

# simturnDX

**The first choice for multifunctional high precision internal machining from Ø7mm bores.**

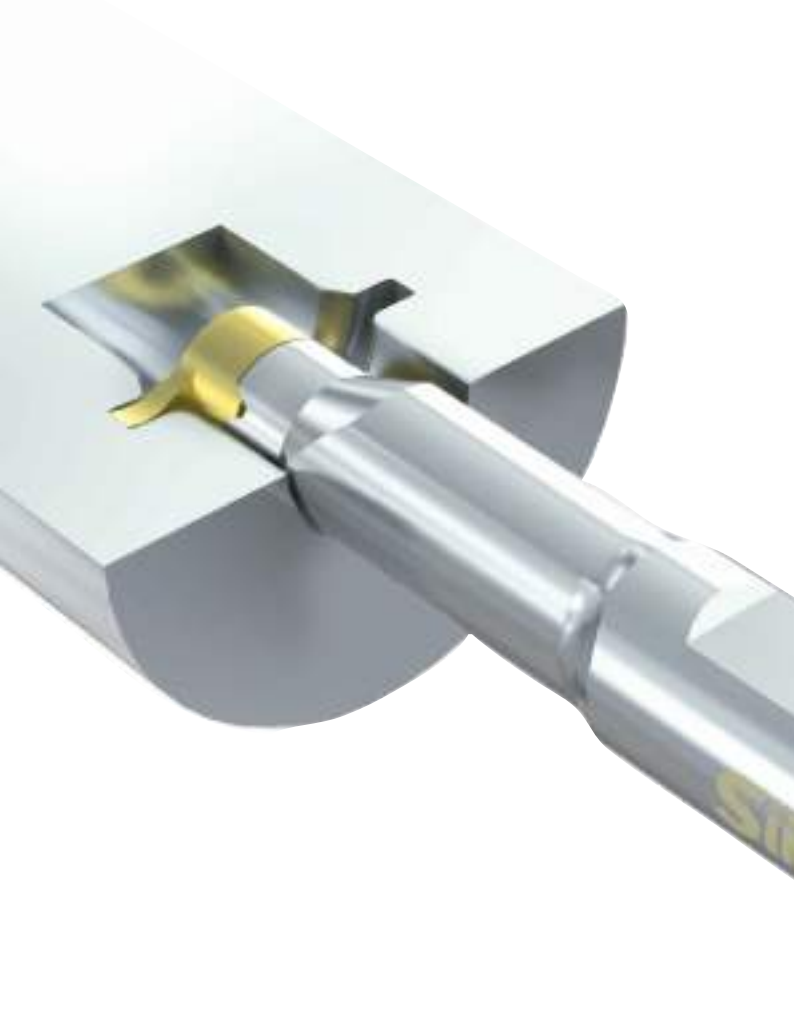
Simturn DX combines high precision and the widest range of versatility for internal machining without compromise.

Tool holders are available in a range from Ø7mm to Ø16mm minimum bores with steel or carbide shanks.

The range is completed with the new Simturn DX adjustable length holder with patented 'ME' clamping for machining short to long length applications with one holder.

## ADVANTAGES

- One tool holder for multiple applications.
- High precision ground inserts provide exceptional accuracy and surface finish.
- Excellent performance in short to deep bores.



## PRECISE INTERNAL MACHINING FROM Ø7mm

### MAIN APPLICATIONS



#### Boring

- ▶ From Ø7mm bores
- ▶ Standard & back boring



#### Grooving

- ▶ From Ø7mm bores
- ▶ Square or full radius, internal and face grooving



#### Thread Turning

- ▶ From M8
- ▶ Metric, UN, TR, ACME, NPT and BSW



#### Copying & Profiling

- ▶ From Ø7mm bores
- ▶ With 47° relief angle

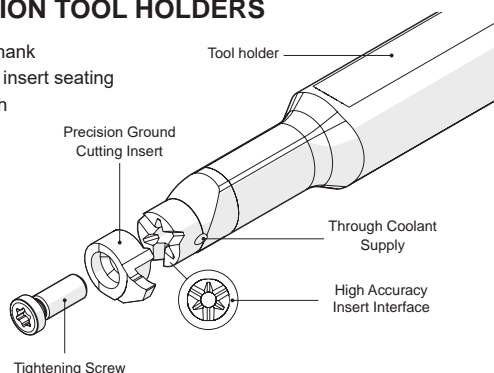


#### Custom Solutions

- ▶ Inserts made to your specification

### HIGH PRECISION TOOL HOLDERS

- ▶ Steel or carbide shank
- ▶ Extremely precise insert seating
- ▶ Short to long reach



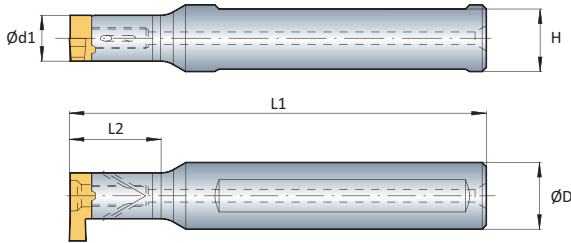
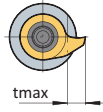
### 'ME' CONCENTRIC CLAMPING TOOL HOLDERS

- ▶ Adjustable in length for short, medium or long reach with one holder
- ▶ Carbide shank with patented ME clamping system for highest stability and precision
- ▶ Usable lengths from 31-87.5mm (D10 series) & 42-124mm (D14 series)



**SIMTURN DX TOOL HOLDER FOR INTERNAL MACHINING  
ROUND SHANK**

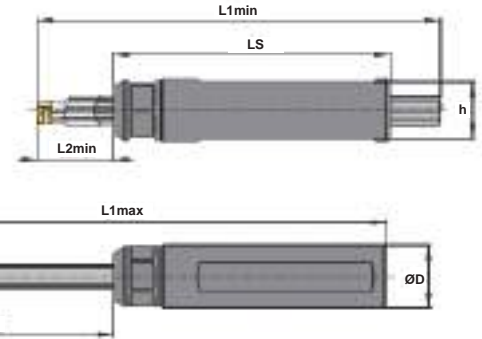
- ▶ Steel shank for shallow bore applications
- ▶ Carbide shank for reduced vibration
- ▶ Through coolant



ØD	L2	Ød1	H	L1	t <sub>max</sub>	GEOMETRY	ORDER CODE	PRICE	SERIES
<b>STEEL SHANK</b>									
12	21	4.8	11	80	1	D07.0012.21 ST	AU5Z		D07
16	12	4.8	15	80	1	D07.0016.12 ST	AU6A		
12	21	6	11	80	1	D08.0012.21 ST	AKHT		D08
16	12	6	15	80	1	D08.0016.12 ST	AH2A		
16	14	4.8	15	95	3	D09.0016.14 ST	AWFE		D09
16	16	7.4	15	97	3.4	D10.0016.16 ST	ACCJ		D10
12	29	8	11	95	2.3	D11.0012.29 ST	AAV0		D11
16	16	8	15	97	2.3	D11.0016.16 ST	ANMK		
16	20	9.5	15	100	6.5	D14.0016.20 ST	ANP6		D14
16	22	11	15	100	4.3	D16.0016.22 ST	AEQC		D16
<b>CARBIDE SHANK</b>									
12	21	4.8	11	80	2	D07.0012.21 HM	AU5Y		D07
12	30	4.8	11	90	2	D07.0012.30 HM	AU50		
12	42	4.8	11	100	2	D07.0012.42 HM	AU51		
12	21	6	11	80	1	D08.0012.21 HM	AF03		D08
12	30	6	11	90	1	D08.0012.30 HM	AB7V		
12	50	6	11	115	1	D08.0012.50 HM	AA9E		
12	22	6.6	11	90	3	D09.0012.22 HM	AWFD		D09
12	30	6.6	11	98	3	D09.0012.30 HM	AWFC		
12	56	6.6	11	122	3	D09.0012.56 HM	AWFA		
12	24	7.4	11	92	3.4	D10.0012.24 HM	AKMV		D10
12	32	7.4	11	100	3.4	D10.0012.32 HM	AJJ7		
12	48	7.4	11	115	3.4	D10.0012.48 HM	AHP2		
12	64	7.4	11	130	3.4	D10.0012.64 HM	ACB2		
12	29	8	11	95	2.3	D11.0012.29 HM	AHJ1		D11
12	56	8	11	120	2.3	D11.0012.56 HM	AHEF		
12	64	8	11	130	2.3	D11.0012.64 HM	ABD8		
12	34	9.5	11	100	6.5	D14.0012.34 HM	AMQ7		D14
12	45	9.5	11	110	6.5	D14.0012.45 HM	AMYJ		
12	64	9.5	11	130	6.5	D14.0012.64 HM	AEQA		
16	34	9.5	15	100	6.5	D14.0016.34 HM	AFP8		
16	45	9.5	15	110	6.5	D14.0016.45 HM	AA1H		D16
16	75	9.5	15	145	6.5	D14.0016.75 HM	AFD1		
12	40	11	11	130	4.3	D16.0012.40 HM	AESE		D14
12	56	11	11	130	4.3	D16.0012.56 HM	ABY7		
16	40	11	15	130	4.3	D16.0016.40 HM	ACA6		D16
16	56	11	15	130	4.3	D16.0016.56 HM	ABJH		
16	80	11	15	150	4.3	D16.0016.80 HM	AEF9		

**SIMTURN DX TOOL HOLDER FOR INTERNAL MACHINING  
ROUND SHANK - 'ME' LENGTH ADJUSTABLE**

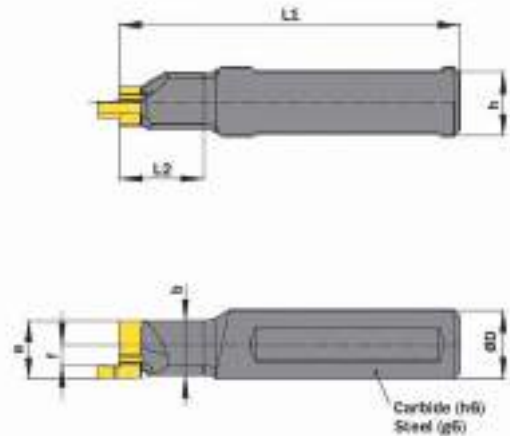
- ▶ Adjustable length
- ▶ 'ME' concentric clamping sleeve
- ▶ Carbide shank bar
- ▶ Through coolant



ØD	L2 <sub>min</sub>	L2 <sub>max</sub>	b	h	LS	L1 <sub>min</sub>	L1 <sub>max</sub>	GEOMETRY	ORDER CODE	PRICE	SERIES
<b>CARBIDE SHANK</b>											
20	31	87.5	7.5	17	87.5	127.5	175	D10.0.750.24.087 ME	A5XH		D10
20	42	124	9.5	17	87.5	164	211.5	D14.0.750.25.124 ME	A5XK		D14

**SIMTURN DX TOOL HOLDER FOR FACE GROOVING  
ROUND SHANK**

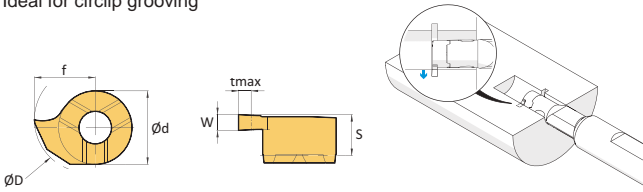
- ▶ Optimized design for face grooving
- ▶ Through coolant



ØD	L2	b	h	L1	GEOMETRY	ORDER CODE	PRICE	SERIES
<b>STEEL SHANK</b>								
16	5.3	12.7	15	70	D14.A.0016.05 ST R	AB51		D14
16	20	12.7	15	80	D14.A.0016.20 ST R	AE7Z		
<b>CARBIDE SHANK</b>								
16	42	12.7	15	100	D14.A.0016.42 HM R	ABY3		D14
16	62	12.7	15	120	D14.A.0016.62 HM R	AQDY		

**SIMTURN DX  
GROOVING INSERTS**

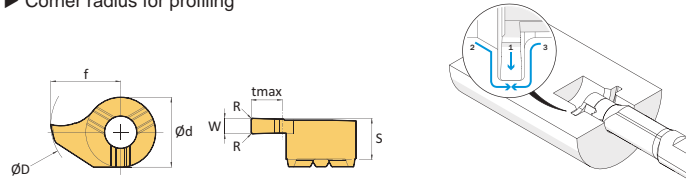
- ▶ For use in bores from 7mm diameter
- ▶ Ideal for circlip grooving



ØD	W +0.03	Ød	f	S	t max	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
7	1.0	4.8	4.2	3.7	1	D07.0100.00.07 GR	AU52X800			D07
7	1.5	4.8	4.2	3.7	1	D07.0150.00.07 GR	AU53X800			
8	0.73	6	4.8	3.3	1	D08.0070.00 ZR	AB9UX800			D08
8	0.83	6	4.8	3.3	1	D08.0080.00 ZR	AKJ6X800			
8	0.93	6	4.8	3.3	1	D08.0090.00 ZR	AN56X800			
8	1	6	4.8	3.3	1	D08.0100.00 GR	AKUAX800			
8	1.2	6	4.8	3.3	1	D08.0110.00 GR	ABPMX800			
8	1.4	6	4.8	3.3	1	D08.0130.00 GR	AMN4X800			
8	1.5	6	4.8	3.3	1	D08.0150.00 GR	AK83X800			
8	1.7	6	4.8	3.3	1	D08.0160.00 GR	ACV2X800			
8	2	6	4.8	3.3	1	D08.0200.00 GR	AJB6X800			
9	0.73	6.2	5.5	3.6	1.2	D09.0070.00.09 GR	AWFXX800			D09
9	0.83	6.2	5.5	3.6	1.3	D09.0080.00.09 GR	AWFWX800			
9	0.93	6.2	5.5	3.6	1.5	D09.0090.00.09 GR	AWFVX800			
9	1	6.2	5.5	3.6	1.8	D09.0100.00.09 GR	AWFUX800			
9	1.2	6.2	5.5	3.6	1.8	D09.0110.00.09 GR	AWFTX800			
9	1.4	6.2	5.5	3.6	1.8	D09.0130.00.09 GR	AWFSX800			
9	1.5	6.2	5.5	3.6	1.8	D09.0150.00.09 GR	AWFQX800			
9	1.7	6.2	5.5	3.6	1.8	D09.0160.00.09 GR	AWFPX800			
9	2	6.2	5.5	3.6	1.8	D09.0200.00.09 GR	AWFNX800			
9	2.5	6.2	5.5	3.6	1.8	D09.0250.00.09 GR	AWFMX800			
9	3	6.2	5.5	3.6	1.8	D09.0300.00.09 GR	AWFKX800			
10	0.73	7	5.8	3.9	1.2	D10.0070.00.10 GR	AFSUX800			
10	0.93	7	5.8	3.9	1.5	D10.0090.00.10 GR	AMHSX800			
10	1	7	5.8	3.9	1.8	D10.0100.00.10 GR	AH7VX800			
10	1.2	7	5.8	3.9	1.8	D10.0110.00.10 GR	AC8UX800			
10	1.4	7	5.8	3.9	1.8	D10.0130.00.10 GR	ANFZX800			
10	1.5	7	5.8	3.9	1.8	D10.0150.00.10 GR	AG47X800			
10	1.7	7	5.8	3.9	1.8	D10.0160.00.10 GR	ANVJX800			
10	2	7	5.8	3.9	1.8	D10.0200.00.10 GR	AAGCX800			
10	2.5	7	5.8	3.9	1.8	D10.0250.00.10 GR	AKZ9X800			
10	3	7	5.8	3.9	1.8	D10.0300.00.10 GR	AJ38X800			
10	3.18	7	5.8	3.9	1.8	D10.0318.00.10 GR	AF7UX800			
11	0.73	8	6.7	4.2	1.2	D11.0070.00 ZR	AP1PX800			D11
11	0.83	8	6.7	4.2	1.3	D11.0080.00 ZR	AJWDX800			
11	0.93	8	6.7	4.2	1.5	D11.0090.00 ZR	AJX5X800			
11	1	8	6.7	4.2	2.3	D11.0100.00 GR	AF27X800			
11	1.2	8	6.7	4.2	2.3	D11.0110.00 GR	AC49X800			
11	1.4	8	6.7	4.2	2.3	D11.0130.00 GR	ABF3X800			
11	1.5	8	6.7	4.2	2.3	D11.0150.00 GR	ADEVX800			
11	1.7	8	6.7	4.2	2.3	D11.0160.00 GR	AK4QX800			
11	2	8	6.7	4.2	2.3	D11.0200.00 GR	AKECX800			
11	2.38	8	6.7	4.2	2.3	D11.0238.00 GR	ANH9X800			
11	2.5	8	6.7	4.2	2.3	D11.0250.00 GR	AB6UX800			
11	3	8	6.7	4.2	2.3	D11.0300.00 GR	AP3NX800			
14	0.73	9	9	5.3	1.2	D14.0070.00 ZR	AB83X800			D14
14	0.83	9	9	5.3	1.3	D14.0080.00 ZR	AF8TX800			
14	0.93	9	9	5.3	1.5	D14.0090.00 ZR	AEAMX800			
14	1	9	9	5.3	4	D14.0100.00 ZR	APFCX800			
14	1.2	9	9	5.3	4	D14.0110.00 GR	AK84X800			
14	1.4	9	9	5.3	4	D14.0130.00 GR	ADGCX800			
14	1.5	9	9	5.3	4	D14.0150.00 GR	AK6QX800			
14	1.7	9	9	5.3	4	D14.0160.00 GR	AJTAX800			
14	2.5	9	9	5.3	4	D14.0250.00 GR	AHSSX800			
14	3	9	9	5.3	4	D14.0300.00 GR	AFFUX800			
14	3.18	9	9	5.3	4	D14.0318.00 GR	AKKNX800			
16	1.5	9	10.5	5.2	5.5	D14.0150.00.16 GR	ANA2X800			
16	2	9	10.5	5.2	5.5	D14.0200.00.16 GR	AAV5X800			
16	2.5	9	10.5	5.2	5.5	D14.0250.00.16 GR	AN8CX800			
16	3	9	10.5	5.2	5.5	D14.0300.00.16 GR	ANWYX800			
16	0.73	11	10.2	5.4	1.2	D16.0070.00 ZR	AF7CX800			
16	0.83	11	10.2	5.4	1.3	D16.0080.00 ZR	AATCX800			
16	0.93	11	10.2	5.4	1.5	D16.0090.00 ZR	ADHVX800			
16	1.2	11	10.2	5.4	4.3	D16.0110.00 GR	AKCHX800			
16	1.4	11	10.2	5.4	4.3	D16.0130.00 GR	AEQ6X800			
16	1.5	11	10.2	5.4	4.3	D16.0150.00 GR	AEX2X800			
16	1.7	11	10.2	5.4	4.3	D16.0160.00 GR	ANNCX800			
16	2	11	10.2	5.4	4.3	D16.0200.00 GR	ACXXX800			
16	2.5	11	10.2	5.4	4.3	D16.0250.00 GR	AAMNX800			
16	3	11	10.2	5.4	4.3	D16.0300.00 GR	AHSWX800			
16	3.5	11	10.2	5.4	4.3	D16.0350.00 GR	ADH9X800			
16	4	11	10.2	5.4	4.3	D16.0400.00 GR	ACJ0X800			

**SIMTURN DX  
GROOVING & PROFILING INSERTS**

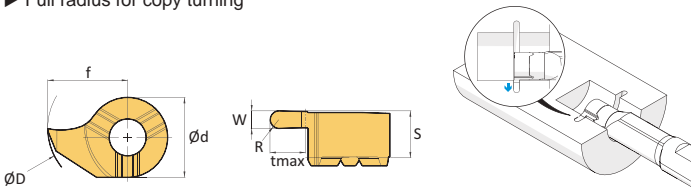
- ▶ For use in bores from 7.8mm diameter
- ▶ Corner radius for profiling



ØD	W +0.05	R	Ød	f	S	t max	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
7.8	1.5	0.2	4.8	5.2	3.7	2	D07.0150.02.08 NR	AWYHX800			D07
8	1.5	0.2	6	4.8	3.3	1	D08.0150.02 NR	AECNX800			D08
8	2	0.2	6	4.8	3.3	1	D08.0200.02 NR	AMEFX800			
9	1.5	0.2	6.2	5.5	3.6	1.8	D09.0150.02.09 NR	AWF5X800			D09
9	2	0.2	6.2	5.5	3.6	1.8	D09.0200.02.09 NR	AWF4X800			
10	1.5	0.2	6.2	6.5	3.6	2.8	D09.0150.02.10 NR	AWF3X800			
10	2	0.2	6.2	6.5	3.6	2.8	D09.0200.02.10 NR	AWF2X800			
10	1.5	0.2	7	5.8	3.9	1.8	D10.0150.02.10 NR	ADUVX800			D10
10	2	0.2	7	5.8	3.9	1.8	D10.0200.02.10 NR	AFBFX800			
11	1.5	0.2	7	6.8	3.9	2.8	D10.0150.02.11 NR	AC7XX800			D11
11	2	0.2	7	6.8	3.9	2.8	D10.0200.02.11 NR	AFDHX800			
12	1.5	0.2	7	7.4	3.9	3.4	D11.0100.02 NR	AKQH800			
12	2	0.2	7	7.4	3.9	3.4	D11.0150.02 NR	AJCUX800			
11	1	0.2	8	6.7	4.2	2.3	D11.0200.02.11 NR	AN5NX800			D11
11	1.5	0.2	8	6.7	4.2	2.3	D10.0150.02.12 NR	AKG7X800			
11	2	0.2	8	6.7	4.2	2.3	D10.0200.02.12 NR	ANQ8X800			
14	1.5	0.2	9	9	5.3	4	D14.0150.02 NR	AAHDX800			D14
14	1.57	0.2	9	9	5.3	4	D14.0157.02 NR	AMQ3X800			
14	2	0.2	9	9	5.3	4	D14.0200.02 NR	AC2NX800			
14	3.18	0.2	9	9	5.3	4	D14.0318.02 NR	AKAHX800			
16	1.5	0.2	9	10.5	5.2	5.5	D14.0150.02.16 NR	AF0FX800			
16	2	0.2	9	10.5	5.2	5.5	D14.0200.02.16 NR	AMEQX800			
16	2.5	0.2	9	10.5	5.2	5.5	D14.0250.02.16 NR	APQFX800			
16	3	0.2	9	10.5	5.2	5.5	D14.0300.02.16 NR	AD8XX800			

**SIMTURN DX  
FULL RADIUS GROOVING & COPYING INSERTS**

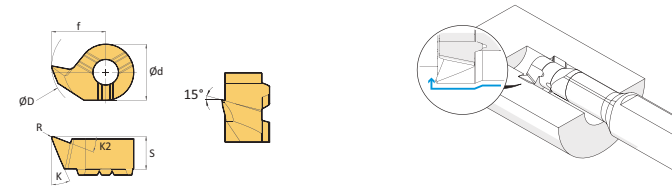
- ▶ For use in bores from 7.8mm diameter
- ▶ Full radius for copy turning



ØD	W +0.05	R	Ød	f	S	t max	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
8	0.8	0.4	6	3.3	4.8	1	D08.0004.08 VR	AAP2X800			D08
8	1.2	0.6	6	3.3	4.8	1	D08.0006.12 VR	AHUEX800			
8	1.8	0.9	6	3.3	4.8	1	D08.0009.18 VR	AMH0X800			
8	2	1	6	3.3	4.8	1	D08.0010.20 VR	ADYEX800			
9	0.8	0.4	6.2	3.5	5.5	1.6	D09.0004.08.09 VR	AWFFX800			D09
9	1.2	0.6	6.2	3.5	5.5	1.6	D09.0006.12.09 VR	AWFGX800			
9	1.8	0.9	6.2	3.5	5.5	1.6	D09.0009.18.09 VR	AWFHX800			
9	2	1	6.2	3.5	5.5	1.6	D09.0010.20.09 VR	AWFJX800			
10	0.8	0.4	7	3.9	5.8	1.8	D10.0004.08.10 VR	AD9GX800			D10
10	1.2	0.6	7	3.9	5.8	1.8	D10.0006.12.10 VR	ABMCX800			
10	1.8	0.9	7	3.9	5.8	1.8	D10.0009.18.10 VR	AC50X800			
10	2	1	7	3.9	5.8	1.8	D10.0010.20.10 VR	AAK8X800			
11	0.8	0.4	8	4.2	6.7	2.3	D11.0004.08 VR	AJS6X800			D11
11	1.2	0.6	8	4.2	6.7	2.3	D11.0006.12 VR	AH9BX800			
11	1.6	0.8	8	4.2	6.7	2.3	D11.0008.16 VR	AMJPX800			
11	2	1	8	4.2	6.7	2.3	D11.0010.20 VR	AC6NX800			
11	2.4	1.2	8	4.2	6.7	2.3	D11.0012.24 VR	AF3YX800			
11	3	1.5	8	4.2	6.7	2.3	D11.0015.30 VR	AFGUX800			
14	0.8	0.4	9	5.3	9	4	D14.0004.08 VR	AFZDX800			D14
14	1.2	0.6	9	5.3	9	4	D14.0006.12 VR	ADBNX800			
14	2	1	9	5.3	9	4	D14.0010.20 VR	AGHXX800			
14	2.2	1.1	9	5.3	9	4	D14.0011.22 VR	AKS8X800			
14	3	1.5	9	5.3	9	4	D14.0015.30 VR	AKKQX800			
16	1.6	0.8	11	5.4	10.2	4.3	D16.0008.16 VR	AFK1X800			D16
16	1.8	0.9	11	5.4	10.2	4.3	D16.0009.18 VR	AMCUX800			
16	2	1	11	5.4	10.2	4.3	D16.0010.20 VR	AKNUX800			
16	3	1.5	11	5.4	10.2	4.3	D16.0015.30 VR	AJA7X800			
16											

**SIMTURN DX  
BORING INSERTS**

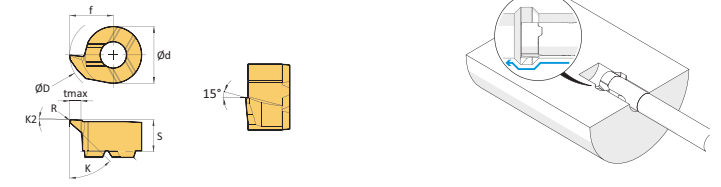
► For use in bores from 7mm diameter



ØD	K	K2	f	R	Ød	S	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
7	20°	3.7	4.15	0.1	4.8	3.7	D07.1841.01 YR	ANWEX800			D07
7	20°	3.7	4.15	0.2	4.8	3.7	D07.1841.02 YR	AJZ7X800			D07
7.8	18°	3.5	4.65	0.05	6	3.5	D08.1846.005 YR	AS56X800			D08
7.8	18°	3.5	4.65	0.2	6	3.5	D08.1846.02 YR	AMM3X800			D08
7.8	20°	3.5	4.65	0.2	6	3.5	D08.2046.02 YR	AG7VX800			D08
10	18°	3.9	5.6	0.2	7	3.9	D10.1856.02.10 YR	AN4SX800			D10
10	20°	3.9	5.6	0.2	7	3.9	D10.2056.02.10 YR	AD7EX800			D10
9.8	18°	4.2	5.5	0.2	8	4.2	D11.1855.02 YR	AC65X800			D11
11	18°	4.2	6.7	0.2	8	4.2	D11.1867.02 YR	ABXGX800			D11
11	20°	4.2	6.7	0.2	8	4.2	D11.2067.02 YR	APSFX800			D11
13.8	18°	5.3	8.7	0.2	9	5.3	D14.1887.02 YR	AN1MX800			D14
14	20°	5.3	8.7	0.2	9	5.3	D14.2087.02 YR	AG2UX800			D14
15.5	18°	5.4	9.7	0.2	11	5.4	D16.1897.02 YR	AHEAX800			D16

**SIMTURN DX  
COPYING & PROFILING INSERTS**

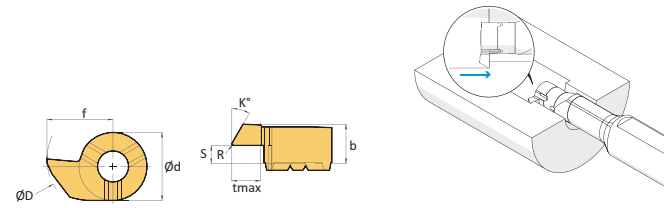
► For use in bores from 7mm diameter



ØD	K	K2	f	R	Ød	S	t <sub>max</sub>	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
7	47°	3°	4.15	0.2	4.8	3.7	1	D07.4746.02 YR	AVQUX800			D07
7.8	30°	5°	4.65	0.2	6	3.5	1	D08.2555.02 YR	ADG0X800			D08
7.8	47°	3°	4.65	0.2	6	3.5	1.2	D08.4746.02 YR	AKYFX800			D08
7.8	47°	3°	4.65	0.4	6	3.5	1.2	D08.4746.04 YR	AS6CX800			D08
10	47°	3°	5.8	0.2	7	3.9	1.8	D10.4758.02.10 YR	AD29X800			D10
11	30°	5°	6.7	0.2	8	4.2	2.3	D11.2755.02 YR	AJ32X800			D11
11	47°	3°	6.7	0.2	8	4.2	2.3	D11.4767.02 YR	AENCX800			D11
13.7	30°	5°	8.7	0.2	9	5.3	4	D14.3555.02 YR	ABCTX800			D14
13.7	47°	3°	8.7	0.2	9	5.3	4	D14.4787.02 YR	AB9MX800			D14
16	47°	3°	11	0.2	9	5.2	5	D14.4710.02 YR	ANK4X800			D14
15.8	30°	5°	10.2	0.2	11	5.4	4.3	D16.4055.02 YR	AJWMX800			D16
15.8	47°	3°	10.2	0.2	11	5.4	4.3	D16.4702.02 YR	AEPVX800			D16

**SIMTURN DX  
BACK BORING INSERTS**

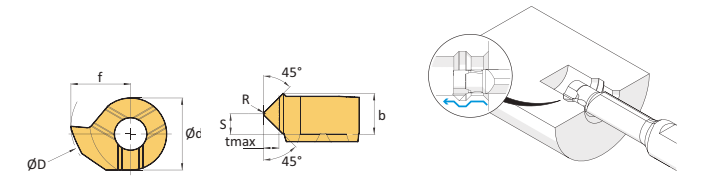
► For use in bores from 7.8mm diameter



ØD	K	f	R	ØD	K	t <sub>max</sub>	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
7.8	30°	4.65	0.2	6	1	1.3	D08.3046.02 YR	AB86X800			D08
10	30°	5.8	0.2	7	1.3	2	D10.3058.02.10 YR	ACSJX800			D10
11	30°	6.8	0.2	7	1.3	2.6	D10.3068.02.11 YR	AJPWX800			D10
11	30°	6.7	0.2	8	1.6	2.3	D11.3067.02 YR	AJ0SX800			D11
13.8	30°	8.7	0.2	9	2.4	3.5	D14.3087.02 YR	AGJNX800			D14

**SIMTURN DX  
BORING & CHAMFERING INSERTS**

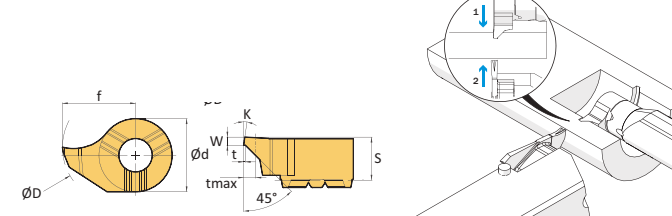
► For use in bores from 7mm diameter  
► 45° angle



ØD	R	b	Ød	f	s	t <sub>max</sub>	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
7	0.2	3.7	4.8	4.2	2.3	0.8	D07.4545.02.07 FR	AU56X800			D07
8	0.2	3.5	6	4.8	1.8	1.4	D08.4545.02 FR	APXWX800			D08
10	0.2	4	7	5.8	2	1.5	D10.4545.02.10 FR	ACF9X800			D10
11	0.2	4.3	8	6.7	2.2	1.5	D11.4545.02 FR	AM16X800			D11
14	0.2	5.4	9	9	2.8	1.5	D14.4545.02 FR	AKCKX800			D14

**SIMTURN DX  
PRE-PART OFF & CHAMFER**

► For use in bores from 8mm diameter



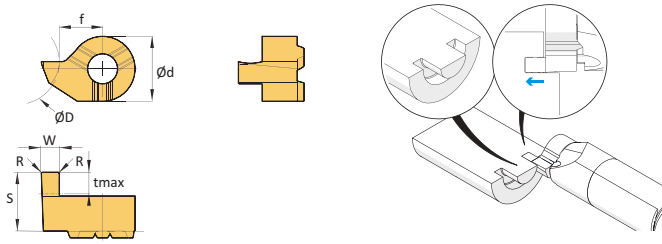
ØD	K	W	Ød	f	S	t <sub>max</sub>	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
8	8°	1	6	4.8	3.3	1	D08.0810.00 PR	AJ7ZX800			D08
10	8°	1	7	5.8	3.9	1.5	D10.0810.00.10 PR	AHZ3X800			D10
11	8°	1	8	6.7	4.2	1.5	D11.0810.00 PR	AFDKX800			D11
11	8°	1.5	8	6.7	4.2	1.5	D11.0815.00 PR	AK9ZX800			D11
14	8°	1	9	9	5.3	1.5	D14.0810.00 PR	AH2JX800			D14
14	8°	1.5	9	9	5.3	1.5	D14.0815.00 PR	AEQGX800			D14
16	8°	1	11	10.2	5.4	1.5	D16.0810.00 PR	AHPBX800			D16
16	8°	1.5	11	10.2	5.4	1.5	D16.0815.00 PR	AAHNX800			D16



**ONE TOOL - ENDLESS POSSIBILITIES**

**SIMTURN DX GROOVING INSERTS  
EXTERNAL FACE GROOVING**

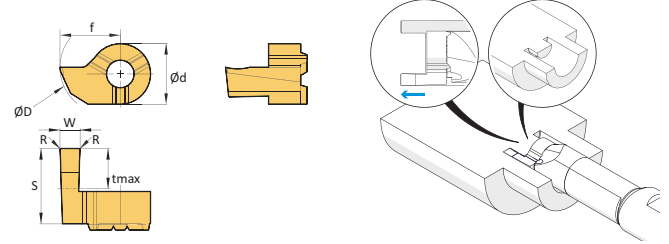
► Minimum diameter of groove 12mm



ØD	W +0.03	R	Ød	S	t <sub>max</sub>	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
12	1	-	9	8.3	1.5	D14.1210.00 AR	ABWSX800			D14
12	1.5	0.2	9	8.3	2.5	D14.1215.02 AR	APSEX800			
12	2	0.2	9	8.3	3	D14.1220.02 AR	AC8DX800			
12	2.5	0.2	9	8.3	3	D14.1225.02 AR	AGWWX800			
12	3	0.2	9	8.3	3	D14.1230.02 AR	AE7MX800			
12	2	0.2	9	10.3	5	D14.1220.52 AR	ADJNX800			
12	2.5	0.2	9	10.3	5	D14.1225.52 AR	AF2HX800			
12	3	0.2	9	10.3	5	D14.1230.52 AR	AKFFX800			
12	3	0.2	9	11.3	6	D14.1230.62 AR	AAKHX800			

**SIMTURN DX GROOVING INSERTS  
FACE GROOVING IN BORES**

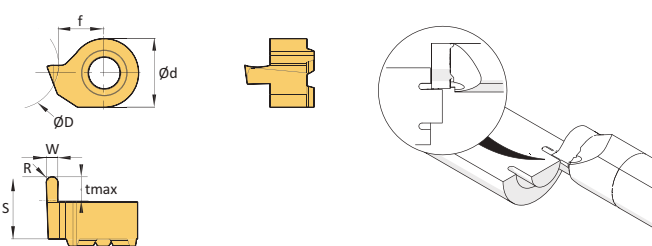
► For use in bores from 14mm diameter



ØD	W +0.03	R	Ød	S	t <sub>max</sub>	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
14	1	-	9	8.3	1.5	D14.1410.00 AR	AB03X800			D14
14	1.5	0.2	9	8.3	2.5	D14.1415.02 AR	AET8X800			
14	2	0.2	9	8.3	3	D14.1420.02 AR	AKZSX800			
14	2.5	0.2	9	8.3	3	D14.1425.02 AR	AMKFX800			
14	3	0.2	9	8.3	3	D14.1430.02 AR	ABPPX800			
14	2	0.2	9	10.3	5	D14.1420.52 AR	AGV5X800			
14	2.5	0.2	9	10.3	5	D14.1425.52 AR	ACQNX800			
14	3	0.2	9	10.3	5	D14.1430.52 AR	AKV7X800			

**SIMTURN DX GROOVING INSERTS (FULL RADIUS)  
EXTERNAL FACE GROOVING**

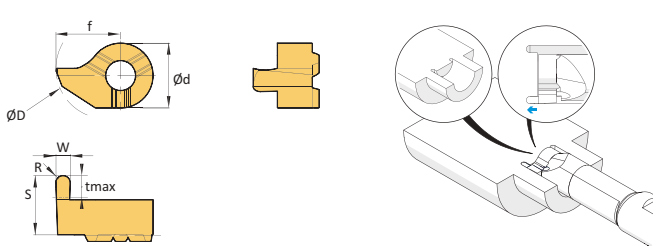
► Minimum diameter of groove 12mm



ØD	W +0.03	R	Ød	S	t <sub>max</sub>	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
12	1	0.5	9	8.3	1.5	D14.1210.05 AR	AU6CX800			D14
12	1.6	0.8	9	8.3	2.5	D14.1216.08 AR	AU6EX800			
12	2	1	9	8.3	3	D14.1220.10 AR	AU6GX800			
12	2.5	1.25	9	8.3	3	D14.1225.12 AR	AU6JX800			
12	3	1.5	9	8.3	3	D14.1230.15 AR	AU6MX800			

**SIMTURN DX GROOVING INSERTS (FULL RADIUS)  
FACE GROOVING IN BORES**

► For use in bores from 14mm diameter



ØD	W +0.03	R	Ød	S	t <sub>max</sub>	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
14	1	0.5	9	8.3	1.5	D14.1410.05 AR	AEG0X400			D14
14	1.5	0.75	9	8.3	2.5	D14.1415.07 AR	A1GHX400			
14	2	1	9	8.3	3	D14.1420.10 AR	APW0X400			
14	2.5	1.25	9	8.3	3	D14.1425.12 AR	ANJWX400			
14	3	1.5	9	8.3	3	D14.1430.15 AR	AP37X400			



**SIMTURN AX CUSTOM TOOLS**

Our team of experienced engineers work hand in hand with Simtek to provide custom solutions to suit your application. Special inserts can be provided for any Simtek turning system.

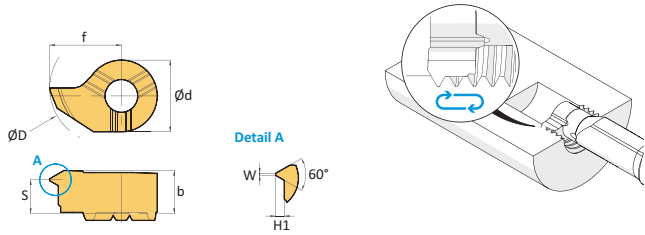
**CONTACT US TODAY FOR A QUOTE**

Email: [specials@cutwel.net](mailto:specials@cutwel.net)

Phone: 01924 869665

**SIMTURN DX THREADING INSERTS  
ISO METRIC FULL PROFILE**

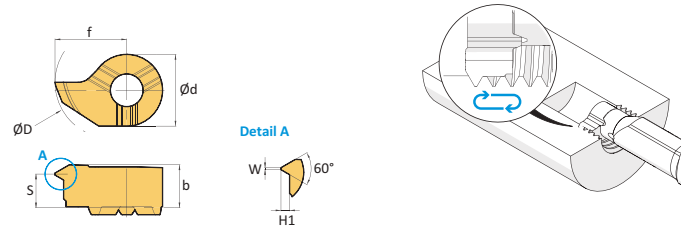
► For use in bores from 9mm diameter



Pitch	H1	b	Ød	ØD	S	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES	
0.5	0.27	3.65	6.2	9	3.25	D09.0205.02.09 MR	AWGTX800			D09	
1	0.54	3.65	6.2	9	3	D09.0510.02.09 MR	AWGSX800				
1.5	0.81	3.65	6.2	9	2.8	D09.0815.02.09 MR	AWGQX800				
1.75	0.95	3.6	6.2	9	2.7	D09.0917.02.09 MR	AWGPIX800				
2	1.08	3.6	6.2	9	2.6	D09.1020.02.09 MR	AWGNX800				
2.5	1.35	3.58	6.2	9	2.5	D09.1325.02.09 MR	AWGMX800				
3	1.62	3.56	6.2	9	2.2	D09.1630.02.09 MR	AWGKX800				
0.5	0.27	4	7	10	3.4	D10.0205.02.10 MR	ANVAX800				D10
1	0.54	4	7	10	3.2	D10.0510.02.10 MR	ANP1X800				
1.5	0.81	4	7	10	3	D10.0815.02.10 MR	AM2EX800				
1.75	0.95	4	7	10	2.9	D10.0917.02.10 MR	AD6ZX800				
2	1.08	4	7	10	2.75	D10.1020.02.10 MR	AADQX800				
2.5	1.35	4	7	10	2.55	D10.1325.02.10 MR	AAG5X800				
3	1.62	4	7	10	2.5	D10.1630.02.10 MR	AJDX800				
1	0.54	4.3	8	11	3.6	D11.0510.02 MR	AJ3BX800			D11	
1.5	0.81	4.3	8	11	3.3	D11.0815.02 MR	AESUX800				
2	1.8	4.3	8	11	2.9	D11.1020.02 MR	AF4GX800				
2.5	1.35	4.3	8	11	2.95	D11.1325.02 MR	AN9MX800				
3	1.62	4.3	8	11	2.9	D11.1630.02 MR	AKVCX800				
0.5	0.27	5.4	9	14	4.8	D14.0205.02 MR	AG11X800			D14	
1	0.54	5.4	9	14	4.7	D14.0510.02 MR	AGVAX800				
1.5	0.81	5.4	9	14	4.3	D14.0815.02 MR	AAPDX800				
2	1.08	5.4	9	14	4.2	D14.1020.02 MR	ABSDX800				
2.5	1.35	5.4	9	14	3.65	D14.1325.02 MR	AFMOX800				
1	0.54	5.5	11	16	4.8	D16.0510.02 MR	AC07X800			D16	
1.5	0.81	5.5	11	16	4.3	D16.0815.02 MR	ADSQX800				
2	1.08	5.5	11	16	4.5	D16.1020.02 MR	AHC8X800				
2.5	1.35	5.5	11	16	4.2	D16.1325.02 MR	AMW1X800				
3	1.62	5.5	11	16	4	D16.1630.02 MR	AKHYX800				
3.5	1.89	5.5	11	16	3.9	D16.1835.02 MR	AANWX800				
4	2.16	5.5	11	16	3.6	D16.2140.02 MR	AD32X800				

**SIMTURN DX THREADING INSERTS  
UN FULL PROFILE**

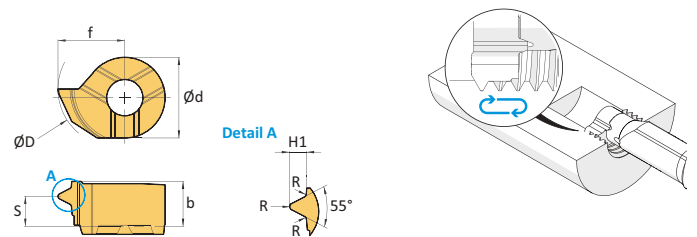
► For use in bores from 10mm diameter



TPI	ØD	b	Ød	f	S	W	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
8	10	3.9	7	5.8	2.5	0.39	D10.UN08.02.10 MR	A2H3X800			D10
10	10	3.9	7	5.8	2.7	0.31	D10.UN10.02.10 MR	A2H5X800			
14	10	3.9	7	5.8	3.2	0.22	D10.UN14.02.10 MR	AMKNX800			
16	10	3.9	7	5.8	3.1	0.19	D10.UN16.02.10 MR	ADTYX800			
18	10	3.9	7	5.8	3.2	0.17	D10.UN18.02.10 MR	AC8WX800			
20	10	3.9	7	5.8	3.2	0.15	D10.UN20.02.10 MR	AJ7TX800			
24	10	3.9	7	5.8	3.3	0.13	D10.UN24.02.10 MR	AAB4X800			
28	10	3.9	7	5.8	3.4	0.11	D10.UN28.02.10 MR	AF3VX800			
32	10	3.9	7	5.8	3.4	0.1	D10.UN32.02.10 MR	ABOQX800			

**SIMTURN DX THREADING INSERTS  
WHITWORTH FULL PROFILE**

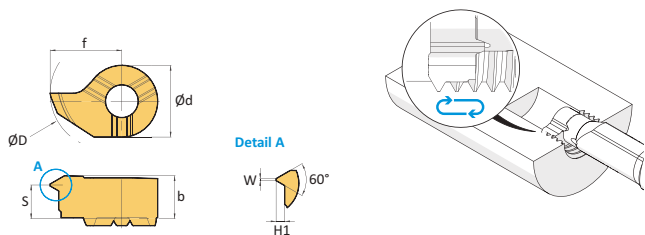
► For use in bores from 10mm diameter



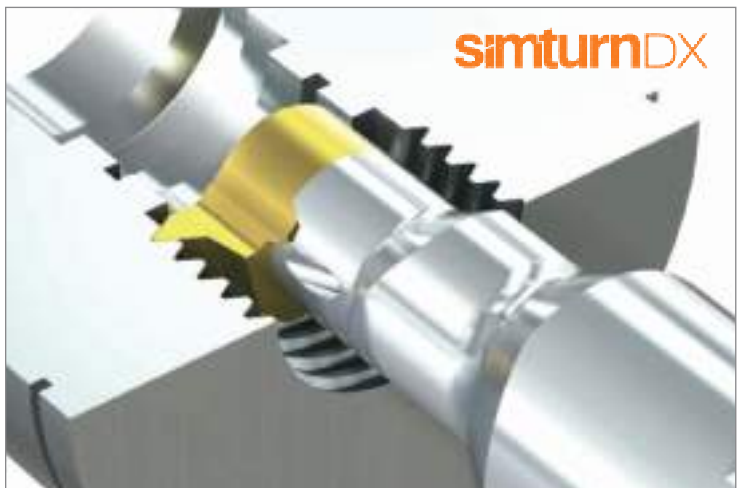
TPI	ØD	b	Ød	f	S	W	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
19	10	3.8	7	5.8	2.8	0.18	D10.0813.19.10 MR/L	AF1VX800			D10
14	10	3.8	7	5.8	2.6	0.24	D10.1118.14.10 MR/L	APMJX800			
11	10	3.8	7	5.8	2.3	0.31	D10.1423.11.10 MR/L	AFYXX800			
19	11	4.3	8	6.7	2.7	0.18	D11.0813.19 MR/L	AMMNX800			D11
14	11	4.3	8	6.7	3	0.24	D11.1118.14 MR/L	AGJSX800			
19	14	5.35	9	9	3.8	0.18	D14.0813.19 MR/L	ANYFX800			D14
14	14	5.35	9	9	3.6	0.24	D14.1118.14 MR/L	AGGUX800			
14	16	5.5	11	10.2	3.9	0.24	D16.1118.14 MR/L	AGFFX800			D16
11	16	5.5	11	10.2	3.5	0.31	D16.1423.11 MR/L	AMQCX800			

**SIMTURN DX THREADING INSERTS  
NPT FULL PROFILE**

► For use in bores from 10mm diameter



TPI	ØD	b	Ød	f	S	GEOMETRY	ORDER CODE	1-4 PRICE EACH	5+ PRICE EACH	SERIES
14	10	3.9	7	5.8	2.7	D10.NP14.02.10 MR	AHTHX800			D10
18	10	3.9	7	5.8	2.9	D10.NP18.02.10 MR	AMWTX800			
27	10	3.8	7	5.8	3.2	D10.NP27.02.10 MR	ABKWX800			



**INTERNAL THREADING FROM ØD 9mm**