

μmatic

*Increase Productivity At An Economy Price
With The Unique Precision Chuck From Centaur*



CAT/V-FLANGE

The *μmatic* high precision chuck is designed specifically to meet the demands of today's new generation of machines and cutting tools. *μmatic*'s powerful clamping force and ability to hold tools within 50 millionths T.I.R. eliminate the need for expensive hydraulic chucks and conventional milling chucks.

Centaur's innovative *μmatic* chuck features clamping surfaces ground directly from the toolholder body. Holding a cutting tool within 0.0002" T.I.R. is achieved with no adjustments.

μmatic incorporates truing screws that contact the tool shank directly, permitting rapid adjustments to within 50 millionths — either on a presetter or in the machine spindle.

μmatic is ideal for rough milling and finish milling. And because of *μmatic*'s unusually high accuracy, it is perfectly suited for holmaking applications that normally require hydraulic chuck or boring operations.

The *μmatic* high precision chuck ensures greater workpiece accuracy, while delivering increased feed rates and tool life.

The bottom line: ***Increased productivity.***



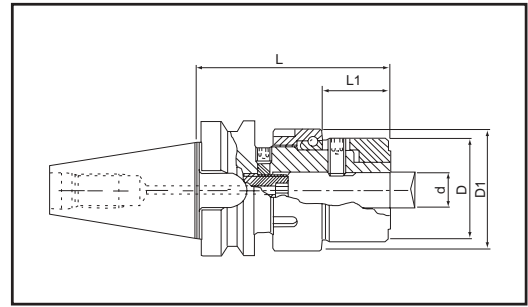
BT

Features and Benefits

- **Patented, vibration-damping structure.** Centaur's *μmatic* interrupts the transmission of helical vibrations to allow increased RPM and feed rates.
- **Guaranteed high accuracies.** Tools clamp within 0.0002" T.I.R. with no adjustment. Truing screws that contact directly to the tool shank can be set easily and quickly to achieve T.I.R. within 50 millionths.
- **Ideal for today's finest machine tools.** *μmatic* is balanced to 22,000 RPM and is sealed for coolant-through applications.
- **Locking screw.** In addition to exerting extremely powerful clamping forces, the *μmatic* high precision chuck is equipped with a Weldon type screw to eliminate tool pullout common with standard heavy duty milling chucks.
- **Delivery from stock.** *μmatic* chucks are shipped directly from Centaur's huge U.S.-based inventory in all standard sizes. CAT/V-Flange, BT and HSK shanks are available. 40 taper toolholders have a capacity to 1-1/2" endmills; 50 taper to 2".
- **Value pricing.** *μmatic* high precision chucks can replace expensive hydraulic chucks and heavy duty milling chucks, yet are available from Centaur at a fraction of the cost.

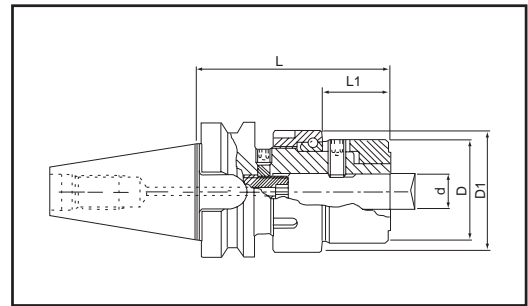
CAT/V-FLANGE SPECIFICATIONS

Part No.	Shank	d	D		D1		L		L1	
			mm.	in.	mm.	in.	mm.	in.	mm.	in.
C40UM0250	CAT 40	0.250"	28.5	1.122	37.5	1.476	86	3.386	25	0.984
C40UM0312	CAT 40	0.312"	28.5	1.122	37.5	1.476	86	3.386	25	0.984
C40UM0375	CAT 40	0.375"	35.5	1.398	44.5	1.752	96	3.780	31.5	1.240
C40UM0437	CAT 40	0.437"	38	1.496	44.5	1.752	96	3.780	31.5	1.240
C40UM0500	CAT 40	0.500"	38	1.496	44.5	1.752	96	3.780	31.5	1.240
C40UM0625	CAT 40	0.625"	42.5	1.673	49.5	1.949	98	3.858	32.5	1.280
C40UM0750	CAT 40	0.750"	48.5	1.909	54.5	2.146	100	3.937	34.5	1.358
C40UM0875	CAT 40	0.875"	50.5	1.988	56.5	2.224	100	3.937	34.5	1.358
C40UM1000	CAT 40	1.000"	61.5	2.421	68.5	2.697	106	4.173	39	1.535
C40UM1125	CAT 40	1.125"	64	2.520	68.5	2.697	106	4.173	39	1.535
C40UM1250	CAT 40	1.250"	70	2.756	73.5	2.894	114	4.488	43.5	1.713
C50UM0250	CAT 50	0.250"	28.5	1.122	37.5	1.476	86	3.386	25	0.984
C50UM0312	CAT 50	0.312"	28.5	1.122	37.5	1.476	86	3.386	25	0.984
C50UM0375	CAT 50	0.375"	35.5	1.398	44.5	1.752	96	3.780	31.5	1.240
C50UM0500	CAT 50	0.500"	38	1.496	44.5	1.752	96	3.780	31.5	1.240
C50UM0625	CAT 50	0.625"	42.5	1.673	49.5	1.949	98	3.858	32.5	1.280
C50UM0750	CAT 50	0.750"	48.5	1.909	54.5	2.146	100	3.937	34.5	1.358
C50UM0875	CAT 50	0.875"	50.5	1.988	56.5	2.224	100	3.937	34.5	1.358
C50UM1000	CAT 50	1.000"	61.5	2.421	68.5	2.697	106	4.173	39	1.535
C50UM1125	CAT 50	1.125"	64	2.520	68.5	2.697	106	4.173	39	1.535
C50UM1250	CAT 50	1.250"	70	2.756	73.5	2.894	114	4.488	43.5	1.713



BT SPECIFICATIONS

Part No.	Shank	d	D		D1		L		L1	
			mm.	in.	mm.	in.	mm.	in.	mm.	in.
B40UM0250	BT 40	0.250"	28.5	1.122	37.5	1.476	78	3.071	25	0.984
B40UM0312	BT 40	0.312"	28.5	1.122	37.5	1.476	78	3.071	25	0.984
B40UM0375	BT 40	0.375"	35.5	1.398	44.5	1.752	88	3.465	31.5	1.240
B40UM0437	BT 40	0.437"	38	1.496	44.5	1.752	88	3.465	31.5	1.240
B40UM0500	BT 40	0.500"	38	1.496	44.5	1.752	88	3.465	31.5	1.240
B40UM0625	BT 40	0.625"	42.5	1.673	49.5	1.949	90	3.543	32.5	1.280
B40UM0750	BT 40	0.750"	48.5	1.909	54.5	2.146	92	3.622	34.5	1.358
B40UM0875	BT 40	0.875"	50.5	1.988	56.5	2.224	92	3.622	34.5	1.358
B40UM1000	BT 40	1.000"	61.5	2.421	68.5	2.697	98	3.858	39	1.535
B40UM1125	BT 40	1.125"	64	2.520	68.5	2.697	98	3.858	39	1.535
B40UM1250	BT 40	1.250"	70	2.757	73.5	2.894	106	4.173	43.5	1.713
B50UM0250	BT 50	0.250"	28.5	1.122	37.5	1.476	89	3.504	25	0.984
B50UM0312	BT 50	0.312"	28.5	1.122	37.5	1.476	89	3.504	25	0.984
B50UM0375	BT 50	0.375"	35.5	1.398	44.5	1.752	99	3.898	31.5	1.240
B50UM0500	BT 50	0.500"	38	1.496	44.5	1.752	99	3.898	31.5	1.240
B50UM0625	BT 50	0.625"	42.5	1.673	49.5	1.949	99	3.898	32.5	1.280
B50UM0750	BT 50	0.750"	48.5	1.909	54.5	2.146	101	3.976	34.5	1.358
B50UM0875	BT 50	0.875"	50.5	1.988	56.5	2.224	101	3.976	34.5	1.358
B50UM1000	BT 50	1.000"	61.5	2.421	68.5	2.697	109	4.291	39	1.535
B50UM1125	BT 50	1.125"	64	2.520	68.5	2.697	109	4.291	39	1.535
B50UM1250	BT 50	1.250"	70	2.756	73.5	2.894	127	5.000	43.5	1.713



HSK SPECIFICATIONS

Part No.	Shank	d	D		D1		L		L1	
			mm.	in.	mm.	in.	mm.	in.	mm.	in.
H63AUM0250	HSK 63	0.250"	28.5	1.122	37.5	1.476	87	3.425	25	0.984
H63AUM0312	HSK 63	0.312"	28.5	1.122	37.5	1.476	87	3.425	25	0.984
H63AUM0375	HSK 63	0.375"	35.5	1.398	44.5	1.752	97	3.819	31.5	1.240
H63AUM0500	HSK 63	0.500"	38	1.496	44.5	1.752	97	3.819	31.5	1.240
H63AUM0625	HSK 63	0.625"	42.5	1.673	49.5	1.949	99	3.898	32.5	1.280
H63AUM0750	HSK 63	0.750"	48.5	1.909	54.5	2.146	101	3.976	34.5	1.358
H63AUM0875	HSK 63	0.875"	50.5	1.988	56.5	2.224	101	3.976	34.5	1.358
H63AUM1000	HSK 63	1.000"	61.5	2.421	68.5	2.697	114	4.488	39	1.535
H63AUM1125	HSK 63	1.125"	64	2.520	68.5	2.697	114	4.488	39	1.535
H63AUM1250	HSK 63	1.250"	70	2.756	73.5	2.894	124	4.882	43.5	1.713

