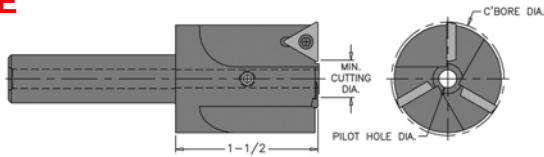


CUTTING TOOLS

INDEXABLE INSERT REMOVABLE PILOT COUNTERBORES

- 3 flute design
- Pilots and inserts sold separately



Counterbore Dia.	Shank Dia.	Min. Cutting Dia.	Pilot Hole Dia.	No. of Flutes	Part Number	Price Each	Insert Reference	Screw	Torx Wrench
1	1/2	0.214	3/16	3	INCB-1000-ET	\$149.54	TPGH-2_ _	19035 \$2.75 each (sold in packages of 10)	19552 \$4.25 each
1-1/16	1/2	0.276	3/16	3	INCB-1062-ET	\$155.08			
1-1/8	1/2	0.339	3/16	3	INCB-1125-ET	\$155.08			
1-3/16	1/2	0.402	3/16	3	INCB-1188-ET	\$155.08			
1-1/4	1/2	0.464	5/16	3	INCB-1250-ET	\$155.08			
1-5/16	1/2	0.526	5/16	3	INCB-1312-ET	\$160.62			
1-3/8	1/2	0.589	5/16	3	INCB-1375-ET	\$160.62			
1-7/16	1/2	0.652	5/16	3	INCB-1438-ET	\$168.00			
1-1/2	3/4	0.714	5/16	3	INCB-1500-ET	\$168.00			
1-9/16	3/4	0.776	5/16	3	INCB-1562-ET	\$168.00			
1-5/8	3/4	0.839	5/16	3	INCB-1625-ET	\$168.00			
1-11/16	3/4	0.902	5/16	3	INCB-1688-ET	\$175.38			
1-3/4	3/4	0.964	7/16	3	INCB-1750-ET	\$180.92			
1-13/16	3/4	1.026	7/16	3	INCB-1812-ET	\$180.92			
1-7/8	3/4	1.089	7/16	3	INCB-1875-ET	\$203.08			
1-15/16	3/4	1.152	7/16	3	INCB-1938-ET	\$203.08			
2	1	1.214	7/16	3	INCB-2000-ET	\$207.69			

INSERTS

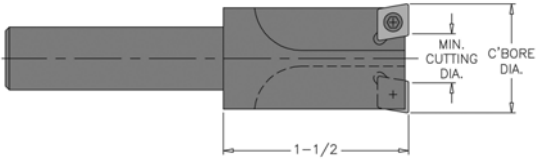
Insert Reference	IC	T	Radius	Grade	Part Number	Price Each
TPGH-2_ _	0.25	0.094	0.007	TL120	TPGH207TL120-ET	\$7.92
TPGH-2_ _	0.25	0.094	0.015	TL120	TPGH215TL120-ET	\$7.92
TPGH-2_ _	0.25	0.094	0.015	TL120	TPGH231TL120-ET	\$7.92
TPGH-2_ _	0.25	0.094	0.007	CV6	TPGH207CV6-ET	\$7.50
TPGH-2_ _	0.25	0.094	0.015	CV6	TPGH215CV6-ET	\$7.50
TPGH-2_ _	0.25	0.094	0.015	CV6	TPGH231CV6-ET	\$7.50
TPGH-2_ _	0.25	0.094	0.007	CS2	TPGH207CS2-ET	\$6.88
TPGH-2_ _	0.25	0.094	0.015	CS2	TPGH215CS2-ET	\$6.88
TPGH-2_ _	0.25	0.094	0.015	CS2	TPGH231CS2-ET	\$6.88

INSERT GRADE INFORMATION

Grade	Coating	Application
CS2	Uncoated	Aluminum, Non Ferrous
CV6	TiN	Steels, Cast Iron
TL120	TiAlN	Super Alloys, Stainless

INDEXABLE INSERT PILOTLESS COUNTERBORES

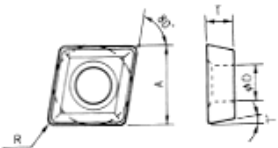
- 2 flute design
- All tools feature 1/2" shank
- OAL: 3.2"
- Inserts sold separately



Counterbore Dia.	Min. Cutting Dia.	Part Number	Price Each	Insert Reference	Screw	Torx Wrench
5/8	0.148	INCB-625S-ET	\$110.77	CCMT-215	19035 \$2.75 each (sold in packages of 10)	19552 \$4.25 each
11/16	0.211	INCB-688S-ET	\$110.77			
3/4	0.273	INCB-750S-ET	\$110.77			
13/16	0.335	INCB-812S-ET	\$110.77			
7/8	0.398	INCB-875S-ET	\$110.77			
15/16	0.461	INCB-938S-ET	\$110.77			

INSERTS

Insert Reference	I.C.	T	R	Grade	Coating	Application	Part Number	Price Each
CCMT215	0.250	0.094	0.008	T6030	Tin	Stainless	TO-4917	\$4.44
CCMT215	0.250	0.094	0.008	T9025	Tin	Steels	TO-3500	\$4.60
CCMT215	0.250	0.094	0.016	CV6	Tin	Steels, Cast Iron	ET-4917	\$6.54
CCMT215	0.250	0.094	0.016	CS2	Uncoated	Aluminum	ET-3500	\$5.58
CCMT215	0.250	0.094	0.016	AH120	TiAlN	Super Alloys, Steels, Stainless	TO-3806	\$4.44
CCMT215	0.250	0.094	0.031	AH120	TiAlN	Super Alloys, Steels, Stainless	TO-3817	\$4.44



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