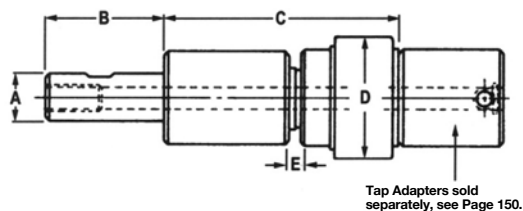
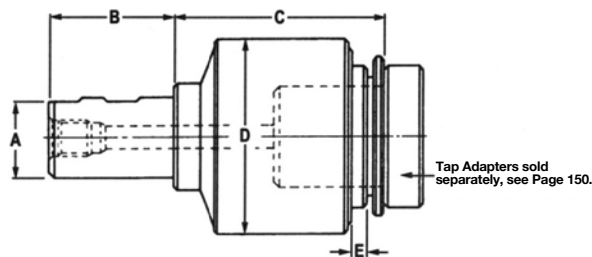




STRAIGHT SHANK • QUICK CHANGE TENSION AND COMPRESSION TAP HOLDERS • COOLANT-THRU-THE-SPINDLE TYPE



Standard Capacity #10 thru 1-3/4



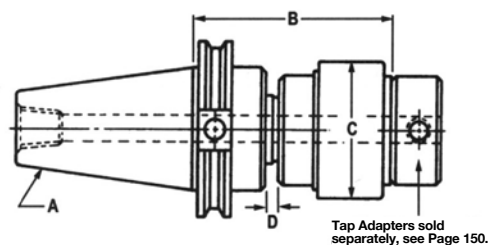
Large Capacity 3/4 thru 2-1/2

PART NUMBER	A SHANK	TAP CAPACITY	B	C PROJ.	D BODY O.D.	E TEN./COMP.	TAP ADAPTER STYLE
* 886-001N	1.25	#10 thru 1-3/4	2.50	5.00	2.450	0.560/0.120	#1 & #1A
* 886-002	2.00	3/4 thru 2-1/2	2.25	4.75	4.125	0.750/0.250	#4

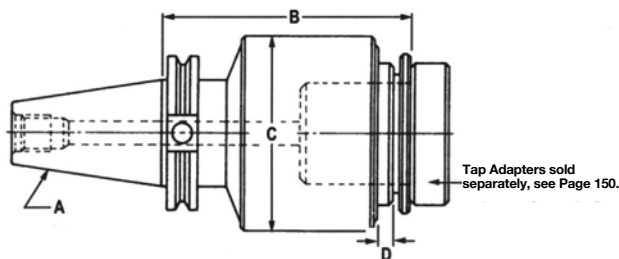
*** Outgoing Items**

• These Tap Holders can normally handle up to 600 P.S.I. of actual coolant pressure without effecting tension control. Should your application exceed this limit, please consult The George Whalley Company before use.

V-FLANGE AND BT SHANK • QUICK CHANGE TENSION & COMPRESSION TAP HOLDERS • COOLANT-THRU-THE-SPINDLE TYPE



Standard Capacity #10 thru 1-3/4



Large Capacity 3/4 thru 2-1/2

PART NUMBER	A SHANK	TAP CAPACITY	B PROJ.	C BODY O.D.	D TEN./COMP.	TAP ADAPTER STYLE
* 886-003N	40VF	#10-1-3/4	4.65	2.450	0.56/0.120	#1 & 1A
* BT886-003N	40BT	#10-1-3/4	4.77	2.450	0.56/0.120	#1 & 1A
* 886-006N	45VF	#10-1-3/4	3.84	2.450	0.56/0.120	#1 & 1A
* BT886-006N	45BT	#10-1-3/4	4.70	2.450	0.56/0.120	#1 & 1A
* 886-007N	50VF	#10-1-3/4	3.84	2.450	0.56/0.120	#1 & 1A
* BT886-007N	50BT	#10-1-3/4	3.90	2.450	0.56/0.120	#1 & 1A
* 886-004	45VF	3/4-2-1/2	5.25	4.125	0.75/0.250	#4
* 886-005	50VF	3/4-2-1/2	5.25	4.125	0.75/0.250	#4
* 886-008**	45VF	#10-1-3/8	5.75	2.310	0.56/0.120	#2 & 3

*** Outgoing Items**

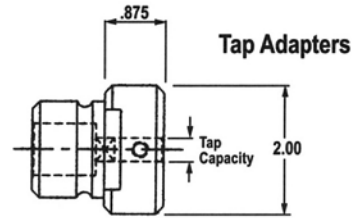
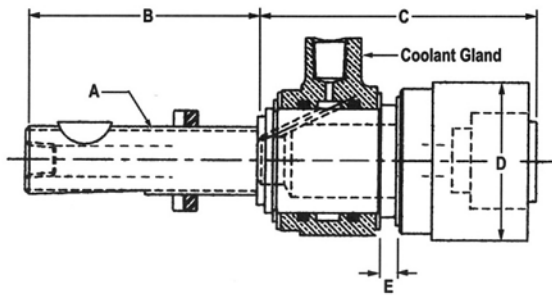
** Holder has axial float on all tap sizes and torque control thru 3/4" tap size.



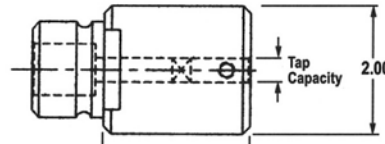
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AUTOMOTIVE ADJUSTABLE SHANK • QUICK CHANGE TENSION AND COMPRESSION TAP HOLDERS WITH HIGH RPM COOLANT GLAND



Style #1
Tap Adapters shown
on Page 150



Style #1A
Tap Adapters shown
on Page 150

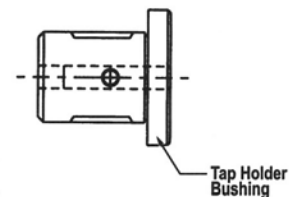
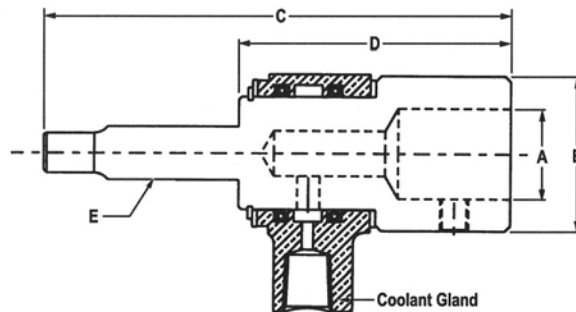
PART NUMBER	A SHANK	TAP CAPACITY	B	C PROJ.	D BODY DIA.	E TEN./COMP.	COOLANT GLAND
* 886-305	1-1/16-12 Acme	#10-1-3/4	3.625	6.5	2.45	0.56/0.120	CGH-2250
* 886-307	1-3/8-12 Acme	#10-1-3/4	4.750	7.0	2.45	0.56/0.120	CGH-2250

* Outgoing Items

- Dual entry design of this Tap Driver allows for use without coolant gland for coolant-thru-the-spindle operations.
- Tap Adapters sold separately, see page 150.

ROTARY INDUCER TYPE TAP HOLDERS

To retrofit non coolant-thru-the-spindle equipment for use with coolant fed taps.



Tap Holder
Bushing

PART NUMBER	A BUSHING	TAP RANGE	B	C	D	E TAP SIZE	SHANK DIA.	COOLANT GLAND
* 873-001	5/8	#10 thru 1/8 pipe	1-1/4	4-1/2	2-1/2	5/8	0.480	CGS-0937
* 873-002	1	#10 thru 1/2 pipe	1-3/4	5.00	3.00	3/4	0.590	CGS-1250
* 873-003	1-1/4	3/8 thru 3/4 pipe	2.00	5-9/16	3.00	1-1/4	0.800	CGS-1250
* 873-004	1-1/2	1/2 thru 1" pipe	2-7/16	6-7/8	3-5/8	1-1/2	1.233	CGS-1625

* Outgoing Items

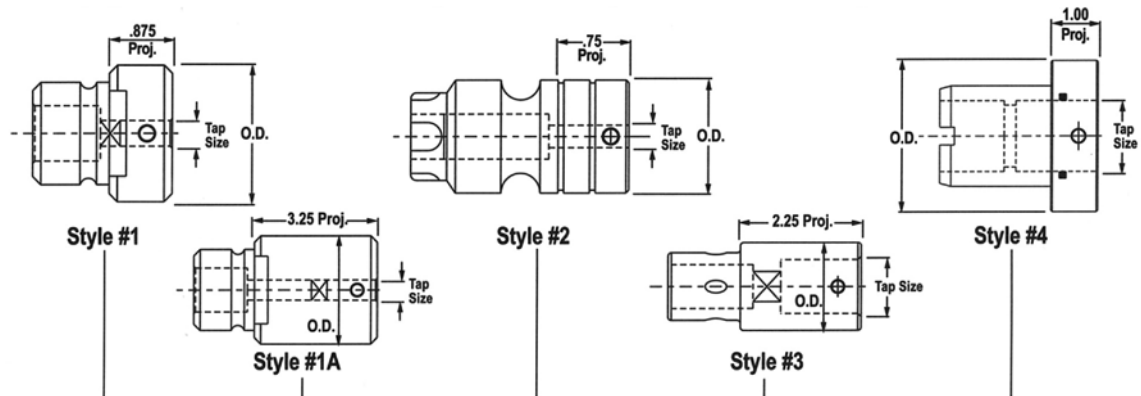
- Tap Holders are furnished with coolant glands
- Tap Holders bushings are optional, see page 151 for more information



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QUICK CHANGE TAP ADAPTERS



TAP SIZE	STYLE #1		STYLE #1 A		STYLE #2			STYLE #3		STYLE #4		
	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	PROJ.	PART NO.	O.D.	PART NO.	O.D.	PROJ.
* #10	886-010	2.00	-	-	886-500	1.250	0.75	-	-	-	-	-
* 1/4	886-025	2.00	-	-	886-502	1.250	0.75	-	-	-	-	-
* 5/16	886-031	2.00	-	-	886-504	1.250	0.75	-	-	-	-	-
* 3/8	886-037	2.00	-	-	886-506	1.250	0.75	-	-	-	-	-
* 7/16	886-043	2.00	-	-	886-508	1.250	0.75	-	-	-	-	-
* 1/2	886-050	2.00	-	-	886-510	1.250	0.75	-	-	-	-	-
* 5/8	886-062	2.00	-	-	886-512	1.250	0.75	-	-	-	-	-
* 3/4	886-075	2.00	-	-	886-514	1.250	0.75	-	-	886-175	3.20	1.00
* 7/8	886-087	2.00	-	-	886-516	1.250	0.75	-	-	886-187	3.20	1.00
* 15/16	-	-	-	-	-	-	-	-	-	886-194	3.20	1.00
* 1	886-099	2.00	-	-	886-518	1.250	0.75	-	-	886-200	3.20	1.00
* 1-1/16-1-1/8	-	-	886-125	2.000	-	-	-	886-520	1.61	886-201	3.20	1.00
* 1-3/16-1-1/4	-	-	886-131	2.000	-	-	-	886-522	1.61	886-203	3.20	1.00
* 1-5/16-1-3/8	-	-	886-137	2.250	-	-	-	886-524	1.61	886-205	3.20	1.00
* 1-7/16-1-1/2	-	-	886-143	2.375	-	-	-	-	-	886-207	3.20	1.00
* 1-5/8	-	-	886-149	2.375	-	-	-	-	-	886-209	3.20	1.00
* 1-3/4	-	-	886-155	2.500	-	-	-	-	-	886-401	3.20	1.00
* 1-7/8	-	-	-	-	-	-	-	-	-	886-402	3.20	1.00
* 2	-	-	-	-	-	-	-	-	-	886-403	3.20	1.00
* 2-1/8	-	-	-	-	-	-	-	-	-	886-409	3.20	3.10
* 2-1/4	-	-	-	-	-	-	-	-	-	886-410	3.20	3.10
* 2-3/8	-	-	-	-	-	-	-	-	-	886-411	3.20	3.10
* 2-1/2	-	-	-	-	-	-	-	-	-	886-412	3.20	3.10
* 1/16NPT	886-106	2.00	-	-	886-526	1.250	0.75	-	-	-	-	-
* 1/8NPT	886-101	2.00	-	-	886-528	1.250	0.75	-	-	-	-	-
* 1/4NPT	886-102	2.00	-	-	886-530	1.250	0.75	-	-	-	-	-
* 3/8NPT	886-103	2.00	-	-	886-532	1.250	0.75	-	-	-	-	-
* 1/2NPT	886-104	2.00	-	-	886-534	1.250	0.75	-	-	886-408	3.20	1.00
* 3/4NPT	886-105	2.00	-	-	-	-	-	886-536	1.61	886-404	3.20	1.00
* 1NPT	-	-	886-110	2.500	-	-	-	886-538	1.61	886-405	3.20	1.00
* 1-1/4NPT	-	-	886-111	2.500	-	-	-	-	-	886-406	3.20	1.00
* 1-1/2NPT	-	-	-	-	-	-	-	-	-	886-407	3.20	1.00
* 2NPT	-	-	-	-	-	-	-	-	-	886-413	3.20	3.10

* Outgoing Items

Proj. indicates projection of tap driver from face of tapping unit

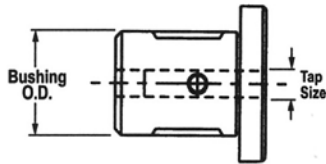
• Tap Adapters shown on this page are designed for use with specific Coolant-Thru-The-Spindle Tap Holders, shown on pages 148 and 149. Check the style indicated for your unit before ordering.



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TAP HOLDER BUSHINGS FOR USE WITH ROTARY INDUCER TYPE TAP HOLDERS

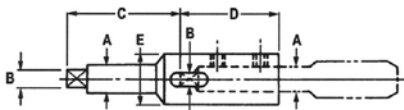


- To be used with Tap Holders shown on page 149.

TAP SIZE	BUSHING O.D.			
	5/8"	1"	1-1/4"	1-1/2"
* #10	869-001	872-001	-	-
* #12	869-002	872-002	-	-
* 1/4	869-003	872-003	-	-
* 5/16	869-004	872-004	-	-
* 3/8	869-005	872-005	874-001	-
* 7/16	869-006	872-006	874-002	-
* 1/2	869-007	872-007	874-003	875-001
* 9/16	-	872-008	874-004	875-002
* 5/8	-	872-009	874-005	875-003
* 3/4	-	872-010	874-006	875-004
* 7/8	-	-	874-007	875-005
* 1	-	-	874-008	875-006
* 1-1/8	-	-	874-009	875-007
* 1-1/4	-	-	874-010	875-008
* 1-3/8	-	-	874-011	875-009
* 1-1/2	-	-	-	875-010
* 1-5/8	-	-	-	875-011
* 1/8 Pipe S.S.	869-008	872-011	874-012	875-012
* 1/8 Pipe L.S.	-	872-012	874-013	875-013
* 1/4 Pipe	-	872-013	874-014	875-014
* 3/8 Pipe	-	872-014	874-015	875-015
* 1/2 Pipe	-	872-015	874-016	875-016
* 3/4 Pipe	-	-	874-017	875-017
* 1 Pipe	-	-	-	875-018

* **Outgoing Items**

QUICK-TAP EXTENSIONS WITH POSITIVE TAP DRIVE



PART NUMBER	TAP SIZE	A SHANK	B TAP SQUARE	C	D	E BODY DIA.
878-101	#0-#6	0.141	0.110	2	1.00	0.44
878-102	#8	0.168	0.131	2	1.00	0.44
878-103	#10	0.194	0.152	2	1.00	0.44
878-104	1/4	0.255	0.191	2	1.12	0.62
878-105	5/16	0.318	0.238	2	1.12	0.62
878-106	3/8	0.381	0.286	2	1.25	0.75
878-107	7/16	0.323	0.242	2	1.25	0.75
878-108	1/2	0.367	0.275	2	1.25	0.75
878-109	9/16	0.429	0.322	3	1.38	0.75
878-110	5/8	0.480	0.360	3	1.62	0.88

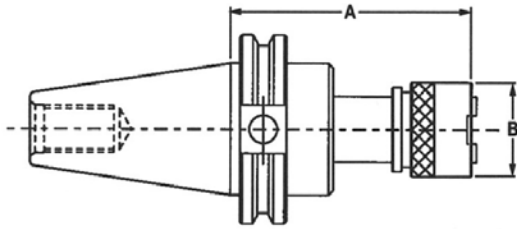
TAPPING
SYSTEMS



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V-FLANGE RIGID TAP HOLDERS • BILZ STYLE • NON COOLANT-FED

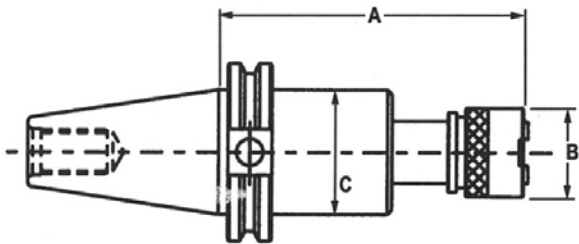


- Utilizes popular Bilz style quick change collet system
- Tap and tap size may be changed in seconds
- Precision ground components provide smooth action
- Extended lengths available upon request
- Made in the U.S.A.
- See pages 154 and 155 for Tap Adapter information

PART NUMBER	ADAPT SIZE	A PROJ.	B DIA.
* C40-RT1-275	# 1	2.75	1.25
* C40-RT2-356	# 2	3.56	1.96
* C50-RT1 -275	# 1	2.75	1.25
* C50-RT2-356	# 2	3.56	1.96
* C50-RT3-488	# 3	4.88	2.83

* **Outgoing Items**

V-FLANGE TENSION & COMPRESSION TAP HOLDERS • BILZ STYLE • NON COOLANT-FED



PART NUMBER	ADAPTER SIZE	TAP SIZE RANGE	A PROJ.	B DIA.	C DIA.
* C40-TC1-425	# 1	0 to 9/16 HT 1/8 PT	4.25	1.25	2.25
* C40-TC2-563	# 2	0 to 7/8 HT 1/8-1/2 PT	5.63	1.96	2.00
* C50-TC1-400	# 1	0 to 9/16 HT 1/8 PT	4.00	1.25	2.75
* C50-TC2-475	# 2	0 to 7/8 HT 1/8 to 1/2 PT	4.75	1.96	2.75
* C50-TC3-619	# 3	13/16 to 1-3/8 HT 3/4 to 1PT	6.19	2.83	2.75

* **Outgoing Items**

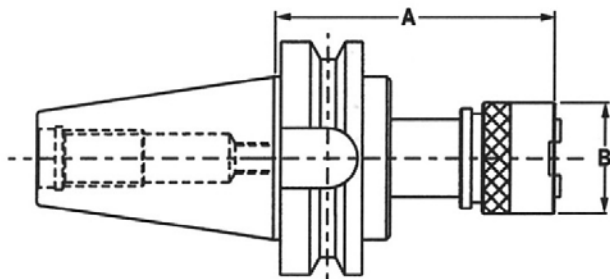
- Quick change -push back on the holder sleeve and the adapter with tool is removable
- Press on the end of the adapter nose and the tool is removable -all in a few seconds
- Smooth stroke-even under full torque load, the tension-compression stroke is full and free
- Interchangeability -our adapter and holders are interchangeable with Universal -Bilz quick change holders and adapters
- See pages 154 and 155 for Tap Adapter information



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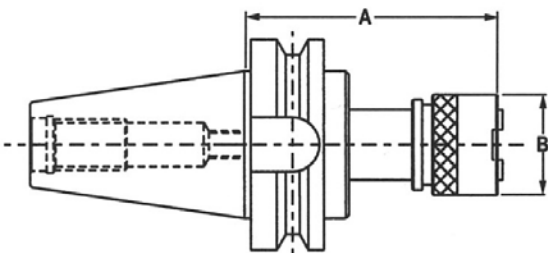
BT RIGID TOOLING TAP HOLDERS • BILZ STYLE • NON COOLANT-FED



- Utilizes popular Bilz style quick change collet system
- Tap and tap size may be changed in seconds
- Precision ground components provide smooth action
- Extended lengths available upon request
- Made in the U.S.A.
- See pages 154 and 155 for Tap Adapter information

A PART NUMBER	ADAPT SIZE	A PROJ.	B DIA.
* BT40-RT1-275	# 1	2.75	1.25
* BT40-RT2-356	# 2	3.56	1.96
* BT50-RT1-288	# 1	2.88	1.25
* BT50-RT2-369	# 2	3.69	1.96
* BT50-RT3-500	# 3	5.00	2.83
* Outgoing Items			

BT TENSION & COMPRESSION TAP HOLDERS • BILZ STYLE • NON COOLANT-FED



0.88 Tension / 0.38 Compression

PART NUMBER	ADAPTER SIZE	TAP SIZE RANGE	A PROJ.	B DIA.
* BT40-TC1-488	#1	0-9/16 HT to 1/8 PT	4.88	1.25
* BT40-TC2-562	#2	0-7/8 HT to 1/8-1/2 PT	5.62	1.96
* BT50-TC1-475	#1	0-9/16 HT to 1/8 PT	4.75	1.25
* BT50-TC2-550	#2	0-7/8 HT to 1/8-1/2 PT	5.50	1.96
* BT50-TC3-694	#3	13/16 - 1-3/8 HT to 3/4 to 1 PT	6.94	2.83

* **Outgoing Items**

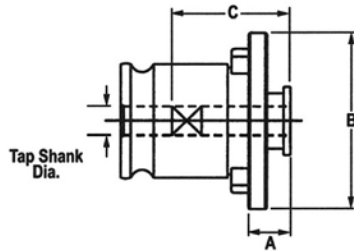
- Quick change -push back on the holder sleeve and the adapter with tool is removable
- Press on the end of the adapter nose and the tool is removable -all in a few seconds
- Smooth stroke-even under full torque load, the tens compression stroke is full and free
- Interchangeability -our adapter and holders are interchangeable with Universal -Bilz quick change holders and adapters
- See pages 154 and 155 for Tap Adapter information



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BILZ STYLE • TAP ADAPTERS



ADAPTER SIZE	TAP RANGE	PART NUMBER	TAP SIZE	SHANK SIZE	A PROJ.	B DIA.	C DEPTH
#1	0" to 9/16" HAND TAP	* 81-#0-6	0-6	0.141	0.28	1.18	0.85
		* 81-#8	8	0.168	0.28	1.18	0.92
		* 81-#10	10	0.194	0.28	1.18	0.92
		* 81-#12	12	0.220	0.28	1.18	0.95
		* 81-025	14 & 1/4	0.255	0.28	1.18	0.95
		* 81-031	5/16	0.318	0.28	1.18	0.98
		* 81-037	3/8 LS	0.381	0.28	1.18	1.05
		* 81-043	7/16	0.323	0.28	1.18	1.06
		* 81-050	1/2	0.367	0.28	1.18	1.11
		* 81-056	9/16	0.429	0.28	1.18	1.17
	1/8" SS & LS PIPE TAP	* 81-012PSS	1/8 PSS	0.313	0.28	1.18	1.05
		* 81-012PLS	1/8 PLS	0.437	0.28	1.18	1.05
#2	0" TO 7/8" HAND TAP	* 82-#0-6	0-6	0.141	0.32	1.88	0.85
		* 82-#8	8	0.168	0.32	1.88	0.92
		* 82-#10	10	0.194	0.32	1.88	0.92
		* 82-#12	12	0.220	0.32	1.88	0.95
		* 82-025	14 & 1/4	0.255	0.32	1.88	0.95
		* 82-031	5/16	0.318	0.43	1.88	1.49
		* 82-037	3/8 LS	0.381	0.43	1.88	1.56
		* 82-043	7/16	0.323	0.43	1.88	1.59
		* 82-050	1/2	0.367	0.43	1.88	1.62
		* 82-056	9/16	0.429	0.43	1.88	1.68
		* 82-062	5/8	0.480	0.43	1.88	1.74
		* 82-068	11/16	0.542	0.43	1.88	1.81
		* 82-075	3/4	0.590	0.43	1.88	1.87
		* 82-081	13/16	0.652	0.43	1.88	1.87
		* 82-087	7/8	0.697	0.43	1.88	1.93
	1/8" SS & LS 1/4" to 1/2" PIPE TAP	* 82-012PSS	1/8 PSS	0.313	0.35	1.88	1.49
		* 82-012PLS	1/8 PLS	0.437	0.35	1.88	1.05
		* 82-025P	1/4P	0.562	0.35	1.88	1.18
		* 82-037P	3/8P	0.700	0.35	1.88	1.24
		* 82-050P	1/2P	0.687	0.35	1.88	1.37
#3	13/16" to 1-3/8" HAND TAP	* 83-081	13/16	0.652	0.55	2.75	2.42
		* 83-087	7/8	0.697	0.55	2.75	2.48
		* 83-093	15/16	0.760	0.55	2.75	2.48
		* 83-1000	1	0.800	0.55	2.75	2.54
		* 83-1012	1-1/8	0.896	0.55	2.75	2.61
		* 83-1025	1-1/4	1.021	0.55	2.75	2.73
		* 83-1037	1-3/8	1.108	0.55	2.75	2.79
	3/4" to 1" PIPE TAP	* 83-075P	3/4P	0.906	0.43	2.75	1.55
		* 83-1000P	1P	1.125	0.43	2.75	1.68

* Outgoing Items

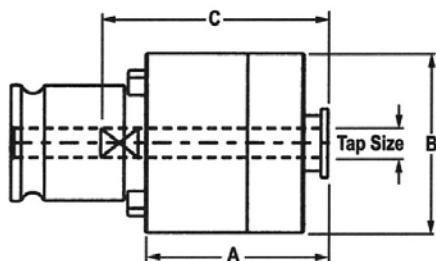
• Tap Adapters shown on this page are designed for use with Tap Holders shown on pages 152 and 153.



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BILZ STYLE • TORQUE CONTROL • TAP ADAPTERS



ADAPTER SIZE	TAP RANGE	PART NUMBER	TAP SIZE	A PROJ.	B DIA.	C DEPTH	TORQUE FT. LBS.
#1	0" to 9/16" HAND TAP	* 91-#0-6	0-6	0.98	1.26	0.85	1.1
		* 91-#8	8	0.98	1.26	0.92	1.7
		* 91-#10	10	0.98	1.26	0.92	2.2
		* 91-#12	12	0.98	1.26	0.95	2.5
		* 91-025	1/4	0.98	1.26	0.95	4.3
		* 91-031	5/16	0.98	1.26	0.98	7.2
		* 91-037	3/8	0.98	1.26	1.05	10.8
		* 91-043	7/16	0.98	1.26	1.08	17.0
		* 91-050	1/2	0.98	1.26	1.11	25.0
		* 91-056	9/16	0.98	1.26	1.06	29.0
	1/8" PIPE TAP	* 91-012PSS	1/8 SS	0.98	1.26	1.05	29.0
		* 91-012PLS	1/8 LS	0.98	1.26	1.05	7.0
#2	5/16" to 7/8" HAND TAP	* 92-031	5/16	1.34	1.97	1.49	7.2
		* 92-037	3/8	1.34	1.97	1.56	10.8
		* 92-043	7/16	1.34	1.97	1.59	17.0
		* 92-050	1/2	1.34	1.97	1.62	25.0
		* 92-056	9/16	1.34	1.97	1.68	29.0
		* 92-062	5/8	1.34	1.97	1.74	36.0
		* 92-068	11/16	1.34	1.97	1.81	40.0
		* 92-068	11/16	1.34	1.97	1.81	40.0
		* 92-075	3/4	1.34	1.97	1.87	53.0
		* 92-081	13/16	1.34	1.97	1.87	57.0
	1/4" to 1/2" PIPE TAP	* 92-087	7/8	1.34	1.97	1.93	69.0
		* 92-025P	1/4P	1.34	1.97	1.18	11.0
		* 92-037P	3/8P	1.34	1.97	1.24	14.0
		* 92-050P	1/2P	1.34	1.97	1.37	32.0
#3	13/16" to 1-3/8" HAND TAP	* 93-081	13/16	1.77	2.83	2.42	57.0
		* 93-087	7/8	1.77	2.83	2.48	69.0
		* 93-093	15/16	1.77	2.83	2.48	76.0
		* 93-1000	1	1.77	2.83	2.54	94.0
		* 93-1012	1-1/8	1.77	2.83	2.61	126.0
		* 93-1025	1-1/4	1.77	2.83	2.73	144.0
		* 93-1037	1-3/8	1.77	2.83	2.79	188.0
	1/2" to 1" PIPE TAP	* 93-050P	1/2P	1.77	2.83	1.55	32.0
		* 93-075P	3/4P	1.77	2.83	1.55	42.0
		* 93-1000P	1P	1.77	2.83	1.68	81.0

* Outgoing Items

- Tap Adapters shown on this page are designed for use with Tap Holders shown on pages 152 and 153.



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