












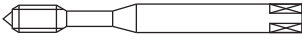




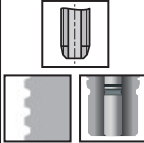
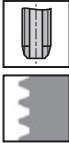
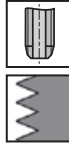
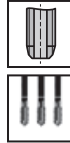
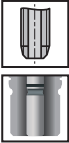









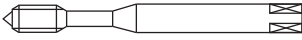

NPT, NPTF

Maschinengewindebohrer, NPT ASME B1.20.1 und NPTF ANSI B1.20.3
Machine taps, NPT ASME B1.20.1 and NPTF ANSI B1.20.3

		N			
Merkmale Characteristics			 	 	 1:16
					
Lochart Hole type					
					
		N410-3	N410V-3	N411V-3	D5800
NPT DIN lang NPT DIN long	DC	220	220	220	221
NPTF DIN lang NPTF DIN long	DC	220			

PG, TR

Maschinen- und Handgewindebohrer, PG DIN 40430, TR ISO 2901-2904, DIN 103
 Machine and hand taps, PG DIN 40430, TR ISO 2901-2904, DIN 103

	N					
Merkmale Characteristics						
						
Lochart Hole type						
						
	N420-3	N410-1	N410-2	N410-3	N410-5	N410-8
PG DIN lang PG DIN long	DIN 40433	222				
TR DIN lang TR DIN long	DC	223	223	223	223	222
Toleranz Tolerance	TR 7H			223	223	222

NPT, NPTF, PG, TR

NPT, NPTF

ASME B1.20.1, ANSI B1.20.3

HSSE



							N410-3	N410V-3	N411V-3	N410-3
N410-3										
N410V-3										
N411V-3										
N410-3										
$\emptyset'' d_1$ NPT, NPTF	P TPI	l_1 mm	l_2 mm	d_2 mm	a mm		ID	ID	ID	ID
1/16	27	71	13	7	5.5		● 101961	● 102021	● 102031	● 101971
1/8	27	71	13	8	6.2		● 101964	● 102024	● 102034	● 101974
1/4	18	80	20	11	9		● 101963	● 102023	● 102033	● 101973
3/8	18	90	20	12	9		● 101968	● 102028	● 102038	● 101978
1/2	14	100	26	16	12		● 101962	● 102022	● 102032	● 101972
3/4	14	110	26	20	16		● 101967	● 102027	● 102037	● 101977
1	11.5	125	32	25	20		● 101965	● 102025	● 102035	● 101975
1 1/4	11.5	125	32	32	24		● 101960	● 102020		
1 1/2	11.5	140	32	36	29		● 101959	● 102019		
2	11.5	160	32	36	29		● 101966	● 102026		

Vc (m/min) Ø d1 - Guide Line				
NPT, NPTF	1/16" - 1/4"	3/8" - 1/2"	3/4" - 1"	1.1/4" - 2"
	6	5	4	3
	5	4	3	2
	10	8	7	5
	18	15	13	10

NPT, NPTF

ASME B1.20.1, ANSI B1.20.3

HSSE

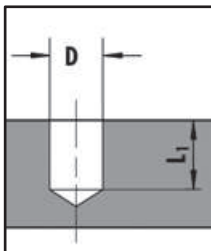


					D5800			
D5800								
Ø" NPT, NPTF	l₁ mm	l₂ mm	d₂ mm	a mm	ID			
1/16	70	17	6	4.9	● 118701			
1/8	70	17	8	6.2	● 110531			
1/4	80	27	10	8	● 110530			
3/8	85	27	12	9	● 110535			
1/2	95	35	16	12	● 110529			
3/4	105	35	20	16	● 110534			
1	130	43	25	20	● 110532			

Kernloch-Durchmesser für NPT- und NPTF-Gewinde Core hole diameters for NPT and NPTF threads

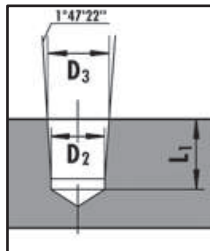
Bohrung zylindrisch
Vermeiden, da schnellere
Abnützung des Gewindebohrers
und Klemmen

Parallel hole
Increased tap wear,
not recommended



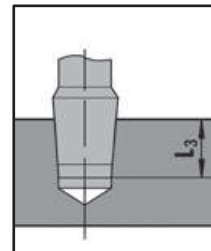
Bohrung konisch 1:16
Zylindrisch bohren nach Ø D₂
und konisch aufreiben auf Ø D₃

Tapered hole 1:16
Pre-drill at Ø D₂
and taper-ream to Ø D₃



Gewindeschneiden
Gewindebohrer auf Nennmass
L₃ eindrehen

Tapped hole
Engage tap to hole depth
L₃ = nominal Ø

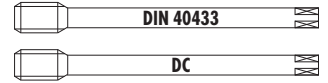


*Es wird empfohlen, das
Kernloch auf D₃ maxi
konisch aufzureiben.
*Taper-ream at upper limit
D₃ is recommended

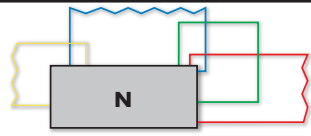





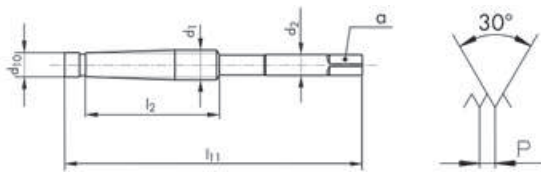


Ø" NPT, NPTF	D mm	L ₁ mm	D ₂ mm	NPT	NPTF	L ₃ mm
				D ₃ (+0.05) mm	D ₃ (+0.05) mm	
1/16	6.15	12	6	6.39	6.41	10.2
1/8	8.5	12	8.3	8.74	8.76	10.3
1/4	11	17.5	10.8	11.36	11.4	15.1
3/8	14.5	17.5	14.2	14.8	14.84	15.3
1/2	17.9	23	17.5	18.32	18.33	20
3/4	23.2	23	22.8	23.67	23.68	20.5
1	29	28	28.6	29.69	29.72	24.6

PG DIN 40430 TR ISO 2901-2904, DIN 103

HSSE



										N420-3			N410-8
N420-3													
N410-8													
$\emptyset d_1$ PG	P TPI	d_1 mm	l_1 mm	l_2 mm	d_2 mm	a mm				ID			
7	20	12.5	100	24	9	7	3	11.3	●	104901			
9	18	15.2	100	26	12	9	3	13.9	●	104902			
11	18	18.6	110	26	14	11	4	17.3	●	104903			
13.5	18	20.4	125	28	16	12	4	19.1	●	104904			
16	18	22.5	125	28	18	14.5	4	21.2	●	104905			
21	16	28.3	150	36	22	18	4	26.8	●	104906			
29	16	37	170	38	28	22	4	35.5	●	104907			
36	16	47	190	38	36	29	5	45.5	●	104908			
$\emptyset d_1$ TR	P mm	l_{11} mm	l_2 mm	d_{10} mm	d_2 mm	a mm				ID			
10	2	100	45	8.2	7	5.5	3	8.2	●	102008			
12	3	140	75	9.25	8	6.2	3	9.25	●	102009			
14	3	150	75	11.25	10	8	3	11.25	●	102010			
16	4	180	100	12.25	11	9	3	12.25	●	102011			
18	4	180	100	14.25	12	9	3	14.25	●	102012			
20	4	190	100	16.25	14	11	3	16.25	●	102013			
22	5	220	110	17.25	16	12	4	17.25	●	111616			
24	5	220	110	19.25	18	14.5	4	19.25	●	102015			

									N410-1	N410-2	N410-3	N410-S
N410-1 												
N410-2 												
N410-3 												
N410-S 												
									<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;">7H</div> <div style="border: 1px solid black; padding: 5px;">7H</div> </div>			
$\emptyset d_1$ TR	P mm	l_{11} mm	l_2 mm	d_{10} mm	d_2 mm	a mm			ID	ID	ID	ID
10	2	85	30	8.2	7	5.5	3	8.2	* 101827	* 101838	* 101979	* 110972
16	4	165	65	12.25	11	9	3	12.25	* 101830	* 101841	* 101982	* 110975
<p>Zufolge der geringen Nachfrage führen wir TR-Gewindebohrer-Sätze nicht mehr im Standard-Programm. Auf Wunsch bieten wir Ihnen diese gerne als Spezialanfertigung an, Preis und Lieferfrist auf Anfrage.</p> <p>Due to low demand, we no longer keep TR tap sets in our standard programme. On request, we will be pleased to offer these as custom-made products, price and delivery time on demand.</p>												