

## **All Locations**



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235 Commerce Drive South Point, OH 45680 Ph: (740) 377-3354 Fax: (740) 377-3363

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843 Lochgelly Road Oak Hill, WV 25901 Ph: (304) 469-4721 Fax: (304) 469-4750

#### **XCAL TOOLS of Beckley**

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#### **XCAL TOOLS of Bristol**

15020 Industrial Park Road Bristol, VA 24202 Ph: (276) 644-3520 Fax: (276) 644-3523





# **SUPERIOR QUALITY**

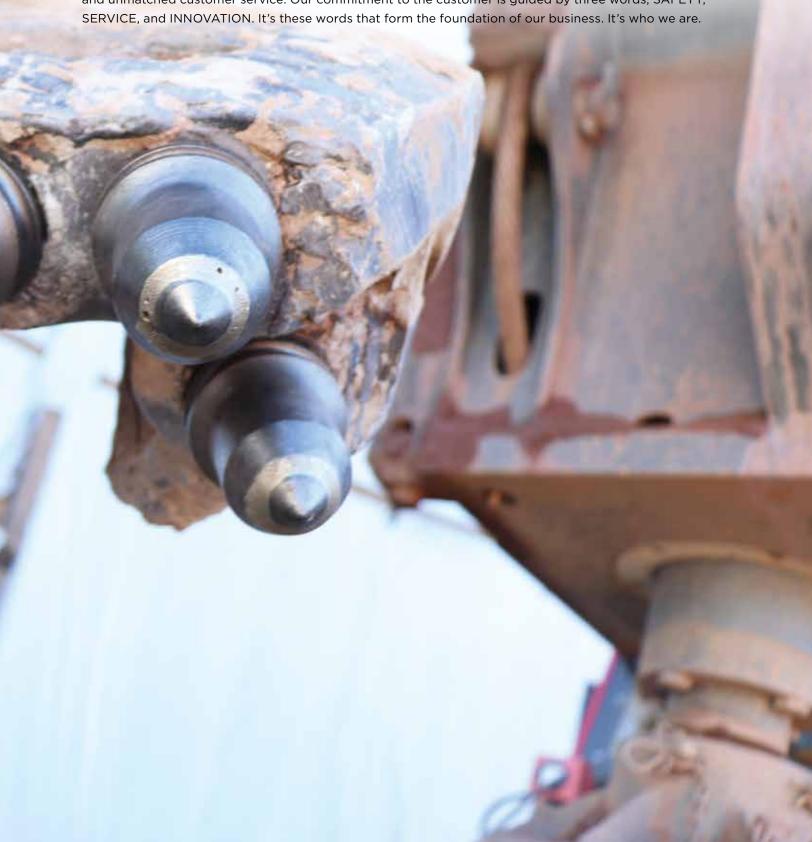
XCAL TOOLS takes pride in manufacturing and selling a full line of road planing, soil stabilization, reclaiming, grading, trenching and foundation drilling bits and carbide tooling products that are American-made. Our inhouse operations gives us the flexibility to quickly test and adapt to changing environments and customer needs. Our cost effective production methods, allows us to provide a exceptional product of the highest quality.



# SERVICE AND INNOVATION

For over 20 years, our carbide producer XCAL INDUSTRIES, has been producing high quality carbide for the mining, roof drilling, snow and ice removal, road planing, wear products and metal cutting blanks, producing over fifty grades of cemented carbide and the capability to develop extra coarse, tougher grades to meet the demands of the industry.

These affiliates of JENNMAR, in collaboration with each other, can provide you with superior quality products and unmatched customer service. Our commitment to the customer is guided by three words; SAFETY, SERVICE, and INNOVATION. It's these words that form the foundation of our business. It's who we are.





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## **Carbide Tips**

We are an ISO 9001 certified facility that offers a wide range of carbide tips to match the various challenges that you might face. Producing over fifty grades of cemented carbide and the ability to create new ones, we can find a carbide grade to meet your needs. Our versatility helps us to check and respond easily to evolving conditions and customer needs. All of our tips provide superb penetration and maximum productivity – regardless of whether you work in soft, medium-hard or extremely hard and demanding conditions.





#### **Retainers Selection**

Our retainer selection keeps tool changes quick and reduces your downtime





## **The Hybrid Difference**

XCAL TOOLS hybrid design gives you a blend of the efficient cutting characteristics of our CAP designs, combined with the durability and long life of a plug tip. Our design provides excellent penetration while retaining maximum strength, shear resistance and durability in challenging conditions, improves safety, efficiency and working conditions—leading to increased performance, productivity and lowered production costs.











**Cap Carbide Tips** 

For superior penetration: the larger carbide shoulder provides excellent protection against steel wash.

#### **Insert Carbide Tips**

For high-impact conditions, or working with hard materials where steel wash is not an issue.

**The Hybrid Carbide Tip** 

The tapered bottom design provides more strength where it's needed most, helping to prevent carbide fracture.



#### **Cap Carbide Tips**

Valve seat carbide tips are preferred over flat bottom tips providing a stronger bond between the carbide and steel giving more stability and support in highly abrasive conditions.



#### **Insert Carbide Tips**

Insert carbide tips are best for penetration applications where steel wash is not an issue. These tips provide a strong bond between carbide and steel giving more stability and support proving ideal for use in hard, high-impact conditions.



#### **Hybrid Carbide Tips**

Hybrid tips were developed for all cutting requirements - no matter how tough. You won't need to switch tools when your conditions change.



#### **Wide-Top Carbide Tips**

Wide-Top tip combines the abrasive resistance of a cap tip with the impact resistance of a plug tip to maximise strength and steel support for ultimate durability in the most challenging conditions.



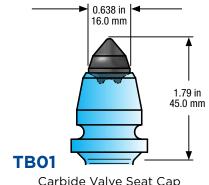




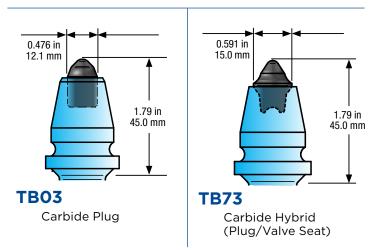
- Standard body design
- Used for Core Barrels and Augers
- Puller groove for easy tool removal
- Interchangeable series offers flexibly

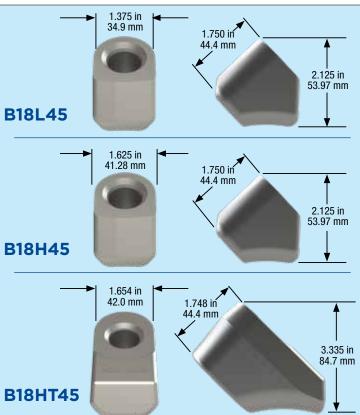
Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	Tip Diameter (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
TB01	0.72 in 18 mm	1.0 in 25.4 mm	0.638 in 16.0 mm	1.79 in 45.0 mm	65	3900
TB03	0.72 in 18 mm	1.0 in 25.4 mm	0.476 in 12.1 mm	1.79 in 45.0 mm	65	3900
TB73	0.72 in 18 mm	1.0 in 25.4 mm	0.591 in 15.0 mm	1.79 in 45.0 mm	65	3900

Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle (degrees)	Internal Groove	Pieces per Box	Pieces per Pallet
B18L45	.750 in 19.05 mm	1.375 in 34.9 mm	45°	Yes	35	2100
B18H45	.750 in 19.05 mm	1.625 in 41.28 mm	45°	Yes	35	2100
B18HT45	.750 in 19.05 mm	1.654 in 42.0 mm	45°	Yes	20	900



Carbide Valve Seat Cap





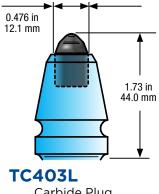




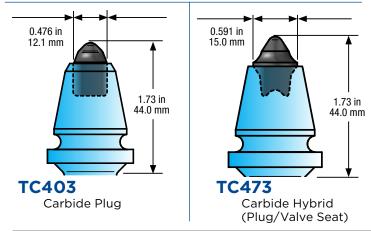
- Standard body design
- Used for Core Barrels and Augers
- Puller groove for easy tool removal
- Offered with a Wedding Band or Sleeve retainer

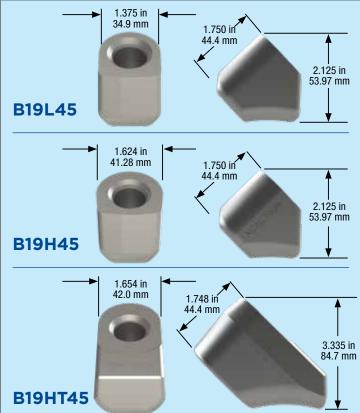
Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	<b>Tip Diameter</b> (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
TC403L	0.74 in 19 mm	1.06 in 27 mm	0.476 in 12.1 mm	1.73 in 44.0 mm	65	3900
TC403	0.74 in 19 mm	1.25 in 31.75 mm	0.476 in 12.1 mm	1.73 in 44.0 mm	65	3900
TC473	0.74 in 19 mm	1.25 in 31.75 mm	0.591 in 15.0 mm	1.73 in 44.0 mm	65	3900

Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle	Internal Groove	Pieces per Box	Pieces per Pallet
B19L45	.782 in 19.87 mm	1.375 in 34.9 mm	45°	Yes	35	2100
B19H45	.782 in 19.87 mm	1.624 in 41.28 mm	45°	Yes	35	2100
B19HT45	.782 in 19.87 mm	1.654 in 42.0 mm	45°	Yes	20	900



Carbide Plug











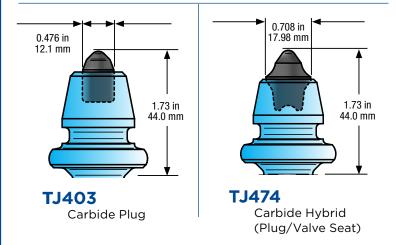
- Bumped sleeve for improved retention
- Puller Groove to aid in extraction
- Interchangeable series offers flexibly

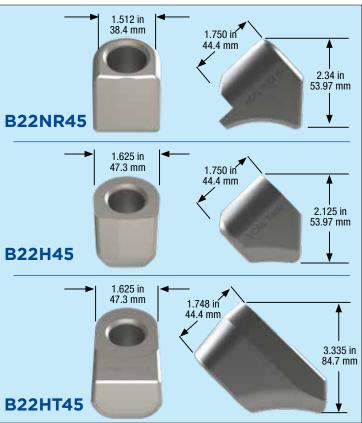
Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	Tip Diameter (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
TJ401	0.86 in 22 mm	1.5 in 38.1 mm	0.638 in 16.0 mm	1.73 in 44.0 mm	50	3000
TJ403	0.86 in 22 mm	1.5 in 38.1 mm	0.476 in 12.1 mm	1.73 in 44.0 mm	50	3000
TJ474	0.86 in 22 mm	1.5 in 38.1 mm	0.708 in 17.98 mm	1.73 in 44.0 mm	50	3000

Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle (degrees)	Internal Groove	Pieces per Box	Pieces per Pallet
B22NR45	0.885 in 22.48 mm	1.512 in 38.4 mm	45°	Yes	35	2100
B22H45	0.885 in 22.48 mm	1.625 in 47.3 mm	45°	Yes	35	2100
B22HT45	0.885 in 22.48 mm	1.625 in 47.3 mm	45°	Yes	35	2100











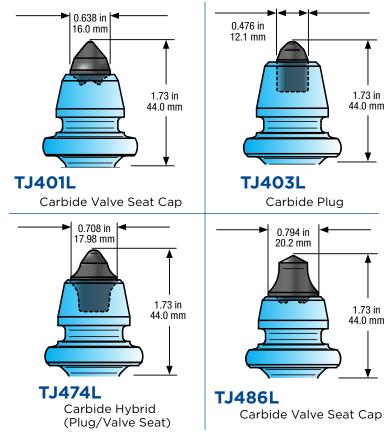


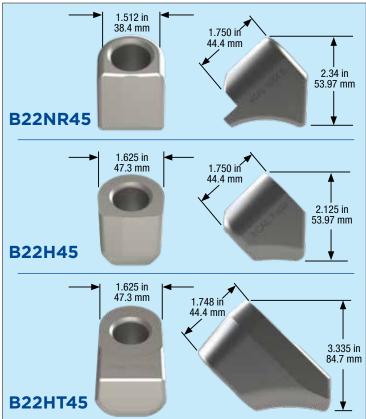


- Offered in a wide range of tips for impact and highly abrasive material
- Puller Groove to aid in extraction
- Interchangeable series offers flexibly

Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	Tip Diameter (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
TJ401L	0.86 in 22 mm	1.5 in 38.1 mm	0.638 in 16.0 mm	1.73 in 44.0 mm	50	3000
TJ403L	0.86 in 22 mm	1.5 in 38.1 mm	0.476 in 12.1 mm	1.73 in 44.0 mm	50	3000
TJ474L	0.86 in 22 mm	1.5 in 38.1 mm	0.708 in 17.98 mm	1.73 in 44.0 mm	50	3000
TJ486L	0.86 in 22 mm	1.5 in 38.1 mm	0.794 in 20.2 mm	1.73 in 44.0 mm	50	3000

Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle (degrees)	Internal Groove	Pieces per Box	Pieces per Pallet
B22NR45	0.885 in 22.48 mm	1.512 in 38.4 mm	45°	Yes	35	2100
B22H45	0.885 in 22.48 mm	1.625 in 47.3 mm	45°	Yes	35	2100
B22HT45	0.885 in 22.48 mm	1.625 in 47.3 mm	45°	Yes	35	2100









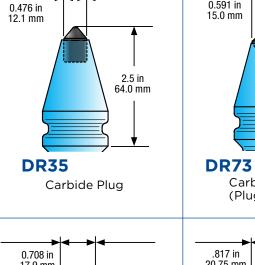


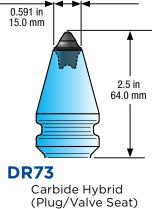
#### **Features:**

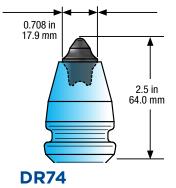
- Sharp nose for increased penetration
- Offered in a Hybrid tip, or Plug tip for impact and highly abrasive material
- Interchangeable series offers flexibly

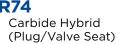
Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	<b>Tip Diameter</b> (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
DR35	1.0 in 25 mm	1.5 in 38.1 mm	0.476 in 12.1 mm	2.5 in 64.0 mm	35	2100
DR73	1.0 in 25 mm	1.5 in 38.1 mm	0.591 in 15.0 mm	2.5 in 64.0 mm	35	2100
DR74	1.0 in 25 mm	1.5 in 38.1 mm	0.708 in 17.9 mm	2.5 in 64.0 mm	35	2100
DR75	1.0 in 25 mm	1.5 in 38.1 mm	.817 in 20.75 mm	2.5 in 64.0 mm	35	2100

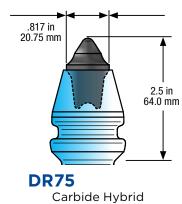
Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle (degrees)	Internal Groove	Pieces per Box	Pieces per Pallet
B25HN45	1.012 in 25.71 mm	1.72 in 43.7 mm	45°	Yes	15	900
B25H45	1.012 in 25.71 mm	1.969 in 50.0 mm	45°	Yes	8	480



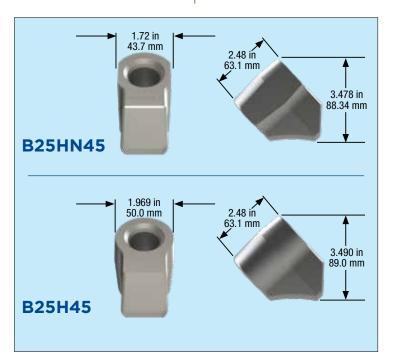








(Plug/Valve Seat)





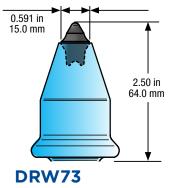


#### **Features:**

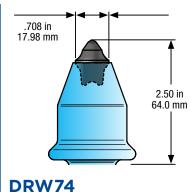
- Wide-flare shoulder provides maximum block and bore protection
- Offered in a Hybrid tip or Wide-Top tip for impact and highly abrasive material
- Interchangeable series offers flexibly

Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	Tip Diameter (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
DRW73	1.0 in 25 mm	1.84 in 46.7 mm	0.591 in 15.0 mm	2.50 in 64.0 mm	30	1800
DRW74	1.0 in 25 mm	1.84 in 46.7 mm	.708 in 17.98 mm	2.50 in 64.0 mm	30	1800
DRW75	1.0 in 25 mm	1.84 in 46.7 mm	.817 in 20.75 mm	2.50 in 64.0 mm	30	1800
DRW76	1.0 in 25 mm	1.84 in 46.7 mm	0.930 in 23.62 mm	2.50 in 64.0 mm	30	1800

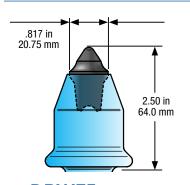
Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle (degrees)	Internal Groove	Pieces per Box	Pieces per Pallet
B25HN45	1.012 in 25.71 mm	1.72 in 43.7 mm	45°	Yes	15	900
B25H45	1.012 in 25.71 mm	1.969 in 50.0 mm	45°	Yes	8	480



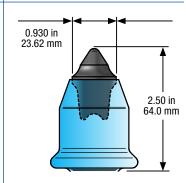
Carbide Hybrid (Plug/Valve Seat)



Carbide Hybrid (Plug/Valve Seat)



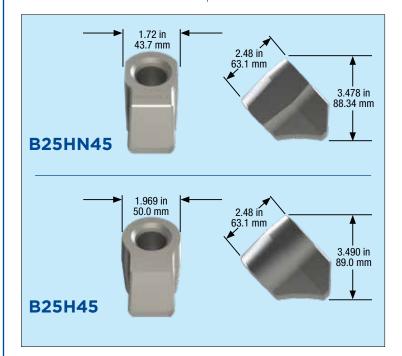
DRW75
Carbide Hybrid
(Plug/Valve Seat)



DRW76

Carbide Hybrid

(Plug/Valve Seat)



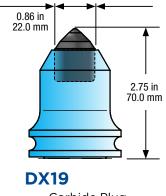




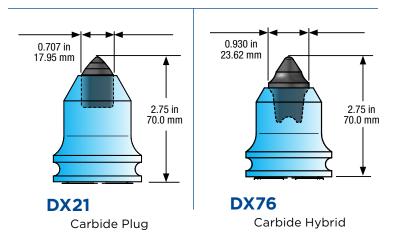
- Offered in Plugged tip, Hybrid tip and Large Cap tip for impact and highly abrasive material
- Offered with or without Puller groove for easy extraction
- Wide Shoulder tools offer maximum block, bore and seat protection

Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	Tip Diameter (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
DX19	1.5 in 30 mm	1.96 in 49.7 mm	0.86 in 22.0 mm	2.75 in 70.0 mm	10	600
DX21	1.5 in 30 mm	1.96 in 49.7 mm	0.707 in 17.95 mm	2.75 in 70.0 mm	10	600
DX76	1.5 in 30 mm	1.96 in 49.7 mm	0.930 in 23.62 mm	2.75 in 70.0 mm	10	600

Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle (degrees)	Internal Groove	Pieces per Box	Pieces per Pallet
B38H45	1.50 in 38.2 mm	2.62 in 66.5 mm	45°	Yes	8	480
B38R	1.50 in 38.1 mm	2.99 in 76.0 mm	N/A	Yes	15	900



Carbide Plug









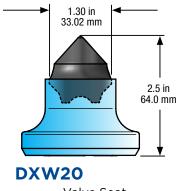


#### **Features:**

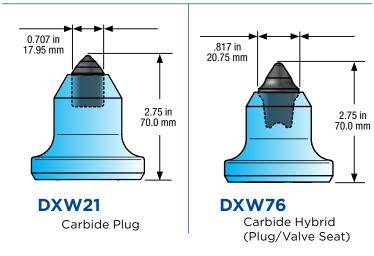
- Offered in Plugged tip, Hybrid tip and Large Cap tip for impact and highly abrasive material
- Offered with or without Puller groove for easy extraction
- Wide Shoulder tools offer maximum block, bore and seat protection

Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	Tip Diameter (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
DXW20	1.5 in 30 mm	2.5 in 64.0 mm	1.30 in 33.02 mm	2.5 in 64.0 mm	10	600
DXW21	1.5 in 30 mm	2.5 in 64.0 mm	0.707 in 17.95 mm	2.75 in 70.0 mm	10	600
DXW76	1.5 in 30 mm	2.5 in 64.0 mm	0.817 in 20.75 mm	2.75 in 70.0 mm	10	600

Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle (degrees)	Internal Groove	Pieces per Box	Pieces per Pallet
B38H45	1.50 in 38.2 mm	2.62 in 66.5 mm	45°	Yes	8	480
B38R	1.50 in 38.1 mm	2.99 in 76.0 mm	N/A	Yes	15	900



Valve Seat







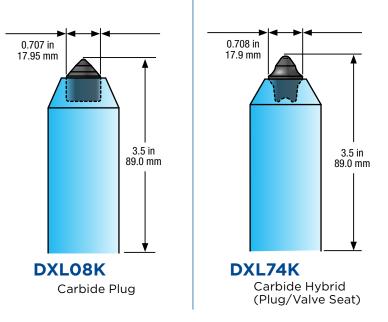




- Unique tool design provides superior penetration
- Offered in both Plugged tip or Hybrid tip for impact and highly abrasive material
- Utilizes Sleeve and/or Snap ring retainer to maintain maximum block bore and seat protection
- Offered with or without Puller groove for easy extraction

Tool Part Number	Shank (in, mm)	Shoulder (in, mm)	Tip Diameter (in, mm)	Gauge (in, mm)	Pieces per Box	Pieces per Pallet
DXL08K	1.5 in 30 mm	NA	0.707 in 17.95 mm	3.5 in 89.0 mm	10	600
DXL74K	1.5 in 30 mm	NA	0.708 in 17.9 mm	3.5 in 89.0 mm	10	600

Block Part Number	Bore Hole Diameter (in, mm)	Width (in, mm)	Angle (degrees)	Internal Groove	Pieces per Box	Pieces per Pallet
B38H45	1.50 in 38.2 mm	2.62 in 66.5 mm	45°	Yes	8	480
B38R	1.50 in 38.1 mm	2.99 in 76.0 mm	N/A	Yes	15	900



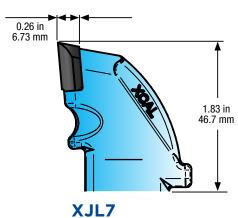








- Protruding nose for better penetration
- For use on Core Barrel and Casing Shoes



Carbide Radial (Plug/Valve Seat)

Tool Part	Shank	<b>Tip Diameter</b> (in, mm)	Gauge	Pieces	Pieces
Number	(in, mm)		(in, mm)	per Box	per Pallet
XJL7	1.80 in 45 mm	0.26 in 6.7 mm	1.83 in 46.7 mm	60	3600



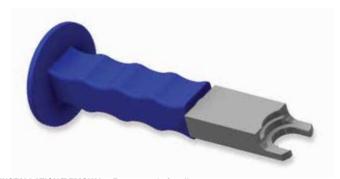


### **Accessories**



**CURVED KNOCK OUT PUNCH -** Tool remover with carbide tip for extended life.

Part Number - Product Code: CKP



INSTALLATION/REMOVAL - For removal of c-clip

Part Number - Product Code(s): CC25, CC30



FORKED PULLER - For removal of tools

Part Number - Product Code(s): FP19, FP22, FP25



WEDGE PULLER - For removal of shank tools with collars

Part Number - Product Code: W25

WEDGE PULLER - For removal of step shank tools with collars

Part Number - Product Code: W38



SNAP RING PLIERS - For removal of snap rings

Part Number - Product Code: SRP86/Rachet Snap Ring Pliers



### AS PART OF THE XCAL TOOLS COMPANY, TAMCO PROUDLY OFFERS A FULL LINE OF AIR AND PNEUMATIC CONSTRUCTION TOOLS.



### **Air Tool Accessories**



### **Whip Hoses**

Part Number	Description
WH5-3/8	5' Whip Hose - 3/8" NPT Swivel End, rated 250 PSI
WH5-7/8	5' Whip Hose - 7/8" x 24" Thread/In Swivel End, rated 250 PSI
WH5-1/2	5' Whip Hose - 1/2" ID, 1/2" Bent Swivel, rated 250 PSI
WH10-3/8	10' Whip Hose - 3/8" NPT Thread/In Swivel End, rated 250 PSI
WH10-1/2	10' Whip Hose - 1/2" NPT Swivel End, rated 250 PSI
WH10-7/8	10' Whip Hose - 7/8" X 24" Thread/In Swivel End, rated 250 PSI
AH50	50' Air Hose - 3/4" Hose w/Universal Fitttings, rated 300 PSI

## **Whip Hoses with Oilers**

Part Number	Description
WH6-1/20ILS	Whip Hose 1/2" x 6' with 1/2" Swivel and Inline Oiler
WH6-3/80ILS	Whip Hose 1/2" x 6' with 3/8" Swivel and Inline Oiler
WH6-7/80ILS	Whip Hose 1/2" x 6' with 7/8" Swivel and Inline Oiler
WH8-CPOILS	Whip Hose $3/4" \times 8"$ with Universal Fittings and Inline Oiler





### **Hydraulic Hoses**

Part Number	Description
HYD6-3/8	Whip Hose 1/2" x 6' with 3/8" Swivel
HYD6-1/2	Whip Hose 1/2" x 6' with 1/2" Swivel
HYD6-7/8	Whip Hose 1/2" x 6' with 7/8" Swivel

### **In-Line Oilers**

Part Number	Description		
OL	In-Line Oiler 1.4 Fluid Oz.		
1L	In-Line Oiler 3.7 Fluid Oz.		
2L	In-Line Oiler 11.0 Fluid Oz.		
3L	In-Line Oiler 16.0 Fluid Oz.		
430101V0J	LO-15 Clearview In-Line Oiler 6.0 Fluid Oz.		







#### AS PART OF THE XCAL TOOLS COMPANY, TAMCO PROUDLY OFFERS A

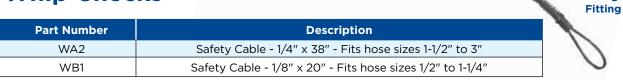
### **Manifolds**

Eliminate clutter and run just one hose to your worksite! Connect from four to eight pneumatic tools at once. Equipped with a gauge to monitor pressure. All models are stackable!!



Part Number	Outlets	Capacity	Working Pressure	Test Pressure	Inlet Size	Tank Dia.	Weight
5G	4	5 gallon	200 PSI	300 PSI	1"	10"	36 lbs.
15G	8	15 gallon	200 PSI	300 PSI	2"	12"	72 lbs.

# **Whip Checks**





#### All Weather!

Useable down to temperatures of -30° F

### **Air Tool Oil**

Part Number	Description
ATOGL	Air Tool Oil - One Gallon

## **LOOKING FOR MORE OPTIONS?**

Chicago

Reach out to your regional sales representative to receive a quote and check availability for the parts you are interested in.

You can contact us via email at info.bristol@xcaltools.com or by calling us at (276) 644-3520.







### **Threaded Rock Bits**

#### **Multi-Use Threaded Carbide Rock Bits**

Bit Diameter Inch	Bit Diameter MM	Part Number	Wt./Lb.	Carbide Height (MM)	Carbide Width (MM)
1-3/8"	35	HTI-137H	0.50	14	8
1-1/2"	38	HTI-150H	0.60	14	8
1-5/8"	41	HTI-162H	0.65	14	8
1-3/4"	45	HTI-175H	0.80	14	8
1-7/8"	48	HTI-187H	0.90	14	8
2"	51	HTI-200H	1.10	14	8
2-1/4"	57	HTI-225H	1.20	14	8
2-1/2"	64	HTI-250H	1.30	14	9.5
2-3/4"	70	HTI-275H	1.55	20	12
3"	76	HTI-300H	3.00	23	12
3-1/2"	89	HTI-350H	3.00	16	12
4"	101	HTI-400H	3.65	16	12



# Rebar Cutter Bits H-Thread

Bit Diameter Inch	Part Number
1-3/8"	HTI-137HRB
1-1/2"	HTI-150HRB
1-5/8"	HTI-162HRB
1-3/4"	HTI-175HRB
1-7/8"	HTI-187HRB
2"	HTI-200HRB
2-1/4"	HTI-225HRB
2-1/2"	HTI-250HRB



Length U.C.	Part Number	Wt./Lb.
12"	H7312	3.00
18"	H7318	4.00
24"	H7324	5.00
30"	H7330	6.00
36"	H7336	7.00
48"	H7348	9.00
60"	H7360	11.00
72"	H7372	14.00
96"	H7396	18.00
120"	H73120	22.00



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Length U.C.	Part Number	Wt./Lb.		
12"	H7412	3.25		
18"	H7418	4.25		
24"	H7424	5.25		
30"	H7430	6.25		
36"	H7436	7.25		
48"	H7448	9.25		
60"	H7460	12.00		
72"	H7472	13.25		

1" x 4-1/4" Shank H-Thread

1 X + 1/+ Onank II I incad				
Length U.C.	Part Number	Wt./Lb.		
12"	H1412	4.00		
18"	H1418	5.00		
24"	H1424	7.00		
30"	H1430	9.00		
36"	H1436	10.00		
48"	H1448	12.00		
60"	H1460	15.00		
72"	H1472	18.00		
96"	H1496	23.00		
120"	H14120	28.00		

**H-Thread Extensions** 

Length U.C.	Part Number	Wt./Lb.
24"	H24X	7.00
36"	H36X	10.00
48"	H48X	12.00
72"	H72X	18.00
96"	H96X	23.00







15020 INDUSTRIAL PARK ROAD BRISTOL, VA USA (276) 644-3520

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