

# Unified pipe thread conical NPT / NPTF

## NPT

N° ET1830



	HSS-E Co5		Inox Stainless		339
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N° E11820



	HSS-E Co5		Rm <850		341
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## NPTF

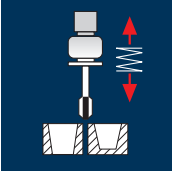
N° E11846



	HSS-E Co5		Rm <850		343
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NPT  
NPTF

## Application



## Material

Stainless steel  
ferritic/martensitic



Stainless steel  
[Cr-Ni/1.4301]



Stainless steel  
[Cr-Ni-Mo-.../1.4571]



Heat resistant steel  
[17-4 PH]



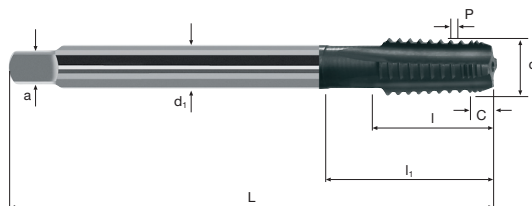
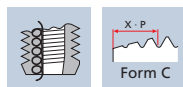
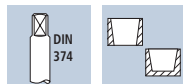
NPT		ø [mm]	P [mm]	v <sub>c</sub>	n [min <sup>-1</sup> ]	v <sub>f</sub> [100%]		
1/16	-27	6.25	0.941	2	100	94		
1/8	-27	8.50	0.941	2	75	71		
1/4	-18	11.10	1.411	2	55	78		
3/8	-18	14.70	1.411	2	45	63		
1/2	-14	18.00	1.814	2	35	63		
3/4	-14	23.25	1.814	2	25	45		
1"	-11.5	29.25	2.209	2	20	44		
1/16	-27	6.25	0.941	2	100	94		
1/8	-27	8.50	0.941	2	75	71		
1/4	-18	11.10	1.411	2	55	78		
3/8	-18	14.70	1.411	2	45	63		
1/2	14	18.00	1.814	2	35	63		
3/4	-14	23.25	1.814	2	25	45		
1"	-11.5	29.25	2.209	2	20	44		
1/16	-27	6.25	0.941	2	100	94		
1/8	-27	8.50	0.941	2	75	71		
1/4	-18	11.10	1.411	2	55	78		
3/8	-18	14.70	1.411	2	45	63		
1/2	-14	18.00	1.814	2	35	63		
3/4	-14	23.25	1.814	2	25	45		
1"	-11.5	29.25	2.209	2	20	44		
1/16	-27	6.25	0.941	1.5	75	71		
1/8	-27	8.50	0.941	1.5	55	52		
1/4	-18	11.10	1.411	1.5	45	63		
3/8	-18	14.70	1.411	1.5	30	42		
1/2	-14	18.00	1.814	1.5	25	45		
3/4	-14	23.25	1.814	1.5	20	36		
1"	-11.5	29.25	2.209	1.5	15	33		

# Taps



NPT

60°  
1 : 16  
HSS-E  
Co5

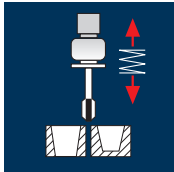


**Inox**  
Stainless

Example: Order-N°.											TRIBO
Article-N°. <b>ET1830</b>											<b>ET1830</b>
ø-Code <b>.840</b>											
ø-Code	d	P(TPI)	L	l	l <sub>1</sub>	d <sub>1</sub>	a				
.840	1/16	-27	80	17.5	27	7	5.5	3			●
.841	1/8	-27	90	19.0	30	8	6.2	4			●
.842	1/4	-18	100	27.0	40	11	9.0	4			●
.843	3/8	-18	110	27.0	40	14	11.0	4			●
.844	1/2	-14	125	35.0	48	18	14.5	5			●
.845	3/4	-14	140	35.0	50	20	16.0	5			●
.846	1"	-11.5	170	44.5	60	28	22.0	5			●

NPT  
NPTF

## Application



## Material

Steel  
 $< 500 \text{ N/mm}^2$



NPT		$\phi$ [mm]	P [mm]	$v_c$	n [min <sup>-1</sup> ]	$v_f$ [100%]		
1/16	-27	6.25	0.941	8	405	381		
1/8	-27	8.50	0.941	8	300	282		
1/4	-18	11.10	1.411	8	230	325		
3/8	-18	14.70	1.411	8	175	247		
1/2	-14	18.00	1.814	8	140	254		
3/4	-14	23.25	1.814	8	110	200		
1"	-11.5	29.25	2.209	8	85	188		

Steel  
 $500 - 850 \text{ N/mm}^2$



1/16	-27	6.25	0.941	6	305	287		
1/8	-27	8.50	0.941	6	225	212		
1/4	-18	11.10	1.411	6	170	240		
3/8	-18	14.70	1.411	6	130	183		
1/2	-14	18.00	1.814	6	105	190		
3/4	-14	23.25	1.814	6	80	145		
1"	-11.5	29.25	2.209	6	65	144		

Steel  
 $850 - 1100 \text{ N/mm}^2$



1/16	-27	6.25	0.941	5	255	240		
1/8	-27	8.50	0.941	5	185	174		
1/4	-18	11.10	1.411	5	145	205		
3/8	-18	14.70	1.411	5	110	155		
1/2	-14	18.00	1.814	5	90	163		
3/4	-14	23.25	1.814	5	70	127		
1"	-11.5	29.25	2.209	5	55	121		

Wrought aluminium  
alloys Si < 6%  
hardened



1/16	-27	6.25	0.941	10	510	480		
1/8	-27	8.50	0.941	10	375	353		
1/4	-18	11.10	1.411	10	285	402		
3/8	-18	14.70	1.411	10	215	303		
1/2	-14	18.00	1.814	10	175	317		
3/4	-14	23.25	1.814	10	135	245		
1"	-11.5	29.25	2.209	10	110	243		

## Material

Cast iron  
GG(G)



NPT		$\phi$ [mm]	P [mm]	$v_c$	n [min <sup>-1</sup> ]	$v_f$ [100%]		
1/16	-27	6.25	0.941	6	305	287		
1/8	-27	8.50	0.941	6	225	212		
1/4	-18	11.10	1.411	6	170	240		
3/8	-18	14.70	1.411	6	130	183		
1/2	-14	18.00	1.814	6	105	190		
3/4	-14	23.25	1.814	6	80	145		
1"	-11.5	29.25	2.209	6	65	144		

# Taps

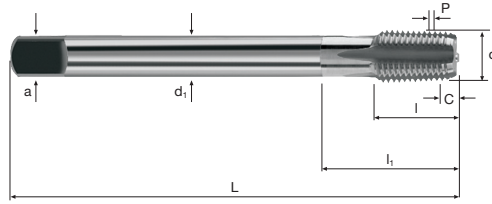


**NPT**

**HSS-E Co5**  
1 : 16

DIN 374

Form C



**Rm** < 850    **Rm** 850-1100    **GG(G)** Aluminium Copper

Example: Order-N°.									Article-N°: <b>E11820</b>		ø-Code: <b>.840</b>	
Ø Code	d	P(TPI)	L	l	l1	d1	a					
<b>.840</b>	<b>1/16</b>	<b>-27</b>	80	14	27	7	5.5	3		●		
<b>.841</b>	<b>1/8</b>	<b>-27</b>	90	14	30	8	6.2	4		●		
<b>.842</b>	<b>1/4</b>	<b>-18</b>	100	20	40	11	9.0	4		●		
<b>.843</b>	<b>3/8</b>	<b>-18</b>	110	20	40	14	11.0	4		●		
<b>.844</b>	<b>1/2</b>	<b>-14</b>	125	26	48	18	14.5	5		●		
<b>.845</b>	<b>3/4</b>	<b>-14</b>	140	26	50	20	16.0	5		●		
<b>.846</b>	<b>1"</b>	<b>-11.5</b>	170	31	60	28	22.0	5		●		

**NPT**  
**NPTF**

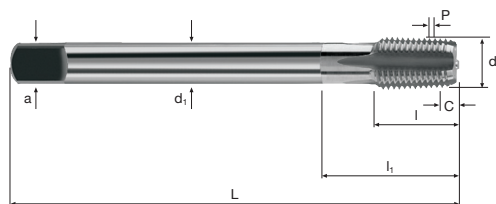
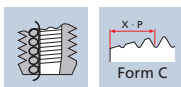
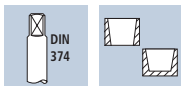


# Taps



**NPTF**

**HSS-E  
Co5**



**Rm** < 850    **Rm** 850-1100    **GG(G)** Aluminium Copper

Example:		Article-N°		ø-Code						E11846	
Order-N°.		E11846		.840							
Ø Code	d	P(TPI)	L	l	l1	d1	a				
.840	1/16	-27	80	17.5	27	7	5.5	3		●	
.841	1/8	-27	90	19.0	30	8	6.2	4		●	
.842	1/4	-18	100	27.0	40	11	9.0	4		●	
.843	3/8	-18	110	27.0	40	14	11.0	4		●	
.844	1/2	-14	125	35.0	48	18	14.5	5		●	
.845	3/4	-14	140	35.0	50	20	16.0	5		●	
.846	1"	-11.5	170	44.5	60	28	22.0	5		●	

**NPT  
NPTF**