



### TURNING

#### Lengths

7xD  
10xD  
12xD (carbide)  
14xD (carbide)

#### Shank Diameter

80 mm

#### Cartridges/ Insert Styles

Positive:

SDUCR/L (DC\_T32.5\_)  
VLCR/L (VC\_T33\_)

Negative:

TDUNR/L (DNMG 43\_)

#### Adapters for External Holders

.750" Square Shank  
20 mm Square Shank

## TABSORBER™

### 80 mm Anti-Vibration Boring Bars with Exchangeable Heads

- » Unique damping mechanism located inside the stainless steel body.
- » 80 mm coolant-thru shank; internal boring with L/D ratios of 7xD, 10xD, 12xD, and 14xD.
- » Various heads, plus adapters for use with .750" and 20 mm square shank tools.



See it in  
action! »



**WINSPEED™**  
ADVANCED MACHINING

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# Introducing Ø80 mm T-Absorber anti-vibration boring bars with exchangeable heads

With a new 80 mm shank and a dedicated head introduced to the anti-vibration T-Absorber boring bar line specialized in deep internal machining, Ingersoll has expanded its reach in the deep internal machining market.

Available in two types: a modular head with standard inserts for machining various materials, and an adapter that can machine while fastened to a standard square holder, allowing for relatively large diameter internal machining.

## Features & Benefits

- Shanks include built-in vibration damping technology
  - Good surface roughness and improved tool life
- Stainless steel shank prevents corrosion
- Shank diameter: 80 mm
- Shank length:
  - Steel: 7xD, 10xD
  - Carbide: 12xD, 14xD
- Available heads for DC\_T, VC\_T, and DN\_G inserts
- Dedicated adapters use a 20x20 mm or .75"x.75" standard square holder
- Internal coolant type



<p><b>NEW</b></p> <p><b>80 mm</b></p>	<p>Max. 14xD</p>
<p>25-60 mm 1.00-2.50" Coming Q2-2024</p>	<p>Max. 14xD</p>
<p>16-60 mm .625-2.50"</p>	<p>Max. 10xD</p>

## Head Assembly Instructions



1. Loosen the screw.



2. Slide the head into the slot.



3. Tighten the screw.

## Square Holder Assembly Instructions



1. Remove the lower clamp.



2. After sliding the adapter into the boring bar, tighten the clamp screw.



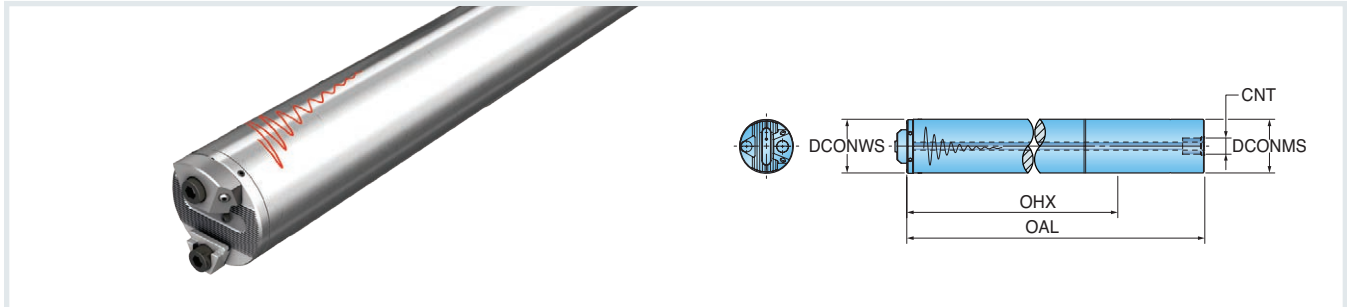
3. Slide the square holder into the adapter and tighten the adapter screw.

Coolant



## Series DTA-D80

### ANTI-VIBRATION SHANKS FOR BORING

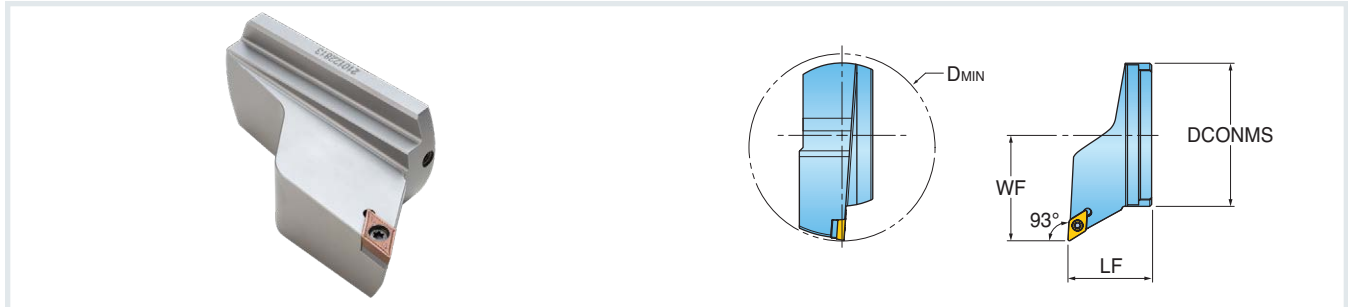


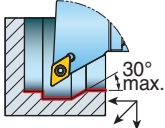
Part Number	DCONMS Connection Dia. Machine Side	DCONWS Connection Dia. Workpiece Side	OAL Overall Length	OHX Maximum Overhang	CNT Coolant Entry Thread Size	BMC* Body Material Code
<b>INCH</b>						
DTA-D80-7D-C	3.15 (80 mm)	3.15 (80 mm)	34.65	20.28	G 3/4"	S
DTA-D80-10D-C	3.15 (80 mm)	3.15 (80 mm)	47.24	29.72	G 3/4"	S
DTA-D80-12D-E	3.15 (80 mm)	3.15 (80 mm)	48.81	36.06	G 3/4"	H
DTA-D80-14D-E	3.15 (80 mm)	3.15 (80 mm)	55.12	42.36	G 3/4"	H

\* S = steel body; H = carbide








## Series DTC-SDUCR/L

### SCREW TYPE BORING HEADS (POSITIVE DC\_T INSERTS)



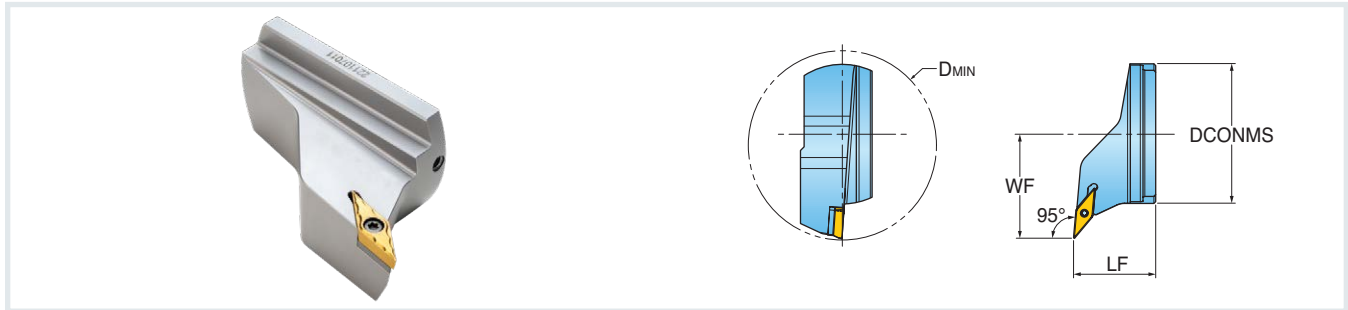
Approach Angle: 93°	Part Number	DCONMS Connection Dia. Machine Side	LF Functional Length	WF Functional Width	DMIN Minimum Bore Diameter	Insert
<b>INCH</b>						
	DTC-D80-SDUCR/L-11	3.03 (77 mm)	1.771	2.244	3.937	DC_T 32.5_ (11T3...)

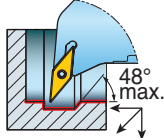
## Hardware

Part Number							
	Screw	Shim	Shim Screw	Stopper Screw	Torx Driver	Hex Driver	Hex Driver
SDUCR/L	SR 16-236 P	TDC 3-1P	SR TC-3P	SH M3x0.5x6	DS-T15F	L-W 4	L-W 2.5








## Series DTC-SVLCR/L

### SCREW TYPE BORING HEADS (POSITIVE VC\_T INSERTS)



Approach Angle: 95°	Part Number	DCONMS Connection Dia. Machine Side	LF Functional Length	WF Functional Width	DMIN Minimum Bore Diameter	Insert
<b>INCH</b>						
	DTC-D80-SVLCR/L-16	3.03 (77 mm)	1.771	2.244	3.937	VC_T33_(1604...)

### Hardware

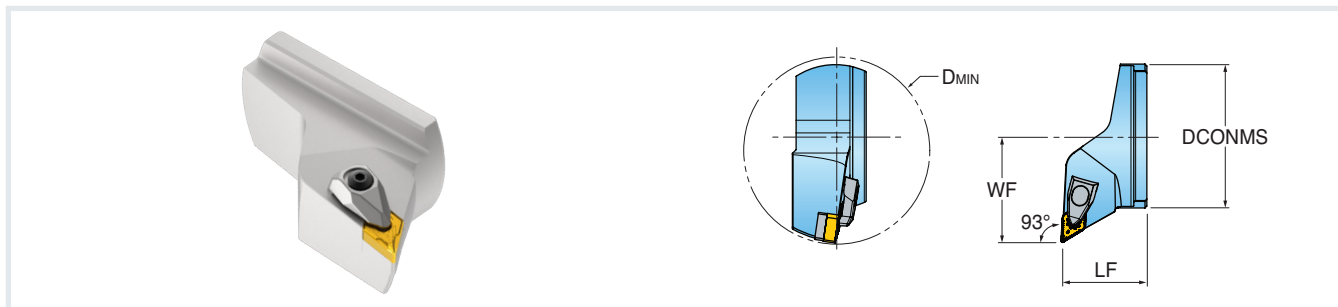
Part Number							
	Screw	Shim	Shim Screw	Stopper Screw	Torx Driver	Hex Driver	Hex Driver
SVLCR/L	SR 16-236 P	TVC 3-1P	SR TC-3P	SH M3x0.5x6	DS-T15F	L-W 4	L-W 2.5

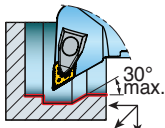
Coolant










## Series DTC-TDUNR/L

### T- TYPE CLAMPING BORING HEADS (NEGATIVE DN\_G INSERTS)



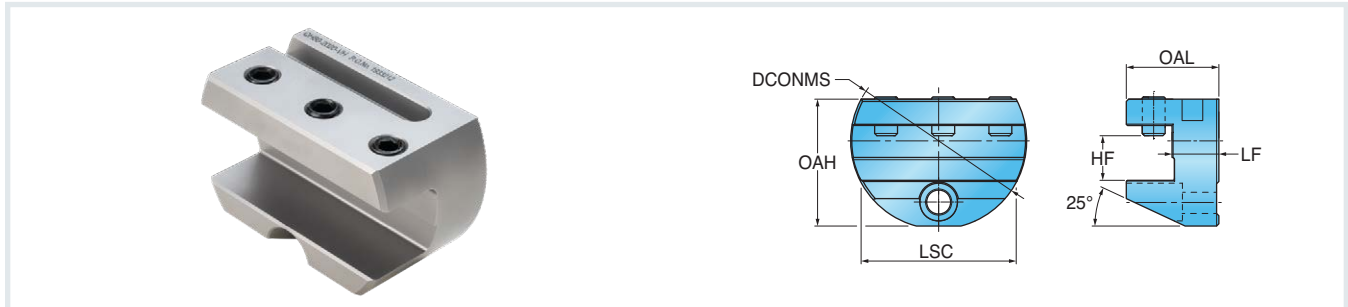
Approach Angle: 93°	Part Number	DCONMS Connection Dia. Machine Side	LF Functional Length	WF Functional Width	DMIN Minimum Bore Diameter	Insert
<b>INCH</b>						
	DTC-D80-TDUNR/L-1504	3.03 (77 mm)	1.811	2.244	3.937	DN_G43_(1504...)

## Hardware

Part Number							
	Shim	Clamp	Clamp Screw	Shim Screw	Clamp Spring	Hex Driver	Shim/Seat Screwdriver
TDUNR/L	RDT 443	DLM4	DLS4	CSTB4S	DSP4	L-W 3	DS-T15S

## Series DTC-D80

### PERPENDICULAR ADAPTER FOR EXTERNAL SQUARE-SHANK TOOLS



Part Number	DCONMS Connection Dia. Machine Side	LF Functional Length	HF Functional Height	OAL Overall Length	OAH Overall Height	LSC Clamping Length
<b>INCH</b>						
DTC-D80-12	3.03 (77 mm)	.821	.75	1.608	2.185	1.488
<b>METRIC</b>						
DTC-D80-2020	77 mm	20.5 mm	20.0 mm	40.5 mm	55.5 mm	67.8 mm

- For use with external 20 mm and .750" square shank holders.
- Since there is a deviation in the DMIN value for each holder, it is recommended to use the boring head after checking for interference with the workpiece.

## Hardware

Part Number	 Screw	 Hex Driver
DTA-D80	SR M10x16 DIN913	L-W 5