

Tapping Heads

Self Reversing



- Radial floating, self-centering to compensate for hole center misalignment
- Unique double spring mechanism produces automatic feed and cushions the drive. There are two springs for reverse operation. Each set gives you added smoothness for ultra accurate tapping
- Pre-set torque control (reduces tap breakage)

Jacobs Taper	Tap Capacity	D Diameter (Inch)	D1 Diameter (Inch)	L (Inch)	L1 (Inch)	Code
J6	0 - 1/4 M2-M7	2.25	0.90	5.00	3.72	242140
J6	#10 - 1/2 M5-M12	3.50	1.10	6.65	4.80	242141
*M20	3/8 - 3/4 M8-M20	3.58	1.58	8.03	5.80	242142

* M20 is metric taper

Shanks

Shanks for 242142 M20 metric taper

Type	Code
MT3	242143
MT4	242144
R8	242145



Rubber-Flex Collets

For Holder	Tap Capacity	Code
242140	#0-#10	242146
242140	#10-1/4	242147
242141	#4-1/4	242148
242141	1/4-1/2	242149
242142	3/8-5/8	242163
242142	9/16-3/4	242164

Modular Tap Holders

Straight Shank

- Available in rigid or tension-compression styles
- Ideally suited to lathes and turning centers

Rigid Tap Holders



Type	d (Inch)	D (Inch)	Capacity (Inch)	L (Inch)	L1 (Inch)	Code
MRT#1 - 3/4	0.75	1.42	0 - 9/16	3.15	1.57	356720
MRT#1 - 1	1.00	1.42	0 - 9/16	3.58	2.01	356722
MRT#2 - 1	1.00	2.05	5/16 - 7/8	4.17	2.01	356723
MRT#3 - 1-1/2	1.50	3.07	13/16 - 1-3/8	6.25	3.00	356724

Modular Tap Holders

Straight Shank (continued)

Tension/Compression Tap Holders



Type	d (Inch)	D (Inch)	Capacity (Inch)	L (Inch)	L1 (Inch)	T Compensation (Inch)	C Compensation (Inch)	Code
MTC#1 - 3/4	0.75	1.42	0 - 9/16	3.15	1.57	0.30	0.30	356730
MTC#1 - 1	1.00	1.42	0 - 9/16	3.58	2.01	0.30	0.30	356732
MTC#2 - 1	1.00	2.16	5/16 - 7/8	4.49	2.01	0.49	0.49	356733
MTC#3 - 1-1/2	1.50	3.07	13/16 - 1-3/8	6.50	3.00	0.79	0.79	356734

Floating Holder Shanks

- Allows tapping using ER16 collet systems



Shank Diameter (Inch)	B (Inch)	B1 (Inch)	D (Inch)	Tap Range	Wrench Reference	Code
3/4	5.31	2.36	1.10	#0-1/2	827009	242072
3/4	3.94	2.56	0.86	#0-1/2	827008	242074

BF Adapter

For ER16 Collet



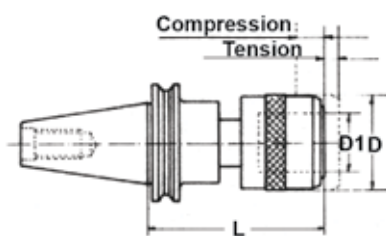
- Quick-change adapters are interchangeable with Bilz and other popular tapping systems
- Collets hold ANSI and metric sizes
- May be used for tapping and drilling

Collet Size	Tap Range	Bilz Style	B (Inch)	L (Inch)	D (Inch)	Code
ER16	#0-1/2 M3-M12	#1	0.75	0.98	1.10	356890

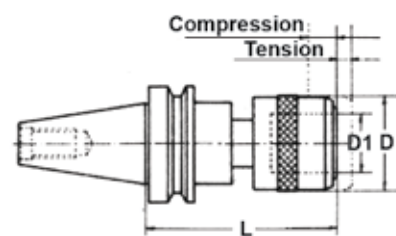
Quick Change Tap Holders

Using BILZ Style Tap Holders

Tension/Compression Tap Holders



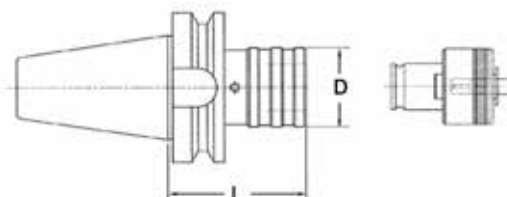
CATERPILLER V-FLANGE



BT FLANGE

Taper	L (Inch)	D (Inch)	Tap Range	D1 (Inch)	Tension (Inch)	Compression (Inch)	Approximate Weight (lbs)	Code
CAT40	3	1.18	0-9/16 hand 1/8 pipe	0.748	13/64	9/32	5	356040
CAT40	3-3/4	1.89	5/16-7/8 hand 1/4-3/8-1/2 pipe	1.220	5/16	19/32	9	356041
CAT50	4	1.18	0-9/16 hand 1/8 pipe	0.748	13/64	9/32	6	356049
CAT50	4	1.89	5/16-7/8 hand 1/4-3/8-1/2 pipe	1.220	5/16	19/32	10	356050
BT40	3	1.18	0-9/16 hand 1/8 pipe	0.748	13/64	9/32	5	356140
BT40	3-3/4	1.89	5/16-7/8 hand 1/4-3/8-1/2 pipe	1.220	5/16	19/32	9	356141
BT50	4	1.18	0-9/16 hand 1/8 pipe	0.748	13/64	9/32	6	356149

Rigid/Synchronized Tap Holders

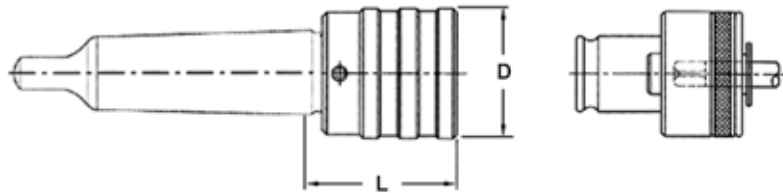


This unit does not have Tension/Compression

Taper	Chuck Size	Tap Range	D (Inch)	L (Inch)	Code
CAT40	1	0 – 9/16; 1/8P	1-1/2	3	242150
CAT40	2	5/16 – 7/8; 1/4P, 3/8P, 1/2P	2	3-3/4	242151
CAT40	3	13/16 – 1-3/8	2	5-3/4	242152
CAT50	1	0 – 9/16; 1/8P	1-1/2	3	242153
CAT50	2	5/16 – 7/8; 1/4P, 3/8P, 1/2P	2	3-3/4	242154
CAT50	3	13/16 – 1-3/8	2	5-3/4	242155
BT40	1	0 – 9/16; 1/8P	1-1/2	3	242156
BT40	2	5/16 – 7/8; 1/4P, 3/8P, 1/2P	2	3-3/4	242158
BT50	1	0 – 9/16; 1/8P	1-1/2	3	242160
BT50	2	5/16 – 7/8; 1/4P, 3/8P, 1/2P	2	3-3/4	242161

Quick Change Tap Adapters

Morse Taper Shank – Tension/Compression



- For use on drills, lathes, etc.
- Takes Bilz style adapters #1, #2, and #3

Shank Size	Adapter	D (Inch)	L (Inch)	Code	Shank Size	Adapter	D (Inch)	L (Inch)	Code
MT2	CWE 1	1.42	1.85	242200	MT3	CWE 2	2.08	2.83	242205
MT3	CWE 1	1.42	1.85	242201	MT4	CWE 2	2.08	2.83	242206

BILZ Style Tap Adapters

Positive Drive & Torque Control Tap Adapters – Inch & Metric

- Made to ANSI standards



Model	A (Inch)	B (Inch)
CWE 1	1.18	0.75
CWE 2	1.89	1.22
CWE 3	2.75	1.89

Standard Positive Drive (PD) – Inch

Model	Tap Size	Tap Shank Diameter (Inch)	Code	Model	Tap Size	Tap Shank Diameter (Inch)	Code
CWE 1	0-6	0.141	356500	CWE 2	3/8	0.381	356552
CWE 1	#8	0.168	356502	CWE 2	7/16	0.323	356554
CWE 1	#10	0.194	356504	CWE 2	1/2	0.367	356556
CWE 1	#12	0.220	356506	CWE 2	9/16	0.429	356558
CWE 1	1/4	0.255	356508	CWE 2	5/8	0.480	356560
CWE 1	5/16	0.318	356510	CWE 2	11/16	0.542	356562
CWE 1	3/8	0.381	356512	CWE 2	3/4	0.590	356564
CWE 1	7/16	0.323	356514	CWE 2	13/16	0.652	356566
CWE 1	1/2	0.367	356516	CWE 2	7/8	0.697	356568
CWE 1	9/16	0.429	356518	CWE 3	13/16	0.652	356580
CWE 2	0-6	0.141	356540	CWE 3	7/8	0.697	356582
CWE 2	#8	0.168	356542	CWE 3	15/16	0.760	356584
CWE 2	#10	0.194	356544	CWE 3	1	0.800	356586
CWE 2	#12	0.220	356546	CWE 3	1-1/8	0.896	356588
CWE 2	1/4	0.255	356548	CWE 3	1-1/4	1.021	356590
CWE 2	5/16	0.318	356550	CWE 3	1-3/8	1.108	356592

Torque Control (TC) – Inch

Model	Tap Size	Tap Shank Diameter (Inch)	Code	Model	Tap Size	Tap Shank Diameter (Inch)	Code
CWES 1	0-6	0.141	356800	CWES 1	5/16	0.318	356810
CWES 1	#8	0.168	356802	CWES 1	3/8	0.381	356812
CWES 1	#10	0.194	356804	CWES 1	7/16	0.323	356814
CWES 1	#12	0.220	356806	CWES 1	1/2	0.367	356816
CWES 1	1/4	0.255	356808	CWES 1	9/16	0.429	356818

BILZ Style Tap Adapters

Positive Drive & Torque Control Tap Adapters – Inch & Metric (*continued*)

Torque Control (TC) – Inch (*continued*)

Model	Tap Size	Tap Shank Diameter (Inch)	Code	Model	Tap Size	Tap Shank Diameter (Inch)	Code
CWES 2	1/4	0.255	356849	CWES 2	5/8	0.480	356860
CWES 2	5/16	0.318	356850	CWES 2	11/16	0.542	356862
CWES 2	3/8	0.381	356852	CWES 2	3/4	0.590	356864
CWES 2	7/16	0.323	356854	CWES 2	13/16	0.652	356866
CWES 2	1/2	0.367	356856	CWES 2	7/8	0.697	356868
CWES 2	9/16	0.429	356858				

Torque Control (TC) – Metric (ISO)

Model	Tap Size	Tap Shank Diameter (Inch)	Code	Model	Tap Size	Tap Shank Diameter (Inch)	Code
CWES 1	M6	6.3	356825	CWES 2	M6	6.3	356875
CWES 1	M8	8.0	356828	CWES 2	M8	8.0	356878
CWES 1	M10	10.0	356830	CWES 2	M10	10.0	356880
CWES 1	M12	9.0	356832	CWES 2	M12	9.0	356882

Pipe – Positive Drive (PD) – Inch

Model	Tap Size	Tap Shank Diameter (Inch)	Code	Model	Tap Size	Tap Shank Diameter (Inch)	Code
CWE 1	1/8 SS	0.313	356520	CWE 2	1/2	0.687	356574
CWE 1	1/8 LS	0.437	356522	CWE 3	3/4	0.906	356596
CWE 2	1/4	0.562	356570	CWE 3	1	1.125	356598
CWE 2	3/8	0.700	356572				

Pipe – Torque Control (TC) – Inch

Model	Tap Size	Tap Shank Diameter (Inch)	Code	Model	Tap Size	Tap Shank Diameter (Inch)	Code
CWES 1	1/8 SS	0.313	356820	CWES 2	3/8	0.700	356872
CWES 1	1/8 LS	0.437	356822	CWES 2	1/2	0.687	356874
CWES 2	1/4	0.562	356870				