.5	65.0	25.0	7
1 1/4	11.5	75.0	26.0	8
			ID	ID
			104194	
			104197	* 104207
			104196	
			104201	
			104195	* 104205
			104200	
			104198	* 104208
			104193	

Размеры диаметров под резьбы NPT и NPTF (в мм)

Wymiary wałków pod gwinty typu NPT oraz NPTF (w mm)











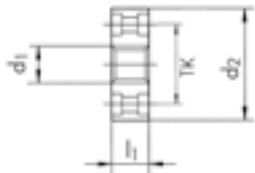










\varnothing'' NPT	D_1 mini mm	D_1 maxi mm	D_1 (guide line) mm	L_1 (guide line) mm	\varnothing'' NPTF	D_1 mini mm	D_1 maxi mm	D_1 (guide line) mm	L_1 (guide line) mm
1/16	7.521	7.643	7.58	8.4	1/16	7.525	7.617	7.57	8.4
1/8	9.866	9.988	9.93	8.5	1/8	9.870	9.962	9.92	8.5
1/4	13.099	13.255	13.18	12.7	1/4	13.129	13.215	13.17	12.7
3/8	16.518	16.674	16.60	12.9	3/8	16.548	16.634	16.59	12.9
1/2	20.551	20.713	20.63	16.8	1/2	20.617	20.703	20.66	16.8
3/4	25.866	26.028	25.95	17.1	3/4	25.932	26.018	25.98	17.1
1	32.419	32.591	32.51	21.3	1	32.475	32.561	32.52	21.3
1 1/4	41.144	41.316	41.23	21.9					

N5120						N5120	N5120				
   						<p>PG</p> 		<p>TR</p> 			
  											
$\varnothing d_1$ PG	P TPI	d_2 mm	l_1 mm	\oplus	$\rightarrow \leftarrow$	ID					
7	20	38.0	10.0	5	12.40	104220					
9	18	38.0	10.0	5	15.10	104221					
11	18	45.0	14.0	5	18.50	104212					
13.5	18	45.0	14.0	6	20.30	104213					
16	18	55.0	16.0	5	22.40	104214					
21	16	65.0	18.0	6	28.15	* 104215					
29	16	65.0	18.0	8	36.85	* 104216					
36	16	90.0	22.0	8	46.85	* 104217					
42	16	90.0	22.0	10	53.85	* 104218					
48	16	105.0	22.0	9	59.15	* 104219					
  											
											
$\varnothing d_1$ TR	P mm	d_2 mm	l_1 mm	\oplus	$\rightarrow \leftarrow$	ID					
*10	2	38.0	14.0	4	9.91	* 104231					
12	3	38.0	14.0	4	11.88	* 104232					
16	4	45.0	18.0	4	15.85	* 104234					
26	5	65.0	25.0	5	25.83	* 104239					
28	5	65.0	25.0	5	27.83	* 104240					
32	6	65.0	25.0	6	31.81	* 104242					
36	6	65.0	25.0	6	35.81	* 104243					
<p>* </p>											

						N5120	N5120 LH		
\varnothing'' W	P TPI	d ₂ mm	l ₁ mm			ID	ID		
1/8	40	20.0	5.0	4	3.09	104320			
5/32	32	20.0	7.0	4	3.88	104333			
3/16	24	20.0	7.0	4	4.66	104325			
1/4	20	20.0	7.0	4	6.24	104318			
5/16	18	25.0	9.0	4	7.82	104331			
3/8	16	30.0	11.0	4	9.40	104329			
7/16	14	30.0	11.0	4	10.98	104336			
1/2	12	38.0	14.0	4	12.56	104316			
5/8	11	45.0	18.0	4	15.72	104334	* 104335		
3/4	10	45.0	18.0	5	18.89	104327	* 104328		
7/8	9	55.0	22.0	5	22.10	* 104338			
1	8	55.0	22.0	5	25.27	104322			
1 3/8	6	65.0	25.0	6	34.77	* 104315			

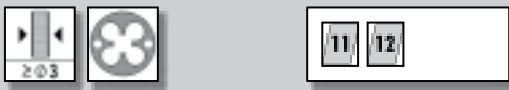


	N5220		N5220		Z5220					
N5220										
N5220										
Z5220										
										
										
										
$\varnothing d_1$ M	P mm	d_2 mm	l_1 mm	\oplus	TK mm	$\rightarrow 6g \leftarrow$	$\rightarrow 6e \leftarrow$	ID	ID $6g$ - mm	ID
1.4	0.30	16.0	2.6	4	12.2	1.36		104346		
1.6	0.35	16.0	2.6	4	12.2	1.54		104347		
1.7	0.35	16.0	2.6	4	12.2	1.64		* 104348		
2	0.40	16.0	3.5	4	12.2	1.93	1.90	104367		
2.3	0.40	16.0	3.5	4	12.2	2.23		104369		
2.5	0.45	16.0	3.5	4	12.2	2.43	2.40	104371	* 104370 0.030	104803
2.6	0.45	16.0	3.5	4	12.2	2.53		104372		
3	0.50	16.0	3.5	4	12.2	2.92	2.90	104375	104374 0.030	104804
3.5	0.60	16.0	4.0	4	12.2	3.41		104376		
4	0.70	16.0	5.0	4	12.2	3.91	3.87	104380	104379 0.035	104805
5	0.80	20.0	7.0	4	15.0	4.90	4.87	104384	104383 0.035	104806
6	1.00	20.0	7.0	4	15.0	5.88	5.85	104388	104387 0.035	104807
7	1.00	25.0	7.0	4	19.0	6.88		* 104392		
8	1.25	25.0	9.0	4	19.0	7.87	7.83	104397	104396 0.035	104808
10	1.50	30.0	11.0	6	23.0	9.85	9.82	104354	104353 0.035	
12	1.75	30.0	11.0	6	23.0	11.83		104358		

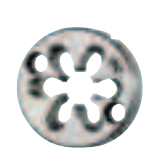

≤ M1.4

6h

N5220







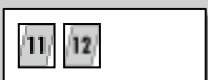
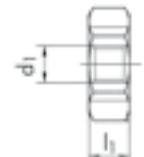




N5220

$\varnothing d_1$ MF	P mm	d_2 mm	l_1 mm	\oplus	TK mm	$\rightarrow \leftarrow$	ID
3	0.35	16.0	3.0	4	12.2	2.94	104373
4	0.35	16.0	3.5	4	12.2	3.94	* 104377
4	0.50	16.0	4.0	4	12.2	3.93	104378
5	0.50	20.0	5.0	4	15.0	4.93	104382
6	0.50	20.0	5.0	4	15.0	5.93	104385
6	0.75	20.0	7.0	4	15.0	5.90	104386
7	0.50	25.0	7.0	4	19.0	6.93	* 104389
7	0.75	25.0	7.0	4	19.0	6.90	* 104390
8	0.75	25.0	7.0	4	19.0	7.90	* 104394
8	1.00	25.0	7.0	4	19.0	7.88	* 104395
10	0.75	30.0	7.0	6	23.0	9.90	* 104350
10	1.00	30.0	7.0	6	23.0	9.88	* 104351
10	1.25	25.0	9.0	6	19.0	9.86	* 104352
12	1.00	30.0	7.0	6	23.0	11.88	* 104355
12	1.50	30.0	11.0	6	23.0	11.85	* 104356
14	1.00	35.0	10.0	6	27.5	13.88	* 104359
14	1.50	35.0	10.0	6	27.5	13.85	* 104360



N5310							N5310			
$\varnothing d_1$ M	P mm	s mm	l_1 mm	\oplus	$\rightarrow \leftarrow$	ID				
3	0.50	18.0	5.0	3	2.92	104464				
3.5	0.60	18.0	5.0	3	3.41	* 104465				
4	0.70	18.0	5.0	3	3.91	104478				
4.5	0.75	18.0	7.0	3	4.41	* 104479				
5	0.80	18.0	7.0	4	4.90	104487				
6	1.00	18.0	7.0	4	5.88	104493				
7	1.00	21.0	9.0	4	6.88	* 104497				
8	1.25	21.0	9.0	4	7.87	104502				
9	1.25	21.0	9.0	5	8.87	* 104503				
10	1.50	27.0	11.0	4	9.85	104438				
12	1.75	36.0	14.0	4	11.83	104443				
14	2.00	36.0	14.0	4	13.82	104445				
16	2.00	41.0	18.0	4	15.82	104447				
18	2.50	41.0	18.0	5	17.79	104450				
20	2.50	41.0	18.0	5	19.79	104453				
22	2.50	50.0	22.0	5	21.79	104456				
24	3.00	50.0	22.0	5	23.76	104459				
27	3.00	60.0	25.0	5	26.76	* 104463				
30	3.50	60.0	25.0	5	29.73	104468				
52	5.00	85.0	36.0	8	51.66	* 104489				
$\varnothing d_1$ MF	P mm	s mm	l_1 mm	\oplus	$\rightarrow \leftarrow$	ID				
6	0.75	18.0	7.0	4	5.90	* 104492				
8	0.75	21.0	9.0	4	7.90	* 104500				
8	1.00	21.0	9.0	4	7.88	* 104501				
12	1.00	36.0	10.0	4	11.88	* 104440				
20	1.50	41.0	14.0	6	19.85	* 104451				
27	1.50	60.0	18.0	6	26.85	* 104461				
27	2.00	60.0	18.0	6	26.82	* 104462				
30	2.00	60.0	18.0	6	29.82	* 104467				
33	1.50	60.0	18.0	7	32.85	* 104469				
33	2.00	60.0	18.0	7	32.82	* 104470				
38	1.50	70.0	20.0	8	37.85	* 104475				
39	1.50	70.0	20.0	8	38.85	* 104476				
40	1.50	70.0	20.0	8	39.85	* 104480				
64	2.00	115.0	22.0	8	63.82	* 104495				

N5310						N5310	N5310	N5420
								
								
 								
  								
								
$\varnothing'' d_1$ G	P TPI	s mm	l_1 mm	\oplus	$\rightarrow \leftarrow$	ID		
1/4	19	36.0	10.0	5	13.03	104428		
3/8	19	41.0	14.0	5	16.54	104433		
1/2	14	41.0	14.0	6	20.81	104427		
5/8	14	50.0	16.0	6	22.77	* 104434		
3/4	14	50.0	16.0	6	26.30	104432		
7/8	14	60.0	18.0	6	30.06	* 104435		
1	11	60.0	18.0	7	33.07	104430		
1 3/8	11	85.0	22.0	7	44.14	* 104426		
1 3/4	11	100.0	22.0	8	53.57	* 104425		
$\varnothing'' d_1$ W	P TPI	s mm	l_1 mm	\oplus	$\rightarrow \leftarrow$	ID		
1/8	40	18.0	5.0	3	3.09	* 104512		
3/16	24	18.0	7.0	3	4.66	* 104515		
7/16	14	27.0	11.0	5	10.98	* 104520		
9/16	12	36.0	14.0	4	14.14	* 104522		
7/8	9	50.0	22.0	5	22.10	* 104521		
1 3/8	6	60.0	25.0	6	34.77	* 104508		
1 1/2	6	70.0	30.0	6	37.95	* 104504		
1 3/4	5	85.0	36.0	6	44.28	* 104507		
2	4.5	85.0	36.0	7	50.63	* 104514		
$\varnothing d_1$ M	P mm	d_2 mm	l_1 mm	\oplus	$\rightarrow \leftarrow$	ID		
2.5	0.45	16.0	8.0	4	2.43	* 104527		
3.5	0.60	16.0	9.5	4	3.41	* 104530		
4	0.70	16.0	9.5	4	3.90	* 104531		
8	1.25	25.0	14.0	5	7.86	* 104535		