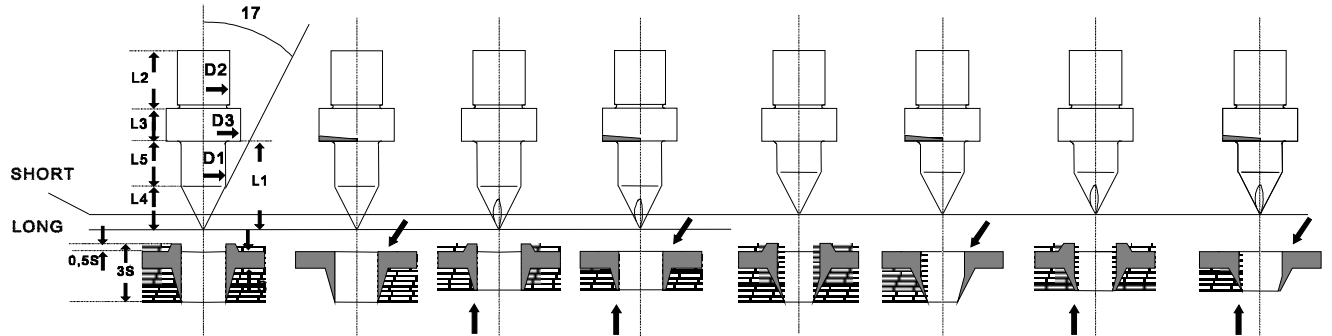


Friktionsbor til
Thermal Frictional Drilling



perfekte huller i plade og rør
for perfect bushes in tube and sheet metal.



Diameter Ø	Type	Long		Long/Flat		Lo/Rem		Lo/Fl/Rem		Short		Sh/Flat		Sh/Rem		Sh/Fl/Rem	
		Dkk.	€	Dkk.	€	Dkk.	€	Dkk.	€	Dkk.	€	Dkk.	€	Dkk.	€	Dkk.	€
2,0 - 2,9		425,-	56,97	716,-	95,98	534,-	71,58	825,-	110,59	412,-	55,23	703,-	94,24	526,-	70,51	813,-	108,98
3,0 - 3,9		425,-	56,97	716,-	95,98	505,-	67,69	800,-	107,24	412,-	55,23	703,-	94,24	497,-	66,62	788,-	105,63
4,0 - 4,9		441,-	59,12	748,-	100,27	530,-	71,05	837,-	112,20	433,-	58,04	736,-	98,66	517,-	69,30	825,-	110,59
5,0 - 5,9		485,-	65,01	825,-	110,59	582,-	78,02	922,-	123,59	461,-	61,80	784,-	105,09	558,-	74,80	877,-	117,56
6,0 - 6,9		538,-	72,12	914,-	122,52	647,-	86,73	1019,-	136,60	513,-	68,77	869,-	116,49	614,-	82,31	970,-	130,03
7,0 - 7,9		602,-	80,70	1015,-	136,06	720,-	96,51	1136,-	152,28	570,-	76,41	988,-	129,49	683,-	91,55	1079,-	144,64
8,0 - 8,9		667,-	89,41	1067,-	143,03	800,-	107,24	1201,-	160,99	635,-	85,12	1031,-	138,20	764,-	102,41	1160,-	155,50
9,0 - 9,9		736,-	98,66	1104,-	147,99	881,-	118,10	1249,-	167,43	699,-	93,70	1096,-	146,92	837,-	112,20	1233,-	165,28
10,0 - 10,9		809,-	108,45	1193,-	159,92	970,-	130,03	1350,-	180,97	768,-	102,95	1152,-	154,42	926,-	124,13	1306,-	175,07
11,0 - 11,9		889,-	119,17	1249,-	167,43	1067,-	143,03	1427,-	191,29	853,-	114,34	1233,-	165,28	1023,-	137,13	1403,-	188,07
12,0 - 12,9		950,-	127,35	1286,-	172,39	1144,-	153,35	1476,-	197,86	918,-	123,06	1273,-	170,64	1100,-	147,45	1455,-	195,04
13,0 - 13,9		1083,-	145,17	1415,-	189,68	1302,-	174,53	1633,-	218,90	1035,-	138,74	1346,-	180,43	1245,-	166,89	1557,-	208,71
14,0 - 14,9		1197,-	160,46	1557,-	208,71	1468,-	196,78	1795,-	240,62	1136,-	152,28	1476,-	197,86	1362,-	182,57	1702,-	228,15
15,0 - 15,9		1326,-	177,75	1722,-	230,83	1593,-	213,54	1989,-	266,62	1261,-	169,03	1641,-	219,97	1516,-	203,22	1896,-	254,16
16,0 - 16,9		1451,-	194,50	1884,-	252,55	1738,-	232,98	2175,-	291,55	1387,-	185,92	1803,-	241,69	1662,-	222,79	2078,-	278,55
17,0 - 17,9		1552,-	208,04	2013,-	269,84	1864,-	249,87	2325,-	311,66	1504,-	201,61	1957,-	262,33	1807,-	242,23	2260,-	302,95
18,0 - 18,9		1649,-	221,05	2143,-	287,27	1981,-	265,55	2474,-	331,64	1601,-	214,61	2082,-	279,09	1920,-	257,37	2401,-	321,85
19,0 - 19,9		1775,-	237,94	2304,-	308,85	2131,-	285,66	2660,-	356,57	1714,-	229,76	2228,-	298,66	2054,-	275,34	2571,-	344,64
20,0 - 20,9		1908,-	255,76	2482,-	332,71	2292,-	307,24	2862,-	383,65	1839,-	246,51	2393,-	320,78	2211,-	296,38	2761,-	370,11
21,0 - 21,9		2034,-	272,65	2640,-	353,89	2438,-	326,81	3048,-	408,58	1969,-	263,94	2563,-	343,57	2365,-	317,02	2959,-	396,65
22,0 - 22,9		2163,-	289,95	2810,-	376,68	2591,-	347,32	3242,-	434,58	2098,-	281,23	2729,-	365,82	2519,-	337,67	3149,-	422,12
23,0 - 23,9		2300,-	308,31	2988,-	400,54	2757,-	369,57	3449,-	462,33	2228,-	298,66	2895,-	388,07	2672,-	358,18	3339,-	447,59
24,0 - 24,9		2446,-	327,88	3182,-	426,54	2935,-	393,43	3671,-	492,09	2369,-	317,56	3081,-	413,00	2846,-	381,50	3558,-	476,94
25,0 - 25,4		2587,-	346,78	3436,-	460,59	3105,-	416,22	3954,-	530,03	2515,-	337,13	3347,-	448,66	3016,-	404,29	3853,-	516,49

Flowdrill® fås fra Ø1,8 til over Ø46mm. Flowdrill® leveres til gængse gevind; M3-M20, G1/8"-G1" og MF, NPT, UNC, UNF m.fl.

Flowdrill® sizes from Ø1,8mm through Ø46mm. For a wide range of threads : M3-M20 and G1/8"-1", MF, NPT, UNC, UNF a.m.o.

Flowdrill® Holder m. køler MK2		Smøremidler til Flowdrill®		DKK		Holder & spændetænger mk3		DKK	
Flowdrill® Ø2 - Ø16,4 mm	Dkk 2430	80FDKS1 KG Pasta t. pensel	295,-	Flowdrill® Ø2 - Ø50mm	Dkk 3901				
Toolholder w. cooler (MT2)	€ 325,74	81FDKSF1LTR Olie t.aut. smøring	295,-	Toolholder w. cooler (MT3)	€ 522,92				
(MK2 / cyl. Ø20x80mm)		80FDUN Pasta spec. f. aluminium	295,-	(MK3 / cyl. Ø20x80mm)					
			€ 39,54						
Spændetænger	Fd-diam.	Dkk / €	Tilbehør		Spændetænger	FD-diam.	Dkk / €		
ER25 - 06	2,0 - 6,4	155 20,78	90FDCA Værktøjstaske /	340,-	ER32 - 06	2,0 - 6,4	195 26,14		
- 08	6,5 - 8,4	155 20,78	Toolbox f. Flowdrill® MC2	€ 45,58	- 08	6,5 - 8,4	195 26,14		
- 10	8,5 - 10,4	155 20,78	90FDDF Diamantfil t.Flowdrill®	396,-	- 10	8,5 - 10,4	195 26,14		
- 12	10,5 - 12,4	155 20,78	MK3-2/52 Reduk.-konus helhærd.	118,-	- 12	10,5 - 12,4	195 26,14		
- 14	12,5 - 14,4	155 20,78	MK4-3/52 Reduk.-konus helhærd.	165,-	- 14	12,5 - 14,4	195 26,14		
- 16	14,5 - 16,4	155 20,78	AMF1-3 Aut. Konusuddr. MK1-3	365,-	- 16	14,5 - 16,4	195 26,14		
					- 18	16,5 - 18,4	195 26,14		
					- 20	18,5 - 20,4	195 26,14		

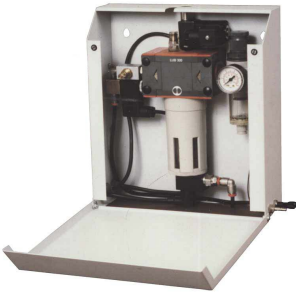

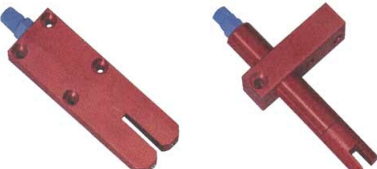
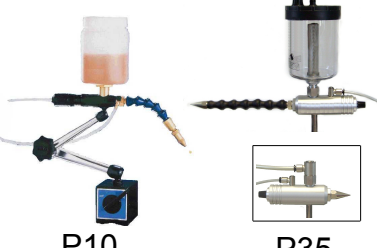
Indutek / Danish Tool Systems v. Allan Andersen

Gimmingvej 1 - 8930 Randers NØ - Tel.: 7020 9320 - Fax : 8710 6044 - www.dts-aa.dk - Email: dts@dts-aa.dk

Eneagentur på Flowdrill® friktionsboreværktøj. Speciale i gevindformning. Udvikling, fabrikation og forhandling af Indu-Lube® smøresystemer.

Erfaring med Flowdrill® siden introduktionen i Danmark i 1980 og dansk eneimportør siden 1991.

Indu-Lube® TP (mikrospraysmøresystemer) og P (punktsmøresystemer) leveret til kunder worldwide siden 1989.

	<p>INDU-LUBE® type TP4 Savning i metal: 3-6 gr. olie/time Mikrospray smøreapparat til dosering af skære- eller smøreolier. Tilbehør: Dyse, Dunkholder, Olie</p> <p>Sawing metal: 3-6 grams lubr./hour <i>Microspray unit applying cutting and lubricating oils.</i> Access.: Nozzle, Cann.mount, Lubr.</p>	<p>Mikrospray-smøreapparater: TP4 Manuel fyldning fra dunk v. tryk på en knap. <i>Manuel refilling by depressing a button.</i></p> <p>TP4-EAR Intern niveauekontrol og fuldautomatisk fyldning. Servicefri. Enkel installation. <i>Internal levelcontrol. Fully automatic refilling. Maintenance free. Easy to install.</i></p> <p>TP4 Junior, intern montage excl. kabinet <i>For internal mounting, less the steel housing.</i></p>	<table border="1"> <tr> <th>Dkk:</th> <th>EUR</th> </tr> <tr> <td>3900</td> <td>522,79</td> </tr> <tr> <td>5200</td> <td>697,05</td> </tr> <tr> <td>3600</td> <td>482,57</td> </tr> </table>	Dkk:	EUR	3900	522,79	5200	697,05	3600	482,57										
Dkk:	EUR																				
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	<p>INDU-LUBE® Olie MS-3000: Ren vegetabilisk olie, bio-nedbrydelig og uden skadelig additivering. Et miljøvenligt og økonomisk valg til minimalsmøring. Indu-Lube® smøremidler fås i flere varianter til utallige opgaver. INDU-LUBE® Lubricants <i>MS-3000: Natural, bio-degretable MQL lubricant. Economical in use.</i></p>	<p>INDU-LUBE® MS-3000 (PR-nr. 869874) 2,5 L Dunk a' Dkk 92,-/Ltr (<i>Cann. 2,5 Ltr.</i>) 5,0 L Dunk a' Dkk 84,-/Ltr (<i>Cann. 5 Ltr.</i>) 10 L Dunk a' Dkk 76,-/Ltr (<i>Cann. 10 Ltr.</i>) 20 L Dunk a' Dkk 72,-/Ltr (<i>Cann. 20 Ltr.</i>) 200 L Fad a' Dkk 58,-/Ltr (<i>Drum of 200 Ltr.</i>)</p> <p>Holder til væg 5L dunk. <i>Wallmount f. 5 Ltr. cann.</i></p> <p>Special-olier (Special lubricants): MS-780, MS-28, MS-1000</p>	<table border="1"> <tr> <th>Dkk:</th> <th>EUR</th> </tr> <tr> <td>230.00</td> <td>30.83</td> </tr> <tr> <td>420.00</td> <td>56.30</td> </tr> <tr> <td>760.00</td> <td>101.88</td> </tr> <tr> <td>1440.00</td> <td>193.03</td> </tr> <tr> <td>11600.00</td> <td>1554.96</td> </tr> <tr> <td>204.00</td> <td>27.35</td> </tr> <tr> <td>Ring</td> <td>Call</td> </tr> </table>	Dkk:	EUR	230.00	30.83	420.00	56.30	760.00	101.88	1440.00	193.03	11600.00	1554.96	204.00	27.35	Ring	Call		
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Ring	Call																				
	<p>INDU-LUBE® blokdyse Optimal smøring af klinge, skær og emne. Præcis påføring. Til savning, skærende værktøj m.m. INDU-LUBE® Nozzles for MQL <i>Optimum lubrication for sawing, milling etc. More options available.</i></p>	<p>Dyser / Nozzles (f. Indu-Lube® TP): Rør-dyse Ø4*200mm (<i>Tubular nozzle</i>) Blokdyse: Type A Mini, klinge (<i>band</i>) <25mm Sawing Type C/1 Mini, klinge (<i>band</i>) 25-32mm Nozzles Type D Maxi, klinge (<i>band</i>) 32-41mm Type E Maxi, klinge (<i>band</i>) 41-65mm Type R, rundsav, (<i>circular saw</i>) 2-4mm</p>	<table border="1"> <tr> <th>Dkk</th> <th>EUR</th> </tr> <tr> <td>57.00</td> <td>7.64</td> </tr> <tr> <td>375.00</td> <td>50.27</td> </tr> <tr> <td>375.00</td> <td>50.27</td> </tr> <tr> <td>375.00</td> <td>50.27</td> </tr> <tr> <td>375.00</td> <td>50.27</td> </tr> <tr> <td>450.00</td> <td>60.32</td> </tr> </table>	Dkk	EUR	57.00	7.64	375.00	50.27	375.00	50.27	375.00	50.27	375.00	50.27	450.00	60.32				
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	<p>INDU-LUBE® P Præcis dosering af skære- eller smøreolier. Olien skydes ud i dråbeform. Op til 750mm skudafst. (P35). Justerbar mængde. Ingen olietåge Ryg- ell. vægmonteret beholder. INDU-LUBE® P: <i>Precise shots of lubricant droplets at distances up to 750mm. (P35) Adjustable dosage. No mist.</i></p>	<p>Type P apparater : P10: m. ekstra dyse for ekstern blæseluft P35 - NY: Op til 750mm. Lang flexdyse; 170mm Beholder for P10 : 0,35L (rygmont. <i>Back mount</i>) <i>Tank f. P10, wall/hose 3,5L (hane, t.væg f. slange)</i> Beholder for P35 : 0,33L (rygmont. <i>Back mount</i>) <i>Tank f. P35, wall/hose 1,0L (hane/slange/vægoph.)</i> Magnetstand, standard. <i>Magnet stand, standard</i> Magnetstand, hydraulisk låst. <i>Hydraulic locking</i></p>	<table border="1"> <tr> <th>Dkk</th> <th>EUR</th> </tr> <tr> <td>1538.00</td> <td>206,17</td> </tr> <tr> <td>5486.00</td> <td>735,39</td> </tr> <tr> <td>290.20</td> <td>38,90</td> </tr> <tr> <td>435.00</td> <td>58,31</td> </tr> <tr> <td>560.00</td> <td>75,07</td> </tr> <tr> <td>1051.00</td> <td>140,88</td> </tr> <tr> <td>210.00</td> <td>28,15</td> </tr> <tr> <td>525.00</td> <td>70,38</td> </tr> </table>	Dkk	EUR	1538.00	206,17	5486.00	735,39	290.20	38,90	435.00	58,31	560.00	75,07	1051.00	140,88	210.00	28,15	525.00	70,38
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Gevindformere - Gevindapparater - Smøring.

Spånløs fremstilling af gevind. Til anvendelse kombineret med Flowdrill® og til gevind i massive materialer. Smøremidler til gev.formn.
Taps, tapping heads and lubricants. Chipless rollforming of threads for use in combination w. Flowdrill and in massive goods. Lubricants for tapping.

Flowtap gevindformere fra Flowdrill®
Roll Forming taps, TIN w. oilgrove
Flowtap TiN gevindformer m. smørenot

Ft-	ISO	Dkk	Eur
	M2,5	289	38,74
	M3	226	30,29
	M4	226	30,29
	M5	226	30,29
	M6	234	31,37
	M8	263	35,25
	M10	311	41,69
	M12	416	55,76
	M16	857	114,88
	M18	1023	137,13
	M20	1075	144,10
Ft-	G1/8"	501	67,16
	G1/4"	631	84,58
	G3/8"	744	99,73
	G1/2"	1023	137,13
	G3/4"	1831	245,44
	G1"	2608	349,60

Gevindapparater
Tapping attachments



Gevindapparater Reverserende (*Reversing models*)

Dobb. hast. retur. Incl. spændetænger og 2 stk MK-dorne.			
GEVR1	M2 - M7	2400	322
GEVR2	M4 - M12	2600	349
GEVR3	M8 - M20	3100	416
Ft-GA	M16 - M27	9433	1264

Flowtap - flere muligheder:

Metrisk Fin./ UNF / UNC (US gev. m.fl.)
Flowtap gevindformere leveres med TiN-coating og smørenoter for bedst mulige slid- og smøreegenskaber i enhver sammenhæng.

Forhør om mulighederne: 70209320

Flowdrill B.V. fremstiller og leverer værktøj til hele verden, og præsenterer derfor et bredere sortiment i gevindformere end normalt set fra danske leverandører.

Contact us : +45 70209320

Flowtaps comes w. TiN-coating and oil-grooves for best wear-resistance and lubrication.

Flowdrill B.V. distribute tools worldwide, which enables us to provide You a wider range of roll forming taps (various thread types) compared to almost any local distributor or manufacturer.

Smøremidler til gevindformning (Lubr.)

MS-1000 gev.olie 1 ltr.	131	17,56
Ft-mz Flowdrill® gev.olie 1 ltr.	295	39,54
Aka220 gev.olie 220 ml/disp-fl.	71	9,52
Aka.1L gev.olie 1 l dunk	166	22,25
Aka.10L gev.olie 10 l dunk	1433	192,09

Indutek / Danish Tool Systems

Gimmingvej 1 – 8930 Randers NØ - Denmark - Tel: +45 7020 9320 – Fax : +45 8710 6044 - www.dts-aa.dk - Email: dts@dts-aa.dk

Specialist in Flowdrill and roll formed tapping of threads. Experience with Flowdrill® since 1980. Agent of Flowdrill® frictional drills since 1991.

Manufacture and sale of Indu-Lube® MQL-systems. Indu-Lube® TP Microspray and P-point lubricators delivered for customers worldwide since 1989.