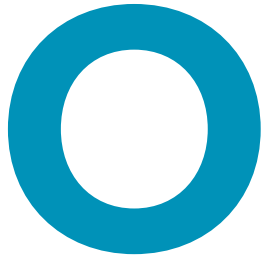


# TOOL HOLDING

O1 - O5



## TOOL HOLDING

O2 - O5

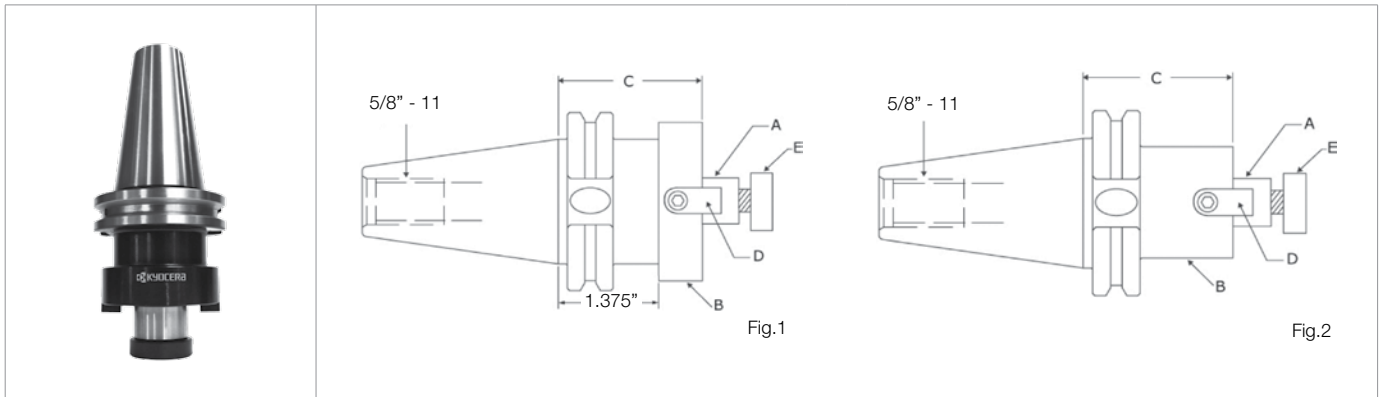
CAT40	Taper Adapter	O2
CAT50	Taper Adapter	O4

# CAT40

## Face Mill Toolholders

- Made from 8620 Alloy Steel
- Concentricity is less than .0002 at face and arbor
- All critical surfaces are precision ground
- Case hardened to 54-58 RC
- Case depth is .03-.04
- Balanced to G2.5 @ 20,000 rpm
- Rear thread for pull stud is 5/8-11
- Coolant through capable

### CAT40 Face Mill Holders



### CAT40 Holder Dimensions

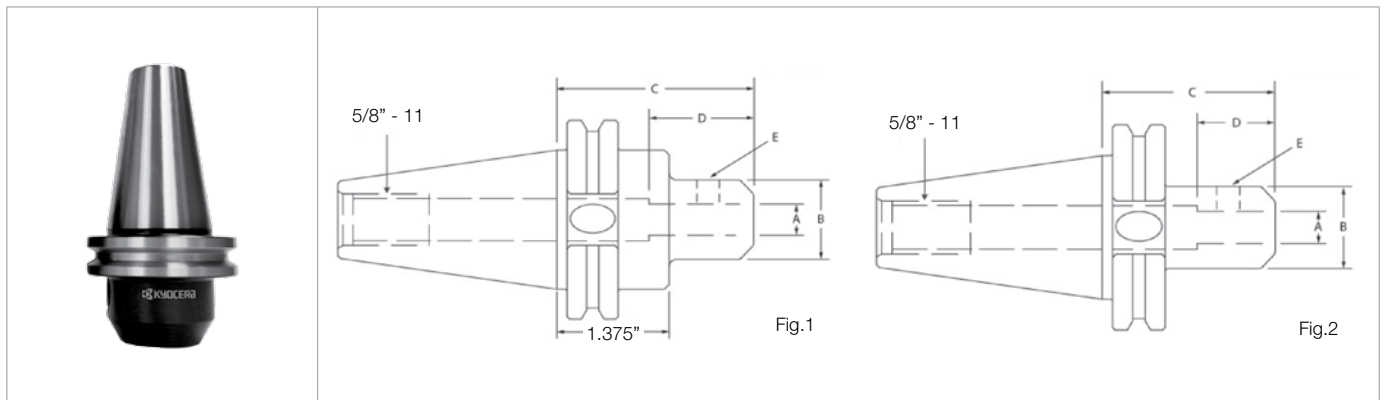
Part Number	Stock	Dimensions (in)					
		Arbor Dia. (A)	O.D. (B)	Gage Length (C)	Key Width (D)	Screw (E)	Drawing
<b>KYO-CAT40- FM.75-2.0</b>	●	0.750	1.750	2.000	5/16	3/8-24	2
<b>FM1.0-2.0</b>	●	1.000	2.180	2.000	3/8	1/2-20	1
<b>FM1.25-2.0</b>	●	1.250	2.440	2.000	1/2	5/8-18	1
<b>FM1.5-2.0</b>	●	1.500	2.520	2.000	5/8	3/4-16	1

# CAT40

## End Mill Toolholders

- Made from 8620 Alloy Steel
- All critical surfaces are precision ground
- Case hardened to 56-58 RC
- Case depth is .03-.04
- Balanced to G2.5 @ 20,000 rpm
- Concentricity is .0001 or less
- Rear thread for pull stud is 5/8-11
- Coolant through capable

### CAT40 End Mill Holders



### CAT40 Holder Dimensions

Part Number	Stock	Dimensions (in)					
		I.D. (A)	O.D. (B)	Gage Length (C)	Tool Depth (D)	Set Screw (E)	Drawing
<b>KYO-CAT40- EM.500-1.75</b>	●	0.500	1.375	1.750	N/A	7/16-20	2
<b>EM.625-1.75</b>	●	0.625	1.500	1.750	2.100	9/16-18	2
<b>EM.75-1.75</b>	●	0.750	1.750	1.750	2.500	5/8-18	2
<b>EM1.0-1.75</b>	●	1.000	1.750	1.750	2.600	5/8-18	2
<b>EM1.25-2.5</b>	●	1.250	2.500	2.500	2.750	3/4-16	1
<b>EM1.5-4.0</b>	●	1.500	2.620	4.000	3.000	2x - 3/4-16	2*

\* This tool holder does not have a safety zone for the tool changer.  
 Although most machines do not require a safety zone, please be sure to check your machine tool requirements.

GRADES **A**

LINEUP / INSERTS **B**

45° / 70° LEAD **C**

75° LEAD **D**

90° LEAD **E**

HIGH FEED **F**

MULTI-FUNCTION **G**

SLOT MILLS **H**

RADIUS / BALL-NOSE **J**

OTHER APPLICATIONS **K**

TOOL HOLDING **O**

SPARE PARTS **P**

TECHNICAL **R**

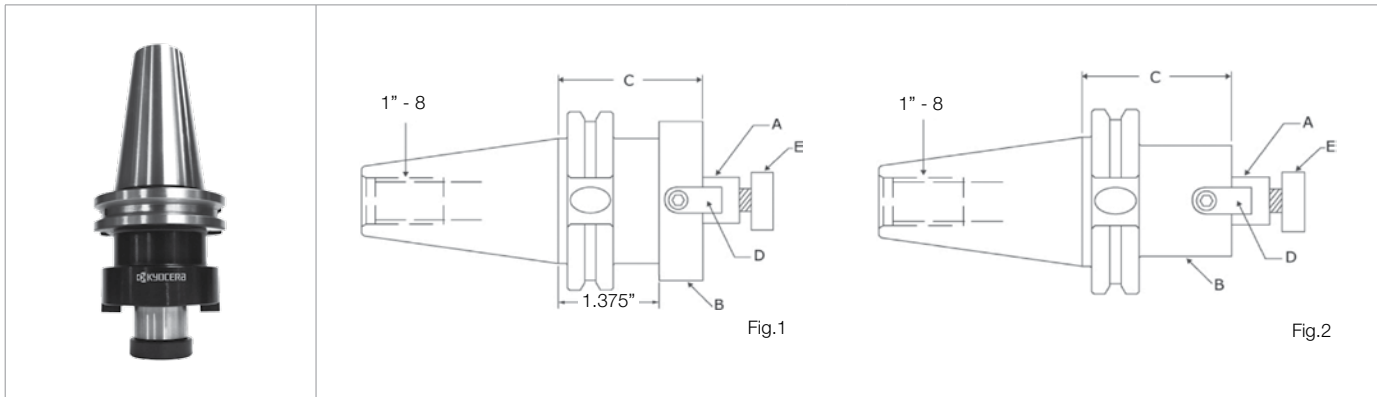
INDEX **T**

# CAT50

## Face Mill Toolholders

- Made from 8620 Alloy Steel
- Concentricity is less than .0002 at face and arbor
- All critical surfaces are precision ground
- Case hardened to 54-58 RC
- Case depth is .03-.04
- Balanced to G2.5 @ 20,000 rpm
- Rear thread for pull stud is 1" x 8
- Coolant through capable

### CAT50 Face Mill Holders



### CAT50 Holder Dimensions

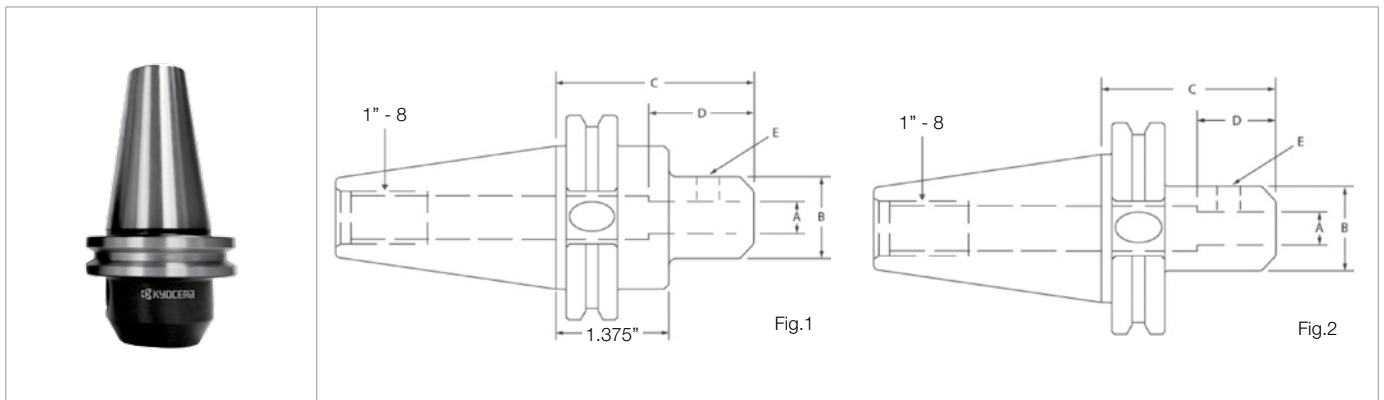
Part Number	Stock	Dimensions (in)					
		Arbor Dia. (A)	O.D. (B)	Gage Length (C)	Key Width (D)	Screw (E)	Drawing
<b>KYO-CAT50- FM.75-3.0</b>	●	0.750	1.750	3.000	5/16	3/8-24	2
<b>FM1.0-3.0</b>	●	1.000	2.180	3.000	3/8	1/2-20	2
<b>FM1.25-3.0</b>	●	1.250	2.440	3.000	1/2	5/8-18	2
<b>FM1.5-3.0</b>	●	1.500	2.740	3.000	5/8	3/4-16	2
<b>FM2.0-3.0</b>	●	2.000	3.700	3.000	3/4	1-14	1
<b>FM2.5-3.0</b>	●	2.500	4.000	3.000	1.0	1-14	1

# CAT50

## End Mill Toolholders

- Made from 8620 Alloy Steel
- All critical surfaces are precision ground
- Case hardened to 56-58 RC
- Case depth is .03-.04
- Balanced to G2.5 @ 20,000 rpm
- Concentricity is .0002 or less
- Rear thread for pull stud is 1" x 8
- Coolant through capable

### CAT50 End Mill Holders



### CAT50 Holder Dimensions

Part Number	Stock	Dimensions (in)					
		I.D. (A)	O.D. (B)	Gage Length (C)	Tool Depth (D)	Set Screw (E)	Drawing
KYO-CAT50- EM.500-3.0	●	0.500	1.375	3.000	N/A	7/16-20	1
EM.625-3.0	●	0.625	1.500	3.000	N/A	9/16-18	1
EM.75-3.0	●	0.750	1.750	3.000	N/A	5/8-18	1
EM1.0-4.0	●	1.000	1.900	4.000	2.750	5/8-18	1
EM1.25-4.0	●	1.250	2.500	4.000	2.750	3/4-16	1
EM1.5-4.5	●	1.500	2.750	4.500	3.000	2x - 3/4-16	1
EM2.0-5.0	●	2.000	3.500	5.000	3.500	2x - 1.0-14	2*

\* This tool holder does not have a safety zone for the tool changer.  
 Although most machines do not require a safety zone, please be sure to check your machine tool requirements.

GRADES	A
LINEUP / INSERTS	B
45° / 70° LEAD	C
75° LEAD	D
90° LEAD	E
HIGH FEED	F
MULTI-FUNCTION	G
SLOT MILLS	H
RADIUS / BALL-NOSE	J
OTHER APPLICATIONS	K
TOOL HOLDING	O
SPARE PARTS	P
TECHNICAL	R
INDEX	T

