



**ALLIED MACHINE
& ENGINEERING**
Holmaking Solutions for Today's Manufacturing

WOHLHAUPTER®

DO YOU BORE **DIFFERENT HOLE SIZES** DAILY?

WE HAVE **KITS** FOR THAT

Kits aren't for everyone, but if you work on different projects from day to day, you need to ***be prepared for the work tomorrow will bring.***



Kit # 104081
pictured

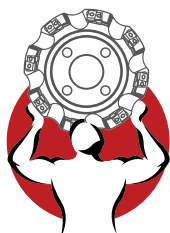
WHY?

BROAD SELECTION OF **DIAMETER RANGES**

EASY **CONVENIENT STORAGE** AND ORGANIZATION

COST SAVINGS OVER BUYING INDIVIDUAL COMPONENTS

VERSATILE SETUPS AND **IMPROVED READINESS**

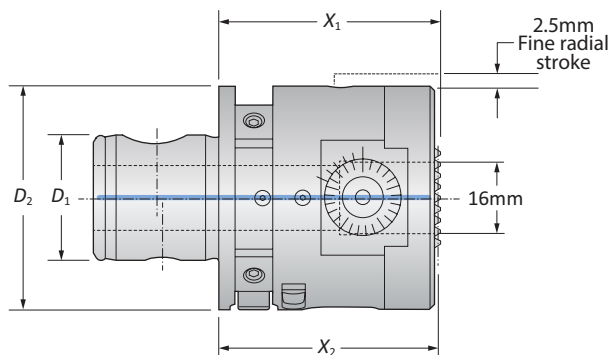


S&D
INDUSTRIAL TOOL SUPPLY
service & dependability is our specialty

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Anaheim, CA 92802
United States
www.sdtool.com



VARIO BORE with 3ETECH Universal Digital Readout Module

MVS Connection	Boring Range					
D_2 & D_1	A	X_1	X_2	Weight	Part No.	Price
50 - 28	0.016 - 5.984	1.968	1.948	1.543 lbs	536002	\$1,929.10

3ETECH Digital Readout Module

Part No.	Price
563010	\$474.15



The 3ETECH docking port on the VarioBore head provides convenient and simple diameter adjustments. Turn your vernier VarioBore tools into easy-to-read digital boring tools with the 3ETECH external digital module.



KITS - FORM 101 STYLE

Part No.	Price
104046	\$2,142.95
Description	Part No.
(1) VarioBore Precision Boring Head	563002
(4) Tool Holders	218048
	081041
	081042
	018043
(3) Service Keys	(s2.5) 115575
	(s4.0) 215403
	(Tx-8) 115590

Part No.	Price
104048	\$3,486.55
Description	Part No.
(1) VarioBore Precision Boring Head	563002
(4) Tool Holders	218048
	081041
	081042
	018043
(1) Serrated Tool Body	236021
(4) Insert Holders	236023
	236025
	236027
	236029
(1) Clamping Pieces	236020
(4) Service Keys	(s2.5) 115575
	(s4.0) 215403
	(s5.0) 215521
	(Tx-8) 115590

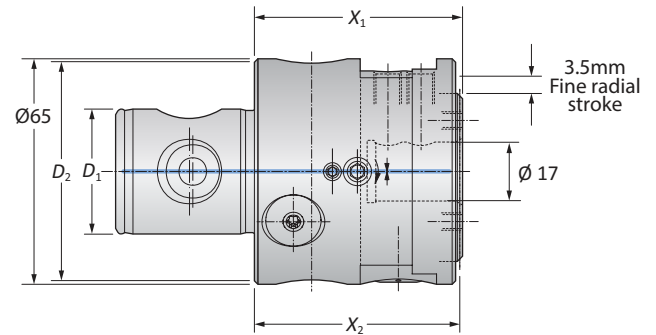


104046
Ø 0.394" - 1.181"



104048
Ø 0.394" - 4.016"

NOTE: 3ETECH digital readout module and inserts sold separately.



DIGIBORE

MVS Connection	Boring Range					
D_2 & D_1	A	X_1	X_2	Weight	Part No.	Price
63 - 36	0.118 - 8.189	2.362	2.342	3.307 lbs	504001	\$2,871.20

KITS - FORM 101 STYLE



104061
Ø 0.394" - 1.260"



104064
Ø 1.260" - 2.677"



104066
Ø 2.677" - 5.984"



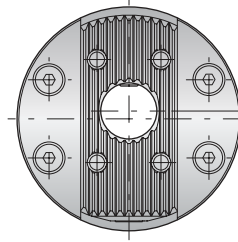
104080
Ø 3.780" - 8.189"

Part No.	Price
104061	\$3,653.45
Description	Part No.
(1) DigiBore Precision Boring Head	504001
(3) Tool Holders	502012 502014 502016
(1) Serrated Tool Body	502045
(3) Insert Holders	502052 502054 502056
(3) Service Keys	(s4.0) 115576 (Tx-25) 415121 (Tx-8) 115590
(4) Inserts Form 101	297531WHC19

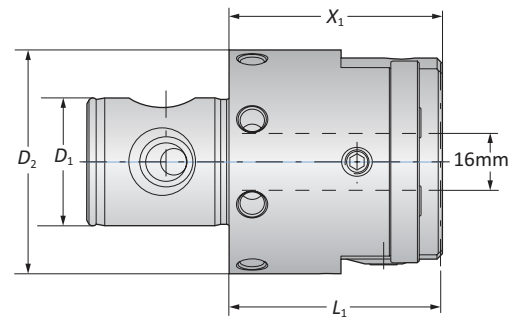
Part No.	Price
104064	\$3,598.15
Description	Part No.
(1) DigiBore Precision Boring Head	504001
(2) Serrated Tool Bodies	501052 501053
(2) Insert Holders	502058 502059
(2) Service Keys	(s4.0) 115576 (Tx-8) 115590
(4) Inserts Form 101	297531WHC19

Part No.	Price
104066	\$3,679.20
Description	Part No.
(1) DigiBore Precision Boring Head	504001
(3) Serrated Slides	501054 501055 501056
(1) Insert Holder	502064
(1) Counter Weight	502165
(1) Coolant Delivery Section	501157
(2) Service Keys	(s4.0) 115576 (Tx-8) 115590
(4) Inserts Form 101	297531WHC19

Part No.	Price
104080	\$4,081.80
Description	Part No.
(1) DigiBore Precision Boring Head	504001
(4) Serrated Slides	501055 501056 501058 501059
(1) Insert Holder	502064
(1) Counter Weight	502165
(1) Coolant Delivery Section	501157
(2) Service Keys	(s4.0) 115576 (Tx-8) 115590
(4) Inserts Form 101	297531WHC19



+ 4.5
- 0.1
Fine Radial
Stroke



PRIMEBORE

MVS Connection	Boring Range					
D_2 & D_1	A	X_1	L_1	Weight	Part No.	Price
63 - 36	0.118 - 8.189	2.362	2.343	2.866 lbs	451001	\$1,526.95

FORM 101 STYLE

Part No.	Price
104088	\$2,294.95
Description	Part No.
(1) PrimeBore Precision Boring Head	451001
(3) Boring Bars	
Form 211	450026
Form 101	450027
Form 101	450028
(3) Insert Holders	450022
	450023
(1) Serrated Tool Body	450021
(1) Serrated Slide	450024
(1) Coolant Delivery Section	450125
(4) Service Keys	(s4.0) 003195
	(T6) 515451
	(T8) 515452
Inserts	
(2) Form 211	397676WHC19
(3) Form 101	297531WHC19

FORM 20 STYLE

Part No.	Price
104089	\$2,294.95
Description	Part No.
(1) PrimeBore Precision Boring Head	451001
(3) Boring Bars	
Form 211	450026
Form 20	450038
Form 20	450039
(3) Insert Holders	450040
	450041
(1) Serrated Tool Body	450021
(1) Serrated Slide	450024
(1) Coolant Delivery Section	450125
(4) Service Keys	(s4.0) 003195
	(T6) 515451
	(T8) 515452
Inserts	
(2) Form 211	397676WHC19
(3) Form 20	397673WHC19

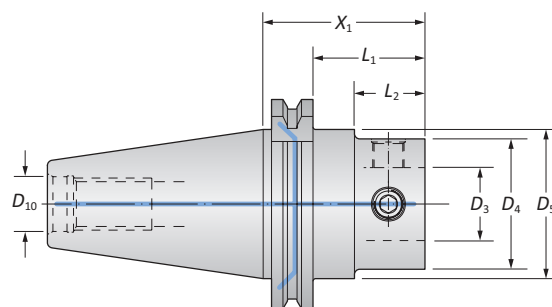


104088 / 104089
Ø 0.236" - 5.039"

Inserts

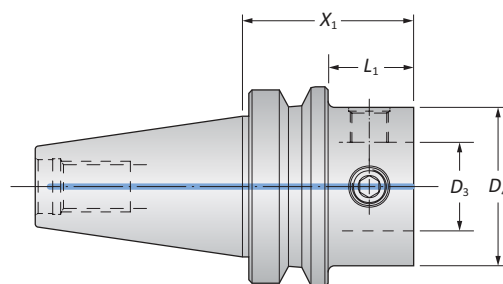
Insert Form	Nose Radius	Description	ISO Designation	ANSI Designation	Part No.	List Price*
101	.008" (0.2mm)	F101 02MN192 WHC19	CCMT060202	CCMT21505	297531WHC19	\$9.45
211	.008" (0.2mm)	F211 02GN121 WHC19	WBGX030102	-	397676WHC19	\$16.15
20	.008" (0.2mm)	F020 02GN121 WHC19	TOGX080202	-	397673WHC19	\$14.25

*Price per insert. Inserts are sold in 10-piece quantities.



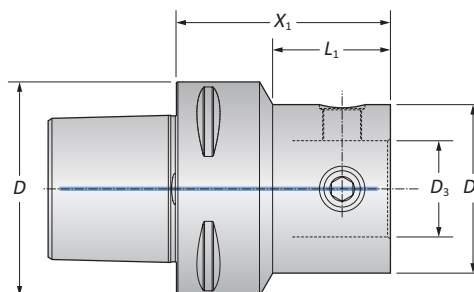
CAT Shanks

Boring Head	Taper Size	MVS Connection D_4 & D_3	X_1	L_1	L_2	D_5	Weight	Part No.	Price
VARIO BORE	40	50 - 28	2.441	1.690	—	1.750	2.90 lbs	353004	\$268.75
	50	50 - 28	2.441	1.690	—	2.750	7.30 lbs	353007	\$348.70
DIGI BORE PRIME BORE	40	63 - 36	3.228	2.480	—	1.750	4.00 lbs	353005	\$268.75
	50	63 - 36	2.835	2.080	—	2.750	7.90 lbs	353008	\$348.70



BT Shanks

Boring Head	Taper Size	MVS Connection D_4 & D_3	X_1	L_1	Weight	Part No.	Price
VARIO BORE	40	50 - 28	2.126	1.060	3.10 lbs	327019	\$187.20
	50	50 - 28	2.559	1.060	8.60 lbs	327021	\$249.10
DIGI BORE PRIME BORE	40	63 - 36	2.520	—	3.50 lbs	327020	\$187.20
	50	63 - 36	2.953	1.450	9.30 lbs	327022	\$249.10

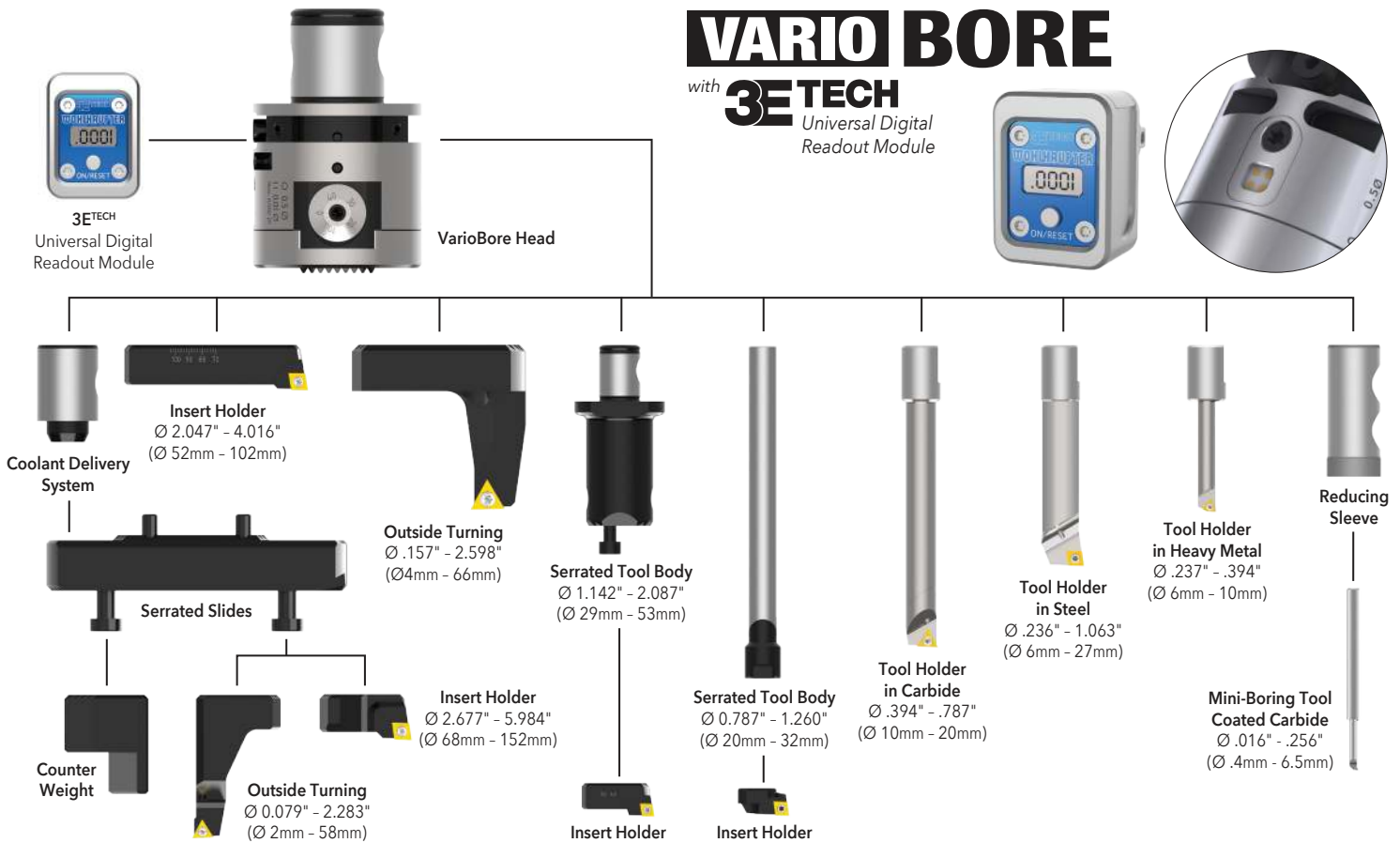


HSK Shanks

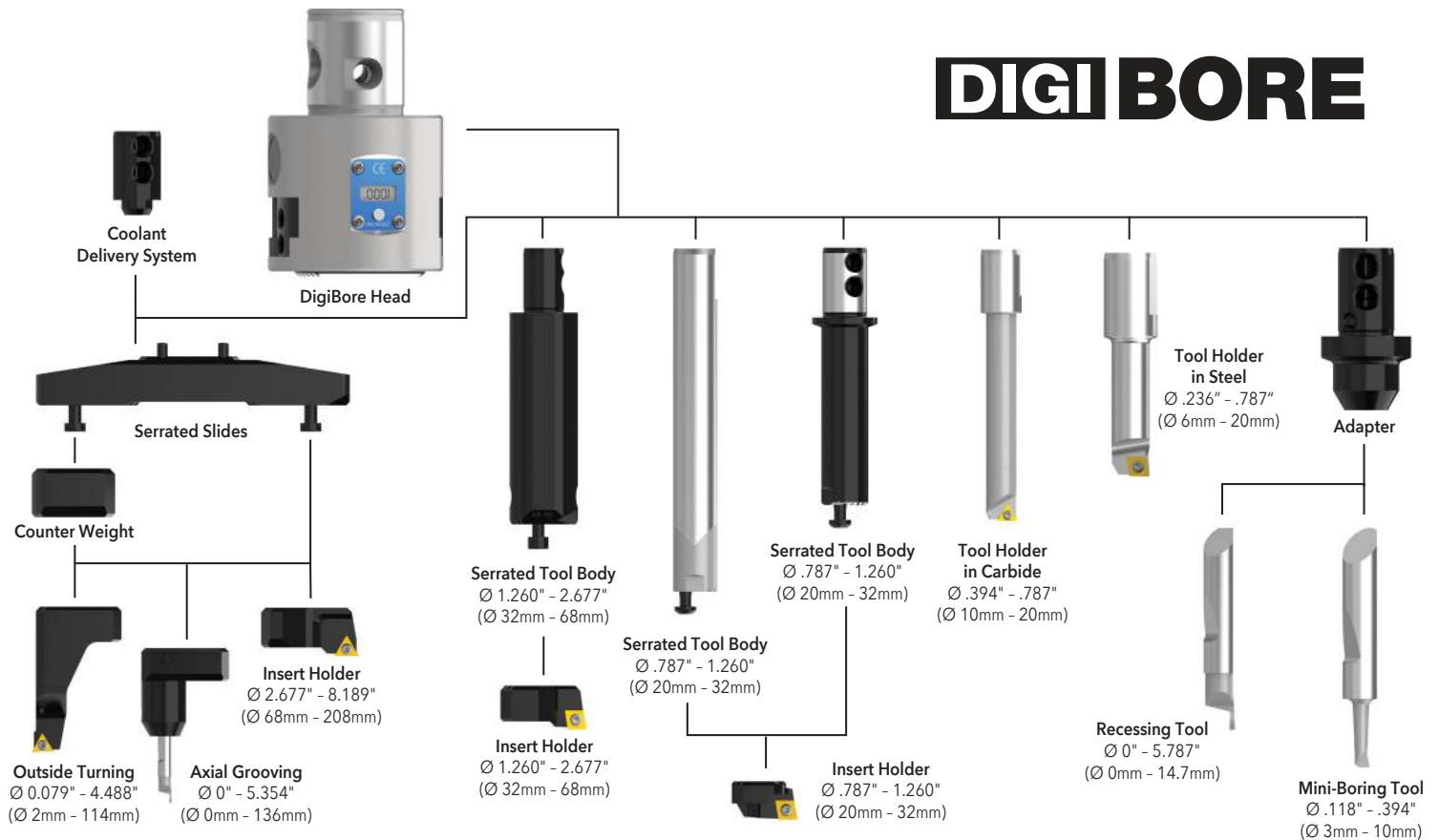
Boring Head	Taper Size	MVS Connection D_4 & D_3	X_1	L_1	Weight	Part No.	Price
VARIO BORE	50	50 - 28	2.559	1.772	2.205 lbs	227001	\$546.50
	63	50 - 28	2.559	1.555	2.866 lbs	227003	\$546.50
	80	50 - 28	2.559	1.047	5.071 lbs	227011	\$608.40
DIGI BORE PRIME BORE	50	63 - 36	3.150	2.323	3.527 lbs	227002	\$546.50
	63	63 - 36	3.150	2.219	4.189 lbs	227004	\$546.50
	80	63 - 36	3.150	1.783	5.952 lbs	227006	\$608.40

VARIO BORE

with **3ETECH**
Universal Digital
Readout Module



DIGI BORE



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