



## Tightening Fixtures

### Universal H/V CNC Tool Tightening Fixtures



Mount in vertical and horizontal positions

- Multiple usage on tool holder shank CAT, BT, NMTB and ISO
- Enables strong gripping power of tool holder
- Access both ends of tool holders simultaneously
- Provides maximum protection of tool holder
- Tools may be mounted in vertical and horizontal positions
- High quality compact and rigid design for mounting on work table or tool cart
- Body is constructed of strong, high quality aluminum alloy

MILLING

Taper Size	Overall Height (Inch)	Overall Length (Inch)	Width (Inch)	Weight (lbs)	Code
30	4.84	7.09	3.23	3.8	310841
40	5.12	7.09	3.23	4.2	310842
50	7.24	9.84	4.72	8.4	310843

## Shell Mill Arbors

### ISA (NMTB) Shanks



- Made of alloy forged steel for long, durable service life
- Hardened to 56-60 HRC and ground to ensure maximum accuracy
- Shell end mill pilot total indicator runout <0.0004"

#### Draw Bar Threads:

- ISA30 1/2"-13 UNC
- ISA40 5/8"-11 UNC
- ISA50 1"-8 UNC

Shank	Arbor Diameter (Inch)	For Shell End Mills (Inch)	Weight (lbs)	Code	Shank	Arbor Diameter (Inch)	For Shell End Mills (Inch)	Weight (lbs)	Code
ISA30	1/2	1-1/4 – 1-1/2	0.82	827119	ISA40	1-1/2	4 – 5	2.76	827127
ISA30	3/4	1-3/4 – 2	0.95	827120	ISA40	2	5-1/2 – 6	3.44	827128
ISA30	1	2-1/4 – 2-3/4	1.26	827121	ISA50	1/2	1-1/4 – 1-1/2	6.00	827129
ISA30	1-1/4	3 – 3-1/2	1.32	827122	ISA50	3/4	1-3/4 – 2	6.10	827130
ISA40	1/2	1-1/4 – 1-1/2	1.85	827123	ISA50	1	2-1/4 – 2-3/4	6.40	827131
ISA40	3/4	1-3/4 – 2	1.96	827124	ISA50	1-1/4	3 – 3-1/2	6.50	827132
ISA40	1	2-1/4 – 2-3/4	2.25	827125	ISA50	1-1/2	4 – 5	6.90	827133
ISA40	1-1/4	3 – 3-1/2	2.45	827126	ISA50	2	5-1/2 – 6	7.40	827134

### ISA (NMTB) Shanks – 4" Extension Type



#### Draw Bar Threads:

- ISA40 5/8"-11 UNC
- ISA50 1"-8 UNC

Shank	Arbor Diameter (Inch)	For Shell End Mills (Inch)	Weight (lbs)	Code
ISA40	3/4	1-3/4 – 2	3.50	827135
ISA40	1	2-1/2 – 2-3/4	3.90	827136
ISA50	1	2-1/4 – 2-3/4	8.60	827137
ISA50	1-1/4	3 – 3-1/2	10.6	827138

### R8 Shanks



- Made of alloy forged steel for long, durable service life
- Hardened to 56-60 HRC and ground to ensure maximum accuracy
- Shell end mill pilot total indicator runout <0.0004"

Shank	Arbor Diameter (Inch)	For Shell End Mills (Inch)	Code
R8	1/2	1-1/4 – 1-1/2	827140
R8	3/4	1-3/4 – 2	827141
R8	1	2-1/4 – 2-3/4	827142
R8	1-1/4	3 – 3-1/2	827143
R8	1-1/2	4 – 5	827144