



ASME B5.50-2009-CAT

ASME B5.50
- CAT

Taper
Accuracy
AT3

G Value
6.3

RPM
15,000

Coolant
System
AD/B

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
AK000B	40	CAT40AD/B-EMH1/8-2.50	0.125	0.69	2.50
AK001B		CAT40AD/B-EMH3/16-2.50	0.187	0.69	2.50
AK002B		CAT40AD/B-EMH1/4-2.50	0.250	0.78	2.50
AK003B		CAT40AD/B-EMH5/16-2.50	0.312	0.88	2.50
AK004B		CAT40AD/B-EMH3/8-2.50	0.375	1.00	2.50
AK005B		CAT40AD/B-EMH7/16-2.50	0.437	1.13	2.50
AK006B		CAT40AD/B-EMH1/2-2.63	0.500	1.25	2.63
AK008B		CAT40AD/B-EMH5/8-3.75	0.625	1.50	3.75
AK010B		CAT40AD/B-EMH3/4-3.75	0.750	1.75	3.75
AK012B		CAT40AD/B-EMH7/8-4.00	0.875	1.88	4.00
AK014B		CAT40AD/B-EMH1"-4.00	1.000	2.00	4.00
AK017B		CAT40AD/B-EMH1 1/4-4.25	1.250	2.50	4.25
AK021B		CAT40AD/B-EMH1 1/2-4.63	1.500	2.50	4.63
AL002B	50	CAT50AD/B-EMH1/4-2.50	0.250	0.78	2.50
AL003B		CAT50AD/B-EMH5/16-2.50	0.312	0.88	2.50
AL004B		CAT50AD/B-EMH3/8-2.50	0.375	1.00	2.50
AL005B		CAT50AD/B-EMH7/16-2.63	0.437	1.13	2.63
AL006B		CAT50AD/B-EMH1/2-2.63	0.500	1.25	2.63
AL008B		CAT50AD/B-EMH5/8-3.75	0.625	1.50	3.75
AL010B		CAT50AD/B-EMH3/4-3.75	0.750	1.75	3.75
AL012B		CAT50AD/B-EMH7/8-3.75	0.875	1.88	3.75
AL014B		CAT50AD/B-EMH1"-4.00	1.000	2.00	4.00
AL017B		CAT50AD/B-EMH1 1/4-4.00	1.250	2.50	4.00
AL021B		CAT50AD/B-EMH1 1/2-4.00	1.500	2.50	4.00
AL029B		CAT50AD/B-EMH2"-5.63	2.000	3.75	5.63

* High balanced End Mill Holders are available on request.

* Set screws for End Mill Holders on page 65.

TECHNICAL INFORMATION

T.I.R and TOLERANCE

● T.I.R (Total Indicated Run-out)

HYDRAULIC CHUCK

Concentric to 0.00012" T.I.R (at 3D)

SHRINK FIT HOLDER

Concentric to 0.00012" T.I.R (at I.D)

ER COLLET CHUCK

Concentric to 0.0002" T.I.R (at I.D)

END MILL HOLDER

Concentric to 0.0002" T.I.R (at I.D)

SLITTING SAW ARBOR

Face perpendicular to taper within 0.0002" T.I.R (at I.D)

STUB ARBOR

Face perpendicular to taper within 0.0002" T.I.R (at I.D)

SHELL MILL ARBOR

Face perpendicular to taper within 0.0001" T.I.R

Out diameter to taper within 0.0002" T.I.R

MORSE & JACOBS TAPER ARBOR

Concentric to 0.0003" T.I.R

* To put tool precisely on spindle center line for getting correct T.I.R.

● AT3 or better accuracy on all shank tapers

● Accurate and rigid tool holder mounting to spindle

● The bore diameter of all tool holders is controlled by H5 grade tolerance limit.

TAPER	AT3
#30	0.000078"
#40	0.00012"
#50	0.00016"