



## Awarded Supplier Information

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**Supplier Name:** Kirby Smith Machinery

**Supplier ID #:** 0000073859

**Supplier Address:** 6715 W Reno, PO Box  
270300

**City:** Oklahoma City

**State:** OK

**Zip Code:** 73127

**Contact Person Name:** Dusty Odom

**Phone #:** 1-405-782-7142

**Title:** General Parts Manager

**Fax #:** 1-405-787-5973

**Email:** dodom@kirby-smith.com

**Website:**

**Authorized Location:** ☐ Locations list attached as *n/a*

☐ Address:

City:

State:

Zip Code:

**Contract ID #:** 4349

**Delivery:** FOB Destination

**Minimum Order:** n/a

**P/Card Accepted:** ☒ Yes

☐ No

**Other:**



# CONTRACT

State of Oklahoma

Dispatch via Print

Supplier 0000073859  
KIRBY-SMITH MACHINERY INC  
PO BOX 270300  
OKLAHOMA CITY OK 73137-0300  
USA

<b>Contract ID</b>			<b>Page</b>	
0000000000000000000000004349			1 of 1	
<b>Contract Dates</b>		<b>Currency</b>	<b>Rate Type</b>	<b>Rate Date</b>
03/10/2016 to 03/13/2017		USD	CRRNT	PO Date
<b>Description:</b>			<b>Contract Maximum</b>	
			0.00	
<b>TYPE: STATEWIDE</b>				

Tax Exempt? Y Tax Exempt ID:736017987

## Contract Lines:

Line #	Cat CD / Item ID / Item Desc	UOM	Minimum Order		Maximum / Open	
			Qty	Amt	Qty	Amt
1	22101703 / BLADE: Grader 7/8" x 5" x 36" long ESCO/BU CYRUS #4406281 CARBIDE PLUS \$235.23 EACH.	EA	1.00	0.00	0.00	0.00
	Contract Base Pricing		235.23000	EA	0001	
2	22101703 / BLADE: Grader 7/8" x 5" x 48" long ESCO/BU CYRUS #4406284 CARBIDE PLUS \$210.98 EACH.	EA	1.00	0.00	0.00	0.00
	Contract Base Pricing		310.98000	EA	0001	
3	22101703 / BLADE: Grader Blade. 5/8" x 6" Curved double bevel. Standard Punching. ESCO/BU CYRUS	FT	1.00	0.00	0.00	0.00
	Contract Base Pricing		8.02000	FT	0001	
4	22101703 / BLADE: Grader Blade. 5/8" x 8" Curved double bevel. Standard Punching. ESCO/BU CYRUS	FT	1.00	0.00	0.00	0.00
	Contract Base Pricing		11.78000	FT	0001	
5	22101703 / BLADE: Grader Blade. 3/4" x 8" Curved double bevel. Standard Punching. ESCO/BU CYRUS	FT	1.00	0.00	0.00	0.00
	Contract Base Pricing		13.89000	FT	0001	
6	22101703 / BLADE: Snow Plow. 1/2" x 6" Standard Punching. 12" punch with square 11/16". ESCO/BU CYRUS	FT	1.00	0.00	0.00	0.00
	Contract Base Pricing		8.86000	FT	0001	

COMMENTS:

Final = The price is final after adjustments  
Hard = Apply adjustments regardless of other adjustments  
Skip = Skip adjustments if any other adjustments have been applied

Authorized Signature

**CONTACT INFORMATION FOR:**  
**Website:**

Company Name	Kirby Smith Machinery
Doing Business as (if applicable)	
Contact Person for Solicitation Response	Timothy Peterson
Phone	405-782-7158
Email	<a href="mailto:tpeterson@kirby-smith.com">tpeterson@kirby-smith.com</a>
Address For Purchase Orders-Number & Street-Post Office Box (some companies have ordering addresses that are different than the payment address)	6715 W. Reno or PO. Box 270300
City, State, Zip	Oklahoma City, OK. 73127 or 73137
Contact Person for Contract/Ordering/Price Information/Equipment Additions/Changes/Discontinuations	Dusty Odom
Phone	405-782-7142
Fax	405-787-5973
Email	<a href="mailto:dodom@kirby-smith.com">dodom@kirby-smith.com</a>
Secondary Contact for Contract/Ordering	Jonathan Eidson
Phone	405-728-7119
Fax	405-787-5973
Email	<a href="mailto:jeidson@kirby-smith.com">jeidson@kirby-smith.com</a>
Address For Payment-Number & Street-Post Office Box (some companies have a different Payment/remittance address than the ordering address)	Po. Box 270300
City, State, Zip	Oklahoma, City OK. 73137
Contact Person/Department for payment	Tim Kline
Phone	405-782-7171
Fax	
Email	<a href="mailto:tkline@kirby-smith.com">tkline@kirby-smith.com</a>
Payment Discount (i.e. 15 days)	Net _____ days
<b>Supplier will be responsible for notifying the contracting officer when the contact information changes for ordering and payment.</b>	Notes: (Special ordering instructions-please attach any special instructions on a separate sheet)

## Bucyrus Blades

### Typical Hardness Range By Category

<u>Category</u>	<u>Forgetemp®</u>	<u>Maxtemp®</u>	<u>Application</u>
<b>Dozer &amp; Scraper</b>			
8" wide or less	241-301 BHN 23-32 RC	390-475 BHN 42-50 RC	Bolt-on Bolt-on
10' wide or wider	215-279 BHN 18-29 RC	390-475 BHN 42-50 RC	Bolt-on Bolt-on
<b>Loader</b>			
8" wide or less	241-301 BHN 23-32 RC 15-27 RC	390-475 BHN 42-50 RC 38-46 RC	Bolt-on Bolt-on Weld-on
10" wide or wider	215-279 BHN 18-29 RC	390-475 BHN 42-50 RC	Bolt-on Bolt-on
	201-264 BHN 15-27 RC	353-432 BHN 38-46 RC	Weld-on Weld-on
<b>Excavator</b>		360-440 BHN 39-47 RC	Weld-on Weld-on
<b>Grader</b>	241-320 BHN 23-32 RC	390-475 BHN 42-50 RC	Bolt-on Bolt-on
<b>Snow Plow</b> (excluding carbide)	241-301 BHN 23-32 RC	353-432 BHN 38-46 RC	Bolt-on Bolt-on
<b>Surface Hardened</b>		589-744 BHN 57-67 RC	Bolt-on Bolt-on

<u>Category</u>	<u>Hardness Range</u>
Carbide Inserts	87.5-89 RA
Crushed Carbide	87.5-89 RA

BHN = Brinell Hardness Scale

RC = Rockwell C Scale

RA = Rockwell A Scale

9/15/03-Rev 12/15/04 JN

## ESCO Blade Materials

ESCO's expertise in steel alloys, product design and manufacturing are utilized in the development of all blade products to ensure optimum performance in the target application. Our staff is trained to assist in the material selection to best resist wear and minimize the chance of breakage. Following is a summary of ESCO blade materials.

**MaxTemp® Steel** is a heat-treated, through-hardened steel that delivers maximum protection against breakage in the toughest high-impact applications. Designed for the most demanding jobs, all MaxTemp products are guaranteed against impact breakage. MaxTemp products are available in OEM standard, heavy-duty, and extra heavy-duty designs.

**ForgeTemp® Steel** is designed for high abrasion, low impact conditions. This high-carbon steel alloy provides a balance between wear resistance and impact breakage. The steel is specially prepared in the mill to create the highest forging quality steel. ForgeTemp products are available in OEM standard, heavy-duty, and extra heavy-duty.

**Special Application MaxTemp Steel** is a heat-treated alloy developed specifically for heavy-duty loader and excavator applications. Impact resistant, wear resistant, and easy to weld, Special Application MaxTemp steel is uniquely suited to handle the punishment large production machines dish out. Special Application MaxTemp steel is available for weld-in straight, spade, and modified vee moldboards.

**Carbide Plus™** embedded and inserted wear products, offer a significant increase in wear life over conventional steel products. Designed for low impact, high abrasive conditions, ESCO Carbide Plus products are guaranteed to offer cost-effective service in factory recommended applications. Carbide Plus blades feature ESCO E3® tungsten carbide overlay and tungsten carbide inserts to ensure maximum wear life.

## Terminology Abbreviations

The following is a listing of terminology abbreviations which are used throughout the catalog. Learning of the terminology will help utilize the catalog for the best product selection.

Ang	Angled
CDB	Curved Double Bevel
CNB	Curved No Bevel
CSB	Curved Single Bevel
Ctr	Center
DD	DoubleDuty Section
Ext Ser	Extreme Service
Extd	Extended
FAB	Fabrication
FDB	Flat Double Bevel
FDD	Flat DoubleDuty
FSB	Flat Single Bevel
FSE	Flat Square Edge
FT	ForgeTemp
HC	Hot Cupped (formed)
HD	Heavy Duty
HDMT	Heavy Duty MaxTemp
ID	Inside Dimension
Int Ends	Intermediate Ends on "U" type dozers
MT	MaxTemp
OAL	Overall Length
R/L	Right or Left (interchangeable)
Spl	Special
Std	Standard
XHD	Extra Heavy Duty
XXHD	Extra Extra Heavy Duty

**GRADER BLADES**

High carbon blades steel producing the following analysis:

Carbon:	.80 - .93
Manganese	.60 - .90
Phosphorous:	.04 maximum
Sulfur:	.05 maximum
Silicon:	.35 maximum

<b><u>DESCRIPTION:</u></b>	<b><u>MINIMUM REQUIREMENTS</u></b>	<b><u>VENDOR'S PROPOSAL</u></b>
<b><u>Grader Blade:</u></b>	Standard punching, 5/8" x 8" curved double bevel, weight per ft 15.6 lb. (Specify lengths 6', 7', 8', 9')	<u>6,7,8 STOCKED 9 ORDER</u>
<b><u>Grader Blade:</u></b>	Standard punching, 5/8" x 6" curved double bevel, weight per ft 11.7 lb. (Specify lengths 6', 7', 8', 9')	<u>6,7,8 STOCKED 9 ORDER</u>
<b><u>Grader Blade:</u></b>	Standard punching, 3/4" x 8" curved double bevel, weight per ft 18.4 lb. (Specify lengths 6', 7', 8', 9')	<u>6,7,8 STOCKED 9 ORDER</u>
<b><u>Snow Plow Blade:</u></b>	Standard punching, snow plow blades, 1/2" x 6" flat, square edged, weight per ft 10.27 lb. (Specify lengths 10', 11', 12')	<u>ORDER 2 WEEKS LEAD</u>

**WARRANTY:** One Year / From Date of Delivery

**SPECIFICATIONS:**

Each Bidder shall submit complete manufacturer's specification in duplicate and shall submit all other data to show that his proposal meets these specifications.

**THE STATE OF OKLAHOMA RESERVES THE RIGHT TO WAIVE MINOR TECHNICALITIES UNDER THESE SPECIFICATIONS.**

**COMPLIANCE:**

Bidder Shall furnish a statement in writing on the Bid or by attached letter, and in the Vendor's Statement below, if his equipment proposed strictly meets these Specifications. If not, he shall list each variation therefrom.

**INSPECTION AND DELIVERY OF EQUIPMENT MUST COMPLY WITH VENDOR'S INSTRUCTION SHEET.**

**SPECIAL REQUIREMENTS:**

Successful bidder will provide at no additional cost a technical representative to instruct the receiving divisions in the proper care, maintenance, and operation of the machine.

**VENDOR'S STATEMENT:** (Equipment Proposed Complies:) **YES:**\_\_\_\_\_ **NO:**\_\_\_\_\_

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**DEALER:** KIRBY SMITH MACHINERY **DATE:** 2/12/2015

**SIGNATURE:** \_\_\_\_\_ **PHONE:** 405-782-7158

**ADDRESS:** 6715 W. RENO  
OKLAHOMA CITY, OK. 73127

### GRADER BLADES

High carbon blades steel producing the following analysis:

Carbon:	.80 - .93
Manganese	.60 - .90
Phosphorous:	.04 maximum
Sulfur:	.05 maximum
Silicon:	.35 maximum

#### DESCRIPTION:

#### MINIMUM REQUIREMENTS

#### VENDOR'S PROPOSAL

#### Grader Blade:

Standard punching, 5/8" x 8"  
curved double bevel, weight  
per ft 15.6 lb. (Specify lengths  
6', 7', 8', 9')

5/8 x 8"  
IN 6', 7', 8'  
Lengths

#### Grader Blade:

Standard punching, 5/8" x 6"  
curved double bevel, weight  
per ft 11.7 lb. (Specify lengths  
6', 7', 8', 9')

5/8 x 6"  
IN 6', 7', 8' Lengths

#### Grader Blade:

Standard punching, 3/4" x 8"  
curved double bevel, weight  
per ft 18.4 lb. (Specify lengths  
6', 7', 8', 9')

3/4 x 8"  
IN 6', 7', 8'  
Lengths

#### Snow Plow Blade:

Standard punching, snow plow blades,  
1/2" x 6" flat, square edged, weight  
per ft 10.27 lb. (Specify lengths  
10', 11', 12')

**WARRANTY:** One Year / From Date of Delivery

#### **SPECIFICATIONS:**

Each Bidder shall submit complete manufacturer's specification in duplicate and shall submit all other data to show that his proposal meets these specifications.

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#### **COMPLIANCE:**

Bidder Shall furnish a statement in writing on the Bid or by attached letter, and in the Vendor's Statement below, if his equipment proposed strictly meets these Specifications. If not, he shall list each variation therefrom.



**INSPECTION AND DELIVERY OF EQUIPMENT MUST COMPLY WITH VENDOR'S INSTRUCTION SHEET.**

**SPECIAL REQUIREMENTS:**

Successful bidder will provide at no additional cost a technical representative to instruct the receiving divisions in the proper care, maintenance, and operation of the machine.

**VENDOR'S STATEMENT:** (Equipment Proposed Complies:) **YES:** X **NO:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DEALER:** Kirby Smith Machinery **DATE:** 2-5-2016

**SIGNATURE:** Jeffery Peterson **PHONE:** 405-782-7158

**ADDRESS:** 6715 W. Reno Oklahoma City OK 73127

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## ESCO ForgeTemp® Grader Cutting Edges

**Curved Double Bevel** - Edges are State Highway Standard punching, square countersunk holes for 5/8" cutting edge bolts, square ends, painted, without bolts.

Description		Theoretical Mill Weight Per Linear Foot In Pounds
1/2" x 6"	Curved Double Bevel	8.7
5/8" x 6"	Curved Double Bevel	10.6
3/4" x 6"	Curved Double Bevel	13.2
1/2" x 8"	Curved Double Bevel	12.3
5/8" x 8"	Curved Double Bevel	15.5



**Heavy Duty Curved Double Bevel** - Edges are State Highway Standard punching, modified with extra holes on 6" centers, square countersunk holes for 5/8" cutting edge bolts, square ends, painted, without bolts.

Heavy Duty cutting edges are recommended to increase wear life and minimize breakage.

Description		Theoretical Mill Weight Per Linear Foot In Pounds
3/4" x 8"	Curved Double Bevel	18.7
1" x 8"	Curved Double Bevel	25.3



**Heavy Duty Flat Double Bevel** - Edges are State Highway Standard punching, modified with extra holes on 6" centers, square countersunk holes for 5/8" cutting edge bolts, square ends, painted, without bolts.

Heavy Duty Flat Double Bevel cutting edges are recommended to increase wear life and minimize breakage when penetration and rolling of material is not of prime importance.

Description		Theoretical Mill Weight Per Linear Foot In Pounds
1-1/4" x 10"	Flat Double Bevel	40.8



# ESCO ForgeTemp® Grader Cutting Edges

**Curved Single Bevel** - Edges are State Highway Standard punching, square countersunk holes for 5/8" cutting edge bolts, square ends, painted, without bolts.

Description		Theoretical Mill Weight Per Linear Foot In Pounds
5/8" x 6"	Curved Single Bevel	11.5
1/2" x 8"	Curved Single Bevel	12.9
5/8" x 8"	Curved Single Bevel	15.9



**Curved No Bevel** - Edges are State Highway Standard punching, square countersunk holes for 5/8" cutting edge bolts, square ends, painted, without bolts.

Description		Theoretical Mill Weight Per Linear Foot In Pounds
5/8" x 6"	Curved No Bevel	12.5



**Surface Hardened Curved Single Bevel** - Edges are State Highway Standard punching, square countersunk holes for 5/8" cutting edge bolts, square ends, painted, without bolts, surface hardened to 57-67 Rc a minimum of 1/8" deep.

Hardened area approximately 5/8" from bottom of cutting edge and 3" high.

Description		Theoretical Mill Weight Per Linear Foot In Pounds
3/4" x 6"	Curved Single Bevel	14.4
3/4" x 8"	Curved Single Bevel	19.1

NOTE: For information on end bits, scarifier shanks, tips, model numbers and cutting edge sizes, refer to the applicable OEM section.