



**American National Carbide**

*Innovation. Performance. Value.*

## **Oil & Gas Products**



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ANC is a proven leader in the manufacture of carbide components and materials used in the energy, mining, and construction industries. These products are offered in a full complement of grades specifically designed for the tough demands of these applications. Short production lead times, quality-focused manufacturing processes, and flexibility in new product design and tooling production make ANC a preferred choice for strategic partnerships.

### **Profile Compacts**

ANC offers a wide variety of profile compacts for use in rotary and percussion type bits for the oil and gas and mining industries. Available designs include chisels, wedge crested chisels, wing tips, single conicals, double conicals, parabolics, multiple domed, and ovoids. Whether you're drilling in soft, medium-hard, or hard formations, ANC has a product to fit your application.

### **Gage and Wear Protection Compacts and Stabilizers**

Recognized as an industry leader in downhole stabilization and wear, ANC offers a broad line of engineered products designed for maximum impact and wear resistance. The ability of gage protection compacts and stabilizing inserts to withstand the damaging forces of drilling operations is crucial, and ANC offers these products in a variety of wear-resistant grades designed to optimize performance and prolong the life of the drilling bit.

### **Geophysical / Drag Bit Inserts**

ANC's line of inserts for geophysical testing, water well drilling, and drag bits is among the broadest in the industry. ANC stocks a large variety of symmetrical and asymmetrical apex, gage blanks, and wing style inserts in wear-resistant grades formulated specifically for the tough operating environment of these applications, and our proprietary finishing process enhances brazeability.

### **Fluid Nozzles**

ANC manufactures standard and made-to-order non-threaded fluid nozzles compatible with a wide range of industry-standard bits and hole opening tools. Tough, wear and heat resistant carbide grades complement solid designs to make ANC's line of nozzles second to none.

### **Centrifuge Conveyor Tiles**

ANC offers popular styles of wear inserts for solid discharge/centrifuge applications. Manufactured in a wear and corrosion resistant grade, carbide tiles are offered independently or brazed to a stainless steel backer ready for installation on the centrifuge conveyor.

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As a vertically integrated company, ANC controls each of its manufacturing processes from powder to finished product. Using advanced quality assurance methods and continuous improvement throughout the facility guarantees that each product meets a customer's exact specifications.

Short production lead times, quality-focused manufacturing processes, and flexibility in new product design and tooling production make ANC a preferred choice for strategic partnerships. With all products made to ANC's ISO-compliant quality system and offered at value pricing, ANC truly delivers carbide value.

*Call our Customer Service and Support line today to see how ANC can improve your bottom line.*



## Grade Information

Grade	Cobalt %	Grain Size	Hardness (Ra)	T.R.S. (p.s.i.)	Product / Application
<b>AN2</b>	6	Fine	92.0	330,000	Rectangular stabilizer inserts
<b>AN106</b>	6	Medium / Coarse	90.2	350,000	Ovoid inserts for percussion and hammer bits
<b>AN106M</b>	6	Medium	90.9	350,000	Ovoid inserts for percussion and hammer bits
<b>AN108M</b>	8	Medium	90.0	360,000	Conical and ovoid inserts for rotary cone, percussion and hammer bits
<b>AN110C</b>	10	Coarse	87.8	420,000	Chisel, ballistic and conical inserts for rotary cone bits
<b>AN1010</b>	10	Medium / Coarse	88.3	420,000	Roller reamers, stabilizers and inserts for geophysical / drag bits
<b>AN110</b>	10	Medium / Coarse	88.5	445,000	Chisel, ballistic and conical inserts for rotary cone bits
<b>AN110N</b>	10 (nickel)	Fine / Medium	90.5	350,000	Non-magnetic grade for wear protection inserts
<b>AN110M</b>	10.25	Medium	89.0	435,000	Chisel, ballistic and conical inserts for rotary cone bits
<b>AN1010M</b>	10	Medium	89.5	435,000	Roller reamers, stabilizers and inserts for geophysical / drag bits
<b>AN111M</b>	11	Medium	88.8	430,000	Chisel, ballistic and conical inserts for rotary cone bits
<b>AN1012C</b>	12	Coarse	87.0	430,000	Inserts for geophysical / drag bits
<b>AN1012</b>	12	Medium / Coarse	87.4	420,000	Inserts for geophysical / drag bits and gage protection
<b>AN1012M</b>	12	Medium	88.0	425,000	Inserts for geophysical / drag bits
<b>AN113</b>	13	Medium	88.2	430,000	Ballistic and chisel inserts for rotary cone bits, PDC substrates
<b>AN1015</b>	15	Medium / Coarse	86.8	440,000	PDC substrates
<b>AN1015M</b>	15	Medium	87.4	435,000	PDC substrates
<b>AN1016</b>	16	Medium / Coarse	86.4	430,000	PDC substrates
<b>AN116M</b>	16	Medium	86.7	450,000	Ballistic and chisel inserts for rotary cone bits, PDC substrates
<b>AN1017</b>	17	Medium / Coarse	86.0	415,000	PDC substrates

Grade Dynamics Chart		...these are affected like this:				
		Cobalt %	Grain Size	Wear Resistance	Hardness	Toughness
As these increase...	Cobalt %	-	No relation	▼	▼	▲
	Grain Size	No relation	-	▼	▼	▲
	Wear Resistance	▼	▼	-	▲	▼
	Hardness	▼	▼	▲	-	▼
	Toughness	▲	▲	▼	▼	-

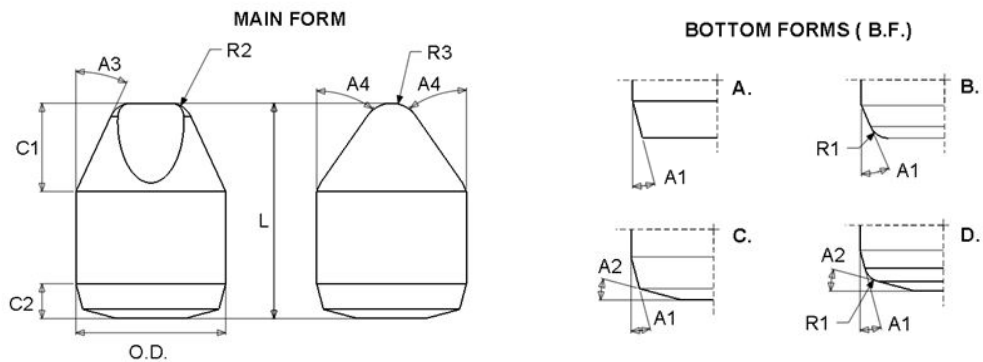


Profile compacts are used in rotary cone and percussive bits to drill through all types of rock formations. Choosing the right product for a particular drilling operation depends on the compressive strength and silica content of the type of formation being drilled, the direction of the drilling, whether any rock joints or fractures exist, and other factors. While ANC offers several styles of profile compacts made in grades specifically designed for use in particular types of formations, we are also able to manufacture to customer specifications. The information below may be used a guideline for choosing a product.

Rock Formation	Formation Examples	Insert Extension Shape	Extension Length	Suggested Cobalt % of Grade
Soft to Medium	Anhydrites, soft limestones, sands, dolomites, firm shales, mudstone	Chisel, scoop chisel	Long	10-16
Medium	Sands, shales, salts, gumbo, clays	Ballistic	Medium/Long	10-13
Medium/Hard to Hard	Dolomites, hard limestones, hard sandy shales, marble	Conical, double conical	Medium	8-10
Hard to Very Hard	Sandy shales, dolomites	Ballistic	Medium/Short	6-8
Very Hard	Basalt, quartzite, granite, cherts, quartzitic sands, taconite	Ovoid	Short	6

**Chisel**

For high penetration rates in soft formations using rotary cone bits



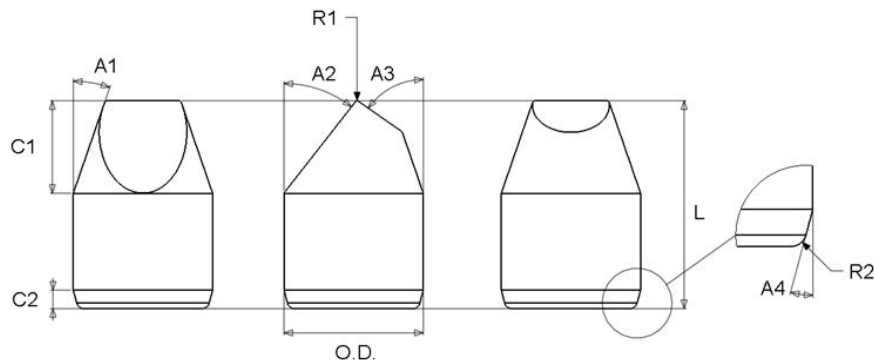
Part Number	Dimensions (inches)											
	Main Form								Bottom Form			
	O.D.	L	C1	C2	A3	A4	R2	R3	TYPE	A1	A2	R1
M17752	.1900	.312	.089	.041	25°	43°	.029	.038	D	15°	15°	.010
CHZ1/4X350D1	.2530	.350	.115	.040	33°	45°	.031	.047	B	15°	-	.020
CHZ1/4X350D2	.2550	.350	.115	.040	33°	45°	.031	.047	B	15°	-	.020
CHZ1/4X350D3	.2570	.350	.115	.040	33°	45°	.031	.047	B	15°	-	.020
M17183	.2580	.379	.188	.060	31°	45°	.038	.050	C	15°	15°	-
CHZ1/4X350D4	.2590	.350	.115	.040	33°	45°	.031	.047	B	15°	-	.020
M17305	.2600	.366	.150	.059	25°	35°	.098	.050	C	15°	15°	-
M17274	.2610	.295	.118	.060	31°	45°	.038	.050	C	15°	15°	-
M17302	.2610	.318	.188	.060	31°	45°	.038	.050	C	15°	15°	-
CHZ516X410RBD1	.3150	.410	.155	.050	20°	34°	.050	.100	B	15°	-	.020
M17103D1	.3160	.456	.206	.079	20°	35°	.094	.094	C	15°	15°	-
CHZ516X410RBD2	.3170	.410	.155	.050	20°	34°	.050	.100	B	15°	-	.020
M17103D4	.3170	.456	.206	.079	20°	35°	.094	.094	C	15°	15°	-
CHZ516X410RBD3	.3190	.410	.155	.050	20°	34°	.050	.100	B	15°	-	.020
M17103D2	.3190	.456	.206	.079	20°	35°	.094	.094	C	15°	15°	-
M17301	.3210	.356	.156	.078	20°	35°	.094	.094	C	15°	15°	-
CHZ516X410RBD4	.3210	.410	.155	.050	20°	34°	.050	.100	B	15°	-	.020
M17103D3	.3210	.456	.206	.079	20°	35°	.094	.094	C	15°	15°	-
M17103	.3230	.456	.206	.079	20°	35°	.094	.094	C	15°	15°	-
M17788	.3700	.455	.170	.054	25°	45°	.125	.094	C	15°	15°	-

Continued on next page



Chisel (continued)	Part Number	Dimensions (inches)											
		Main Form								Bottom Form			
		O.D.	L	C1	C2	A3	A4	R2	R3	TYPE	A1	A2	R1
CHZ375X560	.3750	.560	.250	.062	23°	26°	.047	.109	A	15°	-	-	
M17774	.3860	.486	.171	.058	16°	45°	.080	.050	B	15°	-	.015	
M17277	.3860	.491	.217	.082	22°	35°	.060	.090	C	15°	15°	-	
M17276	.3860	.585	.217	.082	22°	35°	.060	.090	C	15°	15°	-	
B10102D1	.4300	.562	.245	.075	20°	35°	.070	.125	C	15°	15°	-	
M17433	.4460	.641	.245	.075	20°	35°	.070	.125	C	15°	15°	-	
B10102	.4480	.562	.245	.075	20°	35°	.070	.125	C	15°	15°	-	
M17633D5	.4940	.740	.271	.100	20°	31°	.075	.160	C	15°	15°	-	
B10134D1	.5040	.622	.284	.129	20°	32°	.125	.156	C	16°	15°	-	
M17633D1	.5040	.740	.271	.100	20°	31°	.075	.160	C	15°	15°	-	
B10134D2	.5050	.622	.284	.129	20°	32°	.125	.150	C	16°	15°	-	
M17663D2	.5050	.740	.271	.100	20°	31°	.075	.160	C	15°	15°	-	
B101034D3	.5060	.622	.284	.129	20°	32°	.125	.156	C	16°	15°	-	
M17633D3	.5060	.740	.271	.100	20°	31°	.075	.160	C	15°	15°	-	
B10134D4	.5070	.622	.284	.129	20°	32°	.125	.156	C	16°	15°	-	
M17633D4	.5070	.740	.271	.100	20°	31°	.075	.160	C	15°	15°	-	
M17633	.5080	.740	.271	.100	20°	31°	.075	.160	C	15°	15°	-	
B10140	.5100	.685	.290	.112	22°	40°	.055	.130	C	15°	15°	-	
B10134	.5130	.622	.284	.129	20°	32°	.125	.156	C	16°	15°	-	
M17196D1	.6230	.910	.440	.096	20°	28°	.125	.156	C	15°	15°	-	
M17196D2	.6250	.910	.440	.096	20°	28°	.125	.156	C	15°	15°	-	
M17196	.6360	.910	.440	.096	20°	28°	.125	.156	C	15°	15°	-	

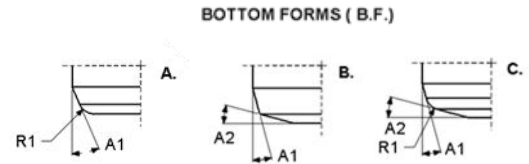
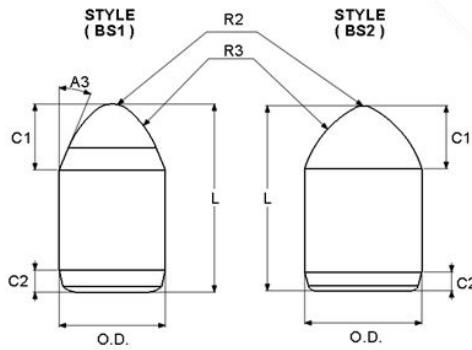
Scoop chisel  For high penetration rates in soft formations using rotary cone bits	Part Number	Dimensions (inches)									
		Main Form								Bottom Form	
		O.D.	L	C1	C2	A1	A2	A3	R1	A4	R2
CHZ3775X562MOD	.3775	.562	.250	.050	19°	38°	55°	.005	15°	.020	
CHZ4375X650MOD	.4375	.625	.250	.055	19°	38°	55°	.005	15°	.020	
M17670	.5030	.852	.313	.064	12°	25°	60°	.015	15°	.050	





**Ballistic**

For medium-hard formations in rotary cone and percussion bits

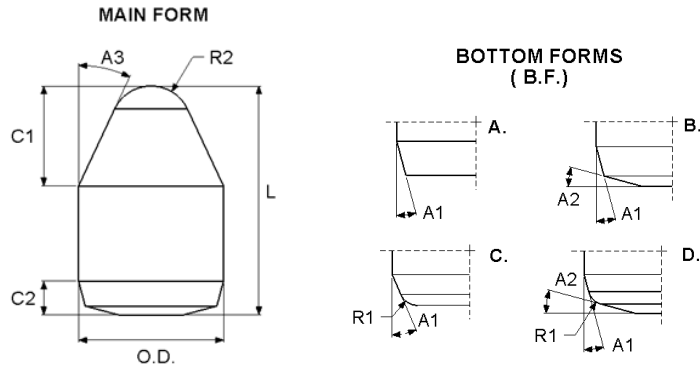


Part Number	Dimensions (inches)											
	Main Form								Bottom Form			
	O.D.	L	C1	C2	A3	R2	R3	STYLE	TYPE	A1	A2	R1
M17546D1	.3770	.605	.206	.061	-	.050	.342	BS2	A	15°	-	.021
M17536D2	.3772	.663	.232	.078	22°	.088	.354	BS1	A	14°	-	.075
M17546D2	.3780	.605	.206	.610	-	.050	.342	BS2	A	15°	-	.021
M17536D4	.3782	.663	.232	.078	22°	.088	.354	BS1	A	14°	-	.075
M17536D5	.3783	.663	.232	.078	22°	.088	.354	BS1	A	14°	-	.075
M17659D1	.3795	.625	.232	.078	22°	.088	.354	BS1	A	14°	-	.075
M17536D1	.3800	.663	.232	.078	22°	.088	.354	BS1	A	14°	-	.075
M17702D1	.3810	.625	.206	.061	-	.050	.342	BS2	A	15°	-	.021
M17659	.3830	.625	.232	.078	22°	.088	.354	BS1	A	14°	-	.075
M17536D2	.3830	.663	.232	.078	22°	.088	.354	BS1	A	14°	-	.075
M17546D3	.3870	.605	.206	.061	-	.050	.342	BS2	A	15°	-	.021
M17546	.3900	.605	.206	.061	-	.050	.342	BS2	A	15°	-	.021
M17702	.3900	.625	.206	.061	-	.050	.342	BS2	A	15°	-	.021
M17644D1	.4360	.528	.200	.075	-	.100	.300	BS2	B	15°	15°	-
M17644D2	.4375	.528	.200	.075	-	.100	.300	BS2	B	15°	15°	-
M17644D3	.4385	.528	.200	.075	-	.100	.300	BS2	B	15°	15°	-
M17644D4	.4395	.528	.200	.075	-	.100	.300	BS2	B	15°	15°	-
M17644D5	.4405	.528	.200	.075	-	.100	.300	BS2	B	15°	15°	-
M17644D6	.4420	.528	.200	.075	-	.100	.300	BS2	B	15°	15°	-
M17525D1	.4440	.874	.295	.061	22°	.109	.433	BS1	A	15°	-	.075
M17644	.4460	.528	.200	.075	-	.100	.300	BS2	B	15°	15°	-
M17525D1	.4460	.874	.295	.061	22°	.109	.433	BS1	A	15°	-	.075
M17544D4	.5000	.873	.335	.108	22°	.128	.512	BS1	A	18°	-	.076
M17547D3	.5000	.850	.313	.100	-	.125	.531	BS2	A	15°	-	.075
M17547D1	.5020	.850	.313	.100	-	.125	.531	BS2	A	15°	-	.075
M17544D5	.5022	.873	.335	.108	22°	.128	.512	BS1	A	18°	-	.760
M17517D1	.5027	.913	.335	.108	22°	.128	.512	BS1	A	18°	-	.076
M17547D2	.5030	.850	.313	.100	-	.125	.531	BS2	A	15°	-	.075
M17759	.5030	.875	.340	.097	23°	.125	.550	BS1	C	15°	15°	.015
M17517D3	.5037	.913	.335	.108	22°	.128	.512	BS1	A	18°	-	.076
M17544D1	.5040	.873	.335	.108	22°	.128	.512	BS1	A	18°	-	.076
M17701D1	.5050	.820	.313	.100	-	.125	.531	BS2	A	15°	-	.075
M17544D2	.5060	.873	.335	.108	22°	.128	.512	BS1	A	18°	-	.076
M17701	.5080	.820	.313	.100	-	.125	.531	BS2	A	15°	-	.075
M17547	.5080	.850	.313	.100	-	.125	.531	BS2	A	15°	-	.075
M17544D3	.5080	.873	.335	.108	22°	.128	.512	BS1	A	18°	-	.076
M17517	.5080	.913	.335	.108	22°	.128	.512	BS1	A	18°	-	.076
M17757	.5655	.793	.350	.090	-	.094	.512	BS2	C	15°	15°	.020



**Conical**

For medium-hard formations in rotary cone and percussion bits



Part Number	Dimensions (inches)									
	Main Form						Bottom Form			
	O.D.	L	C1	C2	A3	R2	TYPE	A1	A2	R1
M17628D5	.1880	.235	.109	.033	30°	.063	C	23°	-	.020
M17753	.1900	.210	.069	.041	35°	.090	D	15°	15°	.010
M17628D1	.1900	.235	.109	.033	30°	.063	C	23°	-	.020
M17628D2	.1910	.235	.109	.033	30°	.063	C	23°	-	.020
M17628D3	.1920	.235	.109	.033	30°	.063	C	23°	-	.020
M17628D4	.1930	.235	.109	.033	30°	.063	C	23°	-	.020
M17628	.2000	.235	.109	.033	30°	.063	C	23°	-	.020
M17520D1	.2515	.320	.130	.071	30°	.094	B	15°	15°	-
M17651D1	.2515	.350	.130	.047	30°	.094	A	15°	-	-
M17520D2	.2530	.320	.130	.071	30°	.094	B	15°	15°	-
M17651D2	.2530	.350	.130	.047	30°	.094	A	15°	-	-
CONC1/4X360D1	.2530	.360	.125	.040	30°	.094	C	15°	-	.020
M17520D3	.2550	.320	.130	.071	30°	.094	B	15°	15°	-
M17651D3	.2550	.350	.130	.047	30°	.094	A	15°	-	-
CONC1/4X360D2	.2550	.360	.125	.040	30°	.094	C	15°	-	.020
M17520D4	.2570	.320	.130	.071	30°	.094	B	15°	15°	-
CONC1/4X360D3	.2570	.360	.125	.040	30°	.094	C	15°	-	.020
M17520	.2580	.320	.130	.071	30°	.094	B	15°	15°	-
M17651	.2580	.350	.130	.047	30°	.094	A	15°	-	-
M17723	.2580	.400	.175	.059	25°	.070	B	15°	15°	-
CONC1/4X360D4	.2590	.360	.125	.040	30°	.094	C	15°	-	.020
M17651D4	.2605	.350	.130	.047	30°	.094	A	15°	-	-
M17684D1	.3140	.450	.226	.068	21°	.109	D	15°	15°	.031
M17523D2	.3150	.503	.155	.093	36°	.100	D	15°	15°	.003
M17523D3	.3153	.503	.155	.093	36°	.100	D	15°	15°	.003
M17523D1	.3160	.503	.155	.093	36°	.100	D	15°	15°	.003
M17638D1	.3170	.400	.149	.068	36°	.100	B	15°	15°	-
M17523D5	.3180	.503	.155	.093	36°	.100	D	15°	15°	.003
M17523D4	.3183	.503	.155	.093	36°	.100	D	15°	15°	.003
M17638D2	.3190	.400	.149	.068	36°	.100	B	15°	15°	-
M17638D3	.3210	.400	.149	.068	36°	.100	B	15°	15°	-
M17638	.3260	.400	.149	.068	36°	.100	B	15°	15°	-
M17684	.3290	.450	.226	.068	21°	.109	D	15°	15°	.031
M17523	.3360	.503	.155	.093	36°	.100	D	15°	15°	.003
M17505D5	.3768	.605	.189	.061	36°	.100	C	15°	-	.021

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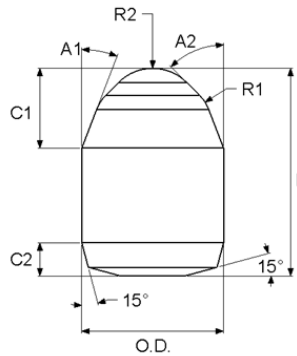


Conical (continued)	Part Number	Dimensions (inches)								
		Main Form						Bottom Form		
		O.D.	L	C1	C2	A3	R2	TYPE	A1	A2
M17505D2	.3770	.605	.189	.061	36°	.100	C	15°	-	.021
M17505D3	.3783	.605	.189	.061	36°	.100	C	15°	-	.021
M17187D1	.3790	.504	.226	.082	21°	.148	B	15°	15°	-
M17505D1	.3800	.605	.189	.061	36°	.100	C	15°	-	.021
M17505D4	.3813	.605	.189	.061	36°	.100	C	15°	-	.021
M17436	.3830	.528	.200	.071	25°	.148	B	15°	15°	-
M17685	.3840	.547	.274	.082	21°	.120	B	14°	15°	-
M17715	.3860	.497	.205	.082	25°	.148	B	14°	15°	-
M17187	.3860	.504	.226	.082	21°	.148	B	15°	15°	-
M17505	.3880	.605	.189	.061	36°	.100	C	15°	-	.021
M17643D1	.4360	.612	.265	.075	17°	.184	B	15°	15°	-
M17643D2	.4375	.612	.265	.075	17°	.184	B	15°	15°	-
M17643D3	.4385	.612	.265	.075	17°	.184	B	15°	15°	-
M17643D4	.4395	.612	.265	.075	17°	.184	B	15°	15°	-
M17643D5	.4405	.612	.265	.075	17°	.184	B	15°	15°	-
M17643D6	.4415	.612	.265	.075	17°	.184	b	15°	15°	-
M17582-1	.4420	.531	.265	.075	17°	.184	b	15°	15°	-
M17643D7	.4425	.612	.265	.075	17°	.184	B	15°	15°	-
M17643D8	.4435	.612	.265	.075	17°	.184	B	15°	15°	-
M17582-2	.4440	.531	.265	.075	17°	.184	B	15°	15°	-
M17643D9	.4445	.612	.265	.075	17°	.184	B	15°	15°	-
M17582-3	.4460	.531	.265	.075	17°	.184	B	15°	15°	-
M17643D10	.4460	.612	.265	.075	17°	.184	B	15°	15°	-
M17686	.4520	.590	.300	.104	15°	.184	B	15°	15°	-
M17689	.4520	.622	.303	.104	27°	.109	B	15°	15°	-
M17365	.5090	.679	.281	.111	30°	.153	B	18°	15°	-
M17692	.5090	.685	.325	.111	21°	.182	B	18°	15°	-
M17722	.5090	.685	.326	.111	27°	.133	B	18°	15°	-
M17691	.5100	.704	.322	.111	26°	.133	B	18°	15°	-
M17776	.5130	.655	.281	.101	26°	.185	C	16°	-	.015
M17716	.5730	.629	.309	.081	25°	.218	B	15°	15°	-
M17717	.5730	.734	.345	.081	27°	.175	B	15°	15°	-
M17719	.5730	.875	.430	.081	21°	.172	B	15°	15°	-
M17773	.5740	.669	.375	.083	26°	.155	C	18°	-	.015
M17777	.5740	.716	.324	.082	23°	.220	C	18°	-	.015
M17362D1	.6294	1.050	.350	.100	31°	.188	C	15°	-	.075
M17362	.6330	1.055	.350	.100	31°	.188	C	15°	-	.075
M17771	.6360	.7680	.442	.058	27°	.145	C	15°	-	.015
M17778	.6360	.8770	.437	.058	21°	.213	C	15°	-	.015
M17721	.6360	.9100	.416	.085	15°	.264	B	15°	15°	-
M17711	.7581	1.186	.596	.069	27°	.118	C	15°	-	.020
M17710	.7639	1.186	.607	.089	27°	.118	C	15°	-	.020
M17661D1	.7650	1.000	.541	.050	21°	.250	C	15°	-	.020
M17661	.7670	1.000	.541	.050	21°	.250	C	15°	-	.020
CONC814X11125	.8145	1.112	.430	.129	28°	.313	B	15°	20°	-



**Double conical**

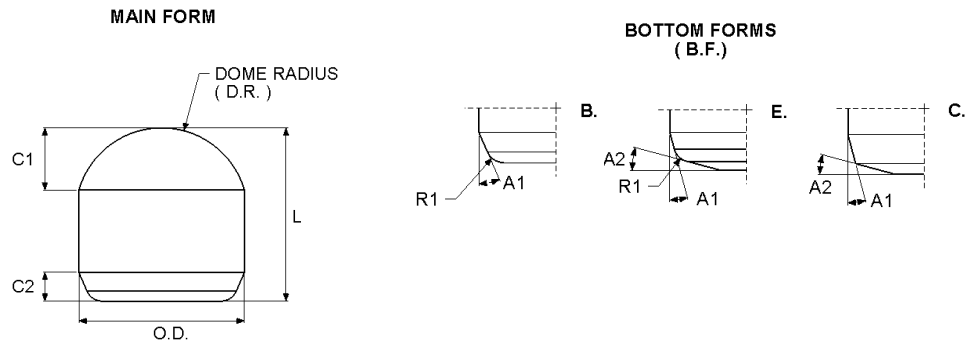
For medium-hard formations in rotary cone bits



Part Number	Dimensions (inches)							
	Main Form							
	O.D.	L	C1	C2	A1	A2	R1	R2
M17383	.3210	.384	.122	.078	30°	75°	.062	.062
M17163	.4520	.650	.250	.104	21°	45°	.125	.150
M17290	.5130	.660	.281	.131	20°	45°	.125	.185

**Ovoid**

For very hard formations in percussion and rotary cone bits



Part Number	Dimensions (inches)							
	Main Form					Bottom Form		
	O.D.	L	C1	C2	D.R.	TYPE	A1	R1
M17678	.4720	.787	.157	.092	.256	B	15°	.076
503012RB	.5030	.750	.173	.069	.266	B	15°	.076
562512RB	.5625	.750	.202	.082	.297	B	15°	.040
M17727D1	.5625	.750	.210	.114	.297	E	15°	.020
564016RB	.5640	1.000	.204	.085	.297	B	15°	.040
M17727D1	.5760	.750	.210	.114	.297	E	15°	.020
627015RB	.6270	.937	.232	.085	.328	B	15°	.075
628014RB	.6280	.875	.233	.062	.328	B	15°	.075
63015RB	.6300	.937	.237	.090	.328	B	15°	.075
632515RB	.6325	.937	.241	.095	.328	B	15°	.075
633015RB	.6330	.937	.242	.096	.328	B	15°	.075
634015RB	.6340	.937	.244	.098	.328	B	15°	.075
63501RB	.6350	.937	.246	.100	.328	B	15°	.075
636013RB	.6360	.812	.246	.110	.328	B	15°	.075
642015RBD3	.6360	.938	.243	.099	.334	B	15°	.076
642015RBD2	.6370	.938	.243	.099	.334	B	15°	.076
638015RB	.6380	.937	.252	.105	.328	B	15°	.075
639015RB	.6390	.937	.254	.107	.328	B	15°	.075

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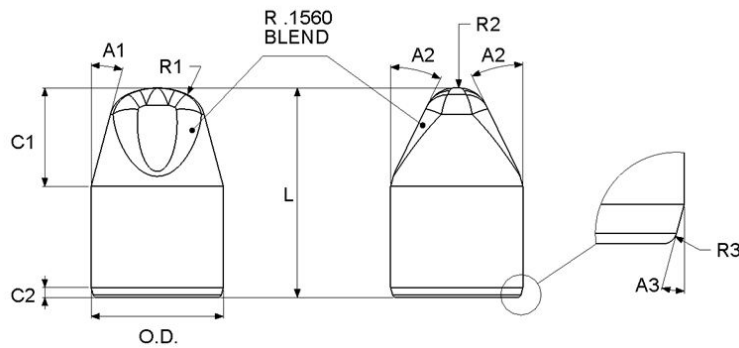


**Ovoid  
(continued)**

Part Number	Dimensions (inches)							
	Main Form					Bottom Form		
	O.D.	L	C1	C2	D.R.	TYPE	A1	R1
642015RBD1	.6420	.938	.243	.099	.334	B	15°	.076
7120X945RBD1	.7120	.945	.270	.100	.371	B	15°	.075
7120X945RB	.7220	.945	.270	.100	.371	B	15°	.075
M17558D1	.7480	1.181	.275	.091	.391	B	15°	.075
750X760RBD1	.7500	.760	.293	.113	.391	B	15°	.075
751017RB	.7510	1.062	.282	.087	.391	B	15°	.075
753018RB	.7530	1.125	.286	.096	.391	B	15°	.075
754017RB	.7540	1.062	.287	.096	.391	B	15°	.075
755014RBD1	.7550	.875	.303	.100	.391	B	15°	.075
755017RBD1	.7550	1.062	.295	.100	.391	B	15°	.075
757017RB	.7570	1.062	.293	.098	.391	B	15°	.075
758017RB	.7580	1.062	.295	.100	.391	B	15°	.075
M17558	.7580	1.180	.275	.091	.391	B	15°	.075
760017RB	.7600	1.062	.291	.107	.391	B	15°	.075
7500X760RB	.7670	.760	.293	.113	.391	B	15°	.075
755017RBD1	.7680	1.062	.295	.100	.391	B	15°	.075
770017RB	.7700	1.063	.323	.113	.391	C	15°	.075
755014RB	.7720	.875	.303	.100	.391	B	15°	.075

**Modified  
chisel**

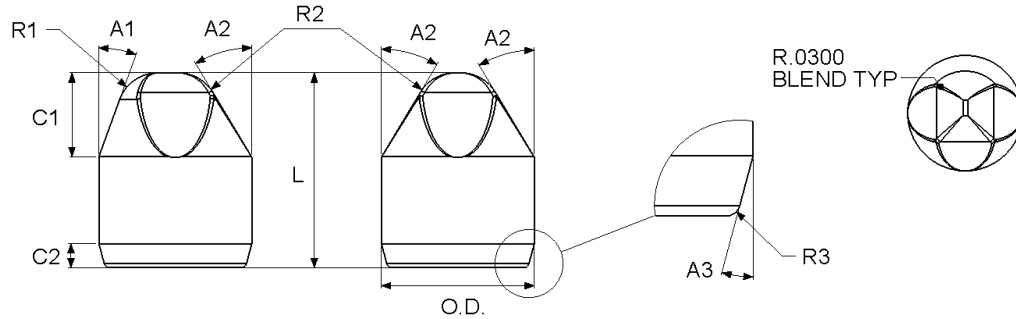
For high penetration rates in soft formations using rotary cone bits



Part Number	Dimensions (inches)									
	Main Form							Bottom Form		
	O.D.	L	C1	C2	A1	A2	R1	R2	A3	R3
CHZ750X1187	.7500	1.187	.558	.056	15°	26°	.172	.172	15°	.020
CHZ770X1187	.7700	1.187	.558	.056	15°	26°	.172	.172	15°	.020

**Wedge-crested chisel**

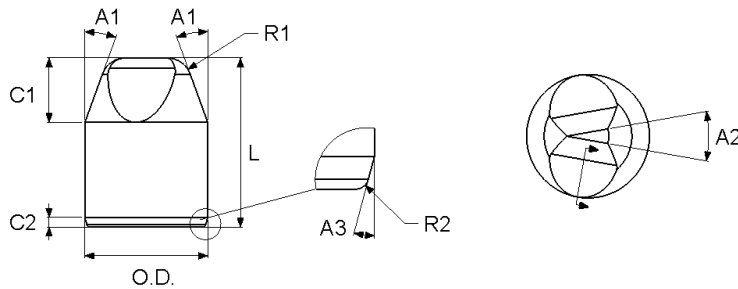
For use on the outer (gage) row of rotary cone bits



Part Number	Dimensions (inches)									
	Main Form								Bottom Form	
	O.D.	L	C1	C2	A1	A2	R1	R2	A3	R3
CHZ568X723	.5680	.723	.311	.089	20°	31°	.150	.150	15°	.021

**Wedge-crested offset chisel**

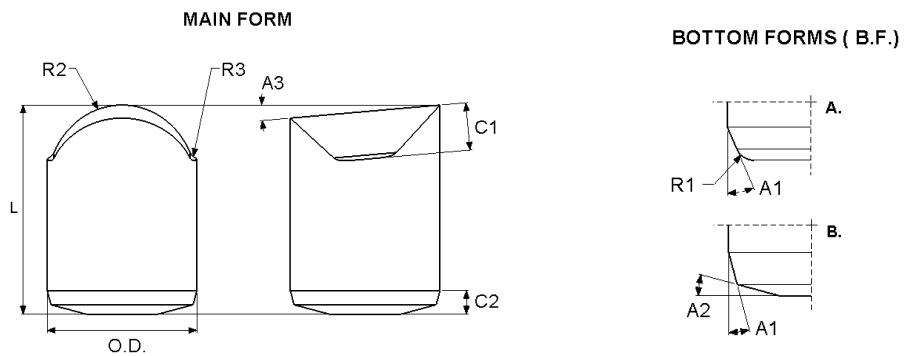
For use on the outer (gage) row of rotary cone bits



Part Number	Dimension (inches)									
	Main Form								Bottom Form	
	O.D.	L	C1	C2	A1	A2	R1	A3	R2	
B1728	.6282	.863	.329	.050	20°	20°	.125	35°	.020	

**Wing-tip chisel**

For raised bore drilling



Part Number	Dimensions (inches)										
	Main Form							Bottom Form			
	O.D.	L	C1	C2	A3	R2	R3	TYPE	A1	A2	R1
CHZ3775X487M	.3775	.487	.400	.0790	5°	.2190	.020	A	15°	-	.030
CHZ24375X612	.4375	.612	.139	.0690	5°	.2187	.020	B	15°	15°	-

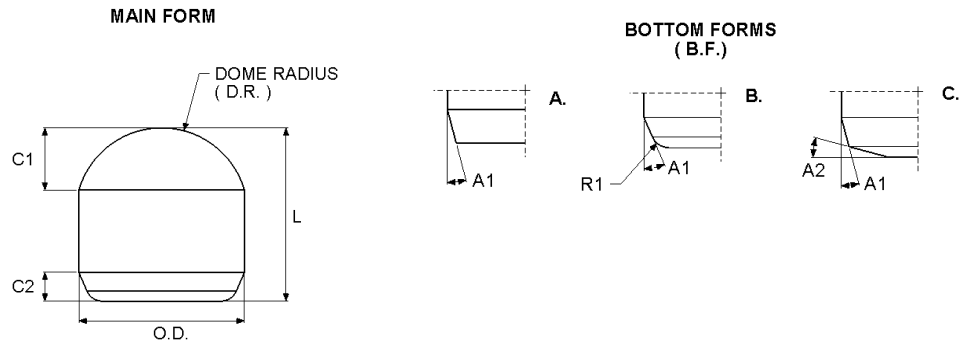


## Gage and Wear Protection Compacts and Stabilizers

All gage and wear protection compacts and stabilizer inserts are produced in our standard grade, AN1010, which exhibits a good balance of the wear resistance and toughness essential for reducing wear on friction-heavy gage surfaces of rotary cone and diamond bits. ANC offers a wide selection of styles and sizes of these products, which are available from inventory in our standard grade or can be made in a number of other grades to suit special applications.

### Gage and wear protection compacts – ovoid

For use on roller reamers or other downhole tools where domed gage protection is needed

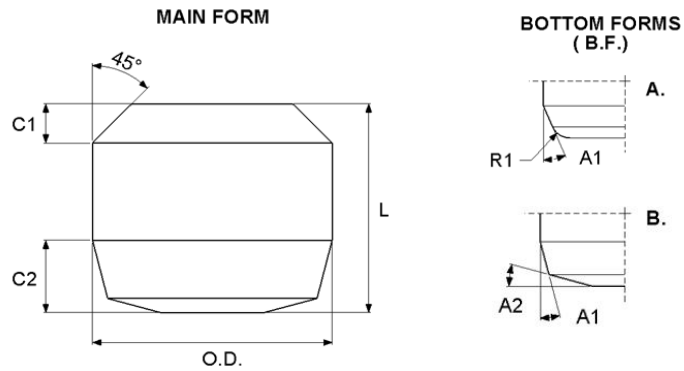


Part Number	Dimensions (inches)								
	Main Form					Bottom Form			
	O.D.	L	C1	C2	D.R.	TYPE	A1	A2	R1
M17521D2	.1900	.205	.074	.034	.102	B	23°	-	.020
M17521D1	.1915	.205	.074	.034	.102	B	23°	-	.020
M17521	.2020	.205	.074	.034	.102	B	23°	-	.020
M171821D1	.2500	.338	.081	.060	.141	C	15°	15°	-
M17545D6	.2510	.310	.076	.060	.141	C	15°	15°	-
M17545D1	.2515	.310	.076	.060	.141	C	15°	15°	-
M17303D2	.2520	.256	.083	.076	.141	C	15°	15°	-
M17545D2	.2530	.310	.076	.060	.141	C	15°	15°	-
M17645D1	.2535	.478	.076	.031	.141	A	45°	-	-
M17303D3	.2540	.256	.083	.076	.141	C	15°	15°	-
M17545D3	.2550	.310	.076	.060	.141	C	15°	15°	-
M17545D5	.2555	.310	.076	.060	.141	C	15°	15°	-
M17303D1	.2560	.256	.083	.076	.141	C	15°	15°	-
M17545D4	.2570	.310	.076	.060	.141	C	15°	15°	-
M17545	.2580	.310	.076	.060	.141	C	15°	15°	-
M17182	.2610	.338	.081	.060	.140	C	15°	15°	-
M17698	.2630	.248	.048	.076	.196	C	15°	15°	-
M17303	.2630	.256	.083	.076	.141	C	15°	15°	-
M17775	.2630	.266	.084	.055	.140	B	15°	-	.010
3816RB	.3810	.375	.133	.065	.203	B	15°	-	.020
M17275	.3850	.400	.129	.082	.203	C	15°	15°	-
M17728	.3880	.633	.156	.083	.194	C	15°	15°	-
M17737	.3950	.299	.145	.059	.203	B	15°	-	.008
M17738D1	.4390	.351	.162	.062	.235	B	15°	-	.010
4448RB	.4440	.500	.160	.089	.234	B	15°	-	.020
M17738D1	.4550	.351	.162	.062	.235	B	15°	-	.010
M17402	.5080	.542	.177	.076	.271	C	15°	15°	-
M17625	.0580	.585	.187	.105	.266	C	15°	15°	-
M17624	.0580	.614	.180	.105	.266	C	15°	15°	-
5698RB	.5690	.500	.212	.094	.297	B	15°	-	.040



# Gage and Wear Protection Compacts and Stabilizers

**Gage and wear protection compacts – flat**

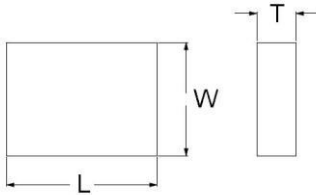


Part Number	Dimensions (inches)							
	Main Form				Bottom Form			
	O.D.	L	C1	C2	TYPE	A1	A2	R1
M17767	.1580	.175	.010	.035	A	15°	-	.020
GAGE190X156D1	.1900	.156	.019	.036	A	15°	-	.020
M17084D1	.1900	.186	.020	.062	B	15°	15°	-
GAGE190X156D2	.1920	.156	.019	.036	A	15°	-	.020
M17084D2	.1920	.186	.020	.062	B	15°	15°	-
M17528	.1920	.186	.020	.057	B	15°	15°	-
M17084D3	.1940	.186	.020	.062	B	15°	15°	-
GAGE190X156D3	.1940	.156	.019	.036	A	15°	-	.020
GAGE190X156D4	.1960	.156	.019	.036	A	15°	-	.020
M17084D4	.1960	.186	.020	.062	B	15°	15°	-
M178084D5	.1980	.186	.020	.062	B	15°	15°	-
M17084	.1990	.186	.020	.062	B	15°	15°	-
M17817	.2520	.220	.041	.076	B	15°	15°	-
M17786	.2520	.233	.041	.098	B	15°	15°	-
M17828D4	.2530	.210	.020	.040	A	15°	-	.020
M17437D1	.2540	.219	.000	.076	B	15°	15°	-
M17828D3	.2550	.210	.020	.040	A	15°	-	.020
M17828D2	.2570	.210	.020	.040	A	15°	-	.020
M17828D1	.2590	.210	.020	.040	A	15°	-	.020
M17437	.2630	.219	.000	.076	B	15°	15°	-
B10116	.2630	.219	.041	.076	B	15°	15°	-
B10172D1	.3130	.275	.015	.085	B	15°	14°	-
B10172D2	.3140	.275	.015	.085	B	15°	14°	-
B10172D3	.3150	.275	.015	.085	B	15°	14°	-
B10172D4	.3155	.275	.015	.085	B	15°	14°	-
B10172	.3250	.275	.015	.085	B	15°	14°	-
B10126D1	.3750	.250	.015	.071	B	15°	15°	-
M17751D1	.3790	.350	.025	.066	B	15°	15°	-
B10126	.3830	.250	.015	.071	B	15°	15°	-
M17750D1	.4420	.400	.025	.081	B	15°	15°	-
M17754D1	.4420	.400	.060	.081	B	15°	15°	-
M17703D1	.5000	.245	.000	.086	A	15°	-	.075
M17703	.5120	.245	.000	.086	A	15°	-	.075
M17488	.5710	.275	.015	.132	B	15°	15°	-
M17706	.5760	.437	.029	.060	A	15°	-	.075



## Gage and Wear Protection Compacts and Stabilizers

### Rectangle stabilizer and wear protection inserts

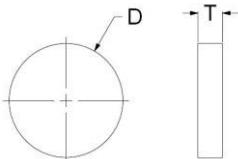


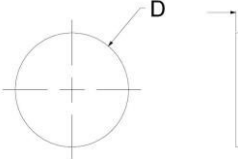


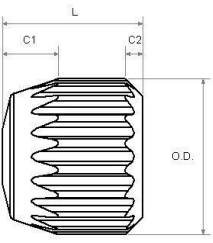
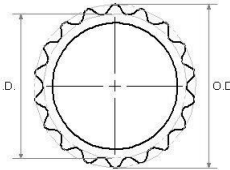

In addition to our standard wear grade, these products are also available in a non-magnetic grade, AN110N, for use in applications where the magnetic properties of standard cobalt-binder grades interfere with gauges and sensors down the hole.



Part Number	Thickness (T)	Width (W)	Length (L)
1030	1/16	1/4	5/16
TILE13X5X2	2 mm	5 mm	13 mm
1070	3/32	1/4	1/2
1080	3/32	5/16	3/8
1090	3/32	3/8	3/8
1100	3/32	3/8	1/2
1120	1/8	1/4	1/2
1130	1/8	1/4	5/8
1140	1/8	1/4	3/4
1150	1/8	5/16	7/16
1160	1/8	5/16	1/2
1170	1/8	5/16	5/8
1180	1/8	3/8	1/2
1190	1/8	3/8	3/4
1200	1/8	1/2	1/2
1210	1/8	1/2	3/4
1213	1/8	5/8	5/8
1215	1/8	3/4	3/4
1216	1/8	3/4	1
TILE13X5X3.2	3.2 mm	5 mm	13 mm
1220	5/32	3/8	9/16
1230	5/32	3/8	3/4
1240	5/32	5/8	5/8
1250	3/16	5/16	7/16
1260	3/16	5/16	5/8
1270	3/16	3/8	1/2
1290	3/16	3/8	3/4
1320	3/16	1/2	1/2
1330	3/16	1/2	3/4
1340	3/16	3/4	3/4
1350	1/4	3/8	9/16
1360	1/4	3/8	3/4
1380	1/4	1/2	3/4
1390	1/4	9/16	1
1400	1/4	5/8	5/8
1405	1/4	3/4	3/4
1410	1/4	3/4	1
1415	1/4	1	1
1440	5/16	1/2	3/4
1450	5/16	1/2	1
1460	5/16	5/8	1
1470	5/16	3/4	3/4
1475	5/16	3/4	1
1490	3/8	1/2	3/4
1500	3/8	1/2	1
1510	3/8	5/8	1
1525	3/8	3/4	1-1/2
1550	1/2	3/4	1-1/2



## Gage and Wear Protection Compacts and Stabilizers

Round wear protection inserts	Part Number	Diameter (D)	Thickness (T)	Model
		DISC240X200	.240	
	M17632	.245	.125	
	DISC370X080	.370	.080	
	DISC370X200	.370	.200	
	M17804	.375	.125	
	M17805	.375	.188	
	M17806	.375	.250	
	M17648D4	.367	.125	
	M17648D5	.367	.133	
	M17648D6	.367	.188	
	M17648D2	.367	.265	
	M17648D1	.367	.290	
	M17648D3	.367	.365	

Serrated stabilizer inserts	Part Number	Dimensions (inches)					Model
		O.D.	I.D.	C1	C2	Length (L)	
 	M17745	.273	.242	.100	.031	1/4	
	M17683	.334	.309	.059	.015	.145	
	M17504	.334	.309	.059	.015	.200	
	M17457	.334	.309	.059	.015	.268	
	M10025	.406	.374	.125	.031	1/4	
	M17697	.406	.374	.125	.023	.305	
	M10040	.406	.374	.103	.031	5/16	
	M10020	.406	.374	.125	.031	3/8	
	M17519	.458	.418	.137	.015	1/4	
	M17642	.458	.418	.137	.015	.348	
	M17649	.458	.418	.137	.015	7/16	
	M17420	.458	.418	.137	.015	.475	
	M17580	.583	.551	.140	.015	1/4	
	M17623	.583	.551	.140	.015	5/16	
	M10038	.583	.551	.139	.015	3/8	
	M10010	.583	.551	.139	.015	1/2	

Trapezoidal stabilizer inserts	Part Number	Dimensions (inches)			Model
		Width	Thick. / Height	Length	
	ANC803	3/8	1/4	1/2	
	ANC804	3/8	1/4	1	
Half-round stabilizer inserts	ANC9228	3/8	1/4	1	

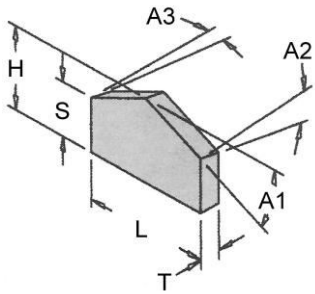




The components for a geophysical / drag bit are determined by the bit manufacturer. All inserts are produced in our standard grade, AN1010, which exhibits a good balance of the wear resistance and toughness essential in cutting softer rocks, sands and clays. This grade also performs well with the shearing action of the bit. ANC offers a wide selection of inserts suitable for building flat, chevron and stepped geophysical / drag bits, which are available from inventory in our standard grade or can be made in a number of other grades to suit special applications.

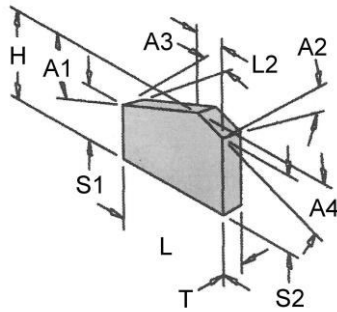
All geophysical / drag bits inserts have a 45° degree chamfer at the base of the non-cutting side to facilitate brazing, unless the part number is italicized. All inserts are finished using our proprietary surface-treatment process for enhanced brazeability.

**Symmetrical apex**



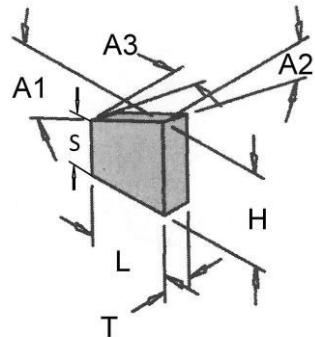
Part Number	Dimensions (inches)						
	Main Form				Angles		
	Length (L)	H	Thick (T)	S	A1	A2	A3
ANC240	1.000	.500	.125	.200	31°	10°	0°
ANC237	1.000	.500	.188	.200	31°	10°	0°
ANC386	1.000	.775	.188	.500	25°	10°	7°
<i>ANC505</i>	1.000	.875	.188	.625	25°	12°	0°
ANC462	1.125	.625	.188	.400	25°	10°	7°
ANC467	1.125	.625	.250	.420	20°	10°	3°
ANC466	1.125	.750	.250	.545	20°	10°	3°
ANC460	1.125	.775	.250	.500	25°	10°	7°
ANC465	1.125	.938	.250	.733	20°	10°	3°
<i>ANC470</i>	1.438	.875	.250	.613	20°	12°	7°
<i>ANC471</i>	1.438	.590	.250	.328	20°	12°	7°

**Asymmetrical apex**



Part Number	Dimensions (inches)									
	Main Form						Angles			
	Length (L)	H	Thick (T)	L2	S1	S2	A1	A2	A3	A4
ANC808	1.000	.675	.188	.250	.312	.577	25°	12°	0°	20°
ANC809	1.000	.675	.250	.250	.312	.577	25°	12°	0°	20°
ANC387	1.000	.700	.188	.250	.400	.675	22°	12°	7°	22°
ANC383	1.000	.775	.188	.250	.475	.675	22°	12°	7°	22°
ANC845	1.000	.788	.200	.250	.485	.687	22°	12°	7°	22°
ANC813	1.000	.875	.188	.250	.500	.750	26°	12°	12°	26°
ANC825	1.250	.775	.188	.250	.375	.675	20.5°	12°	6°	20.5°
ANC843	1.933	1.20	.318	.967	.734	.834	21°	8°	7°	26°

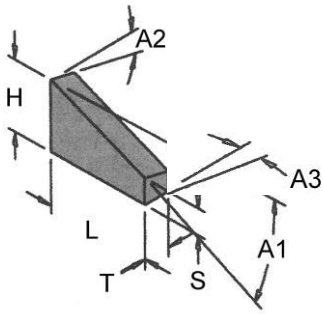
**Wing - right hand**



Part Number	Dimensions (inches)						
	Main Form				Angles		
	Length (L)	H	Thick (T)	S	A1	A2	A3
ANC819	.560	.642	.188	.380	25°	12°	6°
ANC810	.560	.642	.250	.380	25°	12°	6°
ANC815	.687	.642	.188	.320	25°	12°	6°

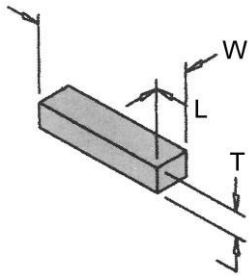


Wing - left hand



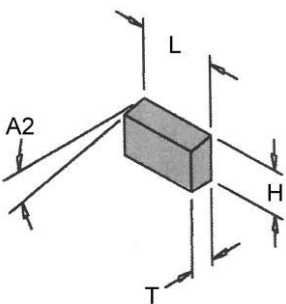
Part Number	Dimensions (inches)						
	Main Form				Angles		
	Length (L)	H	Thick (T)	S	A1	A2	A3
ANC501	.400	.500	.188	.310	25°	12°	0°
ANC820	.560	.642	.188	.380	25°	12°	6°
ANC811	.560	.642	.250	.380	25°	12°	6°
ANC502	.675	.500	.188	.185	25°	12°	0°
ANC816	.687	.642	.188	.320	25°	12°	6°
ANC818	.687	.642	.250	.320	25°	12°	6°
ANC831	.750	.687	.188	.400	21°	12°	0°
ANC503	.875	.500	.188	.090	25°	12°	0°
ANC504	.875	.500	.250	.090	25°	10°	0°
ANC776	.900	.775	.188	.450	20°	0°	0°
ANC777	.900	.775	.250	.450	20°	0°	0°
ANC495	1.000	.625	.125	.050	30°	0°	0°
ANC496	1.000	.625	.156	.050	30°	0°	0°
ANC497	1.000	.625	.188	.050	30°	0°	0°
ANC384	1.000	.675	.188	.250	21.5°	12°	0°
ANC826	1.000	.675	.188	.312	20.5°	12°	0°
ANC385	1.000	.675	.250	.250	21.5°	12°	0°
ANC827	1.000	.675	.250	.312	20.5°	12°	0°
ANC807	1.188	.577	.188	.125	20°	12°	0°
ANC419	1.250	.675	.188	.188	21°	12°	0°
ANC420	1.250	.665	.250	.188	21°	12°	0°

Gage blank - no angle



Part Number	Dimensions (inches)		
	Length (L)	Width (W)	Thick (T)
TWL0010	.312	.250	.125
TWL0004	.750	.500	.125
ANC480	1.000	.250	.125
ANC481	1.000	.250	.188
TWL0014	1.000	.375	.188
TWL0015	1.000	.625	.217
ANC485	2.250	.143	.195

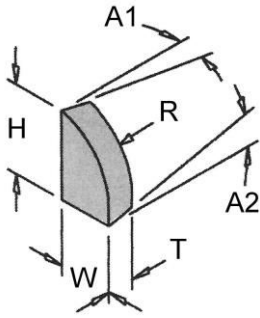
Gage blank - with angle



Part Number	Dimensions (inches)			
	Main Form			Angles
	Length (L)	Height (H)	Thick (T)	A2
ANC814	.273	.525	.147	60°
ANC410	.375	.750	.250	60°
ANC341	.500	.375	.125	12°
ANC340	.500	.375	.188	12°
ANC239	.625	.375	.125	12°
ANC823	.625	.375	.156	12°
ANC238	.625	.375	.188	12°
ANC345	.625	.375	.250	12°
ANC805	.750	.500	.188	11°
ANC802	1.000	.500	.188	11°
ANC828	1.000	.500	.250	11°

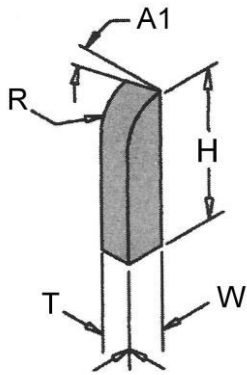


**Gage blank – radiused, left hand or neutral**



Part Number	Dimensions (inches)					
	Main Form			Angles		Radius
	Height (H)	Width (W)	Thick (T)	A1	A2	R
ANC178	.625	.375	.125	12°	0°	.250
ANC179	.625	.375	.188	12°	0°	.250
ANC833	.625	.375	.125	12°	12°	.500
ANC822	.625	.375	.188	12°	12°	.500
ANC342	1.000	.250	.125	0°	0°	.250
ANC343	1.000	.250	.188	0°	0°	.250
ANC344	1.000	.250	.250	0°	0°	.250

**gage blank – radiused, right hand**

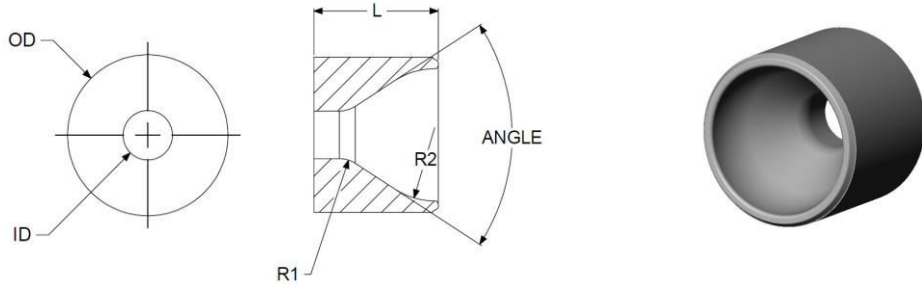


Part Number	Dimensions (inches)				
	Main Form			Angles	Radius
	Height (H)	Width (W)	Thick (T)	A1	R
ANC821	1.000	.250	.188	12°	.500



ANC produces and stock a wide selection of industry-standard, non-shrouded fluid nozzles. Manufactured from a proven, wear resistant grade of tungsten carbide, the nozzles create a high velocity flow of drilling fluid to clean the bit teeth and bottom of the hole, allowing for faster evacuation of material. ANC also has in-house design capability to produce made to order nozzles.

**Fluid Nozzles**



Part Number	Dimensions (inches)					
	Main Form					
	Outer Diameter (OD)	Body Length (L)	Inner Diameter (ID)	Small Radius (R1)	Large Radius (R2)	Inside Angle (°)
NOZ5000750-6	.500	.750	.188	-	-	-
NOZ5000750-8	.500	.750	.250	-	-	-
NOZ645625-16	.645	.625	.500	-	-	-
NOZ674500-8	.674	.500	.250	.218	.406	33
NOZ674500-9	.674	.500	.281	.218	.406	33
NOZ674500-10	.674	.500	.312	.218	.406	25
NOZ674500-11	.674	.500	.344	.218	.406	23
NOZ674500-12	.674	.500	.375	.218	.516	22
NOZ674500-13	.674	.500	.406	.218	.516	-
NOZ674500-14	.674	.500	.437	.218	.625	-
NOZ674500-15	.674	.500	.469	.218	.750	-
NOZ674500-16	.674	.500	.500	-	-	-
NOZ720630-8	.720	.630	.250	.250	.630	30
NOZ720630-9	.720	.630	.281	.250	.630	24
NOZ720630-10	.720	.630	.312	.250	.630	20
NOZ720630-11	.720	.630	.343	.250	.630	17
NOZ720630-12	.720	.630	.375	.250	.630	14
NOZ720630-13	.720	.630	.406	.250	.630	11
NOZ720630-14	.720	.630	.438	.250	.630	9
NOZ720630-15	.720	.630	.469	.250	.630	7
NOZ720630-16	.720	.630	.500	.250	.630	5
NOZ800500-13	.803	.500	.406	.250	.406	-
NOZ800500-16	.803	.500	.500	.125	.406	-
NOZ800500-18	.803	.500	.562	.125	.406	-
NOZ800685-6	.800	.685	.188	.250	.375	38
NOZ800685-8	.800	.685	.250	.250	.500	33
NOZ800685-9	.800	.685	.281	.250	.500	33

Continued on next page




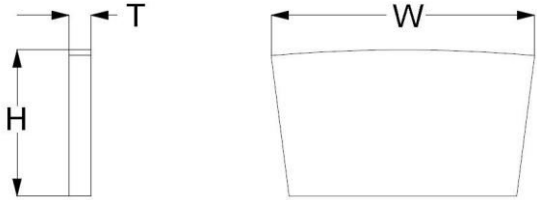
**Fluid Nozzles  
(continued)**


Part Number	Dimensions (inches)					
	Main Form					
	Outer Diameter (OD)	Body Length (L)	Inner Diameter (ID)	Small Radius (R1)	Large Radius (R2)	Inside Angle (°)
NOZ800685-10	.800	.685	.312	.250	.500	25
NOZ800685-11	.800	.685	.344	.250	.500	23
NOZ800685-12	.800	.685	.375	.250	.630	22
NOZ800685-13	.800	.685	.406	.250	.630	20
NOZ800685-14	.800	.685	.437	.250	.750	18
NOZ800685-15	.800	.685	.469	.250	.750	14
NOZ800685-16	.800	.685	.500	.250	.750	10
NOZ800685-18	.800	.685	.562	.380	.750	7
NOZ803500-13	.803	.500	.406	.250	.406	-
NOZ803500-15N	.803	.500	.469	.125	.406	-
NOZ803500-16N	.803	.500	.500	.125	.406	-
NOZ858685-22	.858	.685	.688	-	-	-
NOZ925750-12	.925	.750	.375	.250	.500	35
NOZ925750-13	.925	.750	.406	.250	.500	35
NOZ925750-14	.925	.750	.437	.250	.500	35
NOZ925750-16	.925	.750	.500	.250	.500	-
NOZ925750-18	.925	.750	.562	.250	.500	-
NOZ925750-20	.925	.750	.625	.250	.500	-
NOZ1055625-8	1.055	.625	.242	.115	.635	-
NOZ1055625-10	1.055	.625	.313	.210	.340	-
NOZ1055625-12	1.055	.625	.375	.210	.375	-
NOZ1055625-14	1.055	.625	.437	.210	.425	-
NOZ1055625-16	1.055	.625	.500	.210	.498	-
NOZ1055625-18	1.055	.625	.562	.189	.625	-
NOZ1171812-10	1.171	.812	.312	.250	.440	38
NOZ1171812-11	1.171	.812	.344	.250	.500	38
NOZ1171812-12	1.171	.812	.375	.250	.500	37
NOZ1171812-13	1.171	.812	.406	.250	.500	37
NOZ1171812-14	1.171	.812	.437	.250	.500	35
NOZ1171812-16	1.171	.812	.500	.250	.500	34
NOZ1171812-18	1.171	.812	.562	.250	.500	35
NOZ1171812-20	1.171	.812	.625	.250	.630	35
NOZ1171812-22	1.171	.812	.687	.250	.630	25
NOZ1171812-24	1.171	.812	.750	.250	.630	20
NOZ12971060-13	1.297	1.060	.406	.250	.625	33
NOZ12971060-14	1.297	1.060	.438	.375	.750	33
NOZ12971060-15	1.297	1.060	.469	.375	.750	33
NOZ12971060-16	1.297	1.060	.500	.375	.750	33
NOZ12971060-18	1.297	1.060	.562	.375	.750	31
NOZ12971060-20	1.297	1.060	.625	.375	.750	28
NOZ12971060-22	1.297	1.060	.688	.375	.750	25
NOZ12971060-24	1.297	1.060	.750	.375	.750	26
NOZ12971060-28	1.297	1.060	.875	.375	.750	16



## Centrifuge Conveyor Tiles

ANC produces industry-standard tiles for decanter-style centrifuges. Manufactured from a proprietary wear and corrosion resistant grade of tungsten carbide, our tiles are designed to withstand the continuous flow of abrasive material processed in decanter-style centrifuges. Tiles are also available brazed to stainless steel backers that are ready for installation on the conveyor scroll. Our standard tiles are compatible with popular centrifuges, including Bird, Alfa-Laval, Hutchison-Hayes, Westfalia, Centrisys, Sharples, Swaco, Flottweg, and others.

Centrifuge Conveyor Tiles	Part Number	Dimensions			Model
		W	H	T	
For use on the centrifuge conveyor for wear protection.	C9602AN68	1.519	.843	.125	
	C00498-1AN68	1.550	1.000	.125	
**Carbide tiles only					

Centrifuge Conveyor Tiles	Part Number	Dimensions			Model
		W	H	T	
For use on the centrifuge conveyor for wear protection.	C9602AN6810003	1.519	.843	.125	
	C00498-1AN6810003	1.550	1.000	.125	
**Carbide tile with stainless steel backer ready for installation to centrifuge conveyor.	