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Case Number : 06-350-GA-CMR

File Date : 11/8/06

Section : 1 of 2

Number of Pages : 200

Description of Document : Text

FILE

06-350-GA-CMR

Original Cost Valuation

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Oxford Natural Gas Company

Oxford, Ohio

October 2006

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TABLE OF CONTENTS

		Page
1.0	INTRODUCTION	1-1
	General	1-1
	Scope and Work	1-1
2.0	ORIGINAL COST	2-1
	General	2-1
	Reproduction Cost New	2-1
	Trending	2-2
	Original Cost and Accumulated Depreciation	2-3
3.0	INVENTORY	3-1
	General	3-1
	Mains (Account #376)	3-1
	Measuring and Regulating Station Equipment (Accounts #378 and 379)	3-3
	Services (Account #380)	3-3
	Meters and Meter Installation (Accounts #381 and 382)	3-4
	Land and Land Rights (Account #389)	3-4
	Structures and Improvements (Account #390)	3-5
	Office Furniture and Equipment (Account #391)	3-6
	Transportation and Power-Operated Equipment (Accounts #392 and 396)	3-6
	Tools; Shop and Garage Equipment (Account #394)	3-7
	Other Tangible Property (Account #399)	3-7
4.0	SAMPLING	4-1
5.0	SAMPLE CALCULATION	5-1

LIST OF TABLES

Table No.	Description	
2.1	Reproduction Cost New – Summary by Asset Type	2-2
2.2	Original Cost – Accumulated Depreciation Summary by Asset Type	2-3

LIST OF FIGURES

Figure No.	Description	
2.1	6-Inch Gas Main at 505 Chestnut	3-1
2.2	Town Border Regulating Station	3-3
2.3	Service at 5386 Hester Road	3-3
2.4	Paved Area North of Office	3-4
2.5	Office at 5181 College Pike	3-5
2.6	Table/Chairs	3-6
2.7	Ditch Witch Trencher	3-6
2.8	Generator	3-7
2.9	Parts Inventory	3-7

LIST OF APPENDICES

Appendix	Description
A	Original Cost/Reproduction Cost Valuation Table
B	Pricing Backup
C	Installation Matrix
D	Uniform System of Accounts for Non-Major Gas Utilities (FERC-0115) (Partial)
E	Stored Inventory Listing
F	Inspection Reports and Sample Photographs
G	Inventory Photographs

1.0 INTRODUCTION

General

Oxford Natural Gas Company's (Oxford Gas) service area is located in the City of Oxford and part of the unincorporated area of Oxford Township in Butler County and in part of Gratis and Somers Townships of Preble County. Oxford Gas was initially founded and started operation in 1962 and now has a base of approximately 4,200 residential and commercial customers. Oxford Gas purchases gas from Energy USA.



Currently, there is a pending Rate Case with the Public Utilities Commission of Ohio (PUCO) where it has been identified that the Continuing Property Records (CPR) of Oxford Gas is not adequate for the Rate Case and that additional documentation is needed. The goal of this Valuation Study is to review the records and tangible assets owned by Oxford Gas and prepare an Original Cost valuation of the tangible assets. The PUCO will provide information on the asset depreciation to generate an Accumulated Depreciation (AD) value for the CPR.

Scope of Work

Burgess & Niple, Inc. (B&N) was retained by Oxford Natural Gas Company to prepare an Original Cost valuation of the Company's tangible assets in accordance with the directions from the PUCO. The Scope of Work for the valuation includes the following objectives:

Document assets owned by Oxford Gas as follows:

- Use an electronic version of the underground utility drawings from Oxford Gas to extract, totalize, tabulate, and inventory the 60% underground assets by pipe material, size, and age. Age of underground assets will be identified based on interviews with key existing and former Company personnel.
- Inventory aboveground, tangible assets owned by Oxford Gas, right-of-ways, and leased equipment will not be included in this inventory task. Inventories of "stock" or "warehouse" material or equipment will be based on the records of Oxford Gas. Land

costs will be extracted through available information from the Butler County Auditor's office

- Tax asset records will be reviewed and compared to verify the approximate quantity(s) of the tangible assets that are identified in the Engineer's inventory.
- Interview existing and former Company officials, (such as Mr. Harold Ramsey, retired) to establish accuracy of utility drawings and condition and age of underground gas utilities. This input will be used to edit/update the utility drawings.
- Select at random, eight locations in the gas distribution piping system to be exposed by representatives of Oxford Gas and viewed to verify pipe material and size. Photograph and catalog this information as part of a written report to Oxford Gas.

Interview Oxford Gas staff or local Contractor(s) to identify a typical labor and equipment cost (crew cost) for the installation of gas line utility work in that locale. Combine the local, hourly (or other increment) crew cost with an appropriate, productivity factor from *RS Means Cost Guide* to develop the lineal cost for each category of gas line piping.

- Develop and provide a cost matrix for the gas line piping that identifies each component of cost.
- Provide a Reproduction Cost New/Original Cost table of tangible assets consistent with the *Uniform System of Accounts for Non-Major Gas Utilities* as adapted by the Federal Energy Regulatory Commission in Publication No. FERC-0115. Identify the *Handy Whitman Index* utilized to develop each Original Cost value. The Reproduction Cost New/Original Cost table will be referenced and/or hyper-linked as applicable to costing sources used in this estimate.
- Prepare a final report and documentation that will be used by Oxford Gas in the *Rate Case* pending with the PUCO.

2.0 ORIGINAL COST

General

Original Cost is generally referred to as the “book value” or the cost of the asset when originally purchased or placed in service. The depreciated Original Cost is the cost of the assets adjusted for decline in value due to wear and tear or obsolescence caused by normal usage or time (depreciation). The depreciation factor in this valuation will be provided by PUCO staff to develop the Accumulated Depreciation (AD) value for the assets. A detailed asset listing for the Original Cost values is shown in the Original Cost/Reproduction Cost Valuation table.

This valuation study has provided an estimate of the Original Cost of the Oxford Gas assets which was trended from the Reproduction Cost New (RCN) estimate of the tangible assets.

Reproduction Cost New

For purposes of this valuation, the RCN value is defined as the estimated cost of reproducing the meter installations, equipment, buildings, services, gas mains, and all other assets of the Oxford Gas System with identical materials, standards, design, layout, workmanship and conditions that were used to create the original assets. We have assumed that construction of all the assets in the Oxford Gas system would occur in one continuous effort. The RCN pricing effort included a “hands-on” verification of all of the visible, tangible assets of Oxford Gas and resulted in applying a current material cost, construction cost, engineering cost, administration cost, interest during construction, and entrepreneurial profit to the pricing to arrive at the RCN value. The RCN of the tangible assets in the Oxford Gas System as of January 31, 2006 is \$17,736,000 (Rounded), which is itemized in Table 2.1.

Table 2.1
Reproduction Cost New – Summary by Asset Type

ACCOUNT #	ASSET	RCN*
376	Mains	\$15,275,000
378	Measuring and Regulating Station Equipment-General	4,000
379	Measuring and Regulating Station Equipment-City	--
380	Services	\$750,000
381	Meters	\$832,000
382	Meter Installations	\$63,000
387	Other Equipment	--
389	Land and Land Rights	\$119,000
390	Structures and Improvement	\$519,000
391	Office Furniture and Equipment	51,000
392	Transportation Equipment	N/A
** 393	Stores Equipment	--
394	Tools; Shop and Garage Equipment	\$34,000
396	Power-Operated Equipment	N/A
398	Miscellaneous Equipment	--
399	Other Tangible Property	\$89,000
	Total	\$17,736,000

* RCN figures shown are rounded and include interest during construction and engineering costs.

** Stores Equipment listed under Account #390 in OC/RC valuation table.

Trending

The RCN values developed in the valuation were trended back to the estimated date of installation to determine the Original Cost. Trending factors from (1) *Handy Whitman Index of Public Utilities Construction Cost – Bulletin No. 163* and/or (2) Consumer Price Index from the Department of Labor were used to establish the Original Cost. The *Handy Whitman Index - Bulletin No. 163* was utilized for the categories of Mains, Measuring and Regulating Station Equipment-General, Measuring and Regulating Station Equipment- City, Services, Meters, and Meter Installations, but was not applicable to the remaining categories, so the Consumer Price Index was assigned to those assets. The *Handy Whitman- Bulletin No. 163* tables are divided into different geographical categories and the Oxford, Ohio factors are found under the “north central region.” As an example, a gas main asset that was installed in 1980 has a *Handy Whitman Cost Index* of 187 as compared to a current cost index of 409. The cost index ratio for this example would be $(409/187)$ 2.19, which means the Original Cost for this asset would be $1/2.19$ (or 45.7 percent) times the RCN value.

Original Cost and Accumulated Depreciation

The Original Cost of the tangible assets in the Oxford Gas system was trended from the estimated reproduction cost values and is estimated to be \$5,918,000 (Rounded) and is itemized in Table 2.2.

The Accumulated Depreciation (AD) was established by applying an appropriate depreciation factor to the Original Cost values and the number of years since installation. The Accumulated Depreciation of the tangible assets is estimated to be \$3,701,000 (Rounded) and is itemized in Table 2.2.

Table 2.2
Original Cost – Accumulated Depreciation
Summary by Asset Type

ACCOUNT #	ASSET	OC*	AD*
376	Mains	\$4,292,000	\$2,462,000
378	Measuring and Regulating Station Equipment-General	\$5,000	\$2,000
379	Measuring and Regulating Station Equipment-City	--	--
380	Services	\$237,000	\$306,000
381	Meters	\$590,000	\$485,000
382	Meter Installations	\$15,000	\$12,000
387	Other Equipment	--	--
389	Land and Land Rights	\$119,000	--
390	Structures and Improvement	\$279,000	\$270,000
391	Office Furniture and Equipment	35,000	\$27,000
392	Transportation Equipment	126,000	\$94,000
** 393	Stores Equipment	--	--
394	Tools; Shop and Garage Equipment	\$27,000	\$16,000
396	Power-Operated Equipment	103,000	\$24,000
398	Miscellaneous Equipment	--	--
399	Other Tangible Property	\$90,000	\$3,000
Total		\$5,918,000	\$3,701,000

* OC and AD figures shown are rounded and include interest during construction and engineering costs.

** Stores Equipment listed under Account #390 in OC/RC valuation table.

3.0 INVENTORY

General

The tangible assets and related records were examined to establish the most reliable asset inventory. The specific effort(s) involved in each category is listed below for the following: (1) Land and Land Rights; (2) Structures and Improvements; (3) Mains; (4) Measuring and Regulating Station Equipment-General; (5) Measuring and Regulating Station Equipment-City; (6) Services; (7) Meters; (8) Meter Installations; (9) Other Equipment; (10) Office Furniture and Equipment; (11) Transportation Equipment; (12) Stores Equipment; (13) Tools; Shop and Garage; and (14) Power-Operated Equipment. The assets that have been listed in the Original Cost/Reproduction Cost Valuation table have been listed in a format consistent with the *Uniform System of Accounts for Non-Major Gas Utilities* per Federal Publication No. FERC-0115. For purposes of this valuation, the Oxford Gas assets were assigned to only the Distribution Plant and General Plant account categories.

Mains (Account #376)

The Oxford Gas mains are shown on the Company's distribution maps, which consist of 55 digitized electronic drawings and hard-copy drawings that show the location of the gas mains and generally indicate the pipe size, pipe material, valves, valve numbers, and curb stops. According to the Oxford Gas maps, the mains vary in size from 3/4-inch diameter to 6-inch diameter and are either polyethylene plastic or steel, with the steel mains being either plastic-coated or bare steel. The steel mains are provided with anodic corrosion protection and have, galvanic monitoring stations. The gas main shown on Figure 2.1 was exposed during the sample verification process and is estimated to be installed in the mid 1970s.

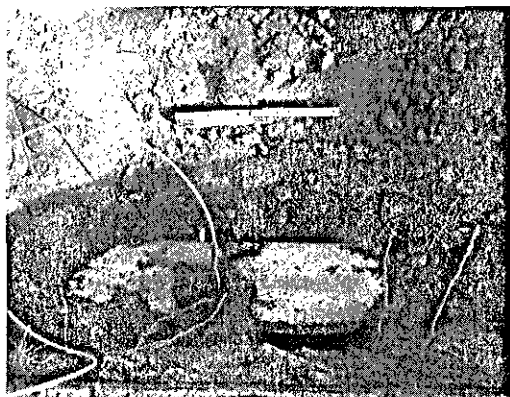


Figure 2.1 - 6-Inch Gas Main at 505 Chestnut

The electronic version of the distribution mapping was originally generated from off of an Oxford Gas historic paper copy through the services of a consultant (DDS Surveying, Inc.). The drawings are maintained by Oxford Gas staff and edited, as gas main extensions are made to the system. In conjunction with this valuation, the accuracy of the mapping was reviewed and checked on a sheet-by-sheet basis with Mr. Harold Ramsey (Oxford Gas Superintendent, retired) to determine if the mapping (pipe size and pipe materials) needed to be adjusted. The Oxford Gas yearly extension records, along

with input from Mr. Ramsey, covered approximately half of the mains. The information on the half of the system that was identified was used to assign the date of installation for the remaining gas mains. Each gas main increment was assigned to a 5-year time window for the date of installation. For example, a main that was installed in 1977 was assigned to a 1976 to 1980 window. The average of the 1976 and 1980 price indices was then used for the price index of any gas main installed in 1977. The mapping was also checked to verify that the drawings did not have any retired mains or any mains that were installed after the Date Certain milestone of January 31, 2006. The maps were then scanned and digitized through AutoCad into separate layers by (a) pipe diameter; (b) pipe material; and (c) date of installation after which a GIS map was created. Gas main quantities were then obtained from the GIS drawings through a quantity-extraction routine.

An Installation Matrix (refer to Appendix C) was developed that addressed material cost, overhead/profit, production, crew costs, backfill costs, pavement removal and replacement, and traffic maintenance. It should be noted that even though Oxford Gas crews have historically installed almost all of their own gas mains, the crew installation costs in the matrix were based upon a publicly-bid format and installation by a local, qualified Contractor (Miller Pipeline Corporation). Oxford Gas crew costs were tabulated for comparison purposes and estimated to be approximately 10 percent less than that of an out-sourced Contractor. The gas mains were priced out assuming an average trench cover of 24 inches, controlled density backfill (CDF) under pavement, and premium sand/gravel backfill outside of pavement, and that the installation would be by a backhoe or trencher method. It was taken into account that the City of Oxford requires that utility lines under pavement areas be installed with CDF backfill. Based on information from Oxford Gas records, the Installation Matrix was set up for 60 percent of the gas mains to be under pavement. The on-site sampling effort yielded a range of 26 to 34 inches of cover at the eight sample sites, as compared to the assumed 24 inches that was used for pricing. The gas mains are estimated to have an RCN value of \$15,275,000 (Rounded).

Measuring and Regulating Station Equipment (Accounts #378 and 379)

Oxford Gas has one General (Account #378) measuring and regulating station located on Route



27 south of town and one City (Account #379) measuring and regulating station located near the generating plant of Miami University. The stations consist of aboveground piping and appurtenances that are located in a locked, fenced area. The piping/appurtenances are made up of steel piping, pressure regulators, pressure relief valves, pressure gauges, pressure chart recorders and gas pre-heaters. Oxford Gas also owns the regulator and meter at the Miami University connection. The stations were inventoried, nameplate data was recorded, and photos were taken. Several equipment suppliers were contacted for quotes on this installation. The Town Border regulating station is shown in the foreground of the adjacent photo, while other piping in this photo is owned by Energy USA.

Services (Account #380)

Services are shown on the Oxford Gas distribution maps and are usually kept up-to-date on a

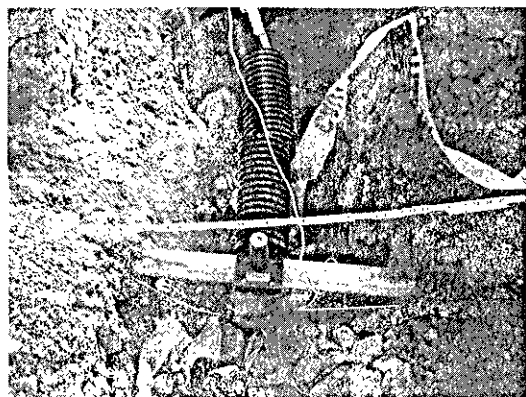


Figure 2.3 - Service at 5386 Hester Road

weekly basis based on work orders and/or field reports. Service materials and sizes are also shown on the distribution maps, but are not differentiated from the gas mains. Any company-owned services shown on the maps without a size or material delineation were defaulted to a 3/4-inch diameter plastic category. Most of the service lines shown on the maps were 3/4-inch diameter. It was established from input from Oxford Gas staff that Oxford Gas owns those “service” lines that serve multiple

customers, but does not usually own or maintain any of the service lines from the curb stop to the house for individual (residential) customers. Single service lines to residential users were not included as an asset in this valuation. However, Oxford Gas does own, install, and maintain the gas meters on all of the service lines. The gas service lines were assumed to have 24 inches of cover and the same 60 percent of utility under pavement. The 3/4-inch service shown on Figure 2.3 was exposed as part of a recent service tap made by Oxford Gas.

The service lines were not designated separately from the gas mains on the electronic edition of the Oxford Gas distribution mapping, so the quantity extraction routine lumped the services and main quantities together. A hard copy of the mapping was reviewed and the services were manually identified, quantified, and subtracted from the gas main quantities.

Depending upon the vintage of the service line, it has been established that curb shut-off valves were not always installed on some of the older lines. Based upon information from Oxford Gas, all but 40 of the 4,127 services have a valve shutoff at the curb. A five-year time window was also assigned to the services. However, an average cost index factor was developed and applied to all of the services and is listed in Appendix B. The estimated RCN for services is \$750,000 (Rounded).

Meters and Meter Installation (Accounts #381 and 382)

Meters are not designated on the gas main distribution maps. Currently, Oxford Gas has approximately 4,127 meters installed in the system. The number of meters that are active (“turned on”) varies considerably because of the student influx from Miami University. According to input from Oxford Gas, the in-house staff can install meters in approximately 30 minutes. This production rate was used to price out the meter installation costs, which is approximately \$14 per meter. The meters in the system are a temperature-compensated, diaphragm-type, and are similar to Model AC-250 as manufactured by the American Meter Company (ABC). The estimated RCN for the meters and meter installation is \$895,000 (Rounded).

Land and Land Rights (Account #389)

Oxford Gas owns two contiguous parcels of land where the office building is currently sited on 5181 College Corner Pike and the value that was assigned to the land was obtained from the 2005 records that Oxford Gas had on file which they had received from the Butler County Treasurer’s office. As indicated in Table 2.1, the current (RCN) land value for Parcel No. H4100-019-000-026 is \$38,500 and for parcel No. H4100-019-000-045 is \$81,400. The northerly portion of the two parcels with frontage on College Corner Pike is shown on Figure 2.4.



Figure 2-4 - Paved Area North of Office

According to Oxford Gas, there may be easements associated with some of the gas main locations, but there were no available records that identified these easements and there was no time available to research the County Recorder's office so, accordingly, this valuation did not include any value for easements. Oxford Gas noted that they have three railroad utility crossing permits with CSX Transportation and that these permits have a total annual fee of \$375.00 associated with them. These fees are noted for record purposes, but are not included in the tangible assets.

Structures and Improvements (Account #390)

The Oxford Gas office building at 5181 College Corner Pike represents the only structure asset in the system and was inventoried by measuring, photographing, and recording all pertinent information involved with the building and the building site, including the type of wall, floor and roof construction.

The office building consists of two, semi-separate, "slab" on-grade structures that have a partial, common wall between them and is shown on Figure 2.5. The southerly portion of the building is a single story, wood-framed structure that houses the main entrance, lobby, clerical area, and two offices. The northerly portion of the building is a two story, wood-framed structure that has two work areas, kitchenette, three bathrooms, meeting room, various storage rooms, and garage and maintenance area. This building was priced out using the *2006 RS Means Square Foot Costs* publication for one-story and two-story residential construction structures, which can be found on pages 28 and 30 of that publication. The *RS Means Square Foot Costs* of \$81.70/square foot and \$69.68/square foot was interpolated from the tables and applied respectively to the 1,858 square foot one-story, and the 3,136 square foot two-story structures.

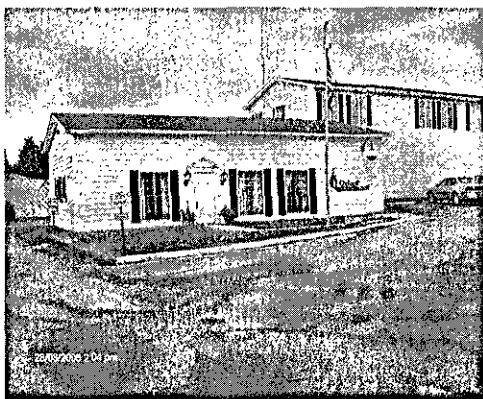


Figure 2.5 - Office at 5181 College Pike

Adjustments in the *RS Means Square Foot Costs* values were then made for items such as (1) wood siding versus vinyl siding; (2) basement versus slab-on-grade; (3) attached versus built-in garage; (4) kitchen versus kitchenette; (5) alarm system added; and (6) baths versus half-baths. The outside site features that we observed in this account included: (1) paved drive and parking; (2) concrete walk; (3) curbing (concrete and asphalt); (4) chain link fencing with motor-operated gate; (5) concrete push wall; (6) storm inlets and sewer; (7) exterior lighting; and (8) drop-off box. A tabulation on pricing of the building components is listed in the "Square Foot Costs" tabulation found in Appendix B.

For the purpose of this valuation, the built-in counter in the lobby area was priced out as 50 percent of the value of a similar sized kitchen counter.

The RCN value of the building and site improvements is estimated to be \$519,000 (Rounded) as compared to a value of \$959,030, which was listed in the Butler County Treasurer's 2005 tax statement for Parcel No. H400-999-001-300. After viewing tax statements from previous years, several additional disparities were identified and it was concluded that the assigned price of \$519,000 was accurate for the purposes of this valuation.

Office Furniture and Equipment (Account #391)

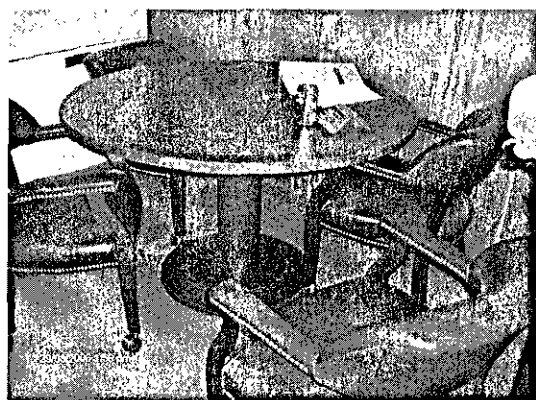


Figure 2.6 – Table/Chairs
shown on Figure 2.6.

The office furniture was observed, inventoried and photographed for this valuation. The furniture and office equipment was priced from various Office Supply vendors, which are listed in Appendix B and hyper-linked in the Original Cost/Reproduction Cost valuation table. The stored monitors and other peripheral computer hardware that was stored in one of the second floor rooms were not included in this valuation, since they were assumed to have a minimal value, and would not have a comparable model that is currently available. Office furniture in one of the two lower level offices is

Transportation/Power-Operated Equipment (Accounts #392 and 396)

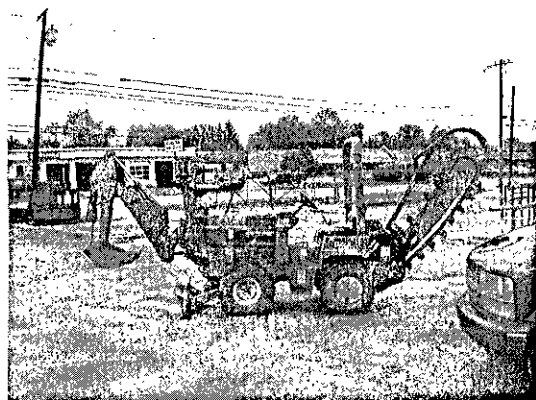


Figure 2.7 - Ditch Witch Trencher

Transportation and power-operated equipment were examined and inventoried and photographed at the Oxford Gas office. Equipment features and mileage/hours were noted. Oxford Gas also provided available purchase orders and "sticker" information on the equipment. The transportation fleet consists of two vans, one dump truck, two pickup trucks, and one panel truck. The power-operated equipment consists of three equipment trailers, a trailer-mounted vacuum "pot-hole" rig, a Ditch Witch trencher; a Vermeer wheeled backhoe, a Bobcat loader, and a Clark pallet loader. Any equipment that was noted as being leased was not included in this valuation. The RCN was not estimated for this

category, since a current value of a 2006 model would not be trendable to the Original Cost model. In this category, purchase order information from Oxford Gas files was used directly for the Original Cost value. The Ditch Witch trencher is shown on Figure 2.7.

Tools; Shop and Garage Equipment (Account #394)

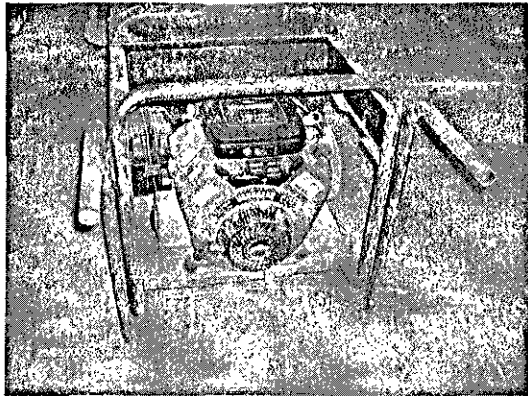


Figure 2.8-Generator

Oxford Gas has various tools and related equipment stored in their trucks and vans and in the garage area of the office building. These items were observed, inventoried, and photographed and then priced out in *McMaster-Carr* and numerous other sources, which are listed in Appendix B and hyper-linked in the Original Cost/Reproduction cost valuation table. A portable generator that is stored in the garage area is shown on Figure 2.6. The RCN of this category is estimated to be approximately \$34,000 (Rounded).

Other Tangible Property (Account #399)



Figure 2.9 - Parts Inventory

Oxford Gas maintains an inventory of fittings, valves, meters, repair repair clamps and other appertaining parts that are stored in the garage bay of the office building. Oxford Gas provided a stored inventory listing (included in Appendix E), which was generated in January 2006. That list was spot-checked in the field against the items currently in storage and found to be representative of the current inventory count. This equipment was priced out using the costs listed in the Oxford Gas stored inventory document and the RCN were estimated to be \$89,000 (Rounded). Some of the inventory on spare parts in the storage area of the garage is shown on Figure 2.9.

4.0 SAMPLING

In order to confirm the content of the distribution maps as pertains to pipe size and type, eight gas main locations were selected to be exposed, measured, and observed. Four locations were on steel mains and the other four were on plastic mains. The locations were selected based on creating a minimum of disturbance to traffic and other buried utilities. The selections were also based on sampling piping of different vintages, as some of the locations were of 1971-1975 vintage, and some were installed after 2000. The trench cover and backfill conditions were also observed to substantiate the cost for the gas main installation. The sample exposures were recorded as to outside pipe diameter, material, and pipe condition; and the Inspection Reports, along with the sample photos, are included in Appendix F. All eight samples verified that the gas main size and material that was shown on the distribution maps was accurate.

The eight sampling locations indicated that the trench cover varied from 26 to 34 inches as compared to the 24 inches assumed for pricing purposes. Based on the observed exterior condition of the gas mains, all eight locations indicated that the piping was in very good condition.

5.0 SAMPLE CALCULATION

The following sample calculation(s) is presented for the 2-inch steel gas main asset (Account #376) to assist in following and understanding the material/data that has been presented in the Original Cost/Reproduction Cost valuation table and other locations throughout the Appendices. Other assets in the valuation table have been priced out in a manner comparable to the 2-inch steel gas main.

Unit cost per foot, (Refer to Installation Matrix/Appendix C). The unit cost of \$29.35 per lineal foot (lf) for 2-inch steel shown in the referenced matrix (Column P; Line 12) consists of eight components: (a) Material Costs; (b) Material Cost Markup; (c) Crew Costs; (d) Granular Backfill; (e) Controlled Density Fill (CDF) Backfill; (f) Pavement Removal; (g) Pavement Replacement; and (h) Traffic Maintenance which are listed in the Installation Matrix in Appendix C.

- (a) **Material Costs:** Based on the quote of Consolidated Pipe and Supply Company, Inc. (Appendix B).
 - 2-inch (2 3/8-inch outside diameter) - **\$3.88** per lineal foot.
 - The price of \$3.88 can be found in Column D of the Installation Matrix.
- (b) **Material Markup:** The material markup has been based on an accepted, historical threshold of 15 percent.
 - Markup = $0.15 \times \text{material cost}$.
 - For 2-inch steel: Markup = $0.15 \times \$3.88/\text{ft} = \mathbf{\$0.58/\text{ft}}$. (Refer to Column E/ Installation Matrix).
- (c) **Crew Costs:** Crew costs per lineal foot were derived from crew costs per day and lineal foot production.
 - 2-inch steel: Man-hour cost is \$70/hour with a 4-man crew (per Miller Pipeline Company).
$$\$70/\text{hour} \times 4\text{-man crew} = \$280/\text{crew-hour}.$$
$$8 \text{ hours/day} \times \$280 \text{ per crew-hour} = \$2,240/\text{day}. \text{ (Refer to Column G/Installation Matrix).}$$

Refer also to Index for Installation Matrix/Appendix C.
 - 280 lf/day (*RS Means* Production) (Column F/Installation Matrix).

- **Cost per lineal foot:**

Crew Cost/Day ÷ lineal foot production/day = 2,240 \$/day ÷ 280 lf/day = **\$8.00/lf**.
(Refer to Column I/Installation Matrix).

(d) **Granular Backfill Costs:** Granular backfill has been assumed to occur at 40 percent of the gas utility locations and is figured as follows:

- (Trench width (ft) times trench cover (ft) ÷ 27 cf/cy) x cost/cy x 40% = cost per lf.
- Trench width: = 1.5 ft
- Trench cover = 2.0 ft.
- Cost/cy = \$32 (*R.S. Means* Page 62; Line 0050)
- Cost/lf = (2.0' x 1.5' ÷ 27) cf/sy x \$32/cy x 40% = **\$1.42/lf**. (Refer to Column H/Installation Matrix).

(e) **CDF Costs:** CDF fill is required at utilities installed under pavement:

- Cost/lf = (trench width (ft) x trench cover (ft) ÷ 27) cf/cy x cost/cy.
- Trench width = 1.5 ft.
- Trench cover = 2.0 ft.
- Cost/cy = \$87.50/cy (*R.S. Means* Page 154; Line 4300)
- Cost/lf = (1.5' x 2.0' ÷ 27 cf/cy) x \$87.50/cy = **\$9.72/lf**. (Refer to Column M/Installation Matrix).

(f) **Pavement Removal:** Pavement removal has been assumed to be 1 foot beyond each side of the trench sides:

- 1.5 ft trench width + 2.0 ft = 3.5 ft width of pavement replacement.
- Width of replacement (ft) ÷ 9 sf/sy x \$/sy = cost/lf.
- \$/sy = \$7.00 (*RS Means* Page 36; Line 5050).
- (3.5 ft ÷ 9 sf/sy) x \$7.00/sy = **\$2.72/lf**. (Refer to Column K/Installation Matrix).

(g) **Pavement Replacement:** Pavement replacement is also assumed to 3.5 feet wide. (Width of replacement (ft) ÷ 9 sf/sy) x \$/sy = cost/lf.

- \$/lf = \$31.50 (*RS Means* Page 97; Line 1000).
- 3.5' ÷ 9 sf/sy x \$31.50/sy = **\$12.25/lf**. (Refer to Column L/Installation Matrix).

(h) **Maintain Traffic:** (Refer to Index for Installation Matrix).

- \$/lf = \$0.66 (Table 42 U.S. EPA *Publication 68-03-3266*; refer to Index for Installation Matrix – 1989 Index).

Convert to 2006 \$/lf: (2006 Cost Index/1989 Cost Index) x \$0.66/lf = 7,660/4,615 x \$0.66/lf = **\$1.10/lf.**

The Pavement Removal, Pavement Replacement, Controlled Density Fill Costs, and Maintenance of Traffic occurs 60 percent of main locations, so these four items are factored by that amount.

In-Pavement Cost/lf = (Pavement Removal + Pavement Replacement + CDF + Traffic Maintenance Costs/lf) x 0.60 = (2.72 \$/lf + 12.25 \$/lf + 9.72 \$/lf + 1.10 \$/lf) x 0.60 = **\$15.47/lf.** (Refer to Column O/Installation Matrix).

Total Unit Cost/lf = Material Cost/lf + Markup/lf + Crew Cost/lf + Backfill/lf + In-Pavement Cost/lf = (\$3.38 + \$0.58 + \$1.42 + \$8.00 + \$15.47/lf) = **\$29.35/lf.** (Refer to Column P; Line 12/Installation Matrix).

The \$29.35/lf does not include the 4 percent interest during construction and 6 percent engineering components; so the total unit price would be 1.10 x 29.35 \$/lf = **\$32.29/lf.**

Estimated Reproduction Cost. (Refer to page 2 of the Original Cost/Reproduction Cost Valuation Table), Appendix A. The estimated reproduction costs are listed in the titled column, which has eight asset categories for 2-inch steel gas mains based on the eight purchase year time windows. The lineal foot reproduction unit price is, of course, the same for all eight time windows, and can be verified by dividing any of the “estimated reproduction cost” values by the corresponding lineal footages listed in the “Asset” category. For example, the Reproduction Cost of \$283,106.74 divided by the corresponding footage of 8,766 feet yields a unit price per foot of \$32.29, which, as shown, was developed from Column P of the Installation Matrix in Appendix C.

APPENDIX A
ORIGINAL COST/REPRODUCTION COST VALUATION TABLE

OXFORD NATURAL GAS CO.
5181 College Corner Pike
P.O. Box 880
Oxford, OH 45056

Date Certain January 31, 2006

Summary

Asset Type	Account Number	Estimated Reproduction Cost	Original Cost	Accumulated Depreciation
MAINS	376	\$ 15,274,666.97	\$ 4,291,922.58	\$ 2,462,286.22
MEASURING & REGULATING STATION EQUIPMENT-- GENERAL	378	\$ 3,933.60	\$ 5,345.00	\$ 2,166.65
MEASURING & REGULATING STATION EQUIPMENT-- City gate check station	379	\$ 462.55	\$ 59.68	\$ 102.46
SERVICES	380	\$ 749,474.00	\$ 236,875.47	\$ 305,806.24
METERS	381	\$ 831,600.00	\$ 589,991.86	\$ 484,740.89
METERS INSTALLATIONS	382	\$ 63,140.00	\$ 15,276.30	\$ 12,182.06
OTHER EQUIPMENT	387			
LAND & LAND RIGHTS	389	\$ 119,000.00	\$ 119,000.00	
STRUCTURE & IMPROVEMENTS	390	\$ 518,514.83	\$ 278,860.55	\$ 269,921.77
OFFICE FURNITURE & EQUIPMENT	391	\$ 51,429.40	\$ 35,196.12	\$ 26,996.67
TRANSPORTATION EQUIPMENT	392	\$ 170.00	\$ 126,169.95	\$ 93,780.81
STORES EQUIPMENT	393			
TOOLS, SHOP & GARAGE EQUIPMENT	394	\$ 33,860.84	\$ 26,794.50	\$ 15,855.40
POWER OPERATED EQUIPMENT	396	\$ -	\$ 102,393.00	\$ 23,750.16
MISCELLANEOUS EQUIPMENT	398	\$ 315.00	\$ 283.78	\$ 86.75
OTHER TANGIBLE PROPERTY	399	\$ 89,440.83	\$ 89,440.83	\$ 3,478.01
Account Totals		\$ 17,736,008.02	\$ 5,917,609.64	\$ 3,701,154.08

* Engineering Cost (6%) and Interest During Construction (4%) Markups Not Applied
To Land & Rights, Transportation Equipment, And Power Operated Equipment Categories.

OXFORD NATURAL GAS CO.
5181 College Corner Pike
P.O. Box 880
Oxford, Oh 45056

Date Certain January 31, 2006

ORIGINAL COST/REPRODUCTION COST VALUATION TABLE

Asset Type	Account Number	Asset	Photo No.	Purchase Year	Pricing Reference Note	Estimated Reproduction Cost	Cost Index Factor	Original Cost	P.U.C.O. Depreciation Factor (Note: 2)	Accumulated Depreciation (Note: 3)
Distribution Plant										
Land and Land Rights	374	N/A								
	375	N/A								
STRUCTURE & IMPROVEMENTS										
MAINS										
See Note: 1 below										
	376	PE. 1/2" (186 lf.)	N/A	1966 - 1970	pipe matrix	\$ 4,022.44	5,357	\$ 750.87	0.962	\$ 722.44
	376	PE. 1/2" (226 lf.)	N/A	1971 - 1975	pipe matrix	\$ 4,887.48	3,964	\$ 1,232.97	0.834	\$ 1,028.45
	376	PE. 3/4" (17 lf.)	N/A	<1965	pipe matrix	\$ 369.33	5,958	\$ 61.99	1.039	\$ 64.40
	376	PE. 3/4" (994 lf.)	N/A	1966 - 1970	pipe matrix	\$ 21,594.65	5,357	\$ 4,031.11	0.962	\$ 3,878.43
	376	PE. 3/4" (801 lf.)	N/A	1971 - 1975	pipe matrix	\$ 13,056.73	3,964	\$ 3,293.83	0.834	\$ 2,747.46
	376	PE. 3/4" (447 lf.)	N/A	1976 - 1980	pipe matrix	\$ 9,711.08	2,698	\$ 3,599.36	0.706	\$ 2,541.60
	376	PE. 3/4" (494 lf.)	N/A	1981 - 1985	pipe matrix	\$ 10,732.15	1,937	\$ 5,540.60	0.629	\$ 3,486.84
	376	PE. 3/4" (446 lf.)	N/A	1986 - 1990	pipe matrix	\$ 9,689.35	1,632	\$ 5,937.10	0.450	\$ 2,672.44
	376	PE. 3/4" (313 lf.)	N/A	1991 - 1995	pipe matrix	\$ 6,799.93	1,408	\$ 4,829.49	0.322	\$ 1,555.70
	376	PE. 3/4" (142 lf.)	N/A	1996 - 2000	pipe matrix	\$ 3,084.95	1,267	\$ 2,434.85	0.194	\$ 472.66
	376	PE. 3/4" (8 lf.)	N/A	2001 - 2005	pipe matrix	\$ 173.80	1,108	\$ 156.86	0.066	\$ 10.37
	376	PE. 1" (157 lf.)	N/A	<1965	pipe matrix	\$ 3,438.46	5,958	\$ 577.12	1.039	\$ 599.58
	376	PE. 1" (2597 lf.)	N/A	1966 - 1970	pipe matrix	\$ 56,876.90	5,357	\$ 10,617.30	0.962	\$ 10,215.17
	376	PE. 1" (2578 lf.)	N/A	1971 - 1975	pipe matrix	\$ 56,460.78	3,964	\$ 14,243.38	0.834	\$ 11,880.76
	376	PE. 1" (1557 lf.)	N/A	1976 - 1980	pipe matrix	\$ 34,098.86	2,698	\$ 12,638.94	0.706	\$ 8,924.67
	376	PE. 1" (988 lf.)	N/A	1981 - 1985	pipe matrix	\$ 21,638.19	1,937	\$ 11,170.98	0.578	\$ 6,458.22
	376	PE. 1 1/4" (6236 lf.)	N/A	1966 - 1970	pipe matrix	\$ 141,856.53	5,357	\$ 26,480.59	0.962	\$ 25,477.63
	376	PE. 1 1/4" (3880 lf.)	N/A	1971 - 1975	pipe matrix	\$ 88,262.24	3,964	\$ 22,265.95	0.834	\$ 18,572.58
	376	PE. 1 1/4" (8998 lf.)	N/A	1976 - 1980	pipe matrix	\$ 204,686.50	2,698	\$ 75,866.01	0.706	\$ 53,570.87
	376	PE. 1 1/4" (4952 lf.)	N/A	1981 - 1985	pipe matrix	\$ 112,648.10	1,937	\$ 58,155.96	0.578	\$ 33,621.40
	376	PE. 1 1/4" (1799 lf.)	N/A	1986 - 1990	pipe matrix	\$ 40,923.65	1,632	\$ 25,075.77	0.450	\$ 11,287.22
	376	PE. 1 1/4" (1996 lf.)	N/A	1991 - 1995	pipe matrix	\$ 45,405.01	1,408	\$ 32,247.88	0.322	\$ 10,387.84
	376	PE. 1 1/4" (6701 lf.)	N/A	1996 - 2000	pipe matrix	\$ 152,434.35	1,267	\$ 120,311.25	0.194	\$ 23,355.40
	376	PE. 2" (11285 lf.)	N/A	1971 - 1975	pipe matrix	\$ 263,538.61	3,964	\$ 66,483.00	0.834	\$ 55,455.12
	376	PE. 2" (3714 lf.)	N/A	1976 - 1980	pipe matrix	\$ 86,733.04	2,698	\$ 32,147.16	0.706	\$ 22,699.91
	376	PE. 2" (4176 lf.)	N/A	1981 - 1985	pipe matrix	\$ 97,522.13	1,937	\$ 50,346.99	0.578	\$ 29,106.85
	376	PE. 2" (23227 lf.)	N/A	1986 - 1990	pipe matrix	\$ 542,420.13	1,632	\$ 332,865.28	0.450	\$ 149,605.85
	376	PE. 2" (12825 lf.)	N/A	1991 - 1995	pipe matrix	\$ 298,502.23	1,408	\$ 212,714.65	0.322	\$ 68,520.66
	376	PE. 2" (23884 lf.)	N/A	1996 - 2000	pipe matrix	\$ 557,763.05	1,267	\$ 440,223.40	0.194	\$ 85,458.28
	376	PE. 2" (3377 lf.)	N/A	2001 - 2005	pipe matrix	\$ 78,863.08	1,108	\$ 71,176.07	0.066	\$ 4,706.50
	376	PE. 4" (12042 lf.)	N/A	1971 - 1975	pipe matrix	\$ 378,973.78	3,964	\$ 95,603.88	0.834	\$ 79,745.57
	376	PE. 4" (2493 lf.)	N/A	1986 - 1990	pipe matrix	\$ 78,457.20	1,632	\$ 48,074.27	0.450	\$ 21,639.42
	376	PE. 4" (3298 lf.)	N/A	1991 - 1995	pipe matrix	\$ 103,759.89	1,408	\$ 73,693.10	0.322	\$ 23,738.38
	376	PE. 4" (5881 lf.)	N/A	1996 - 2000	pipe matrix	\$ 185,080.95	1,267	\$ 146,078.10	0.194	\$ 28,357.38

376	PE. 4" (3018 lf.)	N/A	2001 - 2005	pipe matrix	\$	94,979.48	1,108 \$	85,721.55	0.066 \$	5,668.32
376	PE. 6" (6803 lf.)	N/A	1966 - 1970	pipe matrix	\$	251,663.38	5,357 \$	46,978.42	0.962 \$	45,199.10
376	PE. 8" (339 lf.)	N/A	1971 - 1975	pipe matrix	\$	15,930.29	3,964 \$	4,018.74	0.834 \$	3,352.13
376	Steel 3/4" (519 lf.)	N/A	<1965	pipe matrix	\$	15,191.65	9,594 \$	1,583.45	1.039 \$	1,645.09
376	Steel 3/4" (7367 lf.)	N/A	1966 - 1970	pipe matrix	\$	215,639.46	8,422 \$	25,604.31	0.962 \$	24,634.54
376	Steel 3/4" (4517 lf.)	N/A	1971 - 1975	pipe matrix	\$	132,217.11	5,791 \$	22,831.48	0.834 \$	19,044.30
376	Steel 3/4" (1104 lf.)	N/A	1976 - 1980	pipe matrix	\$	32,315.18	3,899 \$	8,288.07	0.706 \$	5,852.41
376	Steel 3/4" (834 lf.)	N/A	1981 - 1985	pipe matrix	\$	24,412.01	2,746 \$	8,890.03	0.578 \$	5,139.55
376	Steel 3/4" (2335 lf.)	N/A	1986 - 1990	pipe matrix	\$	68,347.79	2,408 \$	28,383.63	0.450 \$	12,776.18
376	Steel 3/4" (103 lf.)	N/A	1996 - 2000	pipe matrix	\$	3,014.91	1,624 \$	1,856.47	0.194 \$	360.39
376	Steel 3/4" (514 lf.)	N/A	2001 - 2005	pipe matrix	\$	15,045.29	1,322 \$	11,380.71	0.066 \$	752.55
376	Steel 1" (1165 lf.)	N/A	1966 - 1970	pipe matrix	\$	34,741.47	8,422 \$	4,125.08	0.962 \$	3,968.85
376	Steel 1 1/4" (13909 lf.)	N/A	1966 - 1970	pipe matrix	\$	428,315.19	8,422 \$	50,975.44	0.962 \$	49,044.74
376	Steel 1 1/4" (15120 lf.)	N/A	1971 - 1975	pipe matrix	\$	466,693.92	5,791 \$	80,589.52	0.834 \$	67,221.72
376	Steel 1 1/4" (3383 lf.)	N/A	1976 - 1980	pipe matrix	\$	104,419.68	3,899 \$	26,781.14	0.706 \$	18,910.83
376	Steel 1 1/4" (1758 lf.)	N/A	1981 - 1985	pipe matrix	\$	54,262.43	2,746 \$	19,760.53	0.578 \$	11,424.06
376	Steel 1 1/4" (2654 lf.)	N/A	1986 - 1990	pipe matrix	\$	81,918.36	2,408 \$	34,019.25	0.450 \$	15,312.91
376	Steel 1 1/4" (163 lf.)	N/A	1996 - 2000	pipe matrix	\$	5,031.16	1,624 \$	3,098.00	0.194 \$	601.40
376	Steel 2" (4451 lf.)	N/A	<1965	pipe matrix	\$	143,749.50	9,594 \$	14,983.27	1.039 \$	15,566.49
376	Steel 2" (63753 lf.)	N/A	1966 - 1970	pipe matrix	\$	2,058,966.89	8,422 \$	244,474.81	0.962 \$	235,215.28
376	Steel 2" (16387 lf.)	N/A	1971 - 1975	pipe matrix	\$	529,234.55	5,791 \$	91,389.15	0.834 \$	76,229.95
376	Steel 2" (8786 lf.)	N/A	1976 - 1980	pipe matrix	\$	283,106.74	3,899 \$	72,610.09	0.706 \$	51,271.78
376	Steel 2" (14396 lf.)	N/A	1981 - 1985	pipe matrix	\$	464,933.22	2,746 \$	169,312.90	0.578 \$	97,883.98
376	Steel 2" (971 lf.)	N/A	1986 - 1990	pipe matrix	\$	31,359.42	2,408 \$	13,023.01	0.450 \$	5,861.98
376	Steel 2" (1703 lf.)	N/A	1991 - 1995	pipe matrix	\$	55,000.09	2,007 \$	27,404.13	0.322 \$	8,827.55
376	Steel 2" (973 lf.)	N/A	1996 - 2000	pipe matrix	\$	31,424.01	1,624 \$	19,349.76	0.194 \$	3,756.27
376	Steel 3" (1178 lf.)	N/A	1966 - 1970	pipe matrix	\$	47,516.99	8,422 \$	5,642.01	0.962 \$	5,428.32
376	Steel 4" (2438 lf.)	N/A	<1965	pipe matrix	\$	113,493.78	9,594 \$	11,829.66	1.039 \$	12,290.13
376	Steel 4" (26948 lf.)	N/A	1966 - 1970	pipe matrix	\$	1,254,390.19	8,422 \$	148,942.08	0.962 \$	143,300.87
376	Steel 4" (15096 lf.)	N/A	1971 - 1975	pipe matrix	\$	702,748.99	5,791 \$	121,351.92	0.834 \$	101,222.65
376	Steel 4" (2564 lf.)	N/A	1976 - 1980	pipe matrix	\$	119,359.33	3,899 \$	30,612.81	0.706 \$	21,616.46
376	Steel 4" (3271 lf.)	N/A	1981 - 1985	pipe matrix	\$	152,271.59	2,746 \$	55,452.15	0.578 \$	32,058.26
376	Steel 6" (5982 lf.)	N/A	<1965	pipe matrix	\$	405,800.93	9,594 \$	42,297.37	1.039 \$	43,943.78
376	Steel 6" (14513 lf.)	N/A	1966 - 1970	pipe matrix	\$	984,518.38	8,422 \$	116,898.41	0.962 \$	112,470.86
376	Steel 6" (8044 lf.)	N/A	1971 - 1975	pipe matrix	\$	545,680.83	5,791 \$	94,229.12	0.834 \$	78,598.85
376	Steel 6" (5804 lf.)	N/A	1976 - 1980	pipe matrix	\$	393,725.95	3,899 \$	100,981.26	0.706 \$	71,305.37
376	Steel 6" (17642 lf.)	N/A	1981 - 1985	pipe matrix	\$	1,196,780.35	2,746 \$	435,826.79	0.578 \$	251,982.27

377 N/A

COMPRESSOR STATION EQUIPMENT

MEASURING & REGULATING

STATION EQUIPMENT- GENERAL

City Line	378	2" 300 WCB Plug Valve (2)	201	378-2	\$	47.30	
City Line	378	Wiki Gauge 0-400 psi (2)	201	378-4	\$	3,506.80	
City Line	378	Streamflo 3" Strainer	201				
City Line	378	2" Fisher Stage I Regulator (2)	201				
City Line	378	100 psi Gauge	201				
City Line	378	Fisher Controls Pressure Release 298 HH-1	201	378-6	\$	379.50	
City Line	378	Pressure Recorder	201				
Miami Line	378	2" Plug Valve (3)	203				
Miami Line	378	600 psi Gauge	203				
Miami Line	378	Fisher/Mooney Pressure Regulator (2)	203				
Miami Line	378	Gauge (2)	203				

OTHER EQUIPMENT

OFFICE FURNITURE & EQUIPMENT
(Note 8)

391.1	Chair, Guest Dark Burgundy (4)	192	2003	391 - 1	\$	660.00	1,070	\$	616.82	0.144	\$	88.58
391.1	Chair, Executive Desk (1)	193	2003	391 - 2	\$	297.00	1,070	\$	277.57	0.144	\$	39.86
391.1	Chair, Guest Wood Arms-Legs (15)	187	1990	391 - 3	\$	2,640.00	1,533	\$	1,722.11	0.866	\$	1,492.06
391.1	Chair, Cloth Swivel-Rocker (13)	171	1990	391 - 4	\$	2,659.80	1,533	\$	1,735.03	0.866	\$	1,503.26
391.1	Stackable Trays (18)	153	1990	391 - 5	\$	237.60	1,533	\$	154.99	0.866	\$	134.293
391.1	Conference Table (1) Oval	86	1990	391 - 6	\$	440.00	1,533	\$	287.02	0.866	\$	248.68
391.1	Bookcases 3' x 6' (1)	142	1990	391 - 7	\$	264.00	1,533	\$	172.21	0.866	\$	149.21
391.1	Bookcases 3' x 4' (2)	150	1990	391 - 8	\$	374.00	1,533	\$	243.97	0.866	\$	211.383
391.1	Bookcases 3' x 5' (1)	88	1990	391 - 8	\$	231.00	1,533	\$	150.68	0.866	\$	130.56
391.1	Audio Visual Cart	87	1985	391 - 9	\$	401.50	1,763	\$	227.74	1.144	\$	260.63
391.1	Garnet Rack (2)	129	1990	391 - 11	\$	814.00	1,533	\$	530.98	0.866	\$	460.05
391.1	Drafting Table	169	1990	391 - 15	\$	151.80	1,533	\$	99.02	0.866	\$	85.79
391.1	4 Drawer Hoz. Metal File Cab. (3)	152	1990	391 - 16	\$	1,914.00	1,533	\$	1,248.53	0.866	\$	1,081.75
391.1	6 Drawer Metal File Cab. (3)	176	1990	391 - 17	\$	1,085.70	1,533	\$	708.22	0.866	\$	613.61
391.1	5 Drawer Metal File Cab. (1)	85	2005	391 - 18	\$	680.90	1,006	\$	676.84	0.032	\$	21.94
391.1	2 Drawer Metal File Cab (4)	80	1990	391 - 19	\$	440.00	1,533	\$	287.02	0.866	\$	248.68
391.1	Flat Files for Plans (3) Stacked	77	1990	391 - 20	\$	2,772.00	1,533	\$	1,808.22	0.866	\$	1,566.67
391.1	Cardboard Drawer Storage (72)	97	1990	391 - 21	\$	3,168.00	1,533	\$	2,086.54	0.866	\$	1,790.48

391.1	Small Refrigerator	172	1990	391-22	\$	94.60	1.533	61.71	0.866	\$	53.47
391.1	L shaped Wood Desk	145	1990	391-24	\$	275.00	1.533	179.39	0.866	\$	155.42
391.1	Formica Table 6' x 3'	153	1990	391-25	\$	56.10	1.533	36.59	0.866	\$	31.71
391.1	Mall Boxex Plastic (16)	118	1990	391-26	\$	72.60	1.533	47.36	0.866	\$	41.03
391.1	Couch	99	1985	391-27	\$	935.00	1.753	533.37	1.144	\$	610.40
391.1	Folding Table 30" x 96" (1)	103	1990	391-25	\$	56.10	1.533	36.59	0.866	\$	31.71
391.1	Wood Desk 3' x 6' (1)	108	1990	391-28	\$	275.00	1.533	179.39	0.866	\$	155.42
391.1	Wood End Table (1)	99	1985	391-29	\$	130.90	1.753	74.67	1.144	\$	85.46
391.1	Computer Work Station	94	1990	391-30	\$	275.00	1.533	179.39	0.866	\$	155.42
391.1	Dry Erase Board w/Doors 4' x 4'	82	1990	391-31	\$	990.00	1.533	645.79	0.866	\$	559.52
391.1	Cabinet 16" d x 48" w x 28" t	83	1990	391-32	\$	110.00	1.533	71.75	0.866	\$	62.17
391.1	Metal Table	78	1990	391-34	\$	88.00	1.533	57.40	0.866	\$	49.74
391.1	Metal Rack	79	1990	391-34	\$	88.00	1.533	57.40	0.866	\$	49.74
391.1	Cabinet 29" d x 71" w x 28" t	113	1990	391-35	\$		1.533		0.866	\$	-
391.1	Desk 3' x 6' Key Board Drawer Only	110	1990	391-28	\$	275.00	1.533	179.39	0.866	\$	155.42
391.1	Computer Table 3' x 7'	111	1990	391-30	\$	275.00	1.533	179.39	0.866	\$	155.42
391.1	Corner Desk 2' w x 6' long	183	1990	391-24	\$	275.00	1.533	179.39	0.866	\$	155.42
391.1	Desk 30" x 5'	175	1990	391-28	\$	275.00	1.533	179.39	0.866	\$	155.42
391.1	Office Partitions 5'-4" x 6' (4)	183	1990	m-402	\$	409.20	1.533	266.93	0.866	\$	231.27
391.1	Printer Stand 2' x 4'	178	1990	391-37	\$	286.00	1.533	186.56	0.866	\$	161.64
391.1	14" X 18" x 3" d Metal Lock Box	174	1990	391-40	\$	141.90	1.533	92.56	0.866	\$	80.20
391.1	48" Pedestal Table	192	1990	391-55	\$	211.20	1.533	137.77	0.866	\$	119.37
391.1	L shaped Wood Desk 10' x 8'	194	1990	391-24	\$	275.00	1.533	179.39	0.866	\$	155.42
391.1	Shelving in Garage Area (25)	40	1988	393-1	\$	5,775.00	1.683	3,431.37	0.978	\$	3,354.56
391.1	Industrial Shelving (3)	61	1988	393-2	\$	990.00	1.683	588.24	0.978	\$	575.07
391.1	Lockers (6)	59	1988	393-3	\$	1,320.00	1.683	784.31	0.978	\$	766.76
391.1	Large Storage Bins Plastic (36)	41	1988	393-5	\$	466.40	1.683	277.12	0.978	\$	270.92
391.1	Small Storage Bins Plastic (300)	40	1988	393-6	\$	2,399.10	1.683	1,425.49	0.978	\$	1,393.58
391.1	Flammable Storage Cabinets	47	1988	393-7	\$	450.00	1.683	294.12	0.978	\$	287.53
391.1	Cylinder Storage Mesh Security Cabinet	46	1988	393-8	\$	550.00	1.683	326.80	0.978	\$	319.48
391.1	Shelving 16" deep 101' long 3/4" Part.Bd.	139	1988	m253-0200	\$	877.80	1.683	521.57	0.978	\$	509.89
391.1	Security Cabinet	45	1988	393-10	\$	745.80	1.683	443.14	0.978	\$	433.22
391.2	VCR	87	1985	391-10	\$	143.00	1.763	81.11	1.373	\$	111.36
391.2	Comb Binding Machine	104	1990	391-12	\$	110.00	1.533	71.75	1.039	\$	74.58
391.2	13" TV RCA	168	1990	391-13	\$	107.80	1.533	70.32	1.039	\$	73.09
391.2	Wall Mount for TV	168	1990	391-14	\$	110.00	1.533	71.75	1.039	\$	74.58
391.2	RCA 24" TV	86	1985	391-33	\$	216.70	1.753	123.62	1.373	\$	169.71
391.2	Cannon Adding Machine (2)	180	1990	391-44	\$	185.90	1.533	121.27	1.039	\$	126.04
391.2	Casio Adding Machine DL-250A (2)	183	1990	391-46	\$	55.00	1.533	35.88	1.039	\$	37.29
391.2	Brother Intellifax Fax Machine	178	1990	391-50	\$	145.20	1.533	94.72	1.039	\$	89.45
391.2	Panasonic Electric Letter Opener	184	1990	391-51	\$	118.80	1.533	77.50	1.039	\$	80.55
391.2	Canon S-40 Floor mdl. Paper Shredder	186	1990	391-52	\$	2,200.00	1.533	1,435.09	1.039	\$	1,491.62
391.2	24" RCA TV	188	1990	391-33	\$	216.70	1.533	141.36	1.039	\$	146.92
391.2	20" GE TV	N/A	1990	391-13	\$	220.00	1.533	143.51	1.039	\$	149.16
391.2	TV Wall Mtd.	N/A	1990	391-14	\$	110.00	1.533	71.75	1.039	\$	74.58
391.2	Casio Adding Machine DL-1200A	194	1990	391-46	\$	55.00	1.533	35.88	1.039	\$	37.29
391.2	Canon Printing Calculator	194	1990	391-44	\$	185.90	1.533	121.27	1.039	\$	126.04
391.3	HP Laser Jet Printer IIsi	174	2003	391-38	\$	440.00	1.083	406.28	0.258	\$	104.94
391.3	12" Panasonic Video Monitor TR-124mp	174	1990	391-39	\$		1.533		1.558	\$	-
391.3	HP Pavilion Monitor 12" M45	179	2003	391-41	\$		1.083		0.258	\$	-
391.3	Dell Key Board	179	2003	391-42	\$	24.20	1.083	22.35	0.258	\$	5.77
391.3	HP Hard Drive Pavilion 526 X	179	2003	391-43	\$	990.00	1.083	914.13	0.258	\$	236.12
391.3	HP Pavilion Monitor 12" Mx50	180	2003	391-41	\$		1.083		0.258	\$	-
391.3	HP Key Board (2)	180	2003	391-45	\$	110.00	1.083	101.57	0.258	\$	26.24

391.3	HP Hard Drive Pavilion XT963	180	2003	391 - 43	\$	990.00	1.083	\$	914.13	0.258	\$	236.12
391.3	HP Pavilion Flat Screen 150 Monitor 15"	183	2003	391 - 47	\$	275.00	1.083	\$	253.92	0.258	\$	65.59
391.3	HP Hard Drive Pavilion 510n (2)	183	2003	391 - 43	\$	1,980.00	1.083	\$	1,828.25	0.258	\$	472.24
391.3	Gateway 12" Monitor	175	2003	391 - 48	\$		1.083	\$		0.258	\$	-
391.3	Dell Optiplex Gxl Hard Drive	175	2003	391 - 49	\$		1.083	\$		0.258	\$	-
391.3	HP Key Board	175	2003	391 - 42	\$	24.20	1.083	\$	22.35	0.258	\$	5.77
391.3	HP Pavilion Monitor 15" Mx70	184	2003	391 - 47	\$	165.00	1.083	\$	152.35	0.258	\$	39.35
391.3	HP Key Board	184	2003	391 - 45	\$	55.00	1.083	\$	50.78	0.258	\$	13.12
391.3	20" Monitors (2)	188	2003	391 - 53	\$	506.00	1.083	\$	467.22	0.258	\$	120.68
391.3	Monitor	189	2003	391 - 54	\$	165.00	1.083	\$	152.35	0.258	\$	39.35
391.3	Keyboard & Hard Drive	189	2003	391 - 43	\$	990.00	1.083	\$	914.13	0.258	\$	236.12
391.3	HP Laser Jet Printer	193	1990	391 - 38	\$	440.00	1.533	\$	287.02	1.558	\$	447.26
391.3	HP Pavilion Flat Screen 150 Monitor 15"	194	1990	391 - 47	\$	385.00	1.533	\$	251.14	1.558	\$	391.35
391.3	Keyboard & Hard Drive	194	2003	391 - 43	\$	990.00	1.083	\$	914.13	0.258	\$	236.12

TRANSPORTATION EQUIPMENT

See Note: 6 below

392	Hudson Trailer (1985)	12	1989	392 - 1			N/A	\$	2,950.00	1.751	\$	5,165.94
392	Trencher Trailer (1988)	12	1989	392 - 1			N/A	\$	2,640.00	1.751	\$	4,623.08
392	GMC Truck (1982)	8	1994	392 - 3			N/A	\$	3,100.00	1.223	\$	3,791.81
392	Chevrolet Astro Van (2000)	16	2000	392 - 4			N/A	\$	21,615.00	0.590	\$	12,743.44
392	Chevrolet Astro Van (1999)	22	1999	392 - 5			N/A	\$	23,206.00	0.695	\$	16,131.99
392	Ram 1500 4x4 Club Cab SLT (1997)	1	1997	392 - 6			N/A	\$	26,791.00	0.906	\$	24,282.42
392	GMC Classic Sierra 3500 (2000)	15	2000	392 - 7			N/A	\$	24,930.00	0.590	\$	14,697.85
392	Trailer Hitch (3)	61	2000	392 - 8		170.00	1.121	\$	151.65	0.590	\$	89.41
392	Cronkrite (Past Date Certain)	20	2002	392 - 9			N/A	\$		0.378	\$	-
392	Chevrolet Kodiak Dump Truck (1996)	7	2000	392 - 10			N/A	\$	20,786.30	0.590	\$	12,254.87

TOOLS, SHOP & GARAGE EQUIPMENT

(Note 8)

394	DeWalt Cordless Drill Kit (1)	38	2003	394 - 1	\$	203.50	1.07	\$	190.19	0.172	\$	32.77
394	Plate Tamper walk behind (Wacker) (1)	30	2004	394 - 2	\$	2,189.00	1.038	\$	2,108.86	0.106	\$	222.67
394	Tamper jump-n-jack (Wacker) (1)	31	2003	394 - 3	\$	3,190.00	1.018	\$	3,133.60	0.172	\$	539.87
394	Pipe Wrenches (Rigid) 18-in	3	1990-1995	394 - 4	\$	46.20	1.405	\$	32.88	0.873	\$	28.69
394	Fire Extinguisher (Ansul) (1)	26	1990-1995	394 - 5	\$	413.60	1.405	\$	294.38	0.873	\$	256.88
394	Stepladder Alum. 2-step Werner (1)	43	1990-1995	394 - 6	\$	38.50	1.405	\$	27.40	0.873	\$	23.91
394	Stepladder Alum. 6-ft Davidson (1)	43	1990-1995	394 - 7	\$	94.60	1.405	\$	67.33	0.873	\$	58.76
394	Stepladder Fiberglass 8-ft. Werner (1)	43	1990-1995	394 - 8	\$	110.00	1.405	\$	78.29	0.873	\$	68.32
394	Jobox Steel Topsides (4)	6	1990-1995	394 - 9	\$	1,601.60	1.405	\$	1,139.93	0.873	\$	994.74
394	Gas Cans (6)	34	1990-1995	394 - 10	\$	187.00	1.405	\$	133.10	0.873	\$	116.14
394	Pipe Wrenches (Rigid) 24in	29	1990-1995	394 - 11	\$	66.00	1.405	\$	46.98	0.873	\$	40.99
394	Hand Truck (1)	63	1990-1995	394 - 12	\$	104.50	1.405	\$	74.38	0.873	\$	64.90
394	Adjustable Wrenches	N/A	1990-1995	394 - 13	\$	20.90	1.405	\$	14.88	0.873	\$	12.98
394	Shop Vac. 10 gal.	161	1990-1995	394 - 14	\$	88.00	1.405	\$	62.63	0.873	\$	54.66
394	Pipe Wrenches (Rigid) 36in	43	1990-1995	394 - 15	\$	140.80	1.405	\$	100.21	0.873	\$	87.45
394	Vanguard Generator	57	2002	394 - 16	\$	2,550.90	1.087	\$	2,346.73	0.239	\$	560.84
394	Air Compressor Campbell 20 gal.	59	1995	394 - 17	\$	297.00	1.276	\$	232.76	0.706	\$	164.30
394	Air Hose and Reel wall mid.	56	1995	394 - 18-18A	\$	275.00	1.276	\$	215.52	0.706	\$	152.13
394	Fisher Valve Box Locator (2)	N/A	1990-1995	394 - 19	\$	1,265.00	1.405	\$	900.36	0.873	\$	785.68
394	Heath Odor Meter (2)	N/A	1990-1995	394 - 20	\$	440.00	1.405	\$	313.17	0.873	\$	273.28
394	Bench Grinder	46	1990-1995	394 - 21	\$	224.00	1.405	\$	159.72	0.873	\$	139.37
394	Bench Vice	47	1990-1995	394 - 22	\$	121.00	1.405	\$	86.12	0.873	\$	75.15
394	Still Chain Saw 20"	51	1990-1995	394 - 23	\$	484.00	1.405	\$	344.48	0.873	\$	300.61
394	Leak Detector Southern Cross 400	N/A	1990-1995	394 - 24	\$		1.405	\$		0.873	\$	-

394	Heath Leak Detector	N/A	1990-1995	394 - 20	\$	440.00	1,405 \$	313.17	0.873 \$	273.28
394	Tinker & Rasor Corrosion Mitigator (3)	N/A	1990-1995	394 - 25	\$	695.20	1,405 \$	494.80	0.873 \$	431.78
394	Pipe Therader Rigid	52	1990-1995	394 - 26	\$	513.70	1,405 \$	365.62	0.873 \$	319.06
394	Breathing Apparatus (2)	54	1990-1995	394 - 27	\$	17.60	1,405 \$	12.53	0.873 \$	10.93
394	Hyd Grease Gun	60	1990-1995	394 - 28	\$		1,405 \$		0.873 \$	-
394	Ditch Witch Precision Tool	60	1990-1995	394 - 29	\$		1,405 \$		0.873 \$	-
394	Fusion Machine mdl.28 McElroy 1" to 4"	60	1990-1995	394 - 30	\$		1,405 \$		0.873 \$	-
394	Steel Pipe Cutters (3)	51	1990-1995	394 - 31	\$	405.90	1,405 \$	288.90	0.873 \$	252.10
394	Jack Stands (2)	N/A	1990-1995	394 - 32	\$	55.00	1,405 \$	39.15	0.873 \$	34.16
394	Battery Charger (Car Quest)	28	2005	394 - 33	\$	491.70	1,006 \$	488.77	0.039 \$	19.01
394	Pipe Vice 40A Rigid (2)	43	1990-1995	394 - 34	\$	469.70	1,405 \$	334.31	0.873 \$	291.73
394	Portable Trash Pump	38	1990-1995	394 - 35	\$	497.20	1,405 \$	353.88	0.873 \$	308.81
394	Submersible Pump	39	1990-1995	394 - 36	\$	508.20	1,405 \$	361.71	0.873 \$	315.64
394	Concrete Saw (2)	37	2003	394 - 37	\$	2,251.70	1,07 \$	2,104.39	0.172 \$	362.56
394	Sign Stands (10)	39	1990-1995	394 - 38	\$	1,815.00	1,405 \$	1,291.81	0.873 \$	1,127.28
394	Asphalt Hand Tamper (1)	27	1990-1995	394 - 39	\$	37.40	1,405 \$	26.62	0.873 \$	23.23
394	Pipe Wrenches (Rigid) 36in (2)	29	1990-1995	394 - 40	\$	281.60	1,405 \$	200.43	0.873 \$	174.90
394	Push Brooms (3)	29	1990-1995	394 - 41	\$	88.64	1,405 \$	63.09	0.873 \$	55.05
394	Sledge Hammer (1)	29	1990-1995	394 - 42	\$	66.00	1,405 \$	46.98	0.873 \$	40.99
394	Splitting Wedge (1)	29	1990-1995	394 - 43	\$	8.80	1,405 \$	6.26	0.873 \$	5.47
394	Axe (1)	29	1990-1995	394 - 44	\$	25.30	1,405 \$	18.01	0.873 \$	15.71
394	Post Hole Diggers (2)	29	1990-1995	394 - 45	\$	68.20	1,405 \$	48.54	0.873 \$	42.36
394	Round Point Shovels (3)	29	1990-1995	394 - 46	\$	79.20	1,405 \$	56.37	0.873 \$	49.19
394	Spade Shovels (2)	29	1990-1995	394 - 47	\$	74.80	1,405 \$	53.24	0.873 \$	46.46
394	Tracer Wire Copperhead (15) rolls	29	1990-1995	394 - 48	\$	808.50	1,405 \$	575.44	0.873 \$	502.15
394	PVC Pipe Cutters (2)	29	1990-1995	394 - 49	\$	52.80	1,405 \$	37.58	0.873 \$	32.79
394	Roto Tiller CRT	31	2000	394 - 50	\$	605.00	1,121 \$	539.70	0.372 \$	200.98
394	Pipe Wrenches (Rigid) 18-in (2)	3	1990-1995	394 - 51	\$	92.40	1,405 \$	65.77	0.873 \$	57.39
394	Measuring Wheel	N/A	1990-1995	394 - 52	\$	46.20	1,405 \$	32.88	0.873 \$	28.69
394	Pipe Cutter 3"	N/A	1990-1995	394 - 53	\$	96.80	1,405 \$	68.90	0.873 \$	60.12
394	# 5 Fire Extinguisher 2	53	1990-1995	m398-1060	\$	145.20	1,405 \$	103.35	0.873 \$	90.18
394	Hedge Trimmer	N/A	1990-1995	394 - 54	\$	295.90	1,405 \$	210.60	0.873 \$	183.78
394	Pipe Locator	N/A	1990-1995	394 - 55	\$	825.00	1,405 \$	587.19	0.873 \$	512.40
394	15' x 1" Chain	N/A	1990-1995	394 - 56	\$	47.30	1,405 \$	33.67	0.873 \$	29.38
394	Street Hawk Caution Light	25	1990-1995	394 - 57	\$	610.50	1,405 \$	434.52	0.873 \$	379.18
394	Pipe Wrenches 14-In	N/A	1990-1995	394 - 58	\$	29.70	1,405 \$	21.14	0.873 \$	18.45
394	8" Crescent Wrench (2)	N/A	1990-1995	394 - 59	\$	20.90	1,405 \$	14.88	0.873 \$	12.98
394	Jumper Cables	N/A	1990-1995	394 - 60	\$	44.00	1,405 \$	31.32	0.873 \$	27.33
394	Shovel	N/A	1990-1995	394 - 61	\$	26.40	1,405 \$	18.79	0.873 \$	16.40
394	18" Plastic Pipe Cutter	N/A	1990-1995	394 - 62	\$	96.80	1,405 \$	68.90	0.873 \$	60.12
394	12" Plastic Pipe Cutter	N/A	1990-1995	394 - 63	\$	26.40	1,405 \$	18.79	0.873 \$	16.40
394	Ratchet Binder	35	1990-1995	394 - 64	\$	130.90	1,405 \$	93.17	0.873 \$	81.30
394	14' x 1.5" Chain	N/A	1990-1995	394 - 65	\$	73.70	1,405 \$	52.46	0.873 \$	45.77
394	Pipe Wrenches (Rigid) 18-in (3)	N/A	1990-1995	394 - 66	\$	138.60	1,405 \$	98.65	0.873 \$	86.08
394	Street Hawk Caution Light	25	1990-1995	394 - 67	\$	610.50	1,405 \$	434.52	0.873 \$	379.18
394	Metrotech mdl.480 Pipe & Cable Loc.	N/A	1990-1995	394 - 68	\$	825.00	1,405 \$	587.19	0.873 \$	512.40
394	Measuring Wheel	N/A	1990-1995	394 - 69	\$	46.20	1,405 \$	32.88	0.873 \$	28.69
394	8" Crescent Wrench	N/A	1990-1995	394 - 70	\$	20.90	1,405 \$	14.88	0.873 \$	12.98
394	Pipe Wrenches 14-in	N/A	1990-1995	394 - 71	\$	29.70	1,405 \$	21.14	0.873 \$	18.45
394	Power Grip	N/A	1990-1995	394 - 72	\$		1,405 \$		0.873 \$	-
394	Pipe Wrenches (Rigid) 18-in (6)	N/A	1990-1995	394 - 73	\$	277.20	1,405 \$	197.30	0.873 \$	172.17
394	24" Pipe wrench	N/A	1990-1995	394 - 74	\$	66.00	1,405 \$	46.98	0.873 \$	40.99
394	Great Neck Ratchet & Socket	N/A	1990-1995	394 - 75	\$	50.60	1,405 \$	36.01	0.873 \$	31.43
394	Mini Tube Cutter	N/A	1990-1995	394 - 76	\$	9.90	1,405 \$	7.05	0.873 \$	6.15

394	Plastic Pipe Cutter	N/A	1990-1995	394 - 48	\$	96.80	1,405 \$	68.90	0.873 \$	60.12
394	Misc. Screw Drivers	N/A	1990-1995	394 - 42	\$	20.90	1,405 \$	14.88	0.873 \$	12.98
394	8" Crescent Wrench	N/A	1990-1995	394 - 13	\$	24.20	1,405 \$	17.22	0.873 \$	15.03
394	10" Crescent Wrench	N/A	1990-1995	394 - 13	\$		1,405		0.873 \$	
394	1.2" x 128" wrench	N/A	1990-1995	m398-1060	\$	72.60	1,405 \$	51.67	0.873 \$	45.09
394	# 5 Fire Extinguisher	26	1990-1995	394 - 42	\$	52.80	1,405 \$	37.58	0.873 \$	32.79
394	Round pt. Shovel (2)	N/A	1990-1995	394 - 58	\$	26.40	1,405 \$	18.79	0.873 \$	16.40
394	Sq. pt. Shovel	N/A	1990-1995	394 - 58	\$	82.50	1,405 \$	58.72	0.873 \$	51.24
394	Spud Bar	N/A	1990-1995	394 - 37	\$	29.70	1,405 \$	21.14	0.873 \$	18.45
394	Push Broom	N/A	1990-1995	394 - 60	\$	27.50	1,405 \$	19.57	0.873 \$	17.08
394	Bow Rake	29	1990-1995	394 - 52	\$	610.50	1,405 \$	434.52	0.873 \$	379.18
394	Street Hawk Caution Light	25	1990-1995	394 - 61	\$	192.50	1,405 \$	137.01	0.873 \$	119.56
394	Makita Reciprocating Saw	N/A	1990-1995	394 - 54	\$	44.00	1,405 \$	31.32	0.873 \$	27.33
394	Jumper Cables	N/A	1990-1995	394 - 62	\$	82.50	1,405 \$	58.72	0.873 \$	51.24
394	Power Glide 4.5" Angle Grinder	N/A	1990-1995	394 - 63	\$	46.20	1,405 \$	32.88	0.873 \$	28.69
394	100' cloth tape	N/A	1990-1995	394 - 42	\$	26.40	1,405 \$	18.79	0.873 \$	16.40
394	Tool Box w/misc wrenches	N/A	1990-1995	394 - 58	\$	26.40	1,405 \$	18.79	0.873 \$	16.40
394	Round pt. Shovel	N/A	1990-1995	394 - 43	\$	37.40	1,405 \$	26.62	0.873 \$	23.23
394	Sq. pt. Shovel	N/A	1990-1995	394 - 66	\$	825.00	1,405 \$	587.19	0.873 \$	512.40
394	Small Spade	N/A	1990-1995	394 - 28	\$	135.30	1,405 \$	96.30	0.873 \$	84.03
394	Valve Wrenches	N/A	1990-1995		\$		1,405		0.873 \$	
394	Line Locator	N/A	1990-1995	m398-1060	\$	72.60	1,405 \$	51.67	0.873 \$	45.09
394	Rigid 12" Pipe Cutter	N/A	1990-1995	394 - 15	\$	89.10	1,405 \$	63.42	0.873 \$	55.34
394	Misc. Screw Drivers	N/A	1990-1995	394 - 63	\$	40.70	1,405 \$	28.97	0.873 \$	25.28
394	Cad-weld box	N/A	1990-1995	394 - 47	\$	46.20	1,405 \$	32.88	0.873 \$	28.69
394	# 5 Fire Extinguisher	N/A	1990-1995	394 - 64	\$	869.00	1,405 \$	618.51	0.873 \$	539.73
394	Pipe Wrenches 14-in (3)	62	1990-1995	394 - 65	\$	77.00	1,405 \$	54.80	0.873 \$	47.82
394	100' cloth tape	35	1990-1995	394 - 55	\$	275.00	1,405 \$	195.73	0.873 \$	170.80
394	Measuring Wheel	35	1990-1995	393 - 4	\$	132.00	1,683 \$	78.43	1.173 \$	91.98
394	Honda Generator 1000	64	1988	393 - 11	\$	369.60	1,683 \$	219.61	1.173 \$	257.55
394	Wire Rope Ratchet Pullers	42	1988	393 - 12	\$	238.70	1,683 \$	141.83	1.173 \$	166.34
394	Load Binders (5)	42	1988		\$					
393	Wheelbarrow 2-wheel Contractor (1)	42	1988		\$					
393	Traffic Barricades	42	1988		\$					
393	Traffic Barricades Lights (12)	42	1988		\$					

LABORATORY EQUIPMENT

395 N/A

POWER OPERATED EQUIPMENT

See Note: 6 below

396	Vermore Mini Track Hoe CX 234	9	2002	396 - 1			N/A \$	34,000.00	0.179 \$	6,091.10
396	Bobcat mdl. 763	10	2002	396 - 2			N/A \$	32,350.00	0.179 \$	5,795.50
396	Sweeper Attachment for Bobcat	13	2002						0.179	
396	Forklift Attachment for Bobcat	21	2002						0.179	
396	Ingersol Rand Compressor 185	13								
396	Clark Forklift 279 hrs	11								
396	Ringomatic Pit 750	13	1999	396 - 8			N/A \$	36,043.00	0.329 \$	11,863.55
396	Ditch Witch	18								

COMMUNICATION EQUIPMENT

397 N/A

MISCELLANEOUS EQUIPMENT

398	Polar-Oasis Water Dispenser	<u>129</u>	2001	<u>398 - 1</u>	\$	315.00	1.11	\$	283.78	0.306	\$	86.75
399	Physical Inventory List	N/A	2005	<u>Note: 7</u>	\$	89,440.83	1.000	\$	89,440.83	0.039	\$	3,478.01
TOTALS					\$	17,736,008.02		\$	5,917,609.64		\$	3,701,154.08

Consolidated

Plumbing Supply

399-1

Note # 1 - Material prices based on 10/02/2006 quote from Consolidated Pipe and Supply co., Inc. ref
 Note # 2 - P.U.C.O. depreciation factor to be determined by P.U.C.O.
 Note # 3 - O.C.L.D. (Original cost less depreciation) to be determined by P.U.C.O.
 Note # 4 - Meter material price based on PlumbingSupply.com web-site
 Note # 5 - Meter installation cost based on 30-minute install time and a \$ 28.00 per salary cost.
 Note # 6 - Transportation and power operated equipment original cost based directly on purchase order from Oxford Gas co.
 Note # 7 - Inventory pricing based on Oxford Gas inventory list.
 Note # 8 - The pricing references for those asset items in account nos. 390, 391, 393, 394 and 396 are a multi-digit number which consists of the account number and an ascending number unique to each asset in that account category. I.E. The pricing reference number for the drafting table (photo 169) listed under account no. 391 would be 391-15.
 Note # 9 - Pricing references are electronically Hyper-Linked to the pricing source and can be accessed by clicking on the pricing reference number or a hard copy can also be found in the pricing backup of Appendix B.
 These pricing sources are indexed with the pricing reference number. Some of the Hyper-Linked when initially accessed, may need to be enlarged by selecting the zoom feature.

Estimated reproduction costs have been increased by 10% to account for the 4% interest during construction and engineering costs, except for accounts 389, 392 and 396.

APPENDIX B
PRICING BACKUP

**COST INDEX FACTOR
MAINS (ACCOUNT 376)**

Material	Year	Handy-Whitman/Line #45		Multiplier	Average	
		Index	2006 Index			
Polyethylene	pre 1965	71	423	5.958		
Polyethylene	1966	73	423	5.795	5.357	Example: Calculate Cost Index Factor to convert 2006 reproduction price to 1977 original cost for polyethylene gas main. Use average index ratio of 5-year increment (1976-1980) that 1977 falls within. 1976 Index = 135 1980 Index = 187 2006 Index = 423 (Reference: Handy-Whitman Publication; Line #45)
Polyethylene	1970	86	423	4.919		
Polyethylene	1971	92	423	4.598	3.964	
Polyethylene	1975	127	423	3.331		
Polyethylene	1976	135	423	3.133	2.698	
						2006/1976 Ratio = $423 \div 135 = 3.133$
Polyethylene	1980	187	423	2.262		2006/1980 Ratio = $423 \div 187 = 2.262$
Polyethylene	1981	204	423	2.074	1.937	Average multiplier (Cost Index Factor): $(3.133 + 2.262) \div 2 = 2.698$
Polyethylene	1985	235	423	1.800		
Polyethylene	1986	239	423	1.770	1.632	Original Cost (1977) = Reproduction Cost New / 2.698
Polyethylene	1990	283	423	1.495		
Polyethylene	1991	289	423	1.464	1.408	
Polyethylene	1995	313	423	1.351		
Polyethylene	1996	321	423	1.318	1.267	
Polyethylene	2000	348	423	1.216		
Polyethylene	2001	358	423	1.182	1.108	
Polyethylene	2005	409	423	1.034		
Handy-Whitman/Line #44						
Steel	pre 1965	64	614	9.594		
Steel	1966	65	614	9.446	8.422	
Steel	1970	83	614	7.398		
Steel	1971	91	614	6.747	5.791	
Steel	1975	127	614	4.835		
Steel	1976	136	614	4.515	3.899	
Steel	1980	187	614	3.283		
Steel	1981	207	614	2.966	2.746	
Steel	1985	243	614	2.527		
Steel	1986	234	614	2.624	2.408	
Steel	1990	280	614	2.193		
Steel	1991	285	614	2.154	2.007	
Steel	1995	330	614	1.861		
Steel	1996	376	614	1.633	1.624	
Steel	2000	380	614	1.616		
Steel	2001	388	614	1.582	1.322	
Steel	2005	578	614	1.062		



Consolidated Pipe & Supply Co., Inc.

F A C S I M I L E

T R A N S M I S S I O N

Date: 10/04/06

Time: 08:38:31

From: CONSOLIDATED PIPE & SUPPLY
2821 SABLE MILL LANE
JEFFERSONVILLE, IN 47130

To: CLIFF CRISWELL
OXFORD NATURAL GAS
614-451-1385 USA

Number of Pages
Including Cover Sheet: 03

If you have a problem with this transmission, please call:

812 2800100

376

To: CLIFF CRISWELL

Fax: 614-451-1385

CONSOLIDATED PIPE AND SUPPLY CO., INC.
CUSTOMER QUOTE

2821 Sable Hill Lane
Jeffersonville IN 47130

Quote Nbr: 030610 000
Quote Date: 10/02/2006

Page 1

70 - D WILLIAMS
Phone: 812-280-0100
Fax: 812-280-0101

Job:

070327 - OXFORD NATURAL GAS
5181 COLLEGE CORNER
PO BOX 880
OXFORD OH 45056

Good Until: 11/02/2006

Qty	Size/Wall/Description	Price	Extended Price
412.0	1/2 DRISPLX 030 CTS PE2406 6500 GAS TBC 500	0.17 FT	70.04
34616.0	3/4 DRISPLX 5DR11 PE2406 6500 GAS PIPE 500	0.25 FT	8,654.00
7878.0	1 CTS .035 PE2406 GAS TBC 500	0.35 FT	3,072.42
34562.0	1-1/4 DRISPLX 5DR10 PE2406 6500 GAS PIPE 500	0.80 FT	27,649.60
82488.0	2 DRISPLX 5DR11 PE2406 6500 GAS PIPE 500	0.88 FT	81,663.12
26731.0	4 DRISPLX 5DR11.5 PE2406 6500 GAS PIPE 40	3.27 FT	87,410.37
6803.0	6 DRISPLX 5DR11.5 PE2406 6500 GAS PIPE 40	7.13 FT	48,505.38
339.0	8 DRISPLX 5DR 13.5 PE2406 6500 GAS PIPE 40 PE	13.51 FT	4,579.89
17293.0	3/4 NH .113 TF API-SL R25 BW 21UL PEB	1.96 FT	33,894.28
1165.0	1 NH .133 TF API-SL R25 BW 21UL PEB	2.35 FT	2,784.35
36987.0	1-1/4 NH .140 TF API-SL R25 BW 21UL PEB	2.95 FT	110,531.13
111333.0	2-3/8 OD .154 TF API-SL X-42 ERW DCL PEB	3.88 FT	432,228.12

CONSOLIDATED PIPE AND SUPPLY CO., INC.

CUSTOMER QUOTE

Quote Nbr: 030810 000

Quote Date: 10/02/2006

Page 2

Qty	Size/Wall/Description	Price	Extended Price
1178.0	3-1/2 OD .216 TF API-5L X-42 ERW DRL PEB	7.16 FT	8,434.48
50315.0	4-1/2 OD .237 TF API-5L X-42 ERW DRL PEB	9.83 FT	494,596.45
51685.0	6-5/8 OD .280 TF API-5L GR B X-42 ERW DRL PEB	17.47 FT	903,177.95
4000.0	8-5/8 OD .250 TF API-5L X-42 ERW DRL PEB	16.48 FT	65,920.00

Total:

2,318,231.55

PRICES ARE FREIGHT ALLOWED TO OXFORD, OHIO.
TERMS NET 30 DAYS.

DEBORAH WILLIAMS

378 - 377

Criswell, Cliff

From: Criswell, Cliff
Sent: Friday, October 06, 2006 12:44 PM
To: Sweeney, Gary
Subject: FW: Control valves

FYI

From: Templeton, Elaine [mailto:etempleton@ehrke.com]
Sent: Friday, October 06, 2006 11:51 AM
To: Criswell, Cliff
Cc: Matteo, Gary
Subject: RE: Control valves

Mr. Criswell please see the pricing as shown below. In order for us to properly quote the equipment noted below we will require your specification sheets with complete service conditions and a formal inquiry.

FOB	Shipping Point
Freight	Prepay & Add
Terms	Net 30 days
Lead-time	4-6 weeks/oro

Elaine Templeton

A. E. Ehrke & Co.
 Phone: 440-498-3449
 Fax: 440-248-9170
etempleton@ehrke.com

-----Original Message-----

From: Criswell, Cliff [mailto:CCriswell@burnlp.com]
Sent: Thursday, October 05, 2006 11:49 AM
To: Ehrke, AE
Subject: Control valves

Gentlemen,
 Could you please provide me with a rough quote on the following:

Fisher controls Type 1805 2" pressure relief valve	budgetary pricing only	\$ 345.00
Fisher Controls D4 Control 2" Pressure Regulator	budgetary pricing only	\$1594.00

Thanks

cliff criswell

**BURGESS & NIPLE**

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10/19/2006

378-379

Criswell, Cliff

From: Criswell, Cliff
Sent: Thursday, October 05, 2006 1:13 PM
To: Sweeney, Gary
Subject: FW: Wika gauge RFQ

gary..... probably can use the \$43 figure for gauges.... cliff
I have sent out e-mail requests to Sivalis and Fisher Controls on the valves, regulators and pre-heater.....

From: Steve Miller-Colesco [mailto:s-miller@cinci.rr.com]
Sent: Thursday, October 05, 2006 12:35 PM
To: Criswell, Cliff
Subject: Wika gauge RFQ

Mr. Criswell-Thank you for your inquiry. Although the Wika model 131.11 is available with a 2.5" dial, they only make it as a special quoted item. We need specific details, such as range and connection location-bottom or back, as well as quantity. We can quote alternates, as follows:
131.11, 2" dial, 1/4" LM, 0-30#, 60#, 100#, 160# : \$32.50
131.11, 2" dial, 1/4" CBM, same ranges : \$36.50
232.53, 2.5" dial, all SS, 1/4" LM or CBM, with ranges from vacuum thru 1000# : \$43.00
Del depends on specifics; usually 1-3 weeks.
Please phone, fax, or email us, if we can answer any questions.

Steve Miller
COLESCO INC
6060 Interstate Cir
Cincinnati, Oh 45242
Ph 513-489-1122 or 800-359-0809
Fx 513-489-9062

10/19/2006

**AVERAGE COST INDEX FACTOR
SERVICES (ACCOUNT #380)**

Services	Years*	Size	Lineal Feet	Percent of Total	Index Factor	D x F**
P	PRE 1965	0.750	166	0.005	5.761	959.097
P	1966 - 1970	0.750	9941	0.287	5.179	51484.44
P	1971 - 1975	0.750	6011	0.174	3.833	23040.16
P	1976 - 1980	0.750	4466	0.129	2.608	11647.33
P	1981 - 1985	0.750	4943	0.143	1.873	9257.741
P	1986 - 1990	0.750	4461	0.129	1.578	7038.939
P	1991 - 1995	0.750	3130	0.090	1.361	4259.794
P	1996 - 2000	0.750	1416	0.041	1.225	1734.31
P	2001 - 2005	0.750	83	0.002	1.071	88.73878
		Total	34616	1.000		109510.5
Meters						
4127	1966 - 1970			0.287		1185
	1971 - 1975			0.174		717
	1976 - 1980			0.129		532
	1981 - 1985			0.143		589
	1986 - 1990			0.129		532
	1991 - 1995			0.090		373
	1996 - 2000			0.041		169
	2001 - 2005			0.002		10
	PRE 1965			0.005		20
				1.000		4127

3.163545

*Year of Services installation established from electronic mapping data.
 *These percentages were then also used for the meter vintages.

There was a total of 34,616 lineal feet of 3/4-inch plastic Services in the Assets of which 31,000 lineal feet was determined from the mapping to be on multiple-user lines, which was established as property of Oxford Gas.

**The product of the lineal footage and Cost Index Factor for a particular 5-year time window was used as a weighted factor to develop an average Cost Index Factor. The sum of this product was divided by the total lineal footage of 34,616, i.e. $109,510.50 \div 34,616$ to arrive at an average Index of 3.164 for all of the 3/4-inch Services.

02

SITework

Utilities		UNIT	MAT.	INST.	TOTAL
02610.13	Gate Valves				
Flanged, with box, post indicator (AWWA)					
4" valve	EA.	700.00	77.00	777.00	
6" valve	"	810.00	87.50	897.50	
8" valve	"	1,160	110.00	1,270	
10" valve	"	1,740	130.00	1,870	
12" valve	"	2,520	180.00	2,680	
14" valve	"	5,810	190.00	6,000	
16" valve	"	7,740	240.00	7,980	
02610.15	Water Meters				
Water meter, displacement type					
1"	EA.	280.00	52.50	332.50	
1-1/2"	"	980.00	58.50	1,039	
2"	"	1,470	65.50	1,536	
02610.17	Corporation Stops				
Stop for flared copper service pipe					
* 3/4"	EA.	31.70	26.20	57.90	
1"	"	42.80	29.20	72.00	
1-1/4"	"	120.00	35.00	155.00	
1-1/2"	"	140.00	43.70	183.70	
2"	"	200.00	52.50	252.50	
02610.40	Ductile Iron Pipe				
Ductile iron pipe, cement lined, slip-on joints					
4"	LF.	12.90	5.35	18.25	
6"	"	15.65	6.65	21.30	
8"	"	20.45	6.00	26.45	
10"	"	28.20	6.40	34.60	
12"	"	34.70	7.70	42.40	
14"	"	43.80	9.60	53.40	
16"	"	54.00	10.65	64.65	
18"	"	60.50	12.00	72.50	
20"	"	69.00	13.70	82.70	
Mechanical joint pipe					
4"	LF.	15.35	7.40	22.75	
6"	"	18.35	8.00	26.35	
8"	"	24.15	8.75	32.90	
10"	"	31.60	9.60	41.20	
12"	"	40.20	12.80	53.00	
14"	"	50.50	14.75	65.25	
16"	"	55.50	17.45	72.95	
18"	"	62.50	19.20	81.70	
20"	"	72.00	21.35	93.35	
Fittings, mechanical joint					
90 degree elbow					
4"	EA.	190.00	24.85	214.85	
6"	"	250.00	28.60	278.60	
8"	"	360.00	37.20	397.20	
10"	"	510.00	53.00	563.00	
12"	"	690.00	74.50	764.50	
14"	"	1,070	93.00	1,163	

**COST INDEX FACTOR
METERS (ACCOUNTS 381 AND 382)**

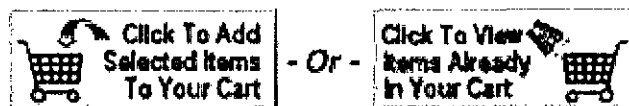
(Handy-Whitman/Line #51)					Average Cost Index Factor was calculated similar to as shown for Mains/Account 376
Meters/Year	Index	2006 Index	Multiplier	Average	
pre 1965	79	188	2.380		
1966	86	188	2.186	2.093	
1970	94	188	2.000		
1971	100	188	1.880	1.674	
1975	128	188	1.469		
1976	131	188	1.435	1.348	
1980	149	188	1.262		
1981	158	188	1.190	1.190	
1985	158	188	1.190		
1986	166	188	1.133	1.074	
1990	185	188	1.016		
1991	190	188	0.989	0.989	
1995	190	188	0.989		
1996	192	188	0.979	0.955	
2000	202	188	0.931		
2001	210	188	0.895	0.958	
2005	184	188	1.022		
(Handy-Whitman/Line #52)					
Meter Installation					
pre 1965	60	672	11.200		
1966	62	672	10.839	9.619	
1970	80	672	8.400		
1971	88	672	7.636	6.443	
1975	128	672	5.250		
1976	137	672	4.905	4.240	
1980	188	672	3.574		
1981	209	672	3.215	2.996	
1985	242	672	2.777		
1986	229	672	2.934	2.663	
1990	281	672	2.391		
1991	287	672	2.341	2.174	
1995	335	672	2.006		
1996	336	672	2.000	1.873	
2000	385	672	1.745		
2001	392	672	1.714	1.394	
2005	626	672	1.073		

381

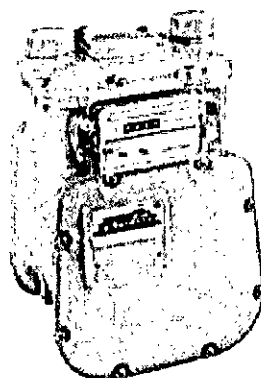
1/2" = \$59.95 0

3/4" = \$59.96 0

Looking for water pressure regulators?



Gas Meters



AC-250
Odometer style gas meter

This is similar to what many gas provider companies install.
Measures propane or natural gas in cubic feet.

The perfect meter for mobile homes, apartments, condominiums, multiple family dwellings, etc.

- One-piece body
- Self-lubricating bearings
- Long-lasting grommet-type seals
- Duramic diaphragms
- Reinforced flag rods
- Adjustable tangents
- Vented index box
- Comes with 3/4" connection set
- view dimensions
- Exterior has inert, two-part epoxy primer and finish exhibits extreme resistance to chemical penetration

GAS METERS		
AC-250	3/4" 250cfh, 5psi max - with odometer style read-out	\$180.19 0

Temperature Compensating Gas Meters (-30°F to 140°F)		

**SQUARE FOOT COSTS
STRUCTURE & IMPROVEMENTS (ACCOUNT 385)**

SINGLE STORY BUILDING			
Room No.	Width	Length	Square Feet
101	20	28.5	570
102	16	12	192
103	16	12	192
104	4	22	88
105	4	26	104
106	4	16	64
107	6.42	13.67	87.7614
108	5.83	5.67	33.0561
109	5	11.83	59.15
110	4.5	10.75	48.375
111	11.67	14	163.38
112	5.42	6.83	37.0186
113	5.33	6.67	35.5511
114	10.5	17.5	183.75
		Total	1858

TWO-STORY BUILDING			
Garage	29.5	46.5	1372
200	11.08	23.33	258.50
201	13.50	12.00	162.00
202	11.75	12.00	141.00
203	11.82	12.00	141.84
204	13.58	12.00	162.96
205	11.82	12.00	141.84
206	11.82	12.00	141.84
207	20.00	14.00	280.00
208	13.92	8.75	121.80
209	11.00	5.25	57.75
210	4.00	38.50	154.00
			1764
			4993

Structure Cost				Means Square Foot Cost		
			Square Feet	Total Square Feet	Cost	Page No.
One-Story Structure Average Construction			1,858	81.7	\$ 151,798.60	28
Two-Story Structure Average Construction			3,136	69.68	\$ 218,516.48	30
Deduct for Built-in Garage			1,372	8.43	\$ (11,565.96)	61
Deduct for not having Full Kitchen					\$ (5,392.00)	30
Deduct for not having Full Bath					\$ (4,559.00)	30
Add for (3) Three Half Baths					\$ 8,310.00	30
Add for Security System					\$ 425.00	60
Add Microwave					\$ 408.00	60
Add Refrigerator					\$ 693.00	60
Grage Door Operner					\$ 433.00	60
Hot Water Heater					\$ 935.00	60
				Net Total Cost	\$ 360,002.12	
			Average Cost/Square Foot (360,002.12 ÷ 4993)		\$ 72.10	s.f.

H410001900002600000027279000002727935D

Visit our website at
www.butlercountytreasurer.org

H4100019000045000002200970000220097350

Butler County
Real Estate Tax Bill
Carole B. Moschetti
 Butler County Treasurer



REAL PROPERTY
 2nd HALF 2005
 August 4, 2006

Visit our website at
www.butlercountytreasurer.org

OXFORD NATURAL GAS COMPANY
 C/O ROBERT SANDERS
 PO BOX 880
 OXFORD OH 45056-0880

Parcel No. H3510-999-001-300
Taxing District OXFORD TAL CL
Parcel Location
Owner Name OXFORD NATURAL GAS COMPANY
Legal Description 31-0647798 NATURAL GAS COPANY

Gross Tax Rate 72.430000
Reduction Factor 0.390920
Effective Tax Rate 44.115694

Acres
Class
Code

U
 820

100% Appraised Value
 Land 0
 Bldg/Improv 91,430
 Total 91,430

35% Taxable Value
 Land 0
 Bldg/Improv 32,000
 Total 32,000

Special Assessments
 Delq. Current Yr.

Calculation of Taxes
 Gross Taxes
 Subtotal
 Current Net Taxes
 Current Net Taxes & Asmts(YEAR)
 Current Net Taxes & Asmts(HALF)

2,317.76
 2,317.76
 2,317.76
 1,158.88

Annual Tax Distribution
 General Fund 100.87
 Mental Retardation 149.74
 Miami Conservancy 1.05
 Mental Health 15.70
 Children Services 103.33
 Senior Citizens 103.33
 Tabwanala Csd 1,340.86
 Butler Tech Jvs 101.40
 Oxford Township 401.48
 Assessments 0.00
 Total 2,317.76

Stub No. 169288

Avoid Penalty
Pay on or Before
August 4, 2006

Homestead Reduction Value 0
CAUV Value 0

If your mortgage company holds an escrow account for your real estate taxes, this bill is for information purposes only. Payments can be viewed on our website.

Payments
Other Credits
Full Year Total

-1,158.88
 0.00
 1,158.88

Amount Due

1,158.88

Return This Portion with Payment



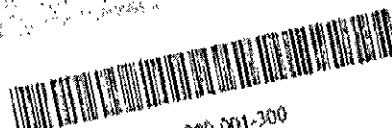
Butler County Real Estate Tax Bill
Carole B. Moschetti
 Butler County Treasurer

REAL PROPERTY
 2nd HALF 2005
 August 4, 2006

Code
Owner Name OXFORD NATURAL GAS COMPANY
Parcel Location

OXFORD NATURAL GAS COMPANY
 C/O ROBERT SANDERS
 PO BOX 880
 OXFORD OH 45056

Parcel No.
Stub No. 169288



H3510-999-001-300

Make Checks Payable To:
 Carole B. Moschetti, Treasurer

Your check may be converted to an electronic payment through the ACH network

Payment Amount
 1,158.88

713000000001158880000115888350

64.31

REAL PROPERTY
2nd HALF 2005
August 4, 2006

Visit our website at
www.bullicountytreasurer.org

OXFORD NATURAL GAS COMPANY 1620 14 C/O ROBERT SANDERS PO BOX 880 OXFORD OH 45056-0880 			Parcel No. H4000-999-001-300	
			Taxing District OXFORD CORPTAL CSD	
			Parcel Location	
			Owner Name OXFORD NATURAL GAS COMPANY	
			Legal Description 31-0647798 NATURAL GAS COMPANY	
Gross Tax Rate	66.730000	Acres		
Reduction Factor	0.395115	Class	U	
Effective Tax Rate	40.363993	Code	880	
Calculation of Taxes			Annual Tax Distribution	
Gross Taxes	22,398.58	General Fund	1,065.44	
Subtotal	22,398.58	Mental Retardation	1,581.62	
Current Net Taxes	22,398.58	Miami Conservancy	11.10	
Current Net Taxes & Asmts(YEAR)	22,398.58	Mental Health	165.82	
Current Net Taxes & Asmts(HALF)	11,199.29	Children Services	1,091.33	
		Senior Citizens	1,091.33	
		Talawanda Csd	14,162.33	
		Buher Tech Jcs	1,070.99	
		Oxford Township	133.18	
		Oxford City	2,025.44	
		Assessments	0.00	
		Total	22,398.58	
		Stub No.	176086	
		Avoid Penalty Pay on or Before August 4, 2006		
Payments	-11,199.29			
Other Credits	0.00	Homestead Reduction Value 0		
Full Year Total	11,199.29			
Amount Due	11,199.29	If your mortgage company holds an escrow account for your real estate taxes, this bill is for information purposes only. Payments can be viewed on our website.		

Return This Portion with Payment

REAL PROPERTY
2nd HALF 2005
August 4, 2006



Butler County Real Estate Tax Bill

Carole B. Mosketfi
Butler County Treasurer

Code

Owner Name OXFORD NATURAL GAS COMPANY

Parcel Location

OXFORD NATURAL GAS COMPANY
C/O ROBERT SANDERS
PO BOX 880
OXFORD OH 45056

Parcel No.
Stub No.
176086



H4000-999.001-300

Make Checks Payable To:
Carol B. Moskeni, Treasurer

Your check may be converted to an electronic payment through the ACH network.

Payment Amount
11,199.29

84000999001300000011199290001119929350

02

SITework

Utilities		UNIT	MAT.	INST.	TOTAL
02695.40	Steel Pipe				
1" dia.	L.F.		4.80	5.85	10.65
1-1/4" dia.	"		5.80	6.55	12.35
1-1/2" dia.	"		6.55	7.50	14.05
2" dia.	"		7.55	8.75	16.30
3" dia.	"		14.50	9.60	24.10
4" dia.	"		25.10	10.65	35.75
6" dia.	"		61.50	12.00	73.50
8" dia.	"		81.00	13.70	94.70
10" dia.	"		120.00	16.00	136.00
12" dia.	"		140.00	18.20	158.20
02695.80	Steam Meters				
In-line turbine, direct reading, 300 lb, flanged					
2"	EA		5,150	65.50	5,215
3"	"		5,530	87.50	5,618
4"	"		6,090	100.00	6,190
Threaded, 2"					
5" line	EA		9,770	520.00	10,290
6" line	"		9,980	520.00	10,480
8" line	"		10,140	520.00	10,660
10" line	"		10,700	520.00	11,220
12" line	"		10,880	520.00	11,400
14" line	"		11,250	520.00	11,770
16" line	"		11,890	520.00	12,510
Sewerage And Drainage		UNIT	MAT.	INST.	TOTAL
02720.10	Catch Basins				
Standard concrete catch basin					
Cast in place, 3'8" x 3'8", 6" thick wall					
2' deep	EA		310.00	480.00	790.00
3' deep	"		420.00	480.00	900.00
* 4' deep	"		540.00	640.00	1,180
5' deep	"		640.00	640.00	1,280
6' deep	"		710.00	770.00	1,480
4'x4', 8" thick wall, cast in place					
2' deep	EA		330.00	480.00	810.00
3' deep	"		460.00	480.00	940.00
4' deep	"		610.00	640.00	1,250
5' deep	"		710.00	640.00	1,350
6' deep	"		780.00	770.00	1,550
Frames and covers, cast iron					
Round					
24" dia.	EA		300.00	93.00	393.00
26" dia.	"		330.00	93.00	423.00
28" dia.	"		390.00	93.00	483.00

02700 | Bases, Ballasts, Pavements & Appurtenances

02770 | Curbs and Gutters

		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P
						MAT.	LABOR	EQUIP.	TOTAL	
2700	Pink				Ton	162			162	178
2750	Cubes, 4' x 4' x 4' (15 lb), grey					194			194	214
2800	Pink					216			216	238
2850	6' x 6' x 6' (25 lb), pink					162			162	178
2900	For pallets, add					16.50			16.50	18.13

02775 | Sidewalks

275	0010	SIDEWALKS, DRIVEWAYS, & PATIOS No base									
	0020	Asphaltic concrete, 2" thick	B-37	720	.067	S.Y.	4.01	1.94	.16	6.11	7.75
	0100	2 1/2" thick	"	660	.073	"	5.10	2.11	.17	7.38	9.25
	0110	Bedding for brick or stone, mortar, 1" thick	D-1	300	.053	S.F.	.65	1.71		2.36	3.50
	0120	2" thick	"	200	.080	"	1.63	2.57		4.20	5.96
	0130	Sand, 2" thick	B-18	8000	.003	"	.16	.08		.24	.32
	0140	4" thick	"	4000	.006	↓	.32	.17	.01	.50	.66
	0300	Concrete, 3000 psi, CP, 6 x 6 - W1.4 x W1.4 mesh,									
✓	0310	broomed finish, no base, 4" thick	B-24	600	.040	S.F.	1.45	1.30		2.75	3.71
	0350	5" thick	↓	545	.044	"	1.93	1.43		3.36	4.46
	0400	6" thick	↓	510	.047	"	2.26	1.53		3.79	4.97
✓	0450	For bank run gravel base, 4" thick, add	B-18	2500	.010	"	.42	.27	.01	.70	.94
	0520	8" thick, add	"	1600	.015	"	.85	.42	.02	1.29	1.66
	0550	Exposed aggregate finish, add to above, minimum	B-24	1875	.013	"	.11	.42		.53	.80
	0600	Maximum	"	455	.053	↓	.35	1.71		2.06	3.18
	0850	Setback brick, precast concrete	1 Club	150	.053	Ca.	6	1.46		7.46	9
	0950	Concrete tree grate, 5' square	B-6	25	.960	"	345	29	9.05	383.05	435
	0960	Cast iron tree grate with frame, 2 piece, round, 5' diameter	"	25	.960	"	950	29	9.05	988.05	1,100
	0980	Square, 5' side	↓	25	.960	↓	980	29	9.05	1,018.05	1,125
	1000	Crushed stone, 1" thick, white marble	2 Club	1700	.009	S.F.	.20	.26		.46	.65
	1050	Bluestone	↓	1700	.009	"	.21	.26		.47	.67
	1070	Granite chips	↓	1700	.009	"	.21	.26		.47	.66
	1660	Limestone pavers, 3" thick	D-1	72	.222	"	8.05	7.15		15.20	20.50
	1670	4" thick	↓	70	.229	"	10.65	7.35		18	23.50
	1680	5" thick	↓	68	.235	"	13.35	7.55		20.90	27
	1700	Redwood, prefabricated, 4' x 4' sections	2 Cap	316	.051	"	8.10	1.80		9.90	11.90
	1750	Redwood planks, 1" thick, on sleepers	"	240	.067	"	5.65	2.37		8.02	10.20
	1830	1-1/2" thick	B-28	167	.144	"	3.93	4.72		8.65	12.10
	1840	2" thick	↓	167	.144	"	5.05	4.72		9.77	13.25
	1850	3" thick	↓	150	.160	"	7.45	5.25		12.70	16.90
	1860	4" thick	↓	150	.160	"	9.80	5.25		15.05	19.45
	1870	5" thick	↓	150	.160	↓	12.45	5.25		17.70	22.50
	2100	River or beach stone, stock	B-1	18	1.333	Ton	27	37.50		64.50	91.50
	2150	Quarried	"	18	1.333	"	47	37.50		84.50	114
	2160	Load, dump, and spread stone with 4-6 steer, 100' haul	B-62	24	1	C.Y.		30	6.40	36.40	56
	2165	200' haul	↓	18	1.333	↓		40	8.55	48.55	74.50
	2168	300' haul	↓	12	2	↓		60	12.85	72.85	112
	2170	Shale paver, 2 1/4" thick	D-1	200	.080	S.F.	2.75	2.57		5.33	7.20
	2200	Coarse washed sand bed, 1"	B-62	1350	.018	S.Y.	1.21	.53	.11	1.85	2.33
	2250	Stone dust, 4" thick	"	900	.027	"	2.94	.80	.17	3.91	4.72
	2300	Tile thicket pavers, 3/8" thick	D-1	300	.053	S.F.	3.03	1.71		4.74	6.10
	2350	3/4" thick	"	280	.057	"	4.63	1.84		6.67	8.30
	2400	Wood rounds, cypress	B-1	175	.137	Ca.	9.10	3.65		12.95	16.40
	9030	Minimum labor/equipment charge	D-1	2	8	Job		257		257	415

02780 | Unit Pavers

100	0010	ASPHALT BLOCKS									
	0020	Rectangular, 6" x 12" x 1-1/8", w/bed & pour. adhesive	D-1	135	.119	S.F.	4.64	3.81		8.45	11.30

G4020 Site Lighting

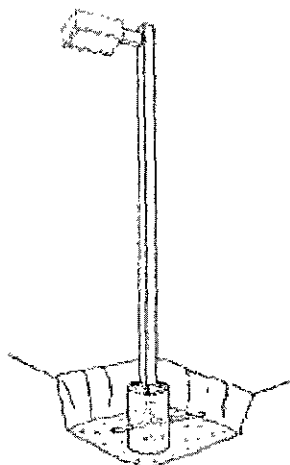


Table G4020 210 Procedure for Calculating Floodlights Required for Various Footcandles

Poles should not be spaced more than 4 times the fixture mounting height for good light distribution. To maintain 1 footcandle

over a large area use these watts per square foot:

Incandescent	0.15
Metal Halide	0.032
Mercury Vapor	0.05
High Pressure Sodium	0.024

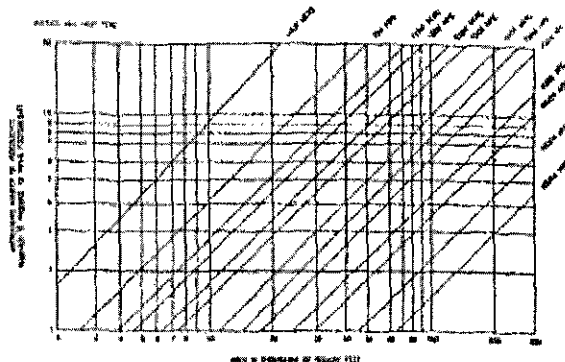
Estimating Chart

Select Lamp type.

Determine total square feet.

Chart will show quantity of fixtures to provide 1 footcandle initial, at intersection of lines. Multiply fixture quantity by desired footcandle level.

Chart based on use of wide beam luminaires in an area whose dimensions are large compared to mounting height and is approximate only.



System Components

SYSTEM G4020 210 0200

LIGHT POLES, ALUMINUM, 20' HIGH, 1 ARM BRACKET

Aluminum light pole, 20', no concrete base

Bracket arm for Aluminum light pole

Excavation by hand, pits to 6' deep, heavy soil or clay

Footings, concrete in set forms, reinforcing, spread, under 1 C.Y.

Backfill by hand

Compaction vibrating plate

TOTAL

QUANTITY	UNIT	COST EACH		
		MAT.	INST.	TOTAL
1.000	Ea.	840	498	1,338
1.000	Ea.	110	64.50	174.50
2.368	C.Y.		215.49	215.49
.465	C.Y.	63.71	76.22	139.93
1.903	C.Y.		62.80	62.80
1.903	C.Y.		8.49	8.49
		1,013.71	925.50	1,939.21

G4020 210

Light Pole (Installed)

COST EACH

		MAT.	INST.	TOTAL
0200	Light pole, aluminum, 20' high, 1 arm bracket	1,025	925	1,950
0340	2 arm brackets	1,125	925	2,050
0280	3 arm brackets	1,225	960	2,185
0320	4 arm brackets	1,350	960	2,310
0360	30' high, 1 arm bracket	1,825	1,175	3,000
0400	2 arm brackets	1,925	1,175	3,100
0440	3 arm brackets	2,025	1,225	3,250
0480	4 arm brackets	2,150	1,225	3,375
0680	40' high, 1 arm bracket	2,225	1,550	3,775
0720	2 arm brackets	2,350	1,550	3,900
0760	3 arm brackets	2,450	1,575	4,025
0800	4 arm brackets	2,550	1,575	4,125
0840	Steel, 20' high, 1 arm bracket	1,225	985	2,210
0880	2 arm brackets	1,325	985	2,310
0920	3 arm brackets	1,380	1,025	2,375
0960	4 arm brackets	1,450	1,025	2,475
1020	30' high, 1 arm bracket	1,425	1,250	2,675
1040	2 arm brackets	1,500	1,250	2,750
1080	3 arm brackets	1,525	1,275	2,800
1120	4 arm brackets	1,625	1,275	2,900
1280	40' high, 1 arm bracket	1,850	1,700	3,550
1360	2 arm brackets	1,950	1,700	3,650
1400	3 arm brackets	1,975	1,725	3,700
1440	4 arm brackets	2,075	1,725	3,800

02800 | Site Improvements and Amenities

02810 | Irrigation System

		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL. O&P
						MAT.	LABOR	EQUIP.	TOTAL	
1420	Dual programs, 18 station	2 Shwk	24	66.667	Ea.	1,525	2,425		3,950	5,650
1430	23 station	↓	16	100	↓	1,975	3,650		5,625	8,150
1435	Backflow preventer, bronze, 0-175 PSI, w/valves, test cocks	2 Shwk	2	8	Ea.	125	292		417	615
1440	3/4"	↓	2	8	↓	130	292		422	625
1450	1"	↓	2	8	↓	258	292		550	765
1460	1-1/2"	↓	2	8	↓	269	292		561	775
1470	2"	↓	2	8	↓					
1475	Pressure vacuum breaker, brass, 15-150 PSI	2 Shwk	2	8	Ea.	75	292		367	565
1480	3/4"	↓	2	8	↓	98.50	292		390.50	590
1490	1"	↓	2	8	↓	194	292		486	695
1500	1-1/2"	↓	2	8	↓	180	292		472	680
1510	2"	↓	2	8	↓					

02820 | Fences & Gates

CHAIN LINK FENCES AND GATES										
4750	Gate, transom for 10' fence, galv. steel, single, 3' x 7' x 3'	B-80A	52	462	Ea.	335	12.65	3.39	351.04	390
4752	4' x 7' x 3'	↓	10	2,400	↓	350	66	17.60	433.60	515
4754	3' x 10'	↓	8	3	↓	335	82	22	439	530
4756	4' x 10'	↓	10	2,400	↓	375	66	17.60	458.60	545
4758	Double transom, 10' x 7' x 3'	B-80B	10	3,200	↓	610	94	23.50	727.50	855
4760	12' x 7' x 3'	↓	6	5,333	↓	665	157	39	861	1,025
4762	14' x 7' x 3'	↓	5	6,400	↓	735	188	47	970	1,175
4764	10' x 10'	↓	4	8	↓	785	235	59	1,079	1,325
4766	12' x 10'	↓	7	4,571	↓	840	134	33.50	1,007.50	1,175
4768	14' x 10'	↓	7	4,571	↓	905	134	33.50	1,072.50	1,250
4780	Vinyl clad, single transom, 3' x 7' x 3'	↓	6	5,333	↓	505	157	39	701	855
4782	4' x 7' x 3'	↓	10	3,200	↓	535	94	23.50	652.50	765
4784	3' x 10'	↓	8	4	↓	515	117	29.50	661.50	790
4786	4' x 10'	↓	10	3,200	↓	560	94	23.50	697.50	815
4788	Double transom, 10' x 7' x 3'	↓	10	3,200	↓	1,125	94	23.50	1,242.50	1,425
4790	12' x 7' x 3'	↓	6	5,333	↓	1,225	157	39	1,421	1,650
4792	14' x 7' x 3'	↓	5	6,400	↓	1,375	188	47	1,610	1,875
4794	10' x 10'	↓	4	8	↓	1,225	235	59	1,519	1,800
4796	12' x 12'	↓	7	4,571	↓	1,325	134	33.50	1,492.50	1,725
4799	14' x 14'	↓	7	4,571	↓	1,425	134	33.50	1,592.50	1,825
FENCE, CHAIN LINK INDUSTRIAL, schedule 40										
0020	3 strands barbed wire, 2" post @ 10' O.C., set in concrete, 6" H									
0200	9 ga. wire, galv. steel	B-80C	240	100	L.F.	12.75	2.75	.56	16.06	19.15
0300	Aluminized steel	↓	240	100	↓	16.35	2.75	.56	19.66	23
0500	6 ga. wire, galv. steel	↓	240	100	↓	20	2.75	.56	23.31	27
0600	Aluminized steel	↓	240	100	↓	22.50	2.75	.56	25.81	30
0800	6 ga. wire, 6" high but omit barbed wire, galv. steel	↓	250	.096	↓	19.40	2.64	.54	22.58	26.50
0900	Aluminized steel	↓	250	.096	↓	27	2.64	.54	30.18	35
0920	8" H, 6 ga. wire, 2 1/2" line post, galv. steel	↓	180	.133	↓	31	3.66	.75	35.41	41
0940	Aluminized steel	↓	180	.133	↓	38	3.66	.75	42.41	48.50
1400	Gate for 6' high fence, 1-5/8" frame, 3' wide, galv. steel	↓	10	2,400	Ea.	141	66	13.40	220.40	280
1500	Aluminized steel	↓	10	2,400	↓	174	66	13.40	253.40	315
2000	5'-0" high fence, 9 ga., no barbed wire, 2" line post,									
2010	10' O.C., 1-5/8" top rail									
2100	Galvanized steel	B-80C	300	.080	L.F.	11.05	2.20	.45	13.70	16.25
2200	Aluminized steel	↓	300	.080	↓	13.05	2.20	.45	15.70	18.45
2400	Gate, 4' wide, 5' high, 2" frame, galv. steel	↓	10	2,400	Ea.	161	66	13.40	240.40	300
2500	Aluminized steel	↓	10	2,400	↓	181	66	13.40	260.40	325
3100	Overhead slide gate, chain link, 6' high, to 18' wide	↓	38	.632	L.F.	142	17.35	3.53	162.88	188
3110	Cantilever type	B-80	48	.667	↓	61	19.95	11.10	92.05	112

02800 | Site Improvements and Amenities

2 SITE CONSTRUCTION

02820 Fences & Gates		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P	
						MAT.	LABOR	EQUIP.	TOTAL		
130	3120	8' high	B-80	24	1.333	L.F.	88.50	40	22	150.50	187
	3130	10' high	↓	18	1.778	↓	105	53	29.50	187.50	234
	5000	Double swing gates, incl. posts & hardware	B-80C	3.40	7.059	Orig.	430	194	39.50	663.50	840
	5010	5' high, 12" opening	↓	2.80	8.571	↓	550	235	48	873	1,100
	5020	20' opening	↓	3.20	7.500	↓	725	206	42	973	1,175
	5050	6' high, 12" opening	↓	2.60	9.231	↓	1,000	254	51.50	1,305.50	1,575
	5070	20' opening	↓	2.13	15.000	↓	1,125	450	250	1,825	2,250
	5080	8' high, 12" opening	↓	1.45	22.069	↓	1,475	660	365	2,500	3,100
	5090	20' opening	↓	1.31	24.427	↓	1,300	730	405	2,435	3,075
	5100	10' high, 12" opening	↓	1.03	31.058	↓	1,925	930	515	3,370	4,200
	5120	12' high, 12" opening	↓	1.05	30.476	↓	1,875	910	505	3,290	4,150
	5130	20' opening	↓	.85	37.647	↓	2,425	1,125	625	4,175	5,175
	5190	For aluminized steel add				20%					
	7001	Snow fence on steel posts 10' O.C., 4' high	B-1	500	.048	L.F.	2.38	1.35		3.73	4.85
	7055	Braces, galv. steel	B-80A	960	.025		1.79	.69	.18	2.66	3.31
	7056	Aluminized steel	"	960	.025		2.15	.69	.18	3.02	3.70
	7071	Privacy slats, vertical, vinyl	1 Crew	500	.016	S.F.	1.50	.44		1.94	2.38
	7072	Redwood	↓	450	.018	↓	2.62	.49		3.11	3.69
	7073	Diagonal, aluminum	↓	300	.027	↓	3.41	.73		4.14	4.96
	9000	Minimum labor/equipment charge	B-80	2	16	Job		480	266	746	1,075
140	0010	FENCE, CHAIN LINK RESIDENTIAL, sch. 20, 11 ga. wire, 1-5/8" post	B-80C	500	.048	L.F.	3.86	1.32	.27	5.45	6.70
	0020	10' O.C., 1-3/8" top rail, 2" corner post, galv. stl. 3' high		400	.060	↓	4.38	1.65	.34	6.37	7.90
	0050	4' high		200	.120	↓	5.30	3.30	.67	9.27	12.05
	0100	6' high		12	2	Ea.	57.50	55	11.20	123.70	166
	0150	Add for gate 3' wide, 1-3/8" frame, 3' high		10	2.400		66.50	66	13.40	145.90	197
	0170	4' high		10	2.400		91	66	13.40	170.40	224
	0190	6' high		9	2.667		65	73.50	14.90	153.40	203
	0200	Add for gate 4' wide, 1-3/8" frame, 3' high		9	2.667		73.50	73.50	14.90	161.90	218
	0220	4' high		8	3	↓	86	82.50	16.75	185.25	249
	0240	6' high		500	.048	L.F.	5.18	1.32	.27	6.69	8.35
	0350	Aluminized steel 11 ga. wire, 3' high		400	.080		6.55	1.55	.34	8.54	10.30
	0400	4' high		200	.120	↓	9.23	3.30	.67	13.17	16.35
	0450	Add for gate 3' wide, 1-3/8" frame, 3' high		12	2	Ea.	70.50	55	11.20	136.70	180
	0470	4' high		10	2.400		116	66	13.40	195.40	251
	0490	6' high		10	2.400		146	66	13.40	225.40	284
	0500	Add for gate 4' wide, 1-3/8" frame, 3' high		10	2.400		80	66	13.40	159.40	212
	0520	4' high		9	2.667		88.50	73.50	14.90	176.90	235
	0540	6' high		8	3	↓	102	82.50	16.75	201.25	266
	0620	Vinyl covered, 9 ga. wire, 3' high		500	.248	L.F.	4.17	1.32	.27	5.76	7.05
	0640	4' high		400	.060	↓	4.87	1.65	.34	6.86	8.45
	0660	6' high		200	.120	↓	6.15	3.30	.67	10.12	13
	0720	Add for gate 3' wide, 1-3/8" frame, 3' high		12	2	Ea.	80.50	55	11.20	146.70	191
	0740	4' high		10	2.400		91	66	13.40	170.40	224
	0760	6' high		10	2.400		141	66	13.40	223.40	279
	0780	Add for gate 4' wide, 1-3/8" frame, 3' high		10	2.400		92.50	66	13.40	171.90	226
	0800	4' high		9	2.667		101	73.50	14.90	189.40	248
	0820	6' high	↓	8	3	↓	114	82.50	16.75	213.25	279
150	0010	FENCE, CHAIN LINK, GATES & POSTS (1 1/3" post length in ground)	B-60	60	.400	Ea.	22	11.95	6.65	40.60	51
	0580	Line posts, galvanized, 2-1/2" OD, set in conc., 4'		76	.421		26.50	12.60	7	46.10	57
	6585	5'		74	.432		27	12.95	7.20	47.15	59
	6590	6'		72	.444		29.50	13.30	7.40	50.20	62
	6595	7'		69	.464	↓	32.50	13.85	7.70	54.05	66.50

02800 | Site Improvements and Amenities

SITE CONSTRUCTION

QTY	UNIT	02820 Fences & Gates	CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P	QTY
							MAT.	LABOR	EQUIP.	TOTAL		
187		6610 H-beam, 1-7/8", 4'	B-80	83	.386	Ea.	25	11.55	6.40	42.95	53.50	150
234		6615 5'		81	.395		28.50	11.80	6.65	46.85	58	
		6620 6'		78	.410		33.50	12.25	6.85	52.60	64.50	
840		6625 7'		75	.427		36.50	12.75	7.10	56.35	69.50	
1,100		6630 8'		73	.438		40	13.10	7.30	60.40	73.50	
1,175		6635 Vinyl coated, 2-1/2" OD, set in conc., 4'		79	.405		43	12.10	6.75	61.85	74.50	
1,575		6640 5'		77	.416		49.50	12.45	6.90	68.85	82	
2,250		6645 6'		74	.432		62	12.95	7.20	82.15	97.50	
3,100		6650 7'		72	.444		66.50	13.30	7.40	87.20	103	
3,075		6655 8'		69	.464		72.50	13.85	7.70	94.05	111	
1,200		6660 End gate post, steel, 3" OD, set in conc., 4'		68	.471		50.50	14.05	7.85	72.40	87	
1,100		6665 5'		65	.492		64	14.70	8.20	86.90	104	
1,175		6670 6'		63	.508		65	15.20	8.45	88.65	105	
		6675 7'		61	.525		87	15.70	8.75	111.45	131	
485		6685 Vinyl, 4'		68	.471		84.50	14.05	7.85	106.40	125	
331		6690 5'		65	.492		93	14.70	8.20	115.90	135	
370		6695 6'		63	.508		115	15.20	8.45	138.65	161	
238		6705 8'		59	.542		137	16.20	9.05	162.25	187	
369		6710 Corner post, galv. steel, 4" OD, set in conc., 4'		65	.492		85	14.70	8.20	107.90	127	
496		6715 6'		63	.508		120	15.20	8.45	143.65	166	
575		6720 7'		61	.525		135	15.70	8.75	159.45	183	
		6725 8'		65	.492		155	14.70	8.20	177.90	204	
670		6730 Vinyl, 5'		65	.492		148	14.70	8.20	170.90	196	
750		6735 6'		63	.508		197	15.20	8.45	220.65	251	
12.05		6740 7'		61	.525		180	15.70	8.75	204.45	232	
		6745 8'		59	.542		235	16.20	9.05	260.25	294	
156		7031 For corner, end, & pull post bracing, add					20%	15%				
197		7770 Gates, sliding w/overhead support, 4' high	B-80B	35	.914	L.F.	45.50	27	6.70	79.20	101	
224		7775 5' high		32	1		49.50	29.50	7.35	86.35	111	
209		7780 6' high		28	1.143		53	33.50	8.40	94.90	123	
218		7785 7' high		25	1.280		70	37.50	9.40	116.90	149	
249		7790 8' high		23	1.391		87	41	10.25	138.25	173	
8.05		7795 Cantilever, manual, exp. roller, 40" wide x 8' high	B-22	1	.30	Ea.	3,575	975	229	4,779	5,775	
10.30		7800 30" wide x 8' high		1	.30		3,000	975	229	4,204	5,150	
16.35		7805 24" wide x 8' high		1	.30		2,225	975	229	3,429	4,300	
180		7810 Motor operators for gates, inc elec wiring, 3' wide swing	2 Skw	.50	.32		1,225	1,175		2,400	3,225	
251		7815 Up to 30' wide swing		.50	.32		4,050	1,175		5,225	6,350	
284		7820 Up to 45' sliding		.50	.32		4,125	1,175		5,300	6,425	
212		7825 Overhead gate, 6' to 18' wide, sliding/cantilever		45	.356	L.F.	144	13		157	179	
235		7830 Gate operators, digital receiver		7	2.265	Ea.	435	83.50		518.50	610	
266		7835 Two button transmitter		24	.667		55.50	24.50		80	101	
7.05		7840 3 button station		14	1.143		68.50	41.50		110	144	
8.45		7845 Master slave system		4	.4		244	146		390	510	
13		7900 Auger fence post hole, 3' deep, medium soil, by hand	1 Oab	30	.267			7.30		7.30	12.10	
191		7925 By machine	B-80	175	.183			5.45	3.04	8.49	12.25	
224		7950 Rock, with jackhammer	B-9C	32	1.250			35	4.60	39.60	62.50	
279		7975 With rock drill	B-47C	65	.246			7.70	17.05	24.75	31	
226												
248												
279		1200 FENCE, FABRIC & ACCESSORIES	B-80A	304	.079	L.F.	3.45	2.16	.58	6.19	8	170
		1000 Fabric, 9 ga., galv., 1.2 oz. coat, 2" chain link, 4'		285	.084		4.17	2.31	.62	7.10	9.10	
51		1150 5'		266	.099		6.60	2.47	.66	9.73	12.10	
57		1250 7'		247	.097		9.70	2.66	.71	13.07	15.90	
59		1300 8'		228	.105		12.10	2.88	.77	15.75	18.95	
62		1400 9 ga., fused, 4'		304	.079		5.65	2.16	.58	8.39	10.45	
66.50		1450 5'		285	.084		7.05	2.31	.62	9.98	12.25	

02800 | Site Improvements and Amenities

02840 Walk/Road/Parking Appurtenances		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL. OUP.
						MAT.	LABOR	EQUIP.	TOTAL	
400	0010 FENDERS									
	0015 Bumper rails for garages, 12 Ga. rail, 6" wide, with steel posts 12'-6" O.C., minimum	E-4	190	168	L.F.	13.15	6.80	.47	20.42	27.50
	0020 Average		165	194		16.45	7.85	.54	24.84	33.50
	0100 Maximum		140	229		19.70	9.25	.64	29.59	39.50
	0300 12" channel rail, minimum		160	200		16.45	8.10	.56	25.11	34
	0400 Maximum		120	267		24.50	10.80	.74	36.04	48
	9000 Minimum labor/equipment charge		2	16	Job		645	44.50	689.50	1,250
800	0010 PARKING BARRIERS									
	0020 Parking barriers, tubular w/saddles, treated type									
	0100 4" x 4" for cars	B-2	520	.077	L.F.	2.54	2.14		4.68	6.35
	0200 6" x 6" for trucks		520	.077		5.30	2.14		7.44	9.42
	0600 Flexible fixed stanchion, 2" high, 3" diameter		100	.400	Ea.	25.50	11.10		36.60	46.50
	1000 Wheel stops, precast concrete incl. dowels, 6" x 10" x 6'-0"		120	.333		40	9.25		49.25	59.50
	1100 8" x 13" x 6'-0"		120	.333		46.50	9.25		55.75	66.50
	1200 Thermoplastic, 6" x 10" x 6'-0"		120	.333		74.50	9.25		83.75	97.50
	1300 Pipe bollards, conc. filled/part, 8" L x 4" D hole, 6" diam.	B-6	20	1.200		300	36	11.30	347.30	400
	1400 8" diam.		15	1.600		455	48	15.10	518.10	595
	1500 12" diam.		12	2		595	60	18.85	673.85	770
	1592 Bollards, steel, 3" H, retractable, incl hydraulic controls, min		4	6		27,800	180	56.50	28,036.50	31,000
	1594 Max		2	12		31,000	350	113	31,473	34,800
	2030 Fencing with retractable padlocks	B-2	50	.800		730	22		752	835
	9000 Parking lot control, see Div. 11156-600									
910	0010 TRAFFIC BARRIERS, TRAFFIC CONTROL DEVICES									
	0020 Crash barriers									
	0100 Traffic channelizing pavement markers, layout only	A-7	2000	.012	Ea.		.47	.03	.50	.78
	0110 1 1/2" x 1 1/2" x 2 1/2" high, non-pileable install	2 Club	96	.167		19.85	4.57		24.42	29.50
	0200 8" x 8" x 3 1/4" high, non-pileable, retail		96	.167		18.05	4.57		22.62	27.50
	0230 4" x 4" x 3/4" high, non-pileable, install		120	.133		2.41	3.65		6.06	8.70
	0240 9-1/4" x 5-7/8" x 1/4" high, pileable, concrete pav't	A-2A	70	.343		14.45	9.40	3.37	27.22	35
	0250 9-1/4" x 5-7/8" x 1/4" high, pileable, asphalt pav't		120	.200		2.76	5.50	1.97	10.23	14.25
	0300 Barrier and curb delineators, reflectorized, 2" x 4"	2 Club	150	.107		1.57	2.92		4.49	6.59
	0310 3" x 5"		150	.107		3.19	2.92		6.11	8.35
	0500 Rumble strip, polycarbonate									
	0510 24" x 3 1/2" x 1/2" high	2 Club	50	.320	Ea.	6	8.75		14.75	21
02850 Prefabricated Bridges										
210	0010 BRIDGES, PEDESTRIAN spans over streams, roadways, etc.									
	0020 including erection, not including foundations									
	0050 Precast concrete, complete in place, 8' wide, 60' span	E-2	215	.260	S.F.	52	10.15	6.65	68.80	82.50
	0100 100' span		185	.303		56.50	11.80	7.70	76	92
	0150 120' span		160	.350		61.50	13.60	8.90	84	102
	0200 150' span		145	.386		64	15	9.85	88.85	108
	0350 Steel, trussed or arch spans, complete in place, 8' wide, 40' span		320	.175		67.50	6.80	4.46	78.76	91
	0400 50' span		395	.142		60.50	5.50	3.61	69.61	80.50
	0500 60' span		465	.120		60.50	4.68	3.07	68.25	78.50
	0500 80' span		570	.098		72	3.82	2.50	78.32	88.50
	0700 100' span		465	.120		101	4.68	3.07	108.75	123
	0800 120' span		365	.153		128	5.95	3.91	137.86	156
	0900 150' span		310	.181		136	7.05	4.50	147.65	168
	1000 160' span		255	.220		136	8.55	5.60	150.15	172
	1100 10' wide, 80' span		640	.088		75	3.40	2.23	80.63	91
	1200 120' span		415	.135		97	5.25	3.44	105.69	120
	1300 150' span		445	.126		109	4.90	3.21	117.11	132
	1400 200' span		205	.273		116	10.65	6.95	133.60	155

03300 | Cast-In-Place Concrete

TOTAL INCL O&P	03310 Structural Concrete	CREW	DAILY OUTPUT	LABOR- HOURS	UNIT	2008 BARE COSTS				TOTAL INCL O&P
						MAT.	LABOR	EQUIP.	TOTAL	
120	2150 25' span	C-14B	49.60	4.194	C.Y.	226	149	14.55	389.55	510
196	2300 Waffle const., 30" domes, 125 psf Sup. Load, 20' span		37.07	5.611		330	200	19.45	549.45	715
279	2350 30' span		44.07	4.720		294	168	16.40	478.40	620
335	2500 One way joists, 30" pans, 125 psf Sup. Load, 15' span		27.38	7.597		410	270	26.50	706.50	930
	2550 25' span		31.15	6.677		375	237	23	635	830
	2700 One way beam & slab, 125 psf Sup. Load, 15' span		20.59	10.102		245	360	35	640	905
	2750 25' span		28.36	7.334		225	261	25.50	511.50	705
	2900 Two way beam & slab, 125 psf Sup. Load, 15' span		24.04	8.652		232	310	30	572	800
	2950 25' span		35.87	5.799		196	206	20	422	575
23	3100 Elevated slabs including finish, not									
120	3110 including forms or reinforcing									
31	3150 Regular concrete, 4" slab	C-8	2613	.021	S.F.	1.18	.66	.27	2.11	2.67
129	3200 6" slab		2585	.022		1.74	.67	.27	2.68	3.31
39	3250 2 1/2" thick floor fill		2685	.021		.76	.65	.26	1.67	2.17
163	3300 Lightweight, 110# per C.F., 2 1/2" thick floor fill		2585	.022		1.04	.67	.27	1.98	2.54
	3400 Cellular concrete, 1 5/8" fill, under 5000 S.F.		2000	.028		.70	.87	.35	1.92	2.57
	3450 Over 10,000 S.F.		2200	.025		.66	.79	.32	1.77	2.36
	3500 Add per floor for 3 to 6 stories high		31800	.002			.05	.02	.07	.11
	3520 For 7 to 20 stories high		21200	.003			.08	.03	.11	.17
80.5	3600 Footings, spread under 1 C.Y.	C-14C	38.07	2.942	C.Y.	175	99.50	.56	275.06	360
84	3650 Over 5 C.Y.		81.04	1.382		242	47	.26	289.26	345
87.5	3700 Footings, strip, 18" x 9", unreinforced		40	2.800		109	95	.53	204.53	278
92.5	3750 18" x 9", reinforced		35	3.200		130	108	.61	238.61	325
	3825 20" x 10", unreinforced		45	2.499		106	84.50	.47	190.97	257
	3850 20" x 10", reinforced		40	2.800		122	95	.53	217.53	293
1.125	3905 24" x 12", unreinforced		55	2.036		103	69	.39	172.39	228
1.600	3940 24" x 12", reinforced		43	2.333		121	79	.44	200.44	264
340	3945 36" x 12", unreinforced		70	1.600		99.50	54	.30	153.80	199
436	3950 36" x 12", reinforced		60	1.867		115	63	.35	178.35	231
1.400	4000 Foundation mat, under 10 C.Y.		38.67	2.896		179	98	.55	277.55	360
1.775	4050 Over 20 C.Y.		56.40	1.986		156	67	.38	223.38	283
2.200	4200 Grade mats, 5" thick, 8' high	C-14D	45.83	4.364		157	154	15.75	326.75	445
1.050	4250 14" high		27.26	7.337		203	259	26.50	488.50	680
1.450	4300 12" thick, 8' high		64.32	3.103		140	110	11.25	261.25	350
1.925	4370 14" high		40.01	4.999		159	176	18.05	353.05	485
760	4330 15" thick, 8' high		80.82	2.499		132	88	9	229	300
1.125	4350 12" high		51.26	3.902		140	138	14.10	292.10	400
1.525	4500 18" high		48.85	4.094		155	144	14.80	313.80	425
575	4520 Handicap access ramp, railing both sides, 5' wide	C-14H	14.58	3.292	L.F.	204	115	1.48	320.48	415
893	4625 5' wide		12.22	3.928		212	137	1.77	350.77	460
1.300	4530 With 4" curb and rails both sides, 3' wide		8.55	5.614		211	196	2.53	409.53	560
560	4635 5' wide		7.31	6.566		215	230	2.95	447.95	620
1.125	4650 Slab on grade, not including finish, 4" thick	C-14E	60.75	1.449	C.Y.	106	50.50	.35	156.85	202
1.620	4700 6" thick		92	.957		102	33.50	.23	135.73	168
570	4751 Slab on grade, incl. unweled finish, not incl. forms									
965	4760 or reinforcing, over 10,000 S.F., 4" thick	C-14F	3425	.021	S.F.	1.16	.68	.01	1.85	2.37
1.425	4820 6" thick		3350	.021		1.69	.69	.01	2.39	2.98
491	4840 8" thick		3184	.023		2.31	.73	.01	3.05	3.73
908	4900 12" thick		2734	.026		3.47	.85	.01	4.33	5.20
1.375	4950 15" thick		2505	.029		4.36	.93	.01	5.30	6.30
415	5000 Slab on grade, incl. textured finish, not incl. forms									
755	5001 or reinforcing, 4" thick	C-14G	2873	.019	S.F.	1.13	.62	.01	1.76	2.24
1.225	5010 6" thick		2590	.022		1.77	.69	.01	2.47	3.06
610	5020 8" thick		2320	.024		2.31	.77	.01	3.09	3.78
530	5200 Lift slab in place above the foundation, incl. forms,									
675	5210 reinforcing, concrete and columns, maximum	C-14B	2113	.098	S.F.	5.35	3.50	.34	9.19	12.05

CONCRETE

05100 | Structural Metal Framing

05120 | Structural Steel

			CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL. O.P.
							MAT.	LABOR	EQUIP.	TOTAL	
560	0050	1/8" thick (5.1 Lb./S.F.)				S.F.	4.85			4.85	4.85
	0100	1/4" thick (10.2 Lb./S.F.)					9.70			9.70	9.70
	0300	3/8" thick (15.3 Lb./S.F.)					14.55			14.55	14.55
	0400	1/2" thick (20.4 Lb./S.F.)					19.40			19.40	19.40
	0450	3/4" thick (30.6 Lb./S.F.)					29			29	29
	0500	1" thick (40.8 Lb./S.F.)					39			39	39
600	0010	STRESSED SKIN ROOF & CEILING SYSTEM									
	0020	Double panel flat roof, spans to 100'	E-2	1150	.049	S.F.	7.60	1.89	1.24	10.73	10.73
	0100	Double panel convex roof, spans to 200'		960	.058		12.35	2.27	1.49	16.11	16.11
	0200	Double panel arched roof, spans to 300'		760	.074		19	2.87	1.88	23.75	23.75
640	0010	STRUCTURAL STEEL MEMBERS									
	0020	Shop fab'd for 100-ton, 1-2 story project, bolted conn's.									
	0102	W 6 x 9	E-2	600	.093	L.F.	9.40	3.63	2.38	15.41	15.41
	0302	W 8 x 10		600	.093		10.45	3.63	2.38	16.46	16.46
	0502	x 31		550	.102		32.50	3.96	2.59	39.05	39.05
	0702	W 10 x 22		600	.093		23	3.63	2.38	29.01	29.01
	0902	x 49		550	.102		51	3.96	2.59	57.55	57.55
	1102	W 12 x 14		880	.064		14.65	2.48	1.62	18.75	18.75
	1302	x 22		880	.064		23	2.48	1.62	27.10	27.10
	1502	x 26		880	.064		27	2.48	1.62	31.10	31.10
	1702	x 72		640	.068		75	3.40	2.23	80.63	80.63
	1902	W 14 x 26		990	.057		27	2.20	1.44	30.64	30.64
	2102	x 30		900	.062		31.50	2.42	1.59	35.51	35.51
	2302	x 34		810	.069		35.50	2.69	1.76	39.95	39.95
	2502	x 120		720	.078		125	3.03	1.98	130.01	130.01
	2702	W 16 x 26		1000	.056		27	2.18	1.43	30.61	30.61
	2902	x 31		900	.062		32.50	2.42	1.59	36.51	36.51
	3102	x 40		800	.070		42	2.72	1.78	46.50	46.50
	3302	W 18 x 35	E-5	960	.083		36.50	3.28	1.58	41.36	41.36
	3502	x 40		960	.083		42	3.28	1.58	46.86	46.86
	3702	x 50		912	.088		52.50	3.46	1.66	57.62	57.62
	3902	x 55		912	.098		57.50	3.46	1.66	62.62	62.62
	4102	W 21 x 44		1064	.075		46	2.96	1.42	50.38	50.38
	4302	x 50		1064	.075		52.50	2.96	1.42	56.88	56.88
	4502	x 62		1036	.077		65	3.04	1.46	69.50	69.50
	4702	x 68		1036	.077		71	3.04	1.46	75.50	75.50
	4902	W 24 x 55		1110	.072		57.50	2.84	1.37	61.71	61.71
	5102	x 62		1110	.072		65	2.84	1.37	69.21	69.21
	5302	x 68		1110	.072		71	2.84	1.37	75.21	75.21
	5502	x 76		1110	.072		79.50	2.84	1.37	83.71	83.71
	5702	x 84		1060	.074		88	2.92	1.40	92.32	92.32
	5902	W 27 x 94		1190	.067		98	2.65	1.27	101.92	101.92
	6102	W 30 x 99		1200	.067		103	2.63	1.26	106.89	106.89
	6302	x 108		1200	.067		113	2.63	1.26	116.89	116.89
	6502	x 116		1160	.069		121	2.72	1.31	125.03	125.03
	6702	W 33 x 118		1176	.068		123	2.68	1.29	126.97	126.97
	6902	x 130		1134	.071		136	2.78	1.34	140.12	140.12
	7102	x 141		1134	.071		147	2.78	1.34	151.12	151.12
	7302	W 36 x 135		1170	.068		141	2.70	1.30	145	145
	7502	x 150		1170	.068		157	2.70	1.30	161	161
	7702	x 194		1125	.071		203	2.80	1.35	207.15	207.15
	7902	x 230		1125	.071		240	2.80	1.35	244.15	244.15
	8102	x 300		1035	.077		315	3.05	1.46	319.51	319.51
	8490	For projects 75 to 99 tons, add					10%				
	8492	50 to 74 tons, add					20%				
	8494	25 to 49 tons, add					30%	10%			

05100 |

05120 | Sh

10 to 2	2 to 9	Less 11	Minimum 12	STRUCTURAL	Shop fab'd	Apartment	3	7	0%	Offices, ho	3	7	0%	For m	Industrial b	M	Indush	st	1 stor	M	Monument	Churches	Power stat	Nucle	S	Roof truss	Maxim	Schools, n	Welded co	?	Welded rig	Fabricator	Mon n	h	Shop	A	A	A	Total	High stor	A	Add t	A	Mid size e	Ment	Ment	Column b
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10300 | Fireplaces & Stoves

10310 | Fireplace Specialties & Accessories

	CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P
					MAT.	LABOR	EQUIP.	TOTAL	
10310 Copper plated, 12" x 15" opening	1 B/c	13	615	Ea.	177	22.50		199.50	231
10310 Fireplace forms, no accessories, 32" opening		3	2,667		510	97.50		607.50	720
10310 36" opening		2.50	3,200		650	117		767	908
10310 42" opening		2	4		860	146		1,006	1,175
10310 78" opening		1.50	5,333		1,250	195		1,445	1,700
10310 Screen and bird screen, galvanized, 18" x 24" flue		16	.500		37.50	18.30		55.80	70.50
10310 12" x 15" flue		12	.667		40.50	24.50		65	84
10310 Minimum labor/equipment charge		3.50	2,286	Job		83.50		83.50	136

10320 | Stoves

WOODBURNING STOVES									
10320 Cast iron, minimum	2 Carp	1.30	12,368	Ea.	910	440		1,350	1,725
10320 Average		1	16		1,400	570		1,970	2,500
10320 Maximum		.80	20		2,350	710		3,060	3,750
10320 For gas log lighter, add					40			40	44

10340 | Manufactured Exterior Specialties

10344 | Weathervanes

	CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P
					MAT.	LABOR	EQUIP.	TOTAL	
10344 WEATHERVANES									800
10344 Residential types, minimum	1 Carp	8	1	Ea.	130	35.50		165.50	202
10344 Maximum		2	4	*	2,300	142		2,442	2,775
10344 Minimum labor/equipment charge		4	2	Job		71		71	118

10350 | Flagpoles

10353 | Flagpoles

	CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P
					MAT.	LABOR	EQUIP.	TOTAL	
10353 FLAGPOLE, Ground set									400
10353 Not including base or foundation									
10353 Aluminum, tapered, ground set 20' high	K-1	2	8	Ea.	790	253	88	1,131	1,375
10353 25' high		1.70	9,412		895	297	104	1,296	1,575
10353 30' high		1.50	10,667		890	335	117	1,342	1,675
10353 36' high		1.40	11,429		1,450	360	126	1,936	2,325
10353 40' high		1.20	13,333		2,050	420	147	2,617	3,100
10353 50' high		1	16		2,700	505	176	3,381	4,000
10353 60' high		.90	17,778		4,350	560	196	5,106	5,950
10353 70' high		.80	20		7,800	630	220	8,650	9,875
10353 Counterbalanced, internal halyard, 20' high		1.80	8,889		2,050	281	98	2,429	2,825
10353 30' high		1.50	10,667		2,275	335	117	2,727	3,175
10353 40' high		1.30	12,308		3,800	390	136	4,326	4,975
10353 50' high		1	16		7,600	505	176	7,681	8,725
10353 Aluminum, electrically operated, 30' high		1.40	11,429		3,975	360	126	4,461	5,100
10353 35' high		1.30	12,308		4,275	390	136	4,801	5,525

10350 | Flagpoles

10355 Flagpoles		CREW	DAILY OUTPUT	LABOR- HOURS	UNIT	2006 BARE COSTS				TOTAL INCL. O&P	
						MAT.	LABOR	EQUIP.	TOTAL		
400	2860	39' high	K-1	1.10	14.545	Ea.	4,675	460	160	5,295	2,850
	2880	45' high		1	16		5,975	505	176	6,656	3,550
	2900	50' high		.90	17.778		6,350	560	196	7,106	3,850
	3000	Fiberglass, tapered, ground set, 23' high		2	8		1,050	253	88	1,391	1,450
	3100	29'-7" high		1.50	10.667		1,275	335	117	1,727	1,850
	3200	35'-1" high		1.40	11.429		1,650	360	126	2,136	2,250
	3300	39'-5" high		1.20	13.333		2,150	420	147	2,717	2,850
	3400	49'-2" high		1	16		4,375	505	176	5,056	3,550
	3500	59' high	↓	.90	17.778	↓	6,275	560	196	7,031	4,050
	4300	Steel, direct imbedded installation									
	4400	Internal halyard, 20' high	K-1	2.50	6.400	Ea.	1,350	202	70.50	1,622.50	1,750
	4500	25' high		2.50	6.400		1,500	202	70.50	1,772.50	1,900
	4600	30' high		2.30	6.957		1,775	220	76.50	2,071.50	2,200
	4700	40' high		2.10	7.619		2,625	241	84	2,950	3,100
	4800	50' high		1.90	8.421		3,900	266	92.50	4,258.50	4,400
	5000	60' high		1.80	8.889		5,875	281	98	6,254	6,400
	5100	70' high		1.60	10		7,175	315	110	7,600	7,800
	5200	80' high		1.40	11.429		9,475	360	126	9,961	10,200
	5300	90' high		1.20	13.333		13,000	420	147	13,567	13,800
	5500	100' high	↓	1	16	↓	13,400	505	176	14,081	14,300
* *	6400	Wood poles, tapered, clear vertical grain fir with flang									
	6410	base, not incl. foundation, 4" butt, 25' high	K-1	1.90	8.421	Ea.	625	266	92.50	983.50	1,050
	6800	6" butt, 30' high		1.30	12.308		775	390	136	1,301	1,400
	7300	Foundations for flagpoles, including									
	7400	excavation and concrete, to 35' high poles	C-1	10	3.200	Ea.	500	107		607	700
	7600	40' to 50' high	↓	3.50	9.143	↓	910	305		1,215	1,300
	7700	Over 60' high	↓	2	16	↓	1,025	535		1,560	1,650
900	0013	FLAGPOLE, Structure mounted									
	0100	Fiberglass, vertical wall set, 19'-8" long	K-1	1.50	10.667	Ea.	1,225	335	117	1,677	2,050
	0200	23' long		1.40	11.429		1,300	360	126	1,786	2,150
	0300	26'-3" long		1.30	12.308		1,900	390	136	2,426	2,550
	0800	19'-8" long outrigger		1.30	12.308		1,250	390	136	1,776	2,100
	1300	Aluminum, vertical wall set, tapered, with base, 20' high		1.20	13.333		925	420	147	1,492	1,600
	1400	29'-6" high		1	16		2,175	505	176	2,856	3,000
	2400	Outrigger poles with base, 12' long		1.30	12.308		860	390	136	1,386	1,500
	2500	14' long	↓	1	16	↓	1,375	505	176	2,056	2,200

10400 | Identification Devices

10410 Directories		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL. O&P
						MAT.	LABOR	EQUIP.	TOTAL	
100	0010 DIRECTORY BOARDS									
	0050 Plastic, glass covered, 30" x 20"	2 Carp	3	5.333	Ea.	242	190		432	500
	0100 36" x 48"		2	8		770	284		1,054	1,200
	0300 Grooved cork, 30" x 20"		3	5.333		355	190		545	600
	0400 36" x 48"		2	8		300	284		584	650
	0600 Black felt, 30" x 20"		3	5.333		192	190		382	450
	0700 36" x 48"		2	8		330	284		614	700
	0900 Outdoor, weatherproof, black plastic, 36" x 24"		2	8		685	284		969	1,100

02500 | Utility Services

SITE CONSTRUCTION 2

02550 | Piped Energy Distribution

		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL UNCL O&P
						MAT.	LABOR	EQUIP.	TOTAL	
550	0280 4" diameter	Q6	15	1,600	Ea.	17.65	64.50		82.15	119
	0290 Threaded adapters 2"		21	1,143		11.85	46		57.85	84.50
	0300 3" diameter		18	1,333		21	53.50		74.50	107
	0310 4" diameter		15	1,600		28	64.50		92.50	131
	0320 Reducers, 2"		27	889		15.75	36.50		51.25	73
	0330 3" diameter		22	1,091		18.25	44		62.25	88
	0340 4" diameter	↓	20	1,200	↓	23.50	48		71.50	101
	1010 Gas station product line for secondary containment (double wall)									
	1100 Fiberglass reinforced plastic pipe 25' lengths									
	1120 Pipe, plain end, 3"	Q6	375	.064	L.F.	6	2.57		8.57	10.60
	1130 4" diameter		350	.069		9.85	2.76		12.61	15.10
	1140 5" diameter		325	.074		12.80	2.97		15.77	18.65
	1150 6" diameter	↓	300	.080	↓	13.15	3.21		16.36	19.50
	1200 Fittings									
	1230 Elbows, 90° & 45°, 3"	Q6	18	1,333	Ea.	43	53.50		96.50	131
	1240 4" diameter		16	1,500		75.50	60.50		136	177
	1250 5" diameter		14	1,714		175	69		244	299
	1260 6" diameter		12	2		177	80.50		257.50	320
	1270 Tees, 3"		15	1,600		64	64.50		128.50	171
	1280 4" diameter		12	2		94	80.50		174.50	228
	1290 5" diameter		9	2,667		190	107		297	375
	1300 6" diameter		6	4		199	161		360	470
	1310 Couplings, 3"		18	1,333		50.50	53.50		84	117
	1320 4" diameter		16	1,500		78.50	60.50		139	180
	1330 5" diameter		14	1,714		163	69		232	286
	1340 6" diameter		12	2		169	80.50		249.50	310
	1350 Crossover ripples, 3"		18	1,333		6.90	53.50		60.40	91
	1360 4" diameter		16	1,500		8.10	60.50		68.60	102
	1370 5" diameter		14	1,714		12.05	69		81.05	120
	1380 6" diameter		12	2		12.65	80.50		93.15	139
	1406 Telescoping, reducers, concentric 4" x 3"		18	1,333		23	53.50		76.50	109
	1410 5" x 4"		17	1,412		60	56.50		116.50	154
	1420 6" x 5"	↓	16	1,500	↓	144	60.50		204.50	253

02580 | Elec/Communication Structures

100	0010 RADIO TOWERS									100
✓	0020 Guyed, 50'h, 40 lb. sec., 70 MPH basic wind speed	2 Swwk	1	16	Ea.	2,400	640		3,040	3,860
	0100 Wind load 90 MPH basic wind speed	"	1	16		2,400	640		3,040	3,860
550	0300 190' high, 40 lb. section, wind load 70 MPH basic wind speed	K-2	.33	72,727		6,500	2,650	535	9,685	12,500
	0400 200' high, 70 lb. section, wind load 90 MPH basic wind speed		.33	72,727		13,100	2,650	535	16,285	19,800
	0600 300' high, 70 lb. section, wind load 70 MPH basic wind speed		.20	120		18,500	4,375	880	23,755	29,300
	0700 270' high, 90 lb. section, wind load 90 MPH basic wind speed		.20	120		21,400	4,375	880	26,655	32,400
	0800 400' high, 100 lb. section, wind load 70 MPH basic wind speed		.14	171		31,200	6,250	1,250	38,700	47,000
	0900 Self-supporting, 60' high, wind load 70 MPH basic wind speed		.80	30		5,000	1,100	220	6,320	7,725
	0910 60' high, wind load 90 MPH basic wind speed		.46	53,333		9,025	1,950	390	11,365	13,900
	1000 120' high, wind load 70 MPH basic wind speed		.40	60		12,300	2,200	440	14,940	17,900
	1200 190' high, wind load 90 MPH basic wind speed	↓	.20	120		29,800	4,375	880	35,055	41,700
	2000 For states west of Rocky Mountains, add for shipping				↓	10%				
410	0010 UNDERGROUND DUCTS AND MANHOLES, in slab or duct bank									410
	0011 Not including excavation, backfill and cast in place concrete									
	1000 Direct burial									
	1010 PVC, schedule 40, w/coupling, 1/2" diameter	1 Exc	340	.024	L.F.	.38	.99		1.37	1.94
	1020 3/4" diameter	↓	290	.028	↓	.50	1.16		1.66	2.34
	1030 1" diameter	↓	260	.031	↓	.74	1.29		2.03	2.80

16500 | Lighting

16520 | Exterior Luminaires

	CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P
					MAT.	LABOR	EQUIP.	TOTAL	
350 4 arms	1 Elec	5.33	1.509	Ea.	353	63.50		413.50	480
380 Fiberglass pole, 1 or 2 fixtures, 20' high	R3	4	5		465	207	38	710	870
410 30' high		3.60	5.556		575	230	42.50	847.50	1,025
420 35' high		3.20	6.250		900	259	47.50	1,206.50	1,450
440 40' high		2.80	7.143		1,050	296	54.50	1,400.50	1,675
460 Wood pole, 4-1/2" x 5-1/8", 8' high	1 Elec	6	1.333		269	56		325	385
480 10' high		6	1.333		305	56		361	426
510 12' high		5.70	1.404		385	59		444	515
530 15' high		5	1.600		430	67		517	600
560 20' high		4	2		545	84		629	730
580 Bollard light, lamp & ballast, 42" high with polycarbonate lens									
600 Metal halide, 175 watt	1 Elec	3	2.667	Ea.	645	112		757	880
620 High pressure sodium, 70 watt		3	2.667		600	112		712	900
640 100 watt		3	2.667		660	112		772	906
660 150 watt		3	2.667		645	112		757	893
680 Incandescent, 150 watt		3	2.667		425	112		517	685
700 Transformer bases, not including concrete bases									
720 Maximum pole size, steel, 40' high	1 Elec	2	4	Ea.	1,100	168		1,268	1,475
740 Cast aluminum, 30' high		3	2.667		600	112		712	835
760 40' high		2.50	3.200		905	134		1,039	1,200
780 Landscape recessed upright, incl. housing, ballast, transformer & reflector									
800 Incandescent, 250 watt	1 Elec	5	1.600	Ea.	465	67		532	620
820 Quartz, 250 watt		5	1.600		445	67		512	590
840 500 watt		4	2		455	84		539	630
860 Replacement (H.I.D.) ballasts,									
880 M.A.T.-type 120/200/240/277 volt									
900 High pressure sodium, 70 watt	1 Elec	10	.800	Ea.	142	33.50		175.50	208
920 100 watt		9.40	.851		148	35.50		183.50	218
940 150 watt		9	.889		160	37.50		197.50	234
960 250 watt		8.50	.941		239	35.50		278.50	325
980 400 watt		7	1.143		269	48		317	370
1000 1000 watt		6	1.333		370	56		426	495
1020 Metal halide, 175 watt		8	1		87	42		129	161
1040 250 watt		8	1		113	42		155	189
1060 400 watt		7	1.143		141	48		189	229
1080 1000 watt		6	1.333		241	56		297	350
1100 1500 watt		5	1.600		299	67		366	435
1120 Walkway luminaire, square 16", metal halide 250 watt		2.70	2.963		520	124		644	760
1140 High pressure sodium, 70 watt		3	2.667		595	112		707	830
1160 100 watt		3	2.667		605	112		717	840
1180 150 watt		3	2.667		605	112		717	840
1200 200 watt		3	2.667		610	112		722	845
1220 Round 19" metal halide, 250 watt		2.70	2.963		755	124		879	1,025
1240 High pressure sodium, 70 watt		3	2.667		830	112		942	1,100
1260 100 watt		3	2.667		830	112		942	1,100
1280 150 watt		3	2.667		835	112		947	1,100
1300 250 watt		2.70	2.963		875	124		999	1,150
1320 Sphere 14" opal, incandescent, 200 watt		4	2		244	84		328	395
1340 Sphere 18" opal, incandescent, 300 watt		3.50	2.286		295	96		391	475
1360 Sphere 16" clear, high pressure sodium, 70 watt		3	2.667		510	112		622	735
1380 100 watt		3	2.667		545	112		657	775
1400 Cube 16" opal, incandescent, 300 watt		3.50	2.286		325	96		421	510
1420 High pressure sodium, 70 watt		3	2.667		475	112		587	700
1440 100 watt		3	2.667		490	112		602	710
1460 Lantern, high pressure sodium, 70 watt		3	2.667		429	112		532	640

02600 | Drainage & Containment

02660 Ponds & Reservoirs		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P
						MAT.	LABOR	EQUIP.	TOTAL	
600	0050 Minimum	C-7	333	216	C.F.	6.45	6.50	3.04	15.99	21
	0100 Maximum	↓	200	360	*	10.80	10.80	5.05	26.65	35
	0200 Alternate pricing method, minimum	↓	150	480	S.F.	12.90	14.40	6.75	34.05	48
	0300 Maximum	↓	120	600	↓	19.35	18	8.40	45.75	60.50
	0500 Reinforced slurry trench, minimum	B-48	177	316	↓	9.65	9.80	20.50	39.95	48
	0600 Maximum	*	69	812	↓	32	25	52.50	109.50	135
	0800 Haul for disposal, 2 mile haul, excavated material, add	B-34B	99	.081	C.Y.		2.29	4.81	7.10	9.00
	0900 Haul bentonite castings for disposal, add	*	40	200	*		5.65	11.90	17.55	22.50

02700 | Bases, Ballasts, Pavements & Appurtenances

02710 Bound Base Courses		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL O&P
						MAT.	LABOR	EQUIP.	TOTAL	
100	0010 AGGREGATE-BITUMINOUS BASE COURSE for roadways and large paved areas									
	0500 Bituminous concrete, 4" thick	B-25	4545	.019	S.Y.	8.50	.58	.47	9.55	10.80
	0550 6" thick	↓	3700	.024	↓	12.50	.72	.57	13.79	15.55
	0560 8" thick	↓	3000	.029	↓	16.65	.88	.71	18.24	20.50
	0570 10" thick	↓	2545	.035	↓	20.50	1.04	.83	22.37	25
	8900 For small and irregular areas, add						50%	50%		
200	0010 ASPHALT-TREATED PERMEABLE BASE COURSE for roadways and large paved areas									
	0700 Liquid application to gravel base, asphalt emulsion	B-45	6000	.003	Gal	3	.09	.09	3.18	3.54
	0800 Prime and seal, cut back asphalt	↓	6000	.003	*	3.54	.09	.09	3.72	4.13
	1000 Macadam penetrator crushed stone, 2 gal. per S.Y., 4" thick	↓	6000	.003	S.Y.	6	.09	.09	6.18	6.85
	1100 6" thick, 3 gal. per S.Y.	↓	4000	.004	↓	9	.13	.13	9.26	10.28
	1200 8" thick, 4 gal. per S.Y.	↓	3000	.005	↓	12	.17	.18	12.35	13.74
	8900 For small and irregular areas, add						50%	50%		
02720 Unbound Base Courses & Ballasts										
200	0010 AGGREGATE BASE COURSE For roadways and large areas									
	0050 Crushed 3/4" stone base, compacted, 3" deep	B-36C	5200	.008	S.Y.	2.69	.26	.51	3.46	3.93
	0100 6" deep	↓	5000	.008	↓	5.40	.27	.53	6.20	6.90
	0200 9" deep	↓	4600	.009	↓	8.05	.29	.58	8.92	10
	0300 12" deep	↓	4200	.010	↓	10.75	.32	.63	11.70	13.05
	0301 Crushed 1-1/2" stone base, compacted to 4" deep	B-36B	6000	.011	↓	4.25	.35	.50	5.10	5.80
	0302 6" deep	↓	5400	.012	↓	6.40	.38	.56	7.34	8.25
	0303 8" deep	↓	4500	.014	↓	8.50	.46	.67	9.63	10.85
	0304 12" deep	↓	3800	.017	↓	12.75	.55	.79	14.09	15.80
	0310 Minimum labor/equipment charge	B-35	1	40	Job		1,250	1,150	2,400	3,325
	0350 Bark run gravel, spread and compacted									
	0370 6" deep	B-32	6000	.005	S.Y.	3.54	.18	.26	3.98	4.47
	0390 9" deep	↓	4900	.007	↓	5.30	.22	.32	5.84	6.55
	0400 12" deep	↓	4200	.008	↓	7.05	.26	.38	7.69	8.65
	1500 Alternate method to figure base course									
	1510 Crushed stone, 3/4" , compacted, 3" deep	B-36C	435	.092	E.C.Y.	27.50	3.09	6.10	36.69	42
✓	1511 6" deep	B-36B	835	.077	↓	27.50	2.49	3.62	33.61	38.50
	1512 9" deep	↓	1150	.056	↓	27.50	1.80	2.63	31.93	36.50
	1513 12" deep	↓	1400	.046	↓	27.50	1.48	2.16	31.14	35.50
	1520 Crushed stone, 1-1/2" , compacted 4" deep	↓	665	.096	↓	27.50	3.12	4.54	35.16	40.50

02700 | Bases, Ballasts, Pavements & Appurtenances

2 SITE CONSTRUCTION

02740 Flexible Pavement			CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL INCL ORP
		MAT.					LABOR	EQUIP.	TOTAL		
310	1300	See 02315-490-0010 for hauling costs									
315	0011	ASPHALTIC CONCRETE PAVEMENT, LOTS & DRIVEWAYS									
✓	0020	* 6" stone base, 2" binder course, 1" topping	B-25C	9000	.005	S.F.	1.42	.16	.21	1.79	2.06
	0300	Binder course, 1-1/2" thick		35000	.001		.34	.04	.05	.43	.51
	0400	2" thick		25000	.002		.45	.06	.07	.58	.67
	0500	3" thick		15000	.003		.69	.10	.12	.91	1.06
	0600	4" thick		10000	.004		.90	.14	.17	1.21	1.40
	0800	Sand finish course, 3/4" thick		41000	.001		.18	.04	.05	.27	.31
	0900	1" thick		34000	.001		.22	.04	.05	.31	.37
	1000	Fill pot holes, hot mix, 2" thick	B-16	4200	.008		.47	.21	.11	.79	.98
	1100	4" thick		3500	.009		.68	.26	.14	1.08	1.31
	1120	6" thick		3100	.010		.92	.29	.15	1.36	1.64
	1140	Cold patch, 2" thick	9-51	3000	.016		.47	.44	.04	.95	1.30
	1160	4" thick		2700	.018		.90	.49	.05	1.44	1.86
	1180	6" thick		1900	.025		1.40	.70	.07	2.17	2.77
02750 Rigid Pavement											
300	0010	PLAIN CEMENT CONCRETE PAVEMENT									
	0015	including joints, finishing and curing									
	0020	Fixed form, 12" pass, unreinforced, 6" thick	B-20	3000	.029	S.Y.	21.50	.31	.90	23.31	26
	0030	7" thick		2650	.031		27	.36	.95	28.91	32
	0100	8" thick		2750	.032		29.50	.39	.98	31.47	35
	0110	8" thick, small area		1375	.064		29.50	1.98	1.96	33.44	38
	0200	9" thick		2500	.035		34.50	1.09	1.08	36.67	41
	0300	10" thick		2100	.042		37	1.30	1.28	39.58	44.50
	0310	10" thick, small area		1050	.084		37	2.60	2.57	42.17	48
	0400	12" thick		1800	.049		40	1.52	1.50	43.02	49
	0500	15" thick		1500	.059		44.50	1.82	1.80	48.12	54
	0505	Minimum labor/equipment charge	1 Cub	1	8	Job		275		275	435
	0510	For small irregular areas, add				%		100%			
	0515	For under 10' pass, add								7.30	8.56
	0550	For 24" pass, deduct						20%	20%	20%	
	0555	For slipforming, deduct						10%	10%	10%	
	0700	Finishing, broom finish small areas	2 Cub	120	.133	S.Y.		4.59		4.59	7.25
	0710	Transverse joint support bowels	C1	350	.091	Ca.	3.24	3.06		6.30	8.65
	0720	Transverse contraction joints, saw cut & grind	A-1B	120	.067	L.F.		1.83	.09	2.72	4.01
	0730	Transverse expansion joints, incl. premolded bit jt filler	C-1	150	.213		1.57	7.15		8.72	13.60
	0740	Transverse construction joint using bulkhead		73	.438		2.28	14.70		16.98	27
	0750	Longitudinal joint tie bars, grouted	B-23	70	.571	Fa.	3.53	15.90	.51	20.43	36.50
	1000	Curing, with sprayed membrane by hand	2 Cub	1500	.011	S.Y.	.50	.29		.79	1.03
	1050	For integral coloring, see div. 03310-220									
02760 Paving Specialties											
300	0010	PAINTED TRAFFIC LINES AND MARKINGS									
	0020	Acrylic waterborne, white or yellow, 4" wide	B-78	20000	.002	L.F.	.17	.07	.02	.26	.32
	0200	6" wide		11000	.004		.16	.12	.06	.32	.42
	0500	8" wide		10000	.005		.22	.13	.04	.39	.50
	0600	12" wide		4000	.012		.41	.33	.10	.84	1.11
	0620	Arrows or gore lines		2300	.021	S.F.	.64	.58	.17	1.39	1.85
	0640	Temporary paint, white or yellow		15000	.003	L.F.	.19	.09	.03	.31	.39
	0660	Removal	1 Cub	300	.027			.73		.73	1.21
	0680	Temporary tape	2 Cub	1500	.011		1.85	.29		2.14	2.62
	0710	Thermoplastic, white or yellow, 4" wide	B-79	15000	.003		.74	.07	.05	.87	1
	0730	6" wide		14000	.003		1.07	.09	.06	1.21	1.38
	0740	8" wide		12000	.003		1.44	.09	.07	1.60	1.82



391-1

that was easy®

Back to: Chairs / Leather Guest



Global Traditional Guest Chair, Dark Burgundy

Dark Burgundy finish with leather-like vinyl seat and back.

- Mahogany finish wood trim and brass nailed trim
- No assembly required
- 15-year mfr. limited warranty
- More details below

Also Consider

Global Traditional Executive Chair in Burgundy with Mahogany Wood Finish



\$269.99 Each

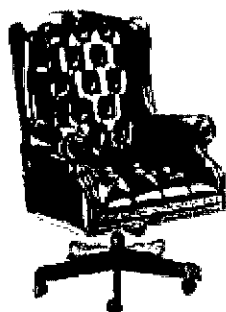
Item 903120 Model 8962M-557	Global Traditional Guest Chair, Dark Burgundy	Expected Delivery 2 Business Days	\$149.99 Each Buy More, Save More • 1-2 @ \$149.99 • 3+ @ \$142.99	Qty. 1 Add to Favorites X4
Recommended Items				
 Item 561162	Rubbermaid BerberMat, Traditional, 36" x 48" • Great for Berber carpets • Best on carpets and pads up	Expected Delivery 1 Business Day	\$29.99 Each	Qty. Add to Favorites

STAPLES

that was easy.®

391-2

Back to: Chairs / Leather & Wood Executive



Global Traditional Executive Chair in Burgundy with Mahogany Wood Finish

Distinguished dark burgundy upholstery.

With its vinyl seat/back and mahogany finish wood trim, this chair will add an elegant touch to your office.

- Faux Burgundy leather
- Closed arms
- Mahogany finish wood trim
- Full swivel
- Tilt Tension increases or decreases the resistance of chair tilt
- Tilt Angle: Seat & back tilt simultaneously at the same ratio
- 45"H x 29"W x 29-1/2"D
- Manual seat height adjustment
- Meets or Exceeds ANSI-BIFMA Standards
- Ready to Assemble
- Lifetime mfr. limited warranty

- **More details below**

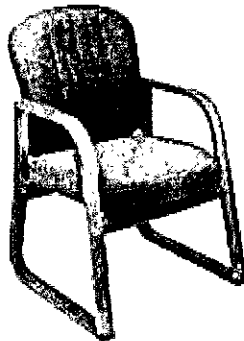
Item 429077 Model 8960M-557	Global Traditional Executive Chair in Burgundy with Mahogany Wood Finish	Expected Delivery 1 Business Day	\$269.99 Each	Qty. 1
				Add to Favorites

391-3

STAPLES

that was easy.®

Back to: Chairs / Guest



Oak Wood Guest Chairs

- Thick padded seat
- Built-in lumbar support reduceslower-back fatigue and strain
- Solid-wood armrests and sled base
- 38 1/4"H x 24"W x 27 3/4"D
- Ready to assemble
- 15-year mfr. limited warranty

- [More details below](#)

	sort by Name	sort by Delivery	sort by Price	
 Item 582671 Model WD4005-138	Oak Wood Guest Chairs, Brick Fabric • Thick padded seat • Built-in lumbar support reduceslower-back fatigue and strain • Solid-wood armrests and sled base	Expected Delivery7 - 14 Business Days	\$159.99 each	Qty. Add to Favorites
 Item 582682 Model WD4005-140	Oak Wood Guest Chairs, Grape Fabric • Thick padded seat • Built-in lumbar support reduceslower-back fatigue and strain • Solid-wood armrests and sled base	Expected Delivery7 - 14 Business Days	\$159.99 each	Qty. Add to Favorites
 Item 582693 Model WD4005-142	Oak Wood Guest Chairs, Lake Fabric • Thick padded seat • Built-in lumbar support reduceslower-back fatigue and strain • Solid-wood armrests and sled base	Expected Delivery7 - 14 Business Days	\$159.99 each	Qty. Add to Favorites
	Oak Wood Guest Chairs, Nickel Fabric	Expected Delivery7 - 14 Business Days	\$159.99 each	Qty.

391 - 4

 Item 489041 Model HON6213BW19T	• Multifunctional arms that adjust up, down, side to side, slide forward and backward, and pivot 15° inward to 15° outward • Back height adjustment positions lumbar support to user's back • Seat glide mechanism, 360° swivel, tilt tension and tilt lock controls				Add to Favorites
 Item 785279 Model HON4002AB12T	HON® Solutions Seating Swivel/Tilt Chair, Olefin® Upholstery - Dark Gray • 100% Olefin Upholstery with stain-resistant protection • Molded arm pads and back • Pneumatic seat height adjustment	Expected Delivery 7 - 14 Business Days	\$185.70 Each	Qty. 1	Add to Favorites
 Item 462889 Model HON4001AB12T	HON® Solutions Seating® High Back Swivel/Tilt Chair, Olefin® Upholstery, Dark Gray • Fully upholstered back with stain resistant 100% Olefin Upholstery • Molded arm pads • Pneumatic seat height adjustment and tilt tension and tilt lock	Expected Delivery 1 - 4 Business Days	\$210.09 Each	Qty. 1	Add to Favorites
	sort by Name	sort by Delivery	sort by Price		

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391-5

that was easy®

Back to: Desk Organizer Collections, Plastic / Rubbermaid® Image® Black Plastic Desk Collection



Rubbermaid® Image® Black Plastic Stackable Side-Load Legal-Size Tray

Complete your Image® desk collection with the following pieces:

Front-Load Letter Tray
 Front-Load Legal-Size Tray
 Four Stacking Supports
 Stackable Front-Load Letter Tray
 Stackable Side-Load Letter Tray
 Stackable Side-Load Legal Tray
 Memo Holder
 Business Card Holder
 Pencil Holder
 Magnetic Clip Dispenser
 Stapler
 Tape Dispenser

- Holds legal-size materials
- 2 1/2"H x 17 1/4"W x 10"D
- Use stacking supports (sold separately -- #514729) to stack multiple trays
- More details below

Also Consider

Rubbermaid® Image® Black Plastic Stackable Front-Load Letter Tray



\$11.99 Letter Tray

Item	Rubbermaid® Image® Black Plastic Stackable	Expected Delivery 1	\$15.99 Legal	Qty.
------	--	---------------------	---------------	------

STAPLES**391-6**

that was easy®

Back to: Tables / Rectangular / Oval Conference Room Tables



Basyx Oval Conference Tables

Ideal for virtually any office environment

Top and base sold separately. You must order both.

- Medium Oak or Gray finish with high-pressure laminate top with 1-1/8" thick bullnose edge
- Patented Superstrut™ steel stretcher reinforcement for a no-sag surface
- Adjustable leveling guides
- Patented Super Strut steel stretcher reinforcement for a no-sag surface
- Seats 8-10
- Ready to assemble
- 5-year mfr. limited warranty

	sort by Name	sort by Delivery	sort by Price	
 Item 392436 Model BSXOV4896TQ	Basyx 48" x 96" Oval Conference Table Top, Gray • Laminate 1 1/4" wood-grain top • Walnut, Medium Oak or Gray finish top • Adjustable leveling guides	Expected Delivery 1 - 4 Business Days	\$339.99 Table Top Only	Qty. Add to Favorites
 Item 392431 Model BSXOV4896TM	Basyx 48" x 96" Oval Conference Table Top, Medium Oak • Medium Oak or Gray finish with high-pressure laminate top with 1-1/8" thick bullnose edge • Patented Superstrut™ steel stretcher reinforcement for a no-sag surface • Adjustable leveling guides	Expected Delivery 1 - 4 Business Days	\$339.99 Table	Qty. Add to Favorites
 Item 392439 Model BSXOVBASEQ	Basyx Oval Conference Table Base, Gray • Medium Oak or Gray finish with high-pressure laminate top with 1-1/8" thick bullnose edge • Patented Superstrut™ steel stretcher reinforcement for a no-sag surface • Adjustable leveling guides	Expected Delivery 1 - 4 Business Days	\$259.99 Base	Qty. Add to Favorites

391-7

	- Walnut Finish 4 adjustable/removable shelves (3/4" thick) 60"H X 36"W x 12"D			Add to Favorites
Item 505653 Model HAR16064				
	Harbour Creations BC Series Wood Veneer Bookcase, 72" High, Mahogany	Expected Delivery 1 - 4 Business Days	\$239.99 6-Shelf	Qty.
Item 505654 Model HAR17262	- Mahogany Finish 5 adjustable/removable shelves (3/4" thick) 72"H X 36"W x 12"D			Add to Favorites
	Harbour Creations BC Series Wood Veneer Bookcase, 72" High, Medium Oak	Expected Delivery 1 - 4 Business Days	\$239.99 6-Shelf	Qty.
Item 505656 Model HAR17263	- Medium Oak Finish 5 adjustable/removable shelves (3/4" thick) 72"H X 36"W x 12"D			Add to Favorites
	Harbour Creations BC Series Wood Veneer Bookcase, 72" High, Walnut	Expected Delivery 1 - 4 Business Days	\$239.99 6-Shelf	Qty.
Item 505657 Model HAR17264	- Walnut Finish 5 adjustable/removable shelves (3/4" thick) 72"H X 36"W x 12"D			Add to Favorites
	Harbour Creations BC Series Wood Veneer Bookcase, 84" High, Mahogany	Expected Delivery 1 - 4 Business Days	\$269.99 Each	Qty.
Item 505658 Model HAR18462	- Mahogany Finish 6 adjustable/removable shelves (3/4" thick) 84"H X 36"W x 12"D			Add to Favorites
	Harbour Creations BC Series Wood Veneer Bookcase, 84" High, Medium Oak	Expected Delivery 1 - 4 Business Days	\$269.99 Each	Qty.
Item 505659 Model HAR18463	- Medium Oak Finish 6 adjustable/removable shelves (3/4" thick) 84"H X 36"W x 12"D			Add to Favorites
	Harbour Creations BC Series Wood Veneer Bookcase, 84" High, Walnut	Expected Delivery 1 - 4 Business Days	\$269.99 Each	Qty.
Item 505660 Model HAR18464	- Walnut Finish 6 adjustable/removable shelves (3/4" thick) 84"H X 36"W x 12"D			Add to Favorites
	sort by Name	sort by Delivery	sort by Price	

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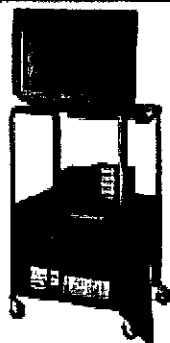
391-8

	Harbour Creations BC Series Wood Veneer Bookcase, 36" High, Mahogany • Mahogany Finish • 2 adjustable/removable shelves (3/4" thick) • 36"H X 36"W x 12"D	Expected Delivery 1 - 4 Business Days	\$139.99 3-Shelf	Qty. Add to Favorites
Item 505639 Model HAR13662				
	Harbour Creations BC Series Wood Veneer Bookcase, 36" High, Medium Oak • Medium Oak Finish • 2 adjustable/removable shelves (3/4" thick) • 36"H X 36"W x 12"D	Expected Delivery 1 - 4 Business Days	\$139.99 3-Shelf	Qty. Add to Favorites
Item 505641 Model HAR13663				
	Harbour Creations BC Series Wood Veneer Bookcase, 36" High, Walnut • Walnut Finish • 2 adjustable/removable shelves (3/4" thick) • 36"H X 36"W x 12"D	Expected Delivery 1 - 4 Business Days	\$139.99 3-Shelf	Qty. Add to Favorites
Item 510069 Model HAR13664				
	Harbour Creations BC Series Wood Veneer Bookcase, 48" High, Mahogany • Mahogany Finish • 3 adjustable/removable shelves (3/4" thick) • 48"H X 36"W x 12"D	Expected Delivery 1 - 4 Business Days	\$169.99 4-Shelf	Qty. x 2 Add to Favorites
Item 505645 Model HAR14862				
	Harbour Creations BC Series Wood Veneer Bookcase, 48" High, Medium Oak • Medium Oak Finish • 3 adjustable/removable shelves (3/4" thick) • 48"H X 36"W x 12"D	Expected Delivery 1 - 4 Business Days	\$169.99 4-Shelf	Qty. Add to Favorites
Item 505647 Model HAR14863				
	Harbour Creations BC Series Wood Veneer Bookcase, 48" High, Walnut • Walnut Finish • 3 adjustable/removable shelves (3/4" thick) • 48"H X 36"W x 12"D	Expected Delivery 1 - 4 Business Days	\$169.99 4-Shelf	Qty. Add to Favorites
Item 505648 Model HAR14864				
	Harbour Creations BC Series Wood Veneer Bookcase, 60" High, Mahogany • Mahogany Finish • 4 adjustable/removable shelves (3/4" thick) • 60"H X 36"W x 12"D	Expected Delivery 1 - 4 Business Days	\$209.99 5-Shelf	Qty. Add to Favorites
Item 505649 Model HAR16062				
	Harbour Creations BC Series Wood Veneer Bookcase, 60" High, Medium Oak • Medium Oak Finish • 4 adjustable/removable shelves (3/4" thick) • 60"H X 36"W x 12"D	Expected Delivery 1 - 4 Business Days	\$209.99 5-Shelf	Qty. Add to Favorites
Item 505652 Model HAR16063				
	Harbour Creations BC Series Wood Veneer Bookcase, 60" High, Walnut	Expected Delivery 1 - 4 Business Days	\$209.99 5-Shelf	Qty.

STAPLES**391-9**

that was easy.®

Back to: Carts & Stands / Audio/Visual Carts



Office Impressions Adjustable Audio Visual Cart with Power Strip

Three-outlet power strip with 25-foot cord and storage bracket

- Holds monitors to 27"
- Height adjusts from 40" to 56"
- Two locking 4 casters
- Ready to assemble

	sort by Name	sort by Delivery	sort by Price	
 Item 506751 Model OID36660	Adjustable Audio Visual Cart with Power Strip • Holds monitors to 27" • Height adjusts from 40" to 56" • Two locking 4 casters	Expected Delivery 7 - 14 Business Days	\$364.68 Cart	Qty. Add to Favorites
 Item 347288 Model OID36650	Adjustable Audio Visual Cart with Power Strip and Locking Cabinet • Holds monitors to 27" • Height adjusts from 40" to 56" • Two locking 4 casters	Expected Delivery 7 - 14 Business Days	\$493.64 Cart	Qty. Add to Favorites
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391-10

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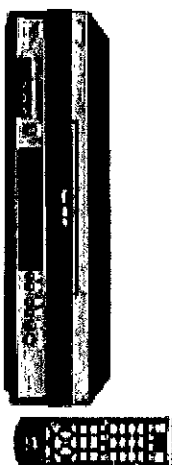
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JVC 4-Head Hi-fi Stereo VCR

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JVC 4-Head VCR (HRS2902U)

JVC HRS2902U

- Four-head design
- Hi-fi stereo capability
- Front AV inputs
- Plug and play

Price: \$129.00

Add to cart

Enlarge

How to Get It ☒ View shipping options
zip code ☒ Not available in stores

Note: This item is shipped directly from the vendor and shipping times may be affected.

Highlights: Customer reviews How to get it Specifications Accessories Click & Learn

Be the first person to rate this product!

Features

JVC 4-Head VCR (HRS2902U)

- Four-head design:** Four heads provide the best VHS playback quality and enhanced features such as still frame and slow motion.
- Hi-fi stereo capability:** Hi-fi stereo ensures high quality sound reproduction.
- Front AV inputs:** Makes it easy to hook up other VCRs, camcorders or video game consoles.
- Plug and play:** Local time and available channels are set automatically.

Protect it!

Circuit City Advantage Protection Plan for 2 years on JVC HRS2902U
\$24.96

Click here

Accessories

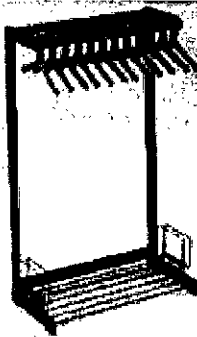
Recommended

Belkin Surge Protector (F9S82006CL)

STAPLES**391-11**

that was easy.®

Back to: Furniture Accessories / Costumers/Garmet Racks



Magnuson Group Office Rak™ with Preset Hanger Spacing

Includes 8, /clatter-proof/ polystyrene hangers, MGNMG17PM6CG (also sold separately) with slotted design to reduce theft. Features wire hat and boot shelves; two umbrella holders with molded drip trays.

- Clean, uncluttered lines fit any office environment.
- Heavy-gauge steel construction; rustproof, vinyl coated shelves.
- Black.
- 3" spacing between garments ensures proper ventilation.
- 60"H x 22"D
- Ready to assemble. No tools required for assembly.

	sort by Name	sort by Delivery	sort by Price	
 Item 506292 Model MGNOR4AGY	48" Wide Office Rack, Holds 16 Hangers, Gray, Includes 16 Hangers • Clean, uncluttered lines fit any office environment. • Heavy-gauge steel construction; rustproof, vinyl coated shelves. • Black.	Expected Delivery 7 - 14 Business Days	\$369.99 Each	Qty. Add to Favorites
 Item 506289 Model MGNOR4ABK	Magnuson Group 48" Wide Office Rak®, Black • Clean, uncluttered lines fit any office environment. • Heavy-gauge steel construction; rustproof, vinyl coated shelves. • Black.	Expected Delivery 7 - 14 Business Days	\$369.99 Each	Qty. Add to Favorites
	sort by Name	sort by Delivery	sort by Price	

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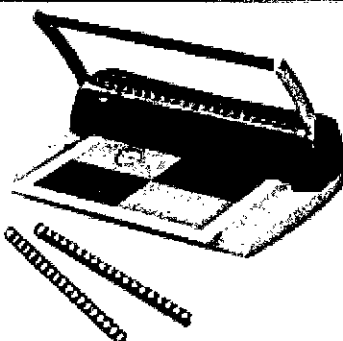
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391-12

that was easy®

Back to: Office Machines / Comb Binding Machines



GBC CombBind™ C75 Manual Binding System

Great for the small home or office

- Binds up to 125 sheets of paper, punches up to 10 sheets
- Easily add and remove sheets with a machine for quick edits
- Manual punching and binding with ZipBind® Easy-Editing spines
- Features an ergonomic handle for extended use
- Horizontal paper feed
- Pages lie flat for convenient notetaking and photocopying

Item 599470 Model 7704230	GBC CombBind™ C75 Manual Binding System	Expected Delivery 1 Business Day	\$99.99 Each	Qty. 1 Add to Favorites
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RCA TruFlat
27F500TDV 27
in Combo CRT
TV

\$399.99

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Aspect Ratio:
Widescreen
(16:9), Standard
(4:3)

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RCA E13320 13
in TV
Aspect Ratio:
Standard (4:3)

\$98

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2 reviews:
★ ★ ★

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RCA TruFlat
20F510TD 20 in
Combo CRT TV
Aspect Ratio:
Standard (4:3)

\$218.99

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RCA
24F501TDV 24
in TV/DVD/VCR
Combo
Aspect Ratio:
Widescreen
(16:9), Standard
(4:3)

\$499.95

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RCA
LCDS2022B 20

\$883.00

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391-14

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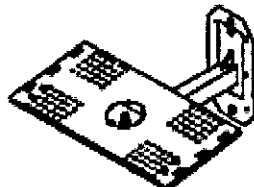
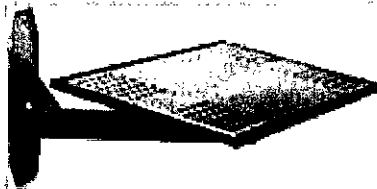


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SVPM 40-W - VCR/DVD
Bracket for LWB-530,
LWB-354 AND WB-20T
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Locking Wall Mount for 19**

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The Slimline™ Wall Mounts provide a
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These shelf style wall mounts offer a
profile design that is unparalleled in
safety.

Features:

- Ideal for... (See Full Description)

OUR PRICE: \$75.00

Original Price: \$99.00

You Save: \$24.00 (24%)

SKU #PE0001

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Step 1: Select Your Shipping

FREE SHIPPING! Usually ships within 24 to 72 hours [See Estimated Dates]

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Questions? Call us anytime at (866) 506-6868

Quantity: 1

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Manufacturer Details:

peerless

Peerless Industries has been the leader in the audiovisual mounting
over 40 years, providing innovative mounting solutions that focus
of installation and functionality while providing an aesthetically pleasing
and... More on Peerless...

Insights:

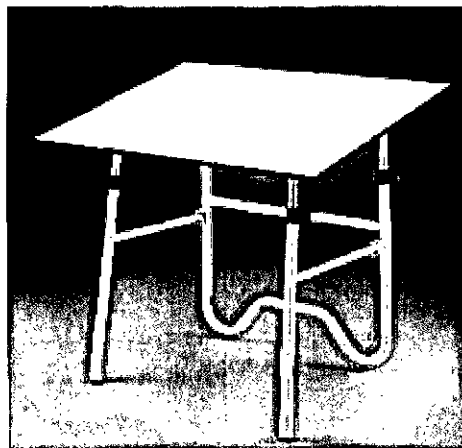
Construction Quality

what's this?

Economical • • • • • Premium

Shipping Damage

Rarely • • • • • Often

391-15

Alvin "Onyx" Fold-Away -- FREE FREIGHT

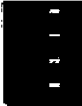
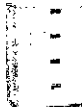
This contemporary fold-away drafting table is perfect for home, office and dormitory. The sturdy 1-1/2" tubular steel frame is easy to set up and is available either in black or white powder-coated finish that will provide years of service. The four telescoping legs allow the tabletop surface to easily adjust from 29" to 44" in horizontal position and tilt from 0 to 45 degrees. Drafting table has fold-away gate hinges permit base to fold flat in seconds to 5" for convenient storage. Warp-free white Melamine drawing board top. Please specify White or Black base when ordering drafting table. Free Freight applies to shipments in the continental U.S. only, and does not include shipments to Alaska and Hawaii.

24" x 36" top (#ONX-30) \$119.95 **ADD TO CART**

30" x 42" top (#ONX-42) \$137.80 **ADD TO CART**

DRAFTING & ART ★ Art & Drafting Tables ★ Art Supplies ★ Board Cover ★ Chairs ★ Computer Tables ★ Const. Calculators ★ Cutting ★ Drafting Kits ★ Drafting Machines ★ Drafting Tables ★ Drawing Protectors ★ Erasing Machines ★ Files & Storage ★ Hobby & Craft ★ Lam Tables & Boxes ★ Mayline Group Products ★ Paper, Film & Supplies ★ Parallel Rule/ Straightedges ★ Pens & Pencils ★ Plan Measures ★ Ruler Scales ★ Stools ★ Student Supplies ★ Table Trays/ Pencil Ledges ★ Taboret ★ Trimmers **SCHOOL** ★ Drafting Tables & Furniture **PLOT PRINTERS** ★ HP Plotters ★ HP Inkjet Cartridges ★ Inkjet Media ★ Other Media **XEROGRAPHIC** ★ Media & Supplies ★ **SITE MAP**

391-16

			\$456.99	
 Item 794891 Model 693L-Q	HON® 600 Series 42" Wide 3-Drawer Lateral File, Gray • Letter and legal • Three drawer • Gray	Expected Delivery 1 - 4 Business Days	\$479.99 File Cabinet Buy More, Save More • 1-2 @ \$479.99 • 3+ @ \$456.99	Qty. _____ Add to Favorites
 Item 794875 Model 693L-L	HON® 600 Series 42" Wide 3-Drawer Lateral File, Putty • Letter and legal size • Three drawer • Putty	Expected Delivery 1 - 4 Business Days	\$479.99 File Cabinet Buy More, Save More • 1-2 @ \$479.99 • 3+ @ \$456.99	Qty. _____ Add to Favorites
 Item 794925 Model 694L-P	HON® 600 Series 42" Wide 4-Drawer Lateral File, Black • Letter and legal • Four drawer • Black	Expected Delivery 7 - 14 Business Days	\$579.99 File Cabinet Buy More, Save More • 1-2 @ \$579.99 • 3+ @ \$552.99	Qty. _____ Add to Favorites
 Item 409356 Model HON694LS	HON® 600 Series 42" Wide 4-Drawer Lateral File, Charcoal • Letter and legal size • Four drawer • Charcoal	Expected Delivery 7 - 14 Business Days	\$579.99 File Cabinet Buy More, Save More • 1-2 @ \$579.99 • 3+ @ \$552.99	Qty. _____ Add to Favorites
 Item 794933 Model 694L-Q	HON® 600 Series 42" Wide 4-Drawer Lateral File, Gray • Letter and legal size • Four drawer • Gray	Expected Delivery 7 - 14 Business Days	\$579.99 File Cabinet Buy More, Save More • 1-2 @ \$579.99 • 3+ @ \$552.99	Qty. _____ Add to Favorites
	HON® 600 Series 42" Wide 4-Drawer Lateral File, Putty	Expected Delivery 7 - 14 Business Days	\$579.99 File Cabinet Buy More, Save More	Qty. _____ Add to

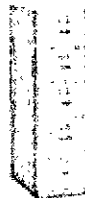
391-17


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Why Planet Office Furniture?
Plan Ahead Volume Discount Program
Discounts for Schools and Non-Profits
Legal Size, 5 Drawer Vertical File Cabinets

Planet Office Furniture's offers you high quality legal size, 5-drawer vertical file cabinets. The file cabinets include a lock for the security of your paperwork. Choose from black, gray, or putty rust-proof enamel.

**Hon 310 Series Five Drawer Vertical Files w/Locks - Size**

Dimensions: 60"H x 26 1/2"D x 18 1/2"W, Lock Included, Legal Size, 5 No: 315CP

Our Price: \$329.25**Quick Finder****Need File Cabinets?****HON Lateral File Cabinets**

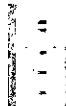
2 Drawer	30"	36"	42"
3 Drawer	36"	42"	Wide
4 Drawer	30"	36"	42"
5 Drawer	36"	42"	Wide

Wood Lateral File Cabinets**HON Vertical File Cabinets**

2 Drawer	Letter	Legal Size
3 Drawer	Letter	Legal Size
4 Drawer	Letter	Legal Size
5 Drawer	Letter	Legal Size

8

391-18

	Recycled		3+ @ \$514.99	
 Item 794941 Model 685L-L	HON® 600 Series 36" Wide 5-Drawer Lateral File - Letter and legal size - Five drawer - Putty	Expected Delivery 1 to 7 days	\$649.99 File Cabinet Buy More, Save More 1-2 @ \$649.99 3+ @ \$618.99	Qty. Add to Favorites
	Recycled			
 Item 794958 Model 685L-P	HON® 600 Series 36" Wide 5-Drawer Lateral File, Black - Letter and legal size - Five drawer - Black	Expected Delivery 1 to 7 days	\$649.99 File Cabinet Buy More, Save More 1-2 @ \$649.99 3+ @ \$618.99	Qty. Add to Favorites
	Recycled			
 Item 409310 Model HON685LS	HON® 600 Series 36" Wide 5-Drawer Lateral File, Charcoal - Letter and legal size - Five drawer - Charcoal	Expected Delivery 7 - 14 Business Days	\$649.99 File Cabinet Buy More, Save More 1-2 @ \$649.99 3+ @ \$618.99	Qty. Add to Favorites
 Item 794966 Model 685L-Q	HON® 600 Series 36" Wide 5-Drawer Lateral File, Gray - Letter and legal size - Five drawer - Gray	Expected Delivery 1 to 7 days	\$649.99 File Cabinet Buy More, Save More 1-2 @ \$649.99 3+ @ \$618.99	Qty. Add to Favorites
	Recycled			
sort by Name		sort by Delivery	sort by Price	

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Back to: Furniture / File Cabinets

File Cabinets - Vertical

Our most popular option.

- All Vertical File Cabinets
- Commercial Metal
- Small or Home Office Metal
- Wood Vertical File Cabinets

Today's Features

Staples Vertical File, 25" 2-Drawer, Letter Size, Putty



~~\$99.98~~ File Cabinet

HON 280 26 1/2"-Deep 2-Drawer/Letter Vertical File Cabinet, Light Gray



~~\$107.94~~ File Cabinet

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Flat & Roll Files

Engineering and Art solutions.

- Drafting, Printout and Wire File Systems
- Flat File Systems

Today's Features

Safco 5-Drawer Steel Flat File Only, 16 1/2"H x 40 3/8"W x 29 3/8"D ✓



\$779.99 File Only

Base. \$129.99

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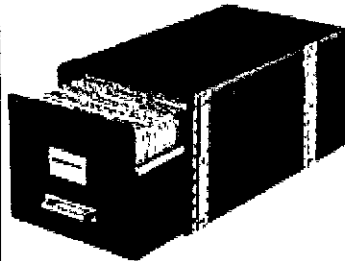


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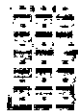
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391-21

Back to: Storage & Organizers / Cardboard Drawer Storage

**Perma® 2300 Heavy-Duty Transfer File Systems****Heavy-duty transfer drawer system**

- Heavy-duty 20-gauge steel side channels
- Heavy-duty 13-gauge double-metal crossbeam
- Heavy-duty drawer
- Stacks and interlocks up to 10 high
- Available in letter or legal size
- 45% post-consumer recycled content

Also Consider**Bin Warehouse Storage System, 18-File Box Model****\$99.99 Each**

	sort by Name	sort by Delivery	sort by Price	
 Item 113951 Model 23921	Perma® 2300 Heavy-Duty Legal-Size Transfer File System • Heavy-duty 20-gauge steel side channels • Heavy-duty 13-gauge double-metal crossbeam • Heavy-duty drawer	Expected Delivery 1 to 7 days	\$39.99 Each	Qty. Add to Favorites
 Item 113902 Model	Perma® 2300 Heavy-Duty Letter-Size Transfer File System • Heavy-duty 20-gauge steel side channels and • Heavy-duty 13-gauge double-metal crossbeam • Heavy-duty drawer	Expected Delivery 1 to 7 days	\$36.99 Each	Qty. Add to Favorites

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Call us for assistance and find out if we
carry an item that may not be online

Home > Home and Kitchen Appliances > Refrigeration > Compact Refrigerators > Compact Refrigerator

Avanti EC15W-2 1.7 cu. ft. ThermoElectric Compact Refrigerator,

Shipping Calculator

Qty: 1 Zip:

Submit

For multiple pieces or for local
rates in the NY/NJ area, please
call for a price quote.

more images



Compact Refrigerator

Just Added



09/25 Summit SW23L
09/21 Jennair JMW8527DAS
09/21 Jennair JMW8527DAW
09/21 Jennair JMW9527DAS
09/21 Jennair JMW9527DAW

This Month's Best Sellers



Summit H1820W \$60.00
\$66.93
Avanti 653SST \$286.00
\$276.45
Hitachi RAS09UH-
RAC09UHV \$400.00
\$454.03
Avanti 249SYB \$400.00
\$134.83
Danby DCR412BLS \$200.00
\$202.73

What's Hot



enlarge

Manufacturer: **Avanti**
Model No: **EC15W-2**
Availability: **In Stock**
Old Price: ~~\$60.00~~
Sale Price: **\$66.93**
Qty:
add to cart

The Avanti EC15W-2 Compact Refrigerator

The Avanti EC15W-2 is a great compact refrigerator. It's small size makes it a great unit for small a vibration making it very quiet.

1.7 Cu. Ft. Capacity - Thermo Electric Refrigerator - No Vibration - Reversible Door - Color: White

for more information on the EC15W-2 and other Avanti Appliances, please visit their official websi

Features

- Solid State Components For Superior Reliability
- No Vibration
- Unique State-Of-The-Art Thermoelctric Technology
- Environmentally Friendly
- Full Range Temperature
- Reversible Door - Left Or Right Swing
- Soft Interior LED Lighting With ON/OFF Switch
- Slide Out Shelf
- Tall Bottle Door Rack - Holds 2-Liter
- Color: White
- Power 115 Volts - 60Hz

SPECS

Model: **EC15W-2**
Refrigerator Type: **Compact Refrigerator**
Door Color: **White**
Cabinet Color: **White**
Capacity: **1.70 cu. ft.**

391-23

☎ Toll Free 888.228.5800 | Chicagoland 847.967.8830



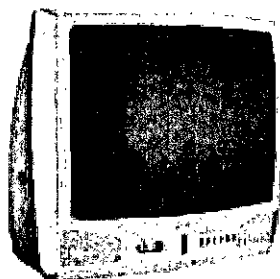
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RCA 19" Diagonal TV - F19421/ Advanced
ColorView Processing/ On-Screen Clock, Sleep
And Alarm Timers/ Front Audio Video Inputs/
Energy Star Compliant/ Remote Control

Back Ordered 7 To 14 Days

\$ 128.00

[Add To Cart](#)[Save to Wishlist](#)**Product Rating**

(0 ratings)

[Write a Review](#)[PRODUCT DETAILS](#)[ACCESSORIES +](#)[REVIEWS -](#)**RCA 19" Diagonal TV, Model F19421**

RCA brings style and convenience together in this great 19" Diagonal Television. The sleek metallic silver finish will look fantastic in any room in your home. In addition to the attention to style, RCA included Front Audio Video Inputs, a Front Headphone Jack and Direct-Access Remote for total convenience. RCA didn't stop at style and convenience in this television – it is also packed with a High Contrast Picture Tube with Advanced ColorView Processing. This will increase the contrast on your television under bright room conditions and also provides vivid color highlights. Start enjoying the style and convenience of this 19" Diagonal Television today!

Features:

- 19" Diagonal Television with Front Inputs and Advanced ColorView Processing
- High Contrast Picture Tube with Advanced ColorView Processing
- On-Screen Clock, Sleep and Alarm Timers
- Front Audio Video Inputs
- Direct-Access Remote Control
- Trilingual On-Screen Display
- Front Headphone Jack
- Energy Star Compliant

Approximate Dimensions:

- Height: 17-1/4"
- Width: 19"
- Depth: 19"



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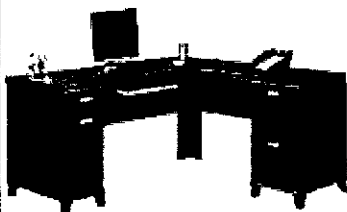
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Back to: Modern / Bush Tuxedo Collection



#250.-

Bush Tuxedo Collection, "L" Desk

"L" style desk creates a large worksurface for all your needs.

- Durable Mocha Cherry finish is low maintenance and resists dents and scratches, while Satin Nickel hardware conveys elegance
- Accepts a hutch which can be mounted on either side of desk Includes one 2-drawer letter/legal file storage plus one CPU storage pedestal and keyboard tray
- 29 3/4" H x 59 3/8" W x 59 5/8"
- Includes 2 drawer letter/legal file storage plus CPU storage and keyboard tray
- Ready to assemble
- 6-year manufacturer's limited warranty
- More details below

391-25**Office DEPOT.**

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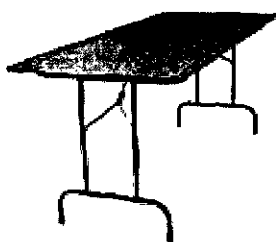
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Day Delivery!**[View Cart | Check Out](#)**Shopping Tools****Find Printer Supplies**[Manufacturer](#) [Find a Store](#) [Order by Item #](#) [Order Tracking](#) [My Account](#) [My Shopping Lists](#) [Request a Catalog](#) [Apply for Credit Card](#) [Worklife Rewards](#) [Star Teacher](#) [Buyer's Edge](#) [Shop Our Site](#) **Budget Folding Tables, 29"H x 72"W x 30"D,
Walnut**[View all Folding Tables](#)

These folding work tables are on hand when you need extra work space, but out of the way when you don't. The walnut melamine top is made of 5/8" industrial-density particle board, is water and scratch resistant, and is more burn resistant than vinyl. Features automatic leg locks, industrial-grade foot caps and edge molding. Available in a walnut wood-grain top with a dark-brown steel frame. Manufacturer's 1-year limited warranty.

Metal F
1/2"H
3/4"D
P
U
Qty:

Item#	Our Price	Units	Quantity	In Stock
398677	\$50.99	each		

Product Details

Item #	398677
Manufacturer #	29306M
manufacturer	Correll
brand name	Correll
tabletop construction	particleboard
base construction	steel
height	29 inches
width	72 inches
depth	30 inches
adjustable height	no
levelers	no
warranty	1-year limited
assembly required	no

\$289.99

After Mail In Savings
20" Samsung Monitor
(online price \$349.99)

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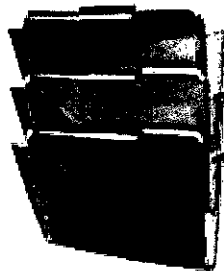
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Smoke**[View all Hanging Wall Files](#)

Set includes 3 plastic wall pockets. Mount these space-saving vertical, letter-size files on the wall of your office, clinic, warehouse or factory (hardware included). These file holders may be used separately or nested together to form a system.

3-pack, smoke shown.

Item #	Our Price	Units	Quantity
579433	\$16.49	pack	

In Stock

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and SAVE!**

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\$12.39

pack

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Manufacturer #	N3C0046A
desktop accessory style	contemporary
color	Smoke
material	plastic
height	14 7/8 inches
width	13 inches
depth	4 inches
brand name	Office Depot
manufacturer	Office Depot

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Back to: Reception / Office Star® Traditional Oxblood Faux Leather Reception Seating



Office Star® Traditional Oxblood Faux Leather Sofa

Elegant traditional tufted seating with brass nail-head trim enhances the beauty and aesthetic value of any room.

- Covered in durable, rich Oxblood faux leather with brass nail-head trim
- Mahogany finish legs
- Thick-cushioning for comfort and support
- 29"H x 79"W x 31-1/2"D
- Light assembly required to attach legs- products are shipped otherwise assembled
- Delivery includes driver carrying item inside, up one flight of stairs, and placing at location of customer's choosing
- 15-year limited warranty

Item 665016 Model TSX4603-4	Office Star® Traditional Oxblood Faux Leather Sofa	Expected Delivery 10-14 Business Days	\$849.99 Sofa New At Staples	Qty. 1 Add to Favorites
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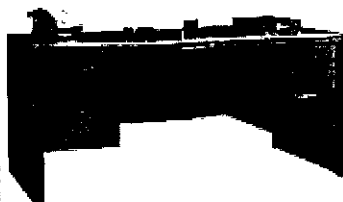


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391-28

Back to: Desks / Executive Desks



Sauder Westwood Executive Desk

The Sauder Westwood desk is finished in a classic cherry finish for an elegant appearance that is nicely complemented by the detailed moldings.

Desk ships in 2 boxes - both are required to complete desk. Please be sure to order both boxes. Total cost of desk is \$249.98.

- Durable melamine worksurface resists heat, stains and scratches
- Includes 2 box and 2 file drawers. File drawers accept letter & legal files
- 30 1/8"H x 65 1/2"D x 31 1/8"D

	sort by Name	sort by Delivery	sort by Price	
 Item 461466	Sauder Westwood, Executive Desk • Durable melamine worksurface resists heat, stains and scratches • Includes 2 box and 2 file drawers. File drawers accept letter & legal files • 30 1/8"H x 65 1/2"D x 31 1/8"D	Expected Delivery 1 to 7 days	\$249.98 Desk	Qty.
	 Zoom View			Add to Favorites
	sort by Name	sort by Delivery	sort by Price	

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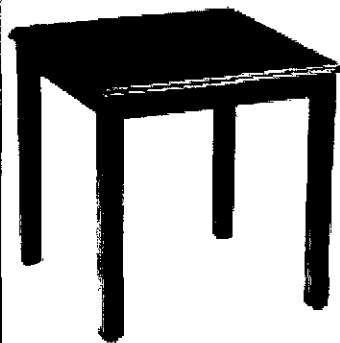


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Office Star Mahogany Finish Reception Tables

All your needs for a comfortable, fashionable visitor's lounge.

- Solid wood construction with Mahogany finish
- Ready to assemble
- Mfr. limited lifetime warranty

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 Item 623396 Model G4020M	Office Star Pro-Line II Mahogany Modular Coffee Table • Solid wood construction with mahogany finish • 16"H x 40-1/4"W x 20-1/4"D • Ready to assemble	Expected Delivery 7 - 14 Business Days	\$179.99 Coffee Table	Qty. Add to Favorites
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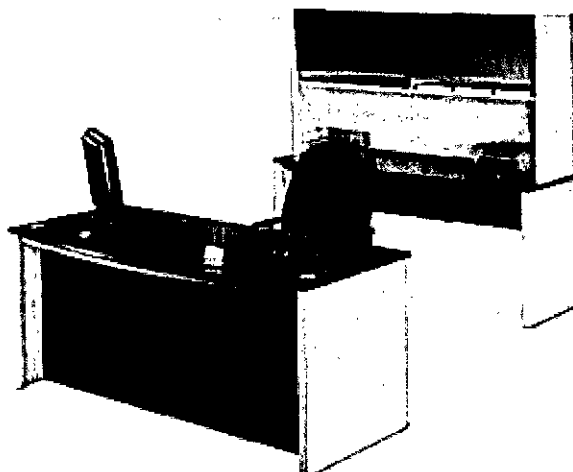
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Bestar 53400pkg Connexion Office Set 1 Description**Features:**

- Finish Is Slate & Sandstone
- Includes a 72" Desk, Credenza, Hutch for Credenza, Keyboard Shelf and Mobile CPU Platform
- Durable 1" (25.4mm) commercial grade work surface with melamine finish that resists scratches, stains and burns
- Deluxe 2.5mm PVC edges
- Features grommets for wire management
- Two large flip up doors
- Two convenient paper shelves under the flip up doors
- Rubber strip for wire management
- Keyboard Shelf with integrated pencil tray is deep enough to accommodate most laptops
- Desk dimensions are 71" W x 29.75" H x 29" D

Includes #T53400, #T53510, #T53610, #T53830.

Dimensions: 71 W x 29.75 H x 29 D**Weight:** 337 lbs**Shipping:** Free Shipping

391-31



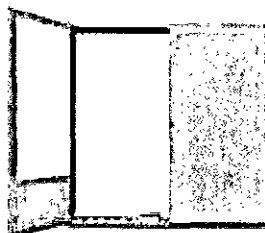
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Traditional Oak Conference Cabinets



Whiteboards

- ☐ Marker Boards
- ☐ Teaching Walls
- ☐ Graphic Boards
- ☐ Combination Units
- ☐ Freestanding
- ☐ Conference Cabinets
- ☐ Student Lapboards

Convenient brass hangers for using flip charts sheet pads. Pens, markers and erasers easily held in place by ribbed ledge. Natural Cork Bulletin Boards on interior of both doors. Solid oak cabinet frame. **Note: Width doubles when opened, depth remains the same (48" wide = 96" open, 72" wide = 144" open).**

- Projection screen also available, call or e-mail for details.

Trophy Cases

- ☐ Recessed
- ☐ Wall Mount

Bulletinboards

- ☐ Map & Display Rails
- ☐ Bulletinboards
- ☐ Teaching Walls
- ☐ Covered/Wrapped
- ☐ Enclosed
- ☐ Pedestals

Directory Boards

- ☐ Wall Mounted
- ☐ Pedestals
- ☐ Accessories

Easels

- ☐ Easels
- ☐ Presentation Easels

Accessories

- ☐ Markers/Cleaner
- ☐ Dir. Board Letters

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Wood Frame Description				
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0	48" x 48"	Choose	\$399	

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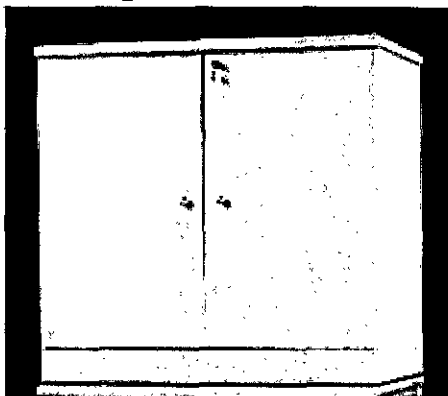
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Qty: 1

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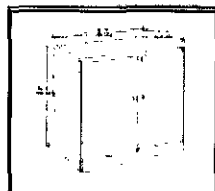
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Lateral File & Storage Cabinet
 \$264.50

Qty: 1



Lateral File
 \$165.00

Qty: 1


[View All Items in Intelligent Designs's Living Dimensions Collection](#)

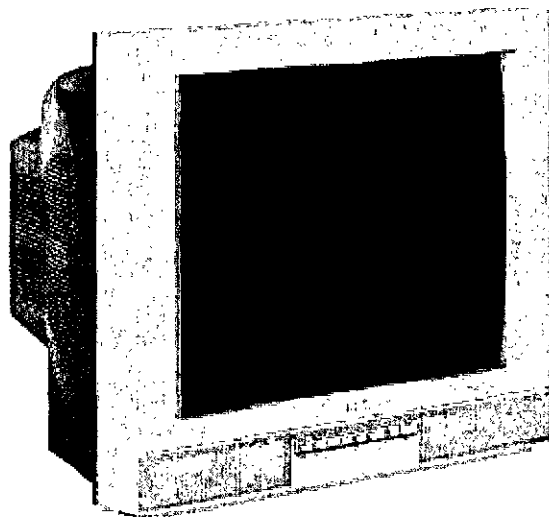
Product Description

finish: Hardrock M Blackstone
 dimensions: 29 1/8"W x 1/4"D
 weight: 88 lbs.
 warranty: 10 Year

Twin locking doors with corner hinges. Two interior height shelves. Fits perfectly atop Lateral File Cabinet, or on

This furniture item requires complete assembly instructions provided with the unit. Typical Phillips head screwdriver will be required for assembly. Additionally, the manufacturer's toll free phone support should be used for assistance during assembly. Call the toll free number to call for this listed in the instruction booklet.

391-33

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 that has picture and audio quality plus the
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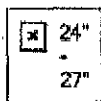
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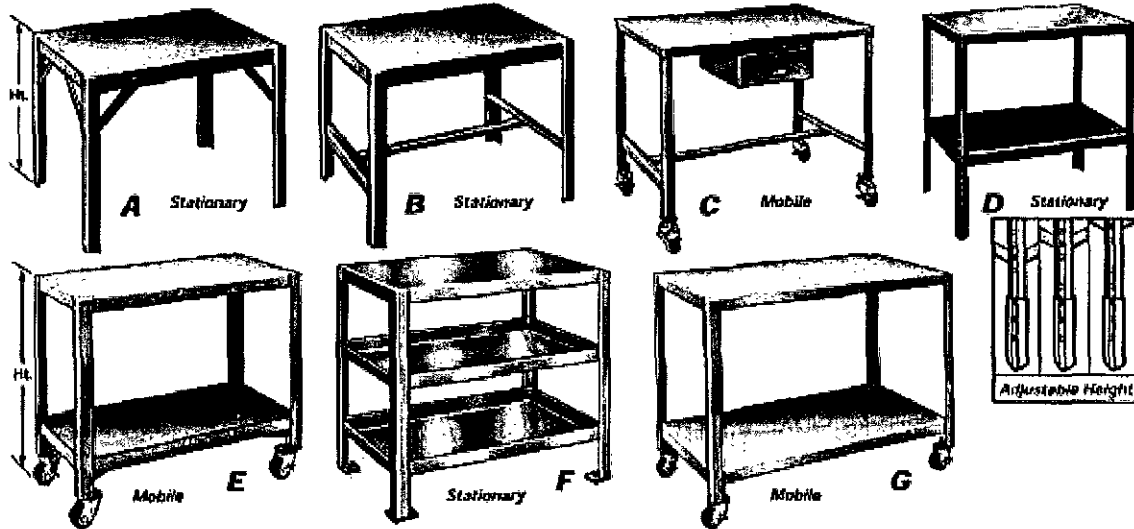
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391-34

Machine Tables

Steel Machine Tables



(A) Light Duty—Assemble these tables with a flat top (as shown) or with a 2" high lip around the edges by turning the top over. The tops are made of 16-gauge steel. Legs are 1½" x 1½" x ¼" thick angle iron with 1" x ½" thick corner braces. Color is green. Shipped unassembled. **No Order** Please specify height from those listed.

Mobile models have swivel casters with brakes and 2" dia. hard rubber wheels.

(B-F) Medium Duty—These tables are built to take on heavier loads. All have a welded construction with 12-gauge steel top (unless noted). Color is gray. **No Order** Please specify height (where applicable) from those listed.

Style B have 1½" x 1½" x ¼" thick angle iron legs (unless noted). Shipped assembled.

Mobile models have swivel casters with brakes and 3" dia. hard rubber wheels.

Style C include a 13" Wd. x 15" Dp. x 5" Ht. drawer with a capacity of 40 lbs. Legs are 1½" x 1½" x ¼" thick angle iron (unless noted). Shipped assembled.

Mobile models have swivel casters with brakes and 3" dia. hard rubber wheels.

Style D allow you to manually adjust height in 2" increments within range listed. Made entirely of 16-gauge steel with 1½" x 1½" x ¼" legs. These tables do not have a welded construction. Lower shelf adjusts in 4" increments. Shipped unassembled.

Mobile models have swivel casters with brakes and 3" dia. polypropylene wheels.

Styles E and F come furnished with one (Style E) or two (Style F) 12-gauge steel lower shelves. Legs are 1½" x 1½" x ¼" thick angle iron. Shipped assembled.

Stationary models have ¾" dia. holes in the feet for mounting to the floor. Mobile models have swivel casters with brakes and 3" dia. polyolefin wheels.

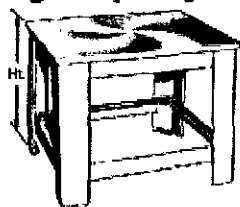
(G) Heavy Duty—Our highest capacity machine tables include a high capacity lower shelf. Top and lower shelf are 12-gauge steel. Legs are 2" x 2" x ¼" thick angle iron. Color is gray. Shipped assembled.

Stationary models have ¾" dia. holes in the feet for mounting to the floor. Mobile models have swivel casters with brakes and 3" dia. polyolefin wheels.

Wd. x Dp.	Available Heights	Stationary		Mobile	
		O'all Cap., lbs.	Each	O'all Cap., lbs.	Each
(A) Light Duty					
24" x 18"	18", 24", 30", 36"	800	4791T61 \$107.85	800	4791T81 \$184.80
26" x 22"	18", 24", 30", 36"	800	4791T62 113.04	800	4791T82 197.12
30" x 24"	18", 24", 30", 36"	800	4791T63 118.11	900	4791T83 204.96
36" x 24"	18", 24", 30", 36"	800	4791T64 123.20	800	4791T84 210.56
(B) Medium Duty					
24" x 18"	18", 24", 30", 36", 42"	1500	4671T31 97.47	500	4671T61 160.93
36" x 24"	18", 24", 30", 36", 42"	1500	4671T32 121.76	500	4671T62 193.04
48" x 24"	18", 24", 30", 36", 42"	1500	4671T33* 159.10	500	4671T63* 226.38
(C) Medium Duty with Drawer					
24" x 18"	18", 24", 30", 36", 42"	1500	4671T71 212.27	500	4671T81 266.93
36" x 24"	18", 24", 30", 36", 42"	1500	4671T72 242.59	500	4671T82 296.82
48" x 24"	18", 24", 30", 36", 42"	1500	4671T73* 273.98	500	4671T83* 328.24
(D) Medium Duty Adjustable Height with Lower Shelf—Top and lower shelf capacities are 750 lbs.					
24" x 18"	18"-24", 30"-36"	1500	4605T1 58.33	1000	4605T31 108.39
30" x 24"	18"-24", 30"-36"	1500	4605T2 72.62	1000	4605T32 129.71
36" x 24"	18"-24", 30"-36"	1500	4605T3 79.65	1000	4605T33 144.83
48" x 24"	18"-24", 30"-36"	1500	4605T4 91.19	1000	4605T34 164.78
(E) Medium Duty with Lower Shelf—Top and lower shelf capacities are 1000 lbs.					
36" x 18"	32"	2000	5167T51 121.92	2000	5167T21 213.38
36" x 24"	32"	2000	5167T53 140.00	2000	5167T23 224.87
48" x 24"	32"	2000	5167T55 173.19	2000	5167T25 256.47
60" x 24"	32"	2000	5167T57 208.60	2000	5167T27 294.70
(F) Medium Duty with Two Lower Shelves—Top and lower shelf capacities are 650 lbs.					
36" x 18"	32"	2000	5167T52 180.77	2000	5167T22 263.70
36" x 24"	32"	2000	5167T54 200.91	2000	5167T24 282.87
(G) Heavy Duty with Lower Shelf—Top and lower shelf capacities are 1500 lbs. for stationary models; 1300 lbs. for mobile models.					
48" x 24"	36"	3000	5167T61 199.47	2600	5167T41 281.49
48" x 28"	36"	3000	5167T64 208.66	2600	5167T44 292.87
48" x 34"	36"	3000	5167T67 244.28	2600	5167T47 324.17
72" x 34"	36"	3000	5167T69 371.40	2600	5167T49 419.13
* Has 1/4" x 1 1/2" x 1/8" angle iron legs. ■ Available heights are 22"-28", 34"-40".					

* Has 1½" x 1½" x ¼" angle iron legs. ■ Available heights are 22"-28", 34"-40".

High-Capacity Steel Machine Tables



Able to hold a whopping 35,000 lbs., these tables have the highest capacity of any machine table we offer. All have a welded steel construction with precision-ground top. The legs are 4" x 4" x ¼" thick angle iron with 2" x 3" x ¼" thick cross bracing for added strength. The bottom of each leg has two tapered holes (½"-13 and ¾"-11) and one drilled hole (7/8" dia.) for mounting to the floor mounting fasteners not included. Color is gray. Shipped assembled. **No Order** Please specify height: 24", 30", 32", 34", or 36".

Wd. x Dp.	Top Thick.	Each	Wd. x Dp.	Top Thick.	Each
24" x 24"	¾"	4769T42 \$696.47	48" x 30"	¾"	4769T47 \$1127.06
30" x 24"	¾"	4769T43 775.29	48" x 36"	¾"	4769T48 1252.94
30" x 30"	¾"	4769T45 865.08	48" x 48"	1"	4769T49 1658.02
36" x 24"	¾"	4769T44 855.29	60" x 30"	¾"	4769T83 1221.72
36" x 30"	¾"	4769T46 935.29	72" x 30"	¾"	4769T84 1395.12

Capacities listed are based on an evenly distributed load.

10600 | Partitions

10615 Demountable Partitions		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL PKG. C/P
						MAT.	LABOR	EQUIP.	TOTAL	
5700	For doors, see Div. 08100 & 08200									
5800	For door hardware, see Div. 08700									
6100	In-plant modular office system, w/prehung hollow core door									
6200	3" thick polystyrene core panels									
6250	12' x 12', 2 wall	2 Carp	3.80	4.211	Ea.	2,675	115		2,790	3,150
6300	4 wall		1.90	8.421		3,725	231		3,956	4,475
6350	16' x 16', 2 wall		3.60	4.444		4,175	122		4,297	4,800
6400	4 wall		1.80	8.889		5,375	244		5,619	6,300
9000	Minimum labor/equipment charge	2 Carp	3	5.333	Job		190		190	335

10630 Port. Partitions/Screens/Panels		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL PKG. C/P
						MAT.	LABOR	EQUIP.	TOTAL	
0010	PARTITIONS, PORTABLE Divider panels, free standing, fiber core									
0020	Fabric face straight									
0100	3'-0" long, 4'-0" high	2 Carp	100	.160	L.F.	106	5.70		111.70	126
0200	5'-0" high		90	.178		107	6.30		113.30	128
0500	6'-0" high		75	.213		122	7.60		129.60	147
0900	5'-0" long, 4'-0" high		175	.091		80.50	3.25		83.75	94
1000	5'-0" high		150	.107		98.50	3.79		102.29	115
1500	6'-0" high		125	.128		94.50	4.55		99.05	112
1600	* 6'-0" long, 5'-0" high		162	.099		79	3.51		82.51	93
3100	Curved, 3'-0" long, 5'-0" high		90	.178		83	6.30		89.30	102
3150	6'-0" high		75	.213		95.50	7.60		103.10	118
3200	Economical panels, fabric face, 4'-0" long, 5'-0" high		132	.121		39.50	4.31		43.81	50.50
3250	6'-0" high		112	.143		42.50	5.10		47.60	55
3300	5'-0" long, 5'-0" high		150	.107		34.50	3.79		38.29	44.30
3350	6'-0" high		125	.128		36	4.55		40.55	47
3380	3'-0" curved, 5'-0" high		90	.178		83	6.30		89.30	102
3390	6'-0" high		75	.213		95.50	7.60		103.10	118
3450	Acoustical panels, 60 to 90 NRC, 3'-0" long, 5'-0" high		90	.178		95.50	6.30		101.80	115
3550	6'-0" high		75	.213		91.50	7.60		99.10	114
3600	5'-0" long, 5'-0" high		150	.107		66.50	3.79		70.29	79.50
3650	6'-0" high		125	.128		73.50	4.55		78.05	88.50
3700	6'-0" long, 5'-0" high		162	.099		64.50	3.51		68.01	78.50
3750	6'-0" high		138	.116		64.50	4.12		68.62	78
3800	Economy acoustical panels, 40 NRC, 4'-0" long, 5'-0" high		132	.121		39.50	4.31		43.81	50.50
3850	6'-0" high		112	.143		42	5.10		47.10	54.50
3900	5'-0" long, 5'-0" high		125	.128		36	4.55		40.55	47
3950	6'-0" long, 5'-0" high		162	.099		29.50	3.51		33.01	38.50
4000	Metal chalkboard, 6'-6" high, chalkboard, 1 side		125	.128		90.50	4.55		95.05	107
4100	Metal chalkboard, 2 sides		120	.133		103	4.74		107.74	122
4300	Tackboard, both sides		123	.130		82	4.62		86.62	97.50
9000	Minimum labor/equipment charge		3	5.333	Job		190		190	335

10651 Accordion Folding Partitions		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL PKG. C/P
						MAT.	LABOR	EQUIP.	TOTAL	
0010	PARTITIONS, FOLDING ACCORDION									
0100	Vinyl covered, over 150 S.F., frame not included									
0300	Residential, 1.25 lb. per S.F., 8' maximum height	2 Carp	300	.053	S.F.	17.35	1.90		19.25	22
0400	Commercial, 1.75 lb. per S.F., 8' maximum height		225	.071		19.85	2.53		22.38	26
0600	2 lb. per S.F., 17' maximum height		150	.107		20.50	3.79		24.29	28
0700	Industrial, 4 lb. per S.F., 20' maximum height		75	.213		29.50	7.60		37.10	43
0900	Acoustical, 3 lb. per S.F., 17' maximum height		100	.160		23	5.70		28.70	33
1200	5 lb. per S.F., 20' maximum height		95	.168		32	6		38	45
1300	5.5 lb. per S.F., 17' maximum height		90	.178		37.50	6.30		43.80	51.50
1400	Fire rated, 4.5 psf, 20' maximum height		160	.100		37.50	3.56		41.06	47

10600 |

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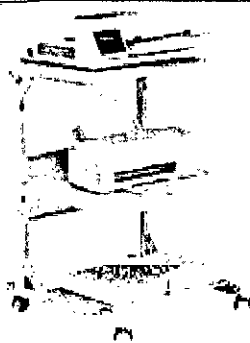
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Pallet racks

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- Ready to assemble

- **More details below**

Item 465564 Model 23701	Balt Dual Printer Stand	Expected Delivery 5-10 Business Days	\$259.99 Each	Qty. 1
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Specifications

Color of Item	Gray
Assembly required	Yes

*See our delivery policy for full details.

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12.

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Manually Operated Cash Drawers

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These drawers have no electronic components. They are opened and close assembly that is released when the face of the drawer is pushed in, and late when closed. The key lock is used to prevent access to the drawer.

These drawers are very popular for use by cabinet manufacturers or for other require the security of a cash drawer but without the need to interface with a system.



M-S Cash Drawer HP-121- Manual Cash Drawer

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HP-121 On Sale » \$89.00

QTY 1

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M-S Cash Drawer HP-122 - Manual Cash Drawer

18.8"(W) x 15.2"(L) x 3.94"(H)

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M-S Cash Drawer HP-123 - Manual Cash Drawer

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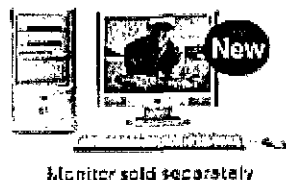
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- **TV and entertainment experience**
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- **Operating system**
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- **TV and entertainment experience**
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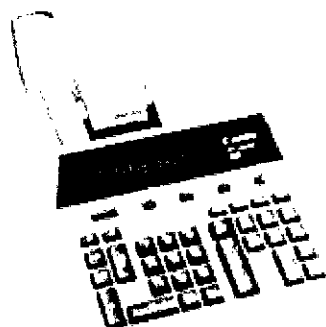
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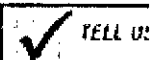
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391-46**[DR-210HT]**
 Technical Specs

 Registration
\$ 49.99**At A Glance**

The DR-210HT prints 3.5 lines per second, has a giant display, 2-color printing and a right shift key.

 Larger View 
**Technical Specs****DR-210HT Technical Specifications****Display**

Digits	12
Type	Digitron
Special	Big Display

Printer

Speed - lines/second	3.5
Print Color	2 Black/Red
Type	Ribbon
Ink Roll	No
Ink Ribbon	RB-02/GB-02

Features

Decimal Selector	0-6
Item Counter	Yes
Independent Memory	Yes
Non-add	Yes
Tax Calculation	Yes
Exchange Calculation	Yes
Automatic Constants	Yes
Independent Add Register	Yes
Grand Total	Yes
MU/MD	Yes
Feed	Yes
Right Shift Key	Yes
Simple Algebraic Logic	No
Round Off	Yes
Round Up	Yes
Cut Off	Yes
ADD Mode	Yes
Profit Margin %	No

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2-1/4 inch plain	Yes
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- 1280 x 1024 resolution

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- Flat-panel LCD
- 17" widescreen display

- Built-in speakers
- 1440 x 900 resolution

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Star Logic Monitor (11004998)

- Flat-panel LCD
- 15" XGA display
- 1024 x 768

- Wide-angle viewing
- Analog input
- On-screen menu

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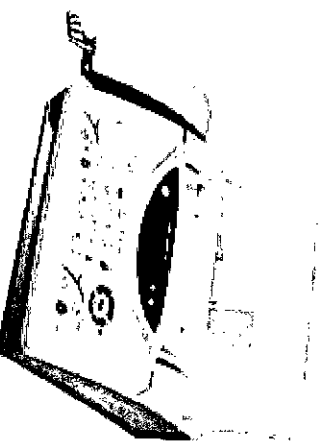
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Price was: \$149.94
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You pay: **\$131.95**

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Print quality	3.0

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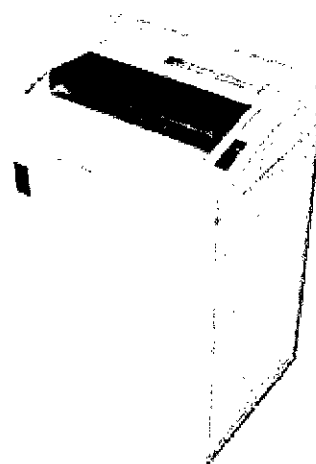
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Sale price: \$1959.00

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	Cisnet Nascar 19" LCD 19" TFT LCD - Max resolution 1280 x 1024 @ 85Hz - Contrast ratio 600:1	Expected Delivery5 - 10 Business Days	\$249.99 Each	☐ select to compare	Qty. 1 Add to Favorites
	Envision EN9410 19" LCD Monitor 19" active TFT matrix screen - Up to 1280 x 1024 maximum resolution - Contrast ratio: 500:1	Expected Delivery1 Business Day	\$249.98 Each	☐ select to compare	Qty. 1 Add to Favorites
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Price: \$149.99

Price after rebates: \$99.99*

(As low as \$20/mo†)

You save: \$50.00 (33.3%)**

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- 1280 x 1024 maximum resolution
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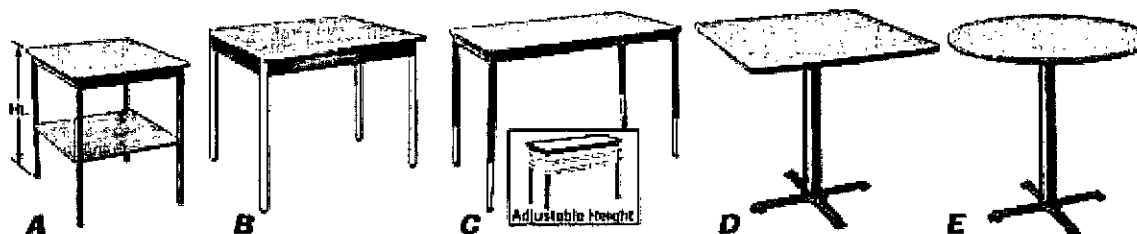
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Tables

Tables



All of these tables have a particleboard top with plastic-laminate surface. Legs come furnished with adjustable leveling glides. Shipped unassembled. **Top Colors:** Please specify table top color: gray, oak, or walnut (unless noted).

(A) Mini Square and Rectangular Tables with Lower Shelf—With their small size and lower shelf, these tables are perfect as accessory tables. Use them to store your equipment and supplies. All tables have a 2 1/4" high, 18-gauge steel support frame with corner-mounted legs that are made of 1" sq., 18-gauge steel.

Tables with a gray or walnut color top have a black frame and legs. Tables with an oak color top have a brown frame and legs.

(B) Standard Rectangular Tables—Have a 3" high, 18-gauge steel support frame with corner-mounted legs that are made of 1 1/4" sq., 18-gauge steel. The legs have a chrome-plated finish.

Tables with a gray color top have a gray frame. Tables with an oak color top have a tan frame. Tables with a walnut color top have a black frame.

(C) Adjustable-Height Rectangular Tables—You can adjust the table height from 24" to 34" in 1" increments. All tables have a 1 1/4" high, 14-gauge steel support frame with corner-mounted legs that are made of 1 1/4" sq., 14-gauge steel.

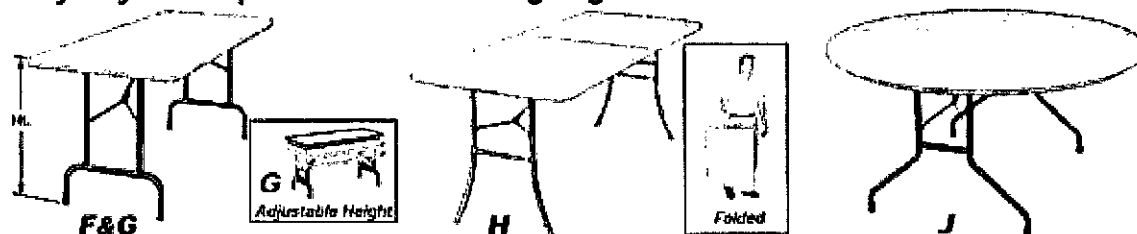
Tables with a gray color top have a navy blue frame and legs. Tables with an oak color top have a black frame and legs.

(D & E) Square and Round Tables with Pedestal Base—No matter where you sit, you'll always have plenty of leg room. All tables have a 2" dia., 16-gauge steel pedestal with a 30" dia. cast iron base. The pedestal and base are black.

Wd. x Dp. x Ht.	Top Thick.	Top Cap., lbs.	Each
(A) Mini Square and Rectangular Tables with Lower Shelf			
24" x 24" x 30"	1/4"	350	5112T21 \$107.18
30" x 18" x 30"	3/8"	350	5112T22 107.18
30" x 30" x 30"	3/8"	350	5112T23 107.18
48" x 18" x 30"	3/8"	350	5112T24 107.18
(B) Standard Rectangular Tables			
40" x 20" x 30"	1 1/4"	400	6124T1 125.45
48" x 30" x 30"	1 1/4"	400	6124T3 136.36
60" x 20" x 30"	1 1/4"	400	6124T2 136.36
60" x 30" x 30"	1 1/4"	400	6124T4 157.14
72" x 36" x 30"	1 1/4"	400	6124T5 192.86
(C) Adjustable-Height Rectangular Tables			
48" x 24" x 24" to 34"	1 1/4"	300	5507T4 220.00
60" x 30" x 24" to 34"	1 1/4"	300	5507T5 254.55
72" x 30" x 24" to 34"	1 1/4"	300	5507T6 287.27
(D) Square Tables with Pedestal Base			
30" x 30" x 29"	1 1/4"	350	9610T11 109.96
36" x 36" x 29"	1 1/4"	350	9610T12 153.27
(E) Round Tables with Pedestal Base			
30" Dia. x 29" Ht.	1 1/4"	350	9610T13 111.42
36" Dia. x 29" Ht.	1 1/4"	350	9610T14 153.18
42" Dia. x 29" Ht.	1 1/4"	350	9610T15 183.73
48" Dia. x 29" Ht.	1 1/4"	350	9610T16 192.45

♦ Walnut top is not available. * Base is 22" in dia.

Polyethylene-Top Tables with Folding Legs



You'll find these polyethylene-top tables are not only stain resistant, but also lightweight and easy to clean. Their legs fold up and out of the way, making them easy to transport and store. Furnished with nonmarrying plastic foot caps. The top is white; frame and legs are black (unless noted). Shipped assembled.

(F & G) Rectangular Tables—All of these tables are waterproof as well as impact and chemical resistant. Legs are 1" dia., 18-gauge steel. Five braces along the bottom of the table top add support.

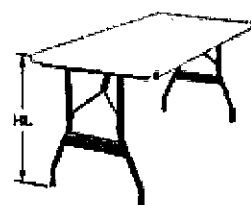
Adjustable-height models (G) adjust from 22" to 32" high in 1" increments.

(H) Center-Folding Rectangular Table—This table folds in half and has a built-in carrying handle for easy portability. It's also water resistant. Legs are 1" dia., 20-gauge steel. Legs and frame are gray.

(J) Round Table—This table is waterproof as well as impact and chemical resistant. The legs are 1 1/4" dia., 14-gauge steel. Four braces along the bottom of the table top add support.

Wd. x Dp. x Ht.	Top Thick.	Top Cap., lbs.	Each
(F) Rectangular Tables			
48" x 24" x 29"	2 1/2"	250	6167T21 \$73.20
72" x 18" x 29"	2 1/2"	250	6167T22 85.64
72" x 30" x 29"	2 1/2"	250	6167T51 95.31
96" x 30" x 29"	2 1/2"	250	6167T52 131.93
(G) Adjustable-Height Rectangular Tables			
48" x 24" x 22" to 32"	2 1/2"	250	5576T21 95.31
72" x 30" x 22" to 32"	2 1/2"	250	5576T22 117.42
96" x 30" x 22" to 32"	2 1/2"	250	5576T23 154.04
(H) Center-Folding Rectangular Table			
72" x 30" x 29"	1 3/8"	600	6167T7 96.84
(J) Round Table			
60" Dia. x 29" Ht.	2 1/2"	250	5569T51 183.06

Aluminum Tables with Folding Legs



Made entirely of extruded aluminum, these rust- and corrosion-resistant tables are lighter than our other tables. They will not crack or warp after extended exposure to moisture, heat, and sunlight. Their legs fold up and out of the way making them easy to transport and store.

Table top is anodized aluminum. Made of 1 1/4" dia., 16-gauge aluminum, the legs are dark gray and come furnished with nonmarrying plastic glides. Shipped assembled.

Wd. x Dp. x Ht.	Top Thick.	Top Cap., lbs.	Each
60" x 18" x 29"	1 1/2"	1800	5234T11 \$215.63
60" x 30" x 29"	1 1/2"	1800	5234T12 257.03
72" x 18" x 29"	1 1/2"	1800	5234T14 230.47
72" x 30" x 29"	1 1/2"	1800	5234T15 281.25
96" x 18" x 29"	1 1/2"	1800	5234T17 271.09
96" x 30" x 29"	1 1/2"	1800	5234T18 338.28

Capacities listed are based on an evenly distributed load.

ADVANCE ENGINEERING CORP.

58 INDUSTRIAL RD. ADDISON, IL 60101
PHONE: (630) 628-3445 FAX: (630) 628-3449
INFO@ADVENGCORP.NET WWW.ADVENGCORP.NET

392

Hudson trailer - 1989

2,950⁰⁰

treacher
trailer

1989

\$2640⁰⁰

Gorman

3/10/94

3,100⁰⁰



CONCEPTS FOR THE FUTURE, TODAY

392

OHIO CERTIFICATE OF TITLE

COUNTY OF BUTLER

STATE OF OHIO No. 0900169962

IDENTIFICATION NUMBER
1GDDJP32M6C3504729

ORIGINAL

BODY TYPE

TK

MODEL

TP3

YEAR

1982

ODOMETER

77,175

MAKE

GMC

ODOMETER STATUS

ACTUAL

COMMENTS

31239123

OWNER
OXFORD NATURAL GAS CO
5131 COLLEGE CORNER PK
OXFORD, OH 45056

PRICE
3,100.00

TAX
EX PG

DATE ISSUED
03/10/94

EVIDENCE
OH 31239123

7153

LICENSE EXPIRES

TRANSFER ISSUE

TRUCK GVM

REGISTRAR OF MOTOR VEHICLES

PREVIOUS OWNER
MILLS USED CARS INC 0001411
6150 HARRISON AVE, CINCINNATI, OH
FIRST LIESENHOLDEN DATE OF LIESEN

SECOND LIESENHOLDEN DATE OF LIESEN

LIEN DISCHARGE

Lienholder

LIEN DISCHARGE

Lienholder

by:

Authorized signature

date

CLERK OF COURTS LIEN CANCELLATION

by:

Deputy Clerk

date

by:

Authorized signature

date

CLERK OF COURTS LIEN CANCELLATION

by:

Deputy Clerk

date

WITNESSED MY HAND AND OFFICIAL SEAL THIS 10TH DAY OF MARCH, 1994

7006698765

(SEAL)



* 2 0 0 6 6 9 8 7 6 5 *

9 9 9 8 8 7 6 5

F. Mark Baden

F. MARK BADEN

CLERK OF COURTS

2M01

DO NOT ACCEPT TITLE SHOWING ANY ERASURES, ALTERATIONS OR MUTILATIONS.

100 200 300 400 500 600 700 800 900

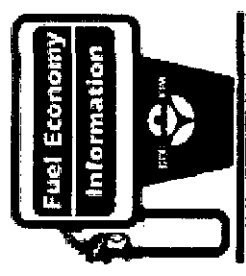
Conway

* Below are included at NO EXTRA CHARGE in the Standard Vehicle Price Shown at Right

- STANDARD FEATURES:**
- BASE COAT/CLEAR COAT PAINT
 - GRAVEL ANTI-CHIP PROTECTION
 - TWO SIDED ZINC COATED GALVANIZED STEEL SHEET METAL
 - DELCO FREEDOM HD BATTERY
 - 34 GALLON FUEL TANK
 - CHROME FRONT BUMPER
 - BLACK LH & RH OUTSIDE MIRRORS
 - SIDE WINDOW DEFOGGER
 - 8 WIRE TRAILERING HARNESS
 - FOLDING SEAT BACKREST
 - FULL CLOTH HEADLINER
 - 100K MILE TUNEUP MAINTENANCE
 - LONG LIFE RADIATOR FLUID
 - OTHER ADDED FEATURES:
 - RECOVERY HOOKS
 - 3 YEAR/36,000 MILE LIMITED BUMPER-TO-BUMPER WARRANTY
- OPTIONAL EQUIPMENT:**
- STA-TRAC 4X4 TRANSFER CASE
 - SPEED SENSITIVE PWR STEERING
 - FRONT STABILIZER BAR
 - INDEPENDENT FRONT SUSPENSION
 - 2 STAGE MULTI-LEAF RR SPRINGS
 - 100 AMP ALTERNATOR
 - STEEL BELTED RADIAL PLY TIRES
 - SAFETY FEATURES:
 - FOUR WHEEL ANTI-LOCK BRAKES
 - DAYTIME RUNNING LAMPS
 - STEEL SIDE DOOR BEAMS
 - PASSLOCK THEFT DETERRANT
 - CONVENIENCE FEATURES:
 - AM/FM STEREO/SC&S AND CLOCK
 - INTERMITTENT WIPERS
 - LIGHT TINT SOLAR GLASS
 - HALOGEN HEADLAMPS

Compare this vehicle to others in the FREE FUEL ECONOMY GUIDE available at the dealer.

CITY MPG



HIGHWAY MPG

Actual mileage will vary with options, driving conditions, driving habits and vehicle condition. Results reported to EPA indicate that the majority of vehicles with these estimates will achieve between

and mpg in the city and between and mpg on the highway.

* NOT APPLICABLE

ZZ

Options Installed by Manufacturer

- MARKETING OPTION PACKAGE - 15N
REQUIRES A MINIMUM PURCHASE OF:
• CHASSIS CAB
• AIR CONDITIONING-FRONT
• TILT WHEEL AND SPEED CONTROL
• RADIO ETR AM/FM STEREO
CASSETTE W/SC&S AND CLOCK
- 4 SPEED AUTO TRANS W/OVERDRIVE
AND ELECTRONIC CONTROL
118.00
• SNOW PLOW PREP PACKAGE
22.78
• LT245/75R16E OOR BW TIRES-REAR
22.78
• LT245/75R16E OOR BW TIRES-FRT
NO CHARGE
• FRONT BENCH SEAT
NO CHARGE
• GVW RATING - 9,200 LBS
NO CHARGE
• FEDERAL/NORTHEAST EMISSIONS
NO CHARGE
• REAR AXLE - 4.10 RATIO
NO CHARGE
• H.D. TRANSMISSION OIL COOLER
NO CHARGE
• FRONT LICENSE PLATE MOUNT
NO CHARGE

TOTAL OPTIONS

2,595.56

33

392

TOTAL VEHICLE & OPTIONS	\$24,765.00
DESTINATION CHARGE	565.00
TOTAL BEFORE SAVINGS	\$25,430.00
MKTG OPTION PKG DISCOUNT	-500.00
TOTAL VEHICLE PRICE*	\$24,930.00

DEALER TO WHOM DELIVERED: **FEDER MOTOR, INC.**
PO BOX 1537
HAMILTON, OH 45015

ORDER NO: **B04002**
MODEL NO: **7C20003**
SALES CODE: **E**
DEALER NO: **24-118**
SHIP TO DEALER NO: **34-103**

VIN: **1GDHK34R7YF446416**

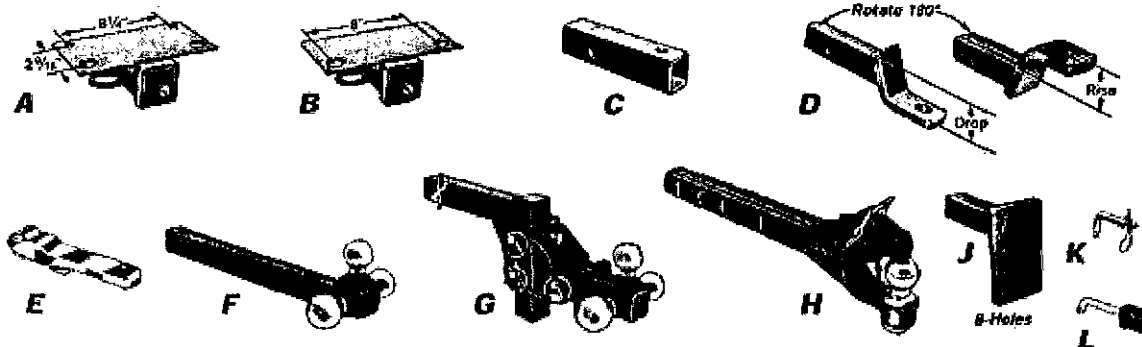
FINAL ASSEMBLY PLANT: **14**

This truck has been sold pursuant to Federal law - 49 USC 32902, which requires that the vehicle be delivered to the primary purchaser. The purchaser is responsible for the delivery of the vehicle. The purchaser is responsible for the delivery of the vehicle. The purchaser is responsible for the delivery of the vehicle.

FF
90A070190

Trailer Couplers

2" Square Receivers and Hitch Inserts



Create a hitch that's right for your load. Start with a 2" square receiver (Style A or B), then choose an insert (Styles C-A and hitch ball if not included). (Note: Style H inserts can be used with a drawbar eye or a hitch ball.) Our receivers are compatible with all of the inserts shown below. Simply insert the end of the insert into the square end of the receiver, install a hitch pin into the ball mount hole on the insert, and use a hitch pin (Styles K & L) to secure the insert in the receiver. Hitch inserts accept a 5/8" dia. hitch pin (sold separately, except Style G, which includes a hitch pin).

Note: For off-road use, reduce stated capacities by 25%.

Styles A & B Receivers—Plate-mount steel receivers. Include mounting hardware. Black powder-coated finish.

Styles C & D Ball-Mount Hitch Inserts—All have a black powder-coated finish. Straight insert accepts hitch balls with 1/2" dia. stud that is 1 1/2" long. Drop/rise inserts let you reverse their position in the receiver so you can achieve a drop or rise height appropriate for your trailer. When reversed, 2507T21 can drop 2" or rise 1/4"; T22 can drop 4" or rise 2 1/4"; T43 can drop 6" or rise 4 1/4"; T23 can drop 8" or rise 6 1/4". Accepts balls with 1" dia. stud.

Style E Ball-Mount Hitch Insert—This angle-flex insert has polyurethane pads on the top and bottom so it can flex vertically within the

receiver—ideal for steep ramps and rough terrain where there may be greater angles between the towing vehicle and trailer. Insert gives you approximately twice the angle flexibility of a regular ball-mount insert. Accepts balls with 3/4" dia. stud. Chrome-plated steel.

Styles F & G Triple-Ball Hitch Inserts—The benefits of three hitch sizes in one. Both include the three most common ball coupler sizes—1 1/4", 2", and 2 3/4" dia. The 1 1/4" dia. hitch ball has a trailer capacity of 6,000 lbs.; the 2" and 2 3/4" balls have a trailer capacity of 10,000 lbs. Balls are chrome-plated steel; shank is solid steel with black powder-coated finish. Adjustable fit. Hitch has 12" of vertical adjustments in 1 1/4" increments. Rotate insert 180° in receiver to gain full adjustment range.

Style H Combination Ball/Eye Hitch Insert—Mate it with ball-hitch couplers and drawbar eyes. It has a tilt-head style latch and chrome-plated steel ball. Overall size is 15 1/2" Lg. x 3" Wd. x 6 1/4" Ht. It accepts a drawbar eye with an eye ID of 2"-3" and a max. eye ring thickness of 1 1/4". Black powder-coated finish.

Style J Adapter Plate Hitch Inserts—Have solid shanks and are made of cast steel with black finish. Trailer coupler may be bolted to plate. Choose blank plate to drill your own holes. For units with bolt holes, bolt hole spacing is 3 3/4" Wd. x 1 1/4" Ht. center-to-center.

Style	Trailer Cap., lbs.▲	Vertical Cap., lbs.*	No. of Holes	Mounting Plate			Overall Lg.	Each
				Hole Dia.	Lg. x Wd. x Thick.			
Receivers								
A. Plate Mount	3,500	350	4	(2) 1/2"; (2) 3/8"	10 1/2" x 5" x 1/4"		2507T13	\$56.13
B. Plate Mount	5,000	500	2	1/2"	10" x 4" x 1/4"		2507T15	62.40
Hitch Inserts								
C. Ball Mount—Straight	Not Rated▲	Not Rated▲				8"	2507T24	13.29
D. Ball Mount—Drop/Rise	6,000	600				11 1/4"	2507T21	19.96
D. Ball Mount—Drop/Rise	6,000	600				12"	2507T22	22.87
D. Ball Mount—Drop/Rise	5,000	500				12 3/4"	2507T43	26.60
D. Ball Mount—Drop/Rise	5,000	500				14 1/2"	2507T23	28.36
E. Ball Mount—Angle Flex	3,500	350				10"	2507T44	41.18
F. Triple Ball—Standard						12"	7765T34	56.43
G. Triple Ball—Adjustable Ht.						19 1/4"	7765T35	154.72
H. Combination Ball/Eye	1,000■	700■				15 1/4"	2507T41	79.49
J. Adapter Plate Blank	16,000				5" x 4" x 7/16"	7"	2507T45	39.22
J. Adapter Plate	16,000		4	1/2"	5" x 4" x 7/16"	7"	2507T31	43.14
J. Adapter Plate	16,000		8	1/2"	7 1/4" x 5" x 7/16"	8 1/4"	2507T32	62.75
Hitch Pins —For up to 7,500 lb. trailer capacity.								
K. Hitch Pin (5/8" Dia. x 5 1/4" Lg.)							2507T51	6.34
L. Lockable Hitch Pin w/Two Keys (5/8" Dia. x 5 1/4" Lg.)							6665A52	16.16

▲ Weight of the trailer plus load. * Weight of the load at the drawbar eye or hitch ball.

■ Capacities depend on the load capacity of the hitch ball you select.

■ Capacities shown are for hitch ball coupling. Trailer capacity of coupling to a drawbar eye is 12,000 lbs., vertical capacity is 2,400 lbs.

Hitch Balls



Solid one-piece ball construction gives these balls exceptional strength. You can install balls into the hitch inserts shown on this page. Meet Society of Automotive Engineers (SAE) and Vehicle Equipment Safety Commission (VESC) standards. Include nut and washer.

Load Cap., lbs.	Ball Dia.	Stud Size	Stud Lg.		Each	Load Cap., lbs.	Ball Dia.	Stud Size	Stud Lg.		Each
Zinc-Plated Steel						Type 303 Stainless Steel					
2,000	1 1/4"	3/4"-10	1 1/2"	8785T41	\$7.68	2,000	1 1/4"	3/4"-10	1 1/4"	8785T94	\$27.78
2,000	1 1/4"	3/4"-10	2 1/4"	8785T4	8.13	2,000	1 1/4"	1"-14	1 1/4"	8785T95	33.85
2,000	1 1/4"	1"-14	2 1/4"	8785T32	9.75	5,000	2"	3/4"-16	1 1/4"	8785T81	29.08
3,500	2"	3/4"-10	1 1/2"	8785T42	8.23	8,200	2"	1"-14	1 1/4"	8785T82	36.05
3,500	2"	3/4"-10	2 1/4"	8785T21	8.23	8,200	2 3/4"	1"-14	1 1/4"	8785T98	45.56
5,000	2"	1"-14	2 1/4"	8785T5	9.45	10,000	2 3/4"	1 1/4"-12	2 1/4"	8785T99	56.75
6,000	2 3/4"	1"-14	2 1/4"	8785T22	13.00						
10,000	2 3/4"	1 1/4"-12	2 1/4"	8785T6	15.35						

Warning! Never exceed capacities.

09/24/2006 22:10

5135243489

OXFORD NATURAL GAS

PAGE 04



17110 207 & Maplewood Dr.
 P.O. Box 1500
 Cambridge, OH 43001
 614-876-3045 Fax 614-876-3047

1340 25th Drive
 Louisville, KY 40224-4677
 502-451-2410 Fax 502-451-1128

3600 Lorton Rd.
 Louisville, KY 40228
 502-451-2410 Fax 502-451-1128

4000 1st St.
 Louisville, KY 40202
 502-451-2410 Fax 502-451-1128

4000 1st St.
 Louisville, KY 40202
 502-451-2410 Fax 502-451-1128

4000 1st St.
 Louisville, KY 40202
 502-451-2410 Fax 502-451-1128

1-800-589-2281

ORDER ☐QUOTE ☒

- Oxford Natural Gas

513-874-8945

P.O. Box 880

Oxford, Ohio 45056

ATTN: Dayle

S
H
I
P
T
O

DATE	CUSTOMER'S ORDER NO.	DATE RECEIVED	SALESMAN	P.O. NO.	REMARKS
7/18/06			Jim Kent		

 THIS IS PAST
 DATE RECEIVED OF 7/18/06

DESCRIPTION

PRICE

AMOUNT

1- NEW - Crankhite 2600 EWA Trailer

\$4,950.00

- 12,300 GVW

- 10,000 payload

- 50" Deck width

- 16' Deck Length

- 2 AR Deck Surface

- 2 5/16" ball hitch or pintle eye

Warranty: 1 Year P+L Factory Warranty

Terms:

All Prices Plus Tax: If Applicable

Customer Order Acceptance:

Date

BEI Acceptance:

Date

Price Guaranteed for 90 Days

Freight:

Tax:

Total:

Dump truck

GMAC LEASE AGREEMENT

LESSEE (and CO-LESSEE) including Address, County, and Zip Code

OXFORD NATURAL GAS CO.

5181 COLLEGE CORNER PIKE
OXFORD OH 45056

LESSOR: (Dealer Name and Address)

MCCLUSKEY CHEVROLET INC

8525 READING RD.

CINCINNATI, OH

45215

This is an agreement to lease the vehicle described below. This is a lease only. This is not a purchase agreement. You do not own the vehicle.

"You" and "Your" refer to Lessee and any Co-Lessee. "We," "Us," and "Our" refer to Lessor named above and anyone to whom this Lease is assigned. "Assignee" refers to anyone to whom this Lease is assigned from time to time. "Lease" refers to this Lease Agreement.

By signing this Lease, you agree to all terms and conditions on the front and back of this Lease. Be sure to read the entire Lease before you sign.

ASSIGNMENT: ☐ If this box is checked, General Motors Acceptance Corporation ("GMAC") helped to arrange this Lease and Lessor will assign it to Central Originating Leasing Trust. ☐ If this box is checked, GMAC helped to arrange this Lease and Lessor will assign it to _____.

If neither box is checked, Lessor will assign this Lease to GMAC.

The Assignee may designate Vehicle Asset Universal Leasing Trust ("VAULT"), or the trustee for VAULT, as agent to hold title for the benefit of the Assignee on the vehicle's certificate of title and/or registration. Item 34 of this Lease has more information on Lessor's assignment of this Lease.

NEW OR USED	New or Used	Year	Make & Model	Body Type	Vehicle Identification Number	Primary Use	Mileage on Odometer
	MISC	96	CHEVROLET KODIAK	KODI	1GBJ7HIP2TJ102526	☐ Personal, Family or Household ☒ Business or Agricultural	141
Including: ☐ Automatic Trans. ☐ Air Cond. ☐ Stereo Tape ☐ Cruise Control ☐ Power Windows ☐ Power Seats ☐ Sunroof							
Other Equipment:							
Describe Optional Service Contract or Extended Warranty:							
Mileage limit: _____ Term: _____ If you do not pay the price of any service contract or extended warranty at Lease signing, the price will be subject to Lease Charges.							

1 (a). **CAPITALIZED COST** \$ 32302.00
 minus Capitalized Cost Reduction \$
 equals Net Capitalized Cost \$ 32302.00
 minus Residual \$ 20286.30
 equals Amount to Be Amortized \$ 12015.70
 plus Lease Charges \$ 10406.54
 equals Total of Base Monthly Payments \$ 22422.24

(b). **BASE MILEAGE ALLOWANCE** 25,000 miles per year
 (See items 12 and 20 for more information.)

2. PAYMENT DUE AT LEASE SIGNING

\$ 1022.13

3. NUMBER OF MONTHLY PAYMENTS

48

These amounts make up the Payment Due at Lease Signing:

(a) Capitalized Cost Reduction N/A \$
 Cash \$
 Net Trade-In Allowance \$
 Other (describe) N/A \$
 (b) First Monthly Payment in Advance \$ 467.13
 (c) Refundable Security Deposit \$ 475.00
 (d) Title Fee \$ 80.00
 (e) Registration Fee \$ N/A
 (f) License Fee \$ N/A
 (g) Sales Tax \$ N/A
 (h) Excise Tax \$ N/A
 (i) Rental/Use Tax \$ N/A
 (j) Other (describe) CAP RED TAX \$ N/A
 (k) Other (describe) LUXURY TAX \$ N/A

4. MONTHLY PAYMENT

\$ 467.13

5. TOTAL OF MONTHLY PAYMENTS

\$ 22422.24

These amounts make up the Monthly Payment:

(a) Base Monthly Payment \$ 467.13
 (b) Rental/Use Tax \$
 (c) Personal Property Tax \$

9. TOTAL OF OTHER CHARGES PAYABLE TO LESSOR

\$ N/A

Itemize: N/A

10. PRICE IF YOU PURCHASE at scheduled Lease end:

\$ 420,786.30, plus any related official fees and taxes.

11. LATE CHARGE

If you do not pay a Monthly Payment in full within 10 days after it is due, you will pay a late charge of 5% of the part of the payment that is late. The charge will not exceed \$3 if this Lease is primarily for personal, family, or household purposes.

12. EXCESS MILEAGE CHARGE

(a) Beginning Mileage on Odometer 141 miles
 (b) Base Mileage Allowance 100,000 miles
 (The Base Mileage Allowance is in addition to the beginning mileage on the odometer.)
 (c) Total Allowed Mileage on Odometer ((a)+(b)) 100,144 miles
 (d) There is an excess mileage charge of 10¢ per mile for each mile on the odometer above the Total Allowed Mileage on Odometer.

See Item 20 of this Lease for more information on excess mileage.

13. CHARGE FOR FINES

Each time we pay a fine imposed on the vehicle during this Lease, you will pay us a charge of \$20 plus the amount of the fine. (See Item 21.)

14. INSURANCE

A. REQUIRED VEHICLE INSURANCE. You must buy and maintain Public Liability Insurance and Physical Damage Insurance. The policies must be acceptable to us. The policies must not exclude or restrict coverage when you are the driver. The policies must not exclude or restrict coverage when the driver is someone you will allow to drive the vehicle or someone who is likely to drive the vehicle. We require no other types of insurance.

The Public Liability Insurance must (a) cover up to \$50,000 for property damage, \$100,000 for bodily injuries to any one person, and \$300,000 for bodily injuries for any one accident, or (b) have a combined single limit of \$300,000 for bodily injuries and property damage for any one accident. The policy must show the name of the initial Assignee and VAULT, as their interests appear, as additional

393-1

STAPLES

that was easy®

Back to: Furniture / Storage & Organizers

Metal Shelving

	sort by Name	sort by Delivery	sort by Price	
	Hirsh Commercial/Industrial Shelving - Units assemble easily with no bolts or screws. - May be assembled vertically or horizontally - Posts and aprons are painted with baked-on enamel	Expected DeliveryVaries by Item	As low as \$39.99 4 Shelves	
	Safco Boltless Commercial Shelving Unit - Assembles in minutes without tools. - Durable black powder-coat finish. - Units may be assembled vertically or horizontally.	Expected Delivery7 - 14 Business Days	As low as \$139.99 Each	
	Safco Commercial Shelving - Repositionable in 1" increments. - Requires Post Kit (Sku 438260) which is not included with purchase of shelves - Durable, dark gray finish.	Expected Delivery7 - 14 Business Days	As low as \$109.98 5 shelves	
	Tennsco Commercial Shelving - Shelves adjust in 1" increments with compression clips. - Set includes shelves, posts, and shelf clips. - Assembly required.	Expected Delivery1 - 4 Business Days	As low as \$19.99 2 Shelves	
	Safco Industrial Steel Shelving - Repositionable in 1" increments - Post kit Includes four 85"-high posts which must be ordered with each shelf pack - Durable, dark gray finish	Expected Delivery7 - 14 Business Days	As low as \$79.99 Each	210.00
	Tennsco Industrial Shelving 750-lb. capacity per shelf (based on 36" x 12" shelf evenly distributed) - Six shelves per carton - Post kit (sku 506256) includes four 87" offset angle posts, two pairs of side braces and one pair of back braces	Expected DeliveryVaries by Item	As low as \$129.98 6 Shelves	
	Safco Industrial Wire Shelving Durable black powder-coat finish resists wear and tear.	Expected DeliveryVaries by Item	As low as \$99.99 Each	

GRAINGER

FOR THE ONE WHO GET IT DONE



Catalog No. 397 (PDF)

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[Repair Parts](#) | [Services](#) | [Resources](#) | [Company Info](#) | [Contact Us](#) | [Find A Branch](#) | [Worldwid](#)

 Search
 Keyword(s)

Go

YOUR ACCOUNT

Robert Morrison

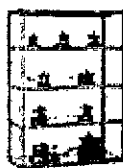
[Personal Lists](#)
[Item History](#) **NEW**
[Order History](#)

10/18/06

Product Comparison

< Ba

Add another Grainger Item #:

 Sort Table By:
 Default


Remove

Remove

Remove

Your Price

\$0.00

\$300.50

Each

Ship Qty.

1

1

Buy

Discontinued

Qty **Add to Order****Add to Personal List**

Item #

7B758

7E510

Description

SHELVING,
INDUSTRIAL

SHELVING,48WX18DX84H

Brand

APPROVED
VENDOR

EDSAL

Mfr. Model #

6940

1

Usually Ships **?**

Discontinued

Today

Catalog 397 Page

-

2143

Width (In.)

-

48

Depth (In.)

-

18

Height (In.)

-

84

Number of Shelves

-

5

Finish

-

Tough Gray Powder Coat

[Return To Top](#)

393-3

STAPLES

that was easy®

Back to: Storage/ Modular Cabinets / Lockers



Image shown is 3 single units grouped together

Tennsco Single-Tier 3 Locker Unit

Safely store items in these heavy-duty lockers

Full length door stiffeners deaden sound and add rigidity when opening or closing the doors

- 3 Lockers included in this set
- Available in gray or sand
- Overall dimensions: 72"H x 36"W x 18"D
- No assembly required
- Compartment dimensions: 72"H x 12"W x 18"D
- Three-point locking system provides added security
- Each locker comes with a hat shelf and coat rod
- Number-plates allow for personal identification and padlock hasps (locks sold separately)
- Vertical louvers on top and bottom of each door provide ventilation
- Optional bases raise lockers 6" off floor for easier access to bottom units
- Weight: 190 lbs.

	sort by Name	sort by Delivery	sort by Price	
 Item 438244 Model TNN102572	Tennsco 3 Wide 72" Single-Tier Lockers, Sand • 3 Lockers included in this set • Available in gray or sand • Overall dimensions: 72"H x 36"W x 18"D	Expected Delivery 1 - 4 Business Days	\$599.99 Locker	Qty. Add to Favorites
X2  Item 438243 Model TNN10270	Tennsco 3-Wide 72" Single-Tier Locker, Gray • 3 Lockers included in this set • Available in gray or sand • Overall dimensions: 72"H x 36"W x 18"D	Expected Delivery 1 - 4 Business Days	\$599.99 Locker	Qty. Add to Favorites
 Item 430296	Tennsco Locker Base for Tennsco Lockers, 6"H x 13"W x 18"D, Gray • Three bases must be ordered to form a complete base as shown	Expected Delivery 1 - 4 Business Days	\$36.99 Base Only	Qty. Add to Favorites

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True Temper® Two Wheel Poly Contractor Wheelbarrow

Item no: 7067556

Our Price:
\$119.99

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- 9 cu.ft. capacity 16" dual wheels
- Heavy duty undercarriage
- Steel cross braces
- Steel shoes
- Heavy duty H-brace
- Heavy duty bearings
- Wood handles, poly tray
- Replacement handles Ace no. 74647
- Replacement wheel Ace no. 70005
- Bright colors

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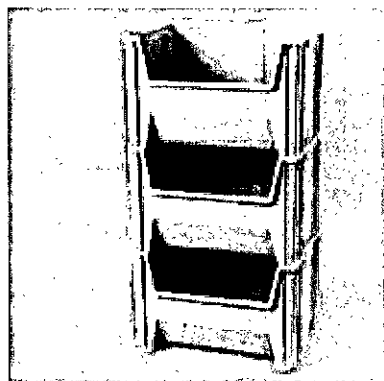
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- Trash Containers
- Trucks
- Tubing/Tube Fittings
- Valves

**Akro-Mils® Storage Bins**

These bins securely stack for parts or tools. Strong resistant and almost unbreakable polyethylene. C handles make it easy to carry or stack. Gray only.

Other Information

Catalog Page Number: P-222
Manufacturer: Akro-Mils

Page Tools

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This product is available in following variations:

Item No.	Description	Sold By	In Stock	Size	List Price
53237	Stackable Storage Bins - Gray Qty 3: 5% off; Qty 6: 10% off; Qty 18: 15% off;	Each	Yes	15-1/4 x 19-7/8 x 12-7/16	\$10.35

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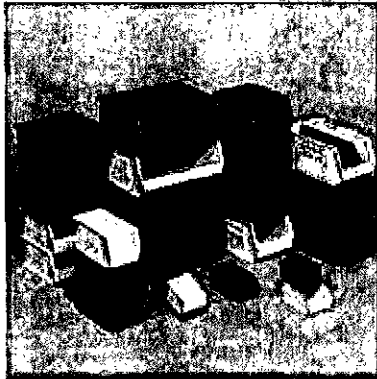
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Yellow Storage Bin

Can be suspended from louvered panels. Extra wide stacking ledge assures stability, allows for high stacking. Large label card slot for easy labeling. Reinforced ribs prevent bins from spreading. Finger grips for easy handling of larger bins. Anti-slip stop prevents loaded bins from shifting forward. Measurements are listed as L x W x H.

Product Description

Yellow Storage Bin

Qty 24: 5% off; Qty 48: 10% off; Qty 144: 15% off;

Product Pricing

Price

\$7.27

Product Information

Item No.: 52097

In Stock: Yes

Sold By: Each

OD: 10-3/4 x 8-1/4 x 7

Catalog Page Number: P-224

Manufacturer: Akro-Mils

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Product Group This Item Belongs To: AkroBins® Polypropylene Storage Bins

Can be suspended from louvered panels. Extra wide stacking ledge assures stability, allows for high stacking. Large label card slot for easy labeling. Reinforced ribs prevent bins from spreading. F...

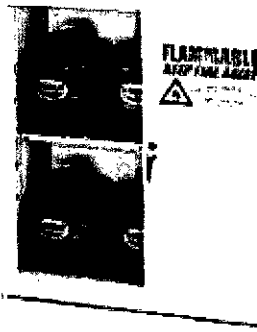
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 Safety Cans
 Hard Tanks
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 Ice Control

30 Gal. Manual, Flammable Storage Cabinet

Qty. In Basket: None
 Price: **\$449.46**
 Code: SC-1932

Qty: 1

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DMA
 Direct Marketing Association

Description:

EAGLE Model 1932 Safety Cabinets are constructed of 18-gauge steel, sides, top, bottom, and doors are double-walled with a 1 1/2" air space between walls. Both vents, with 2" threaded fittings, have fire baffle and cap. Safety Cabinets come in yellow high gloss powder finish with red warning, plus grounding attachment, 3-point key lock, and 2" raised, leakproof door sill. Each shelf is adjustable, supported by 4 brackets, and can support 350 pounds. These Eagle Safety Cabinets are discounted and available in two door manual (Model 1932) and self closing (Model 3010) models. FM approved.

Specifications:

Capacity: 30 Gallons
 Shelf Depth: 14.75"
 Shelves: 1
 Dimensions: 43" x 18" x 44"
 Weight: 257 lbs.

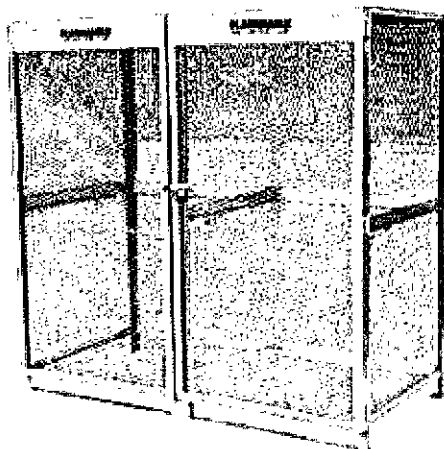
Price is for a #1932 Manual Flammable Safety Cabinet.

Freight will be calculated and emailed to you separately for closest availability and freight savings. You must reply to the freight email before we can complete order.

For questions or bulk discounts, please call 1-800-474-7294. Thank you in advance. You must click "ADD TO BASKET" at least once before clicking "Proceed to Checkout"

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- All welded - ready to use, meets OSHA 1910
- 13 gauge flattened mesh sides
- 12 gauge tops
- 1-1/2" x 3/16" thick corner angles
- Foot pads with pre-drilled holes
- Powder coated safety yellow
- Safety signage in large red letters

Size Options - W x L x H (in.)

- 33 x 38 x 70 - \$499.95 | 82JCCV051
- 60 x 38 x 70 - \$769.95 | 82JCCV102

Please call for shipping costs

Price: \$ 499.95

Stock #: 82JCCV

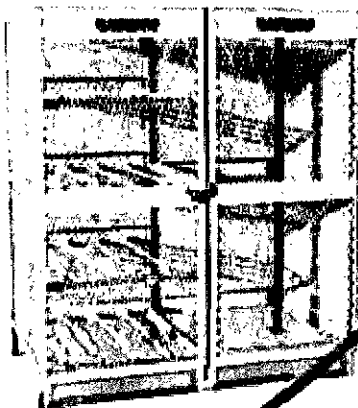
Size - W x L x H in.: 33 x 38 x 70 | 82JCCV051

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82JCCX100

Standard Combo Gas Cylinder Storage



- Combo Gas Cylinder Storage - Vertical & Horizontal Positions
 - Horizontal - 20-48lb - 8 cylinders
 - Vertical - 200lb - 5-10 cylinders
- Size is 62 x 38 x 70
- Lockable mesh doors with slide bolt hasp
- All welded - ready to use
- 13 gauge flattened mesh sides
- 12 gauge tops
- 1-1/2" x 3/16" thick corner angles
- Foot pads with pre-drilled holes
- Powder coated safety yellow
- Safety signage in large red letters

Please call for shipping costs

Price: \$ 839.95

Stock #: 82JCCX100

Qty:

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Standard Safety Cabinet Quality

- Standard cabinets have more steel in the 14-gauge outer door wall than other leading brands 18-gauge
- Standard cabinets have stronger mig welded construction versus spot welded construction of other leading brands
- All standard cabinets have preferred flush mounted paddle handles

06200 | Finish Carpentry

06250 | Prefinished Paneling

	CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL EXCL O&P
					MAT.	LABOR	EQUIP.	TOTAL	
1000 1/4" thick	2 Carp	500	.032	S.F.	.39	1.14		1.53	2.31
1200 Plastic faced hardboard, 1/8" thick		500	.032		.58	1.14		1.72	2.52
1300 1/4" thick		500	.032		.77	1.14		1.91	2.73
1500 Plastic faced neqboard, 1/8" thick		500	.032		.55	1.14		1.69	2.49
1600 1/4" thick		500	.032		.68	1.14		1.82	2.63
1800 Wood grained, plain or grooved, 1/4" thick, minimum		500	.032		.51	1.14		1.65	2.44
1900 Maximum		425	.038		1.08	1.34		2.42	3.41
2100 Moldings for hardboard, wood or aluminum, minimum		500	.032	L.F.	.35	1.14		1.49	2.27
2200 Maximum		425	.038		.98	1.34		2.32	3.30
3000 Minimum labor/equipment charge	1 Carp	2	4	Job		142		142	236

06260 | PANELING, PLYWOOD

1400 Plywood, prefinished, 1/4" thick, 4' x 8' sheets	2 Carp	500	.032	S.F.	.84	1.14		1.98	2.80
2410 with vertical grooves. Birch faced, minimum		420	.038		1.28	1.35		2.63	3.65
2420 Average		350	.046		1.87	1.63		3.50	4.75
2430 Maximum		400	.040		2.39	1.42		3.81	4.99
2600 Mahogany, African		500	.032		1.03	1.14		2.17	3.01
2700 Philippine (Laural)		500	.032		2	1.14		3.14	4.08
2900 Oak or Cherry, minimum		400	.040		3.07	1.42		4.49	5.75
3000 Maximum		320	.050		4.36	1.78		6.14	7.75
3200 Rosewood		400	.040		3.07	1.42		4.49	5.75
3400 Teak		375	.043		4.54	1.52		6.06	7.50
3600 Chestnut		400	.040		1.96	1.42		3.38	4.52
3800 Pecan		500	.032		2.62	1.14		3.76	4.76
3900 Walnut, minimum		400	.040		4.96	1.42		6.38	7.80
3950 Maximum		320	.050		1.19	1.78		2.97	4.26
4200 Plywood, prefinished, 3/4" thick, stock grades, minimum		224	.071		5.10	2.54		7.64	9.85
4300 Maximum		224	.071		3.78	2.54		6.32	8.35
4400 Architectural grade, minimum		160	.100		5.80	3.56		9.36	12.25
4600 Maximum		450	.036		1.79	1.26		3.05	4.06
4700 Plywood, 1/2" face, birch, V.C., 1/2" thick, natural		450	.036		1.96	1.26		3.22	4.25
4900 Select		320	.050		1.89	1.78		3.67	5.05
5000 Veneer core, 3/4" thick, natural		320	.050		2.13	1.78		3.91	5.30
5200 Select		320	.050		2.84	1.78		4.62	6.85
5300 Lumber core, 3/4" thick, natural		450	.036		1.55	1.26		2.81	3.80
5500 Plywood, Acroty pine, 1/4" thick, A2 grade		450	.036		1.96	1.26		3.22	4.25
5600 A3 grade		320	.050		2.01	1.78		3.79	5.15
5800 3/4" thick, veneer core, A2 grade		320	.050		2.26	1.78		4.04	5.45
5900 A3 grade		400	.040		1.98	1.42		3.40	4.54
6100 Aromatic cedar, 1/4" thick, plywood		400	.040		.96	1.42		2.38	3.42
6200 1/8" thick, particle board		400	.040						
7000 Minimum labor/equipment charge	1 Carp	2	4	Job		142		142	236

06260 | Board Paneling

6400 Wood board paneling, 3/4" thick, knotty pine	2 Carp	300	.053	S.F.	1.40	1.90		3.30	4.68
6500 Rough sawn cedar		300	.053		1.79	1.90		3.69	5.10
6700 Redwood, clear, 1" x 4" boards		300	.053		4.18	1.90		6.08	7.75
6900 Aromatic cedar, closet lining, boards		275	.058		3.22	2.87		5.29	6.95
8000 Minimum labor/equipment charge	1 Carp	2	4	Job		142		142	236

06270 | Closet/Utility Wood Shelving

06270 SHELVING									
06270 Pine, clear grade, no edge band, 1" x 8"	1 Carp	115	.070	L.F.	1.81	2.47		4.28	6.10
06270 1" x 10"		110	.073		2.31	2.59		4.90	6.80
06270 1" x 12"		105	.076		3.10	2.71		5.81	7.90

For expanded coverage of these items see Means Interior Cost Data 2006

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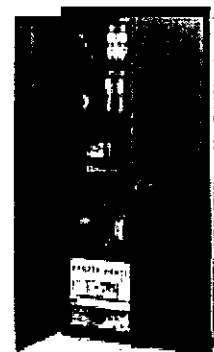
Item Details

Material Handling > Cabinets > Commercial & Industrial Cabinets

CABINET, SECURITY

Welded Security Cabinet, Shelf Capacity 1000 Pounds, Number of Shelves 4, Overall Height 84 Inches, Overall Width 36 Inches, Overall Depth 18 Inches, Gray

Grainger Item #	4TX83
Your Price (ea.)	\$677.50
Brand	EDSAL
Mfr. Model #	VC1503G
Ship Qty. ☐	1
Sell Qty. (Will-Call) ☐	1
Ship Weight (lbs.)	309.0
Usually Ships** ☐	From mfr. w/in 6 bus. days
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Tech Specs	Additional Information	Notes & Restrictions	MSDS	Required Accessories	Optional Accessories	Alternate Products	Repair Parts
Cabinet Type		Security					
Shelf Capacity (Lbs.)		1000					
Number of Shelves		4					
Overall Height (In.)		84					
Overall Width (In.)		36					
Overall Depth (In.)		18					
Color		Gray					
Includes		Locking Handle					
Cabinet Material		Tough 18-gauge, All-welded Steel					
Locking System		3 Point					
Shelf Type		Adjustable on 4 Inches Centers					
Finish		Powder Coat					
Application		For Use With Security Cabinet					

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Image	Item Number	Description	Compare	Price
	49968	Traffic Barricade (Type 1) Wood w/ Eng. Grade Orange/White	☐	\$ 55.98 EA
Add to Compare				

X 6 = \$335.88

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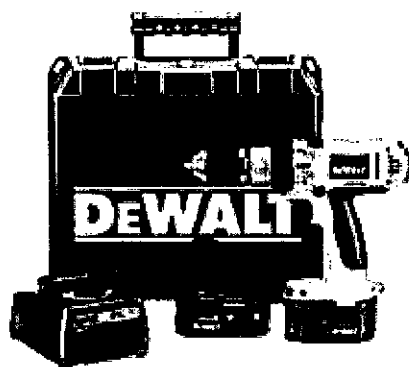
Image	Item Number	Description	Compare	Price
	50001	Barricade Light 2 pack 6 V, 3-way Stainless Switch	☐	\$ 36.16 PK
	50002	Barricade Light, 10 pack 6V,3-Way Stainless Switch	☐	\$ 172.00 PK
	50007	Barricade Light Replacement 7" Lens (1 side)	☐	\$ 1.49 EA
	50012	Barricade Light Optional Bolt Protectors	☐	\$ 1.08 EA
	50017	Barricade Light Extra 6 Volt Flashing Bulbs	☐	\$ 1.48 EA

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Item no: 2017127

Our Price:
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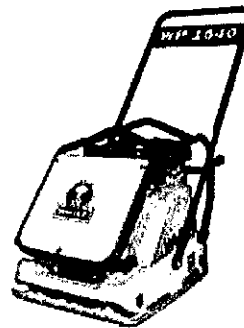
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TESTED 0> [Back to browsing products](#)<< [Lower Price](#) [Higher Price](#) >>**Wacker WP1540A Plate Compactor****SALE Price: \$1,988.97**

(list price \$2,339.00)

Lease this item for ONLY \$94.06/month

+ ADD TO CART* Usually ships **SAME DAY** *

* Delivery normally takes 2-4 business days to arrive! *

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Wacker WP1540A vibratory plate compactors are designed for compaction of granular soil in narrow trenches. These plates curbs, gutters, around tanks, forms, columns, footings, guard railings, drainage ditches and sewer works and building constr

Wacker WP1540A Plate Compactor**WP1540A Vibratory Plate Compactor Features:**

- Lightweight, high strength aluminum components including the engine console and beltguard have been combined for reduced weight and easy machine handling.
- Straight, center-mounted guide handle offers superior maneuverability and can be lowered within inches of the surface to go under obstacles and form work.
- High inertia clutch with adjustable shims ensures smoother operation, longer belt life, and simplified belt adjustment.

WP1540A Vibratory Plate Compactor Complete Specifications (Compare Specifications with Similar Equipment)

Motor (HP)	5.5	Frequency (RPM)	4900	Engine
Plate Width (in)	15.5	Centrifugal Force (lbs)	3375	Weight

Accessories/Supplies

Web Id	Item Name	Price	Quantity
WKR0059	Wacker Water Tank Kit	\$164.00	
WKR0061	Wacker WP1540A Wheel Kit	\$209.00	

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Wacker BS 50-4 Rammer Tamper**SALE Price: \$2,899.97**

(list price \$3,525.00)

Lease this item for ONLY \$137.14/month

+ ADD TO CART

* Usually ships **SAME DAY** *

* Delivery normally takes 2-4 business days to arrive! *

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Description

The Wacker BS 50-4 jumping jack tamper rammer has set the standard in the construction industry. Wacker tamper rammer powered by the exclusive WM 80. WACKER's rugged jumping jacks are designed for maximum production and durability.

Wacker BS 50-4 Rammer Tamper**BS 50-4 Tamper Rammer Features:**

- Automatic shutoff feature will shut down the unit if left idling for an extended period of time, reducing emissions and carbon
- Rugged rammers designed for the compaction of cohesive, mixed and granular soils in confined areas
- A unique three-stage air filtration system provides a virtually dust-free engine for longer life and improved durability. A filter is provided for the operator when the air filter needs to be changed.

BS 50-4 Tamper Rammer Complete Specifications (Compare Specifications with Similar Equipment)

Engine	Wacker 4-Stroke	Blows Per Minute	680	Shoe Size (in)
Motor (HP)	3.1	Impact Force (lbs)	3300	Weight

Accessories/Supplies

Web Id	Item Name	Price	Quantity
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FREETEE**ConstructionComplete FREE TEE SHIRT**

For a limited time, get a FREE ConstructionComplete.com T-shirt with your next purchase of \$200.00 or more*. Taking advantage of this special offer is easy. Simply add the shirt to the shopping cart when checking out OR mention it to your sales representative when calling

1

Warranty

394-4
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Search by keyword or item #

Search**HAND/POWER TOOLS**[Home](#) > [Sockets / Wrenches](#) > [Pipe Wrenches](#)**Ridgid® Pipe Wrench**
 Our Price:
\$19.99 to 59.99
[Browse Search](#)**SAVINGS ALERT**
 Take advantage of FREE Shipping to your local Ace! (See
 Promotion Details)

3 of 4

Size

18-in - \$41.99

Qty: 1

Add to Cart**Add to Wishlist**

Product Tools:

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Related Categories

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 AVAILABILITY: In stock, leaves warehouse in 5 - 7 full bus.
 days. - (Details)

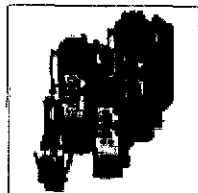
[1/2in Dr Socket](#)
[1/4in Dr Socket](#)
[3/4in Dr Socket](#)
[3/8in Dr Socket](#)
[Adjustable Wr](#)
[Flat Wrenches](#)
[Pipe Wrenches](#)
[Pneumatic So](#)
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- Cast iron I-beam
- Meets federal specification G-G-G-W-651E; type 2; class 3A
- Pipe Capacity 1-1/2"

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**See product

 Product Details**394-5****ANSUL.** [View Large Image](#)**REDL FIRE EXTINGUISHER 20LB PURPLE K****Product No:** ANSU416309**Brand/Manufacturer:** ANSUL INC**UOM:** EA**Availability:**  **IN STOCK****\$376.04**

These dry chemical extinguishers are designed for the protection of ordinary and high-risk hazards. This hand portable extinguisher is used in industries where the occurrence or possibility of fire is high. The RED LINE extinguisher has set the standard for reliable fire protection in many industries and applications including refining, petrochemical, oil and natural gas production, mining, transportation, utilities, metal processing, paint process areas, welding areas, material storage areas and many others. DOT and USCG approved with proper bracket. Meets or exceeds requirements of ANSI/UL 299 and 711.

 **PRINT**  **CANCEL**

394-6



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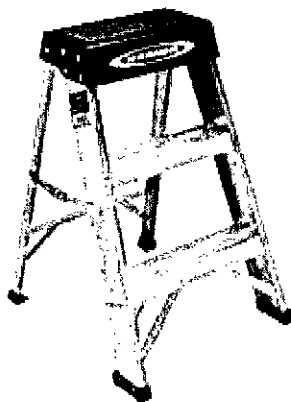
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CLEANING/PAINT SUPPLIES

[Home](#) > [Cleaning / Paint Supplies](#) > [Ladders](#) > [Aluminum / Steel Step Ladders](#)



[LARGER IMAGE](#)

Werner® Aluminum Stepladder (150b)

Item no: 11080

Our Price:
\$34.99

[Browse Search](#)

SAVINGS ALERT

Take advantage of **FREE Shipping** to your local Ace! (See Promotion Details)

1 of 13

Qty: 1

[Add to Cart](#)

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Product Tools:

- Learn About L
- Ladder Safety
- Email A Friend



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on purchases over \$250

Related Category

AVAILABILITY: In stock, leaves warehouse in 5 - 7 full bus. days. - (Details)

- Aluminum / St
- See all WERN

- 2'
- Type I, 300 lb. duty rating
- Plastic top
- 6" x 12" platform
- Slip resistant full-sized steps
- Bottom step has double channel braces
- Vinyl foot pads riveted to side rails

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394-7



Instawares
Restaurant Supply Superstore

1-800-892-3622

1-800-838-6802 (fax)

www.instawares.com | support@instawares.com

#428 Aluminum Step Ladder, 6 Foot, ANSI Type II

by Davidson Ladders, Inc.

List Price: ~~\$145.49~~
Our Price: **\$85.58**
You Save: \$59.91
Product ID: DADD221206SBX
Sold As: 1 EA
Availability: 47 In Stock
Usually ships within 1 to 2 business days.



Wares

 This item is not eligible for Free Super Saver Shipping.

Companion Products

Buy companion products together today!

+	#429 Aluminum Two-Step Stool, Side Locks, 16-3/8w x 20 spread x 26h. \$39.30
	#566 Aluminum Euro Platform Ladder, 3 Foot, ANSI Type III, 18-3/8w x 31 spread \$75.47
	#566 Aluminum Euro Platform Ladder, 4 Foot, ANSI Type III, 18-3/8w x 31 spread \$79.64

Product Details

#428 Six-Foot Aluminum Step Ladder • Select ladder of proper duty rating to support combined weight of user and materials • Meets or exceeds ANSI and OSHA safety codes • ANSI Type II, Commercial, 225-lb. duty rating • For painters and other tradespeople; with slots for small hand tools Yellow molded plastic top holds quart paint can. Extra large automatic pail shelf with retaining edge. Full 3" U-channel serrated steps. Angle bracing on bottom step and all back bars. 20-7/16w x 42-1/4 spread. WARNING: Metal ladders conduct electricity. Do not use where contact may be made with live electrical circuits. 6 Feet High Shpg. wt. 12 lbs.

Products are sometimes shown with optional equipment - material choices and/or finishes may affect pricing for furniture.

394-8



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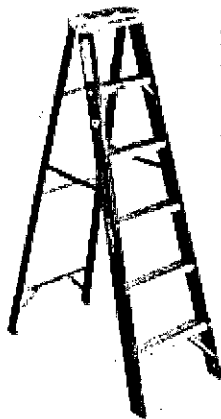
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CLEANING/PAINT SUPPLIES

[Home](#) > [Cleaning / Paint Supplies](#) > [Ladders](#) > [Fiberglass Step](#)



[LARGER IMAGE](#)

Werner® Fiberglass Stepladder (6008)

Item no: 18971

Our Price:
\$99.99

[Browse Search](#)

SAVINGS ALERT

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4 of 11

Qty: 1

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Product Tools:

- [Learn About L](#)
- [Email A Friend](#)



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Related Category

- [Attic Ladders](#)
- [Extension Ladders](#)
- [Fiberglass Stepladders](#)
- [Wood Step Ladders](#)

AVAILABILITY: In stock, leaves warehouse in 5 - 7 full bus. days. - [\(Details\)](#)

• [See all WERNER Ladders](#)

This item can be purchased on-line, however, due to shipping restrictions, DELIVERY IS ONLY AVAILABLE TO YOUR LOCAL ACE STORE.

- Serrated aluminum steps
- Pinch-proof steel plated spreaders
- Tool tray top
- Ladder top slotted for paint tray
- Paint can hanger
- Plated steel braces on bottom steps and rear horizontal
- Blue
- UL & ANSI approved
- 8' Tall

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BuyAutoTruck
Accessories.com

SEARCH:

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Interior Accessories

Contractor Accessories

Towing and Cargo

FREE SHIPPING! on orders over \$100***FedEx*** For FedEx ground ser
within the Continto
oversized items.

Vehicle Product Search:

Select Make...

Select Model...

Year...

SEARCH

TO VIEW ALL PRODUCTS
FOR YOUR VEHICLE
YOU MUST SELECT
MAKE, MODEL & YEAR!This search is for Vehicle
Specific Products - Click
Here to see ALL products

Exterior Accessories

- Body Restyling
- Grille & Brush Protection
- Lighting
- Nerf Bars & Running Boards
- Shields & Visors
- Truck Bed Accessories
- Truck Tool Boxes
- More Exteriors ...

Interior Accessories

- Alarms & Security
- Barrier Gates & Dividers
- Clocks & Compasses
- Electrical
- Floor Mats & Liners
- Interior Lighting
- Restyling
- Sun Shields & Visors
- More Interiors ...

Contractor Accessories

- Cab Protection
- Fuel Pumps & Accessories
- Fuel Transfer Tanks
- Rack Systems
- Storage Security
- Wheels & Rims
- More Contractors ...

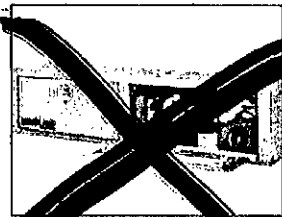
Towing and Cargo

- Cargo Management
- Hitches
- Towing Accessories
- Towing Electrical
- Trailer Accessories
- More Towing ...

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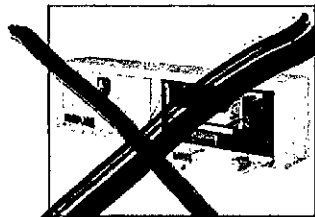
Topsides

Results 1 - 4 of 4 products under this category.



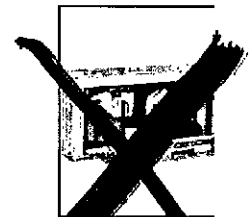
Deluxe Aluminum Topsides
Reg: \$847.95
As Low As: \$472.95

Details / Buy



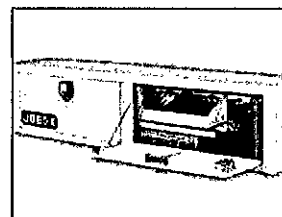
Delta Pro Steel Topsides
Reg: \$785.95
As Low As: \$438.95

Details / Buy



Jobox Aluminum
Reg: \$661.95
As Low As: \$363.95

Detail



Jobox Steel Topsides
Reg: \$651.95
As Low As: \$363.95

Details / Buy

Jump To Page: 1

394-10

**Type II Safety Cans**

Type II Safety Cans are made of galvanized steel and help reduce the danger of explosion when dispensing flammable liquids thru a flexible metal spout. Cans have a brass flame arrestor in filter opening and pour spout. Meets OSHA requirements.

Type II Safety Can	STOCK #	EACH
2-Gallon	42611	\$ 55.97
5-Gallon	42614	57.24
Type II Yellow Diesel Can	STOCK #	EACH
2-Gallon	42615	\$ 56.03
5-Gallon	42616	57.24

**Type I Safety Cans**

Type I safety cans are ideal for safer carrying and storing of gasoline and flammable liquids. One, two and five-gallon models are made from galvanized steel and are equipped with brass pour spout and flame arrestor. Meets OSHA requirements.

Type I Red Safety Can	STOCK #	EACH
1-Gallon	42600	\$ 23.80
2-Gallon	42604	25.37
5-Gallon	42608	28.20
Type I Yellow Diesel Can	STOCK #	EACH
1-Gallon	42617	\$ 23.90
2-Gallon	42618	25.37
5-Gallon	42619	28.20

**Waste Cans**

These are essential where solvents and wiping rags are used. Can be used when not in use. Operated by hand or foot lever. Cover opens and closes automatically when released. Popular 10-gallon size. Meets OSHA requirements. 21-3/4" high, 18 lbs.

42620 \$ 55.36

**ShopPro® Disposable Shop Towels**

- Much better than standard shop towels!
- Only 13¢ each!

These super absorbent shop towels do a great job of soaking up water and oil. They are extremely durable and provide a consistent cleaning each and every time. Towels are white and measure 13.8"L x 14"W. Sold in cases of 200.

ShopPro Shop Towels, Case of 200 45621 \$ 26.84

394-11


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Search by keyword or item #

HAND/POWER TOOLS**Search**[Home](#) > [Sockets / Wrenches](#) > [Pipe Wrenches](#)**Ridgid® Pipe Wrench**

Our Price:
\$19.99 to \$59.99

[Browse Search](#)**SAVINGS ALERT**

Take advantage of FREE Shipping to your local Ace! (See Promotion Details)

3 of 4

Size
24in - \$59.99

Product Tools:

• [Learn About F](#)
• [Email A Friend](#)

Qty: 1

Add to Cart**Add to Wishlist**

Related Categories:

[LARGER IMAGE](#)

BUY NOW! NO PAYMENTS FOR 90 DAYS
on purchases over \$250

AVAILABILITY: In stock, leaves warehouse in 5 - 7 full bus. days. - (Details)

• [1/2in Dr Socket](#)
• [1/4in Dr Socket](#)
• [3/4in Dr Socket](#)
• [3/8in Dr Socket](#)
• [Adjustable Wrench](#)
• [Flat Wrenches](#)
• [Pipe Wrenches](#)
• [Pneumatic Sockets](#)

• See all RIDGID

- Cast iron I-beam
- Meets federal specification G-G-G-W-651E; type 2; class 3A
- Pipe Capacity 1-1/2"

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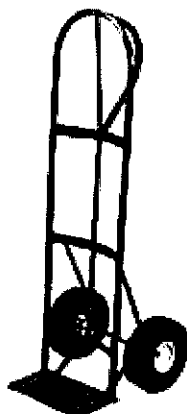
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Search

LAWN AND GARDEN

[Home](#) > [Lawn and Garden](#) > [Hand Trucks](#) > [Hand Truck](#)



[LARGER IMAGE](#)

Gleason-Hand Trucks P-Handle Hand Truck (40119)

Item no: 74821

Our Price:
\$94.99

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SAVINGS ALERT

Take advantage of **FREE Shipping** to your local Ace! (See Promotion Details)

1 of 14

Qty: 1

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Product Tools:

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Related Category

[Hand Truck](#)
[Lifting Straps](#)

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BUY NOW! NO PAYMENTS FOR 90 DAYS
on purchases over \$250

AVAILABILITY: In stock, leaves warehouse in 5 - 7 full bus. days. - (Details)

- 600 lb. capacity
- 10" x 4" pneumatic wheels (Replacement Ace No. 72219)
- 8" x 14" toe plate
- 50-1/2" high
- P-handle

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Search by keyword or item #

Search**HAND/POWER TOOLS**[Home](#) > [Sockets / Wrenches](#) > [Adjustable Wrenches](#)**Stanley Adjustable Wrench**

Our Price:

8" → \$18.99 to 21.99 ← 10"

[Browse Search](#)**SAVINGS ALERT**

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2 of 9

Size

Please select a size

[Product Tools:](#)[Email A Friend](#)

Qty: 1

[Related Categories](#)**Add to Cart****Add to Wishlist****BUY NOW! NO PAYMENTS FOR 90 DAYS**
on purchases over \$250

AVAILABILITY: In stock, leaves warehouse in 5 - 7 full bus. days. - (Details)

- 1/2in Dr Sock
- 1/4in Dr Sock
- 3/4in Dr Sock
- 3/8in Dr Sock
- Adjustable Wr
- Flat Wrenches
- Pipe Wrenche
- Pneumatic So

[See all Stanley](#)

- Precision-machined face with etched measurement scale in English
- Non-slip bi-material cushion grip
- Rust resistant phosphate coating
- Strong chrome vanadium steel
- EXCEED ANSI specs
- Hang hole in handle
- Carded

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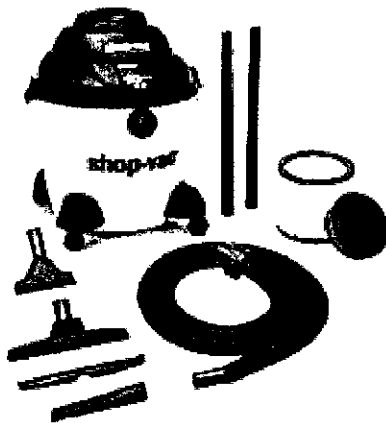
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HAND/POWER TOOLS

[Home](#) > [Hand / Power Tools](#) > [Shop Vac](#) > [Wet/Dry Vacuums](#)



[Q LARGER IMAGE](#)

Shop-Vac® Ultra Plus (962-10-00)

Item no: 2114585

Our Price:
\$79.99

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SAVINGS ALERT

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6 of 12

Qty: 1

Product Tools:

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Related Categories:

[Wet/Dry Vacu](#)

[See all SHOP](#)



BUY NOW! NO PAYMENTS FOR 90 DAYS
on purchases over \$250

AVAILABILITY: In stock, leaves warehouse in 5 - 7 full bus. days. - (Details)

- 4.0 HP; 10 gal.
- 18' cord
- Features: filter cartridge; carrying handles; casters visible on/off switch; automatic shut off for wet pick up; on board cord storage; dent resistant plastic tank with drain plug
- Air baffle system deadens sound
- Includes 8' x 1-1/4" hose, 2 - 1-1/4" extension wands, 8" nozzle/squeegee insert, gulper nozzle, crevice tool, hose holder, concentrator nozzle, elbow grip, disposable filter bag
- 4 year manufacturer's warranty

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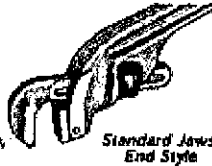
Photo # 29-43 394-15

Pipe Wrenches

Ridgid Heavy Duty Pipe Wrenches



Standard Jaws,
Straight Style



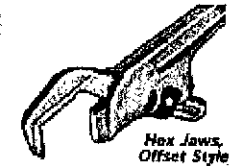
Standard Jaws,
End Style



Standard Jaws,
Offset Style



Hex Jaws,
Straight Style



Hex Jaws,
Offset Style

Count on these premium wrenches for jam-free operation. Made of cast iron with I-beam handle. **Standard Jaws**—Ideal for pipe and conduit work. A hook jaw with alloy steel teeth floats on spring suspension for an instant grip and release. Hook jaw and heel jaw are replaceable. **Hex Jaws**—Smooth jaws provide a multisided grip on square nuts, hex nuts, valve packing nuts, unions, and drain nuts. Hook jaw is replaceable; heel jaw is not.

Straight style wrenches are ideal for loosening and tightening pipe fittings and rigid conduit. Meet Fed. Spec. GGG-W-651. **End style** wrenches work like straight style, but with an angled head for work in close quarters. Meet Fed. Spec. GGG-W-651. **Offset style** wrenches are similar to end style, but are especially effective for overhead work.

Note: Replacement parts fit straight, end, and offset style wrenches.



REPLACEMENT PARTS

WRENCHES				REPLACEMENT PARTS									
O'all Lg.	Jaw Cap.	Straight Style	End Style	Hook Jaws	Heel Jaws & Pins	Coil & Flat Springs	Nuts						
		Each	Each	Each	Each	Each	Each						
Standard Jaws													
0"	3/4"	5357A121	\$14.53	5357A141	\$10.41	5357A181	\$8.82	5357A201	\$4.13	5357A241	\$2.68	5357A261	\$2.57
0"	1"	5357A122	15.51	5357A142	19.09	5357A182	8.90	5357A202	5.04	5357A242	2.79	5357A262	2.68
10"	1 1/8"	5357A123	20.40	5357A143	25.42	5357A183	10.91	5357A203	6.65	5357A243	3.00	5357A263	2.79
12"	2"	5357A124	23.63	5357A144	29.55	5357A184	13.30	5357A205	8.53	5357A244	3.32	5357A264	3.32
14"	2 1/2"	5357A125	26.86	5357A145	30.82	5357A176	15.66	5357A206	8.53	5357A131	3.70	5357A265	3.70
16"	3"	5357A126	30.45	5357A146	43.98	5357A177	22.09	5357A206	11.48	5357A132	6.65	5357A266	6.42
18"	3 1/2"	5357A127	34.04	5357A147	75.94	5357A178	34.43	5357A207	17.54	5357A133	7.45	5357A267	8.04
20"	4"	5357A128	127.72	5357A148	161.21	5357A188	72.24	5357A208	28.06	5357A248	9.66	5357A268	14.85
22"	4 1/2"	5357A129	192.54			5357A189	107.68	5357A209	46.39	5357A249	11.48	5357A269	22.95
24"	5"	5357A171	303.22			5357A172	169.56	5357A173	75.73	5357A174	19.15	5357A175	40.23
Offset Style								Flat Springs					
14"	2"			5357A165	\$47.84	5357A191	19.00	5357A205	8.53	5357A194	\$3.50	5357A265	3.70
16"	2 1/2"			5357A166	70.52	5357A192	27.00	5357A206	11.48	5357A199	6.00	5357A266	5.42
24"	3"			5357A167	111.60	5357A193	42.39	5357A207	17.54	5357A196	8.29	5357A267	8.04

Hex Jaws

		Straight Style		Offset Style			
O'all Lg.	Jaw Cap.	Each	Each	Each	Each	Each	Each
9 1/2"	1 1/4"-2 1/4"		5373A21 \$28.56	5373A211 16.09			5357A263 2.79
14 1/2"	1 1/2"-1 3/4"	5373A22 \$49.02		5373A221 25.85			5357A266 5.42
20"	1"	5373A23 75.31		5373A231 40.32			5357A267 8.04

* Does not meet Fed. Spec. GGG-W-651.

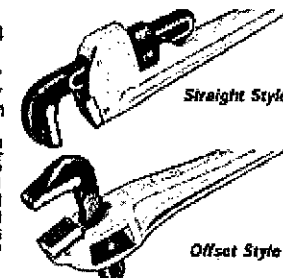
Aluminum-Handle Pipe Wrenches

As durable as iron wrenches of the same size, but lighter in weight due to cast aluminum handles. Full floating hook jaw and spring suspension prevent jamming and locking. Meet Fed. Spec. GGG-W-651.

Straight style wrenches have forged-steel jaws. **End style** and **offset style** wrenches work well in tight areas. Jaws are hardened alloy steel. Value wrenches are an economical alternative to Ridgid brand. Made in Spain.

O'all Lg.	Jaw Cap.	RIDGID BRAND		Offset Style Each	VALUE Straight Style Each
		Straight Style Each	End Style Each		
10"	1 1/2"	5591A44 \$32.43	5764A31* \$35.22		5356A11 \$25.35
14"	2"	5591A46 44.03	5764A33* 49.85	5290SA61 \$59.37	5356A12 32.71
18"	2 1/4"	5591A47 54.74	5764A35* 61.98	5290SA62 73.72	5356A13 42.23
24"	3"	5591A48 86.93	5764A37* 97.93	5290SA63 123.83	5356A14 65.08
36"	5"	5591A49 149.64			5356A15 114.96
48"	6"	5591A51 294.73			5356A16 228.77

* Does not meet Fed. Spec. GGG-W-651.



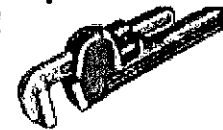
Straight Style



Offset Style

Value-Line Straight-Style Pipe Wrenches

These high-quality imported tools are the economical choice for general purpose use with pipe and fittings. All are made of steel, have I-beam shaped handles for strength, and heat-treated jaws for extended life. Meet Fed. Spec. GGG-W-651.



O'all Lg.	Jaw Cap.	Each	O'all Lg.	Jaw Cap.	Each
0"	1"	7358A11 \$8.42	14"	2"	7358A14 \$12.21
10"	1 1/2"	7358A12 8.21	18"	2 1/4"	7358A15 17.74
12"	2"	7358A13 10.21	24"	3"	7358A16 31.24

Monkey Wrenches

Also known as engineers' wrenches, these adjustable tools feature smooth, non-marring jaws. Made of chrome-plated forged steel.



O'all Lg.	Jaw Cap.	Each
9"	2 1/4"	5382A1 \$24.90
11"	3"	5382A2 29.44
15"	3 1/4"	5382A3 48.80
18"	4 1/2"	5382A4 59.35

Ridgid Self-Adjusting Pipe Wrenches

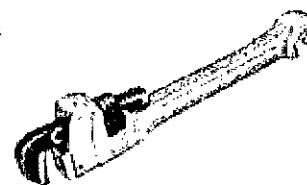
Spring-loaded, serrated jaws clamp down automatically for a snug fit on pipe and nuts. Great for tight spaces. Made of cast iron, except 5355A19 is aluminum. Jaws are forged steel.



O'all Lg.	Jaw Cap.	Each
10"	1 1/2"-1 3/4"	5355A14 \$22.99
14"	1 3/4"-2"	5355A16 28.32
18"	2"-2 1/4"	5355A19 56.74

Combination Pipe Wrench

Also known as an engineers' pipe wrench, this 3-in-1 tool combines a valve wheel wrench with a pipe wrench that has a flat face for use as a hammer. Ideal for refinery and chemical plant use, it supplies leverage to open stubborn hand-operated valve wheels. Handle is ductile iron; jaws are heat-treated forged alloy steel.



O'all Lg.	Pipe Wrench Jaw Capacity	Valve Wheel Wrench Opening	Each
9 1/2"	1"	1/2"	5142SA25 \$83.00

394-16

SUMMER SPECIALS **FREE DELIVERY!**
EXCEPT WHERE NOTED

Summer Specials

1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Air Compressors	15, 16
Air Hoses/Air Tools	17
Air Tools	18, 19, 20, 21, 22, 23
Battery/Battery Testing	24, 25, 26
Brakes/Front End	27, 28
Cleaning	29
Drivetrain/Faxing	30, 31, 32, 33, 34, 35, 36
Frame Machines	37
Generators	38
Gloves	39, 40, 41
Hand Tools	42, 43, 44, 45
Headlamp Alignment	46
Hoisting/Lifting/ATF	47, 48, 49, 50, 51, 52
Lighting	53, 54, 55, 56, 57
Oil/Lube	58, 59
PM Solutions	60
Power Tools	61, 62, 63, 64, 65, 66, 67, 68
PST/Cybertron	69, 70, 71, 72
Service Systems	73, 74, 75, 76, 77, 78
Shop Tools/Supplies	79, 80, 81, 82, 83, 84
Specialty Tools	85, 86, 87, 88, 89, 90
Tire/Wheel	91, 92, 93, 94, 95
Tool Storage	96, 97, 98, 99
Welding	100, 101, 102, 103
Work Benches	104, 105, 106, 107

NEW! SUPERKNIFE

The Ultimate Utility Knife
Features: 1-step blade change; just press the thumb stud to release, accepts standard or contractor grade utility knife blades, 1-piece blade holder to ensure the blade will be held tightly under pressure.

SPE 22-0052V \$9.99



Cuttin' Horse

Features: Zytel handle, 3.000" 440C Teflon coated steel blade, and measures 3.959" closed. Includes pocket clip.

SPE CHA00DLBCP \$9.99



LED/Xenon Flashlights

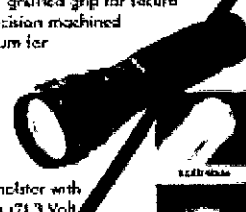
Galaxy 3 LED
Features up to 30 hours of continuous battery life, uses 2 included AA batteries, economical, durable, and compact, visible for over one mile, shatterproof LED diodes last over 110,000 hours, ideal for paths, maps, charts, and key locks.

SWN SW300BK \$14.99



Galaxy 9X Flashlight
Twin switch technology for fast, easy selection between Xenon and LED modes, gripped grip for secure grip, constructed of precision machined 6063 anodized aluminum for superior corrosion resistance and durability, Xenon bulb with 66 lumens for long range, focused beam, and includes deluxe Nylon holster with battery storage. Includes (2) 3 Volt Lithium batteries.

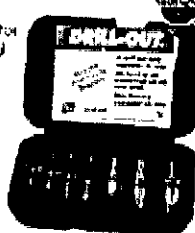
SWN SW900XWT \$33.95



DRILL-OUT® SET

Broken bolt and nut extractor set with a specially designed drill tip that will not walk or wander. Includes: #5, #6 or M3, #8 or M4, #10, #12 or #5, 1/4" or M6, 5/16" or M8, 3/8" or M10 and 1/2" or M12 bits.

11-00703 \$71.95



Wheel Battery Chargers/Starters

All CARQUEST Wheel Chargers feature Inteqrapack Battery - Quick or no Hold, "Set It and Forget It", 60" x 10" x 10" built-in, 1000 lbs. for longer life and are 12" high.

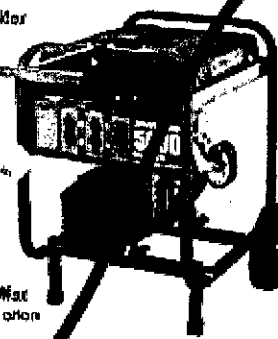
Shop-Duty Professional 225/230 10-2 Amp
Chargers 6 and 12 lbs. 11 amp. 1000 lbs. 205 Amp.

Portable Generators

5000 Watt - 6250 Watt Max
10-HP Tecumseh engine, 5 gal. tank. Outlets: (4) 120V (1) 120/240V locking.

Run Times 7.6 Hours (1/2 load)

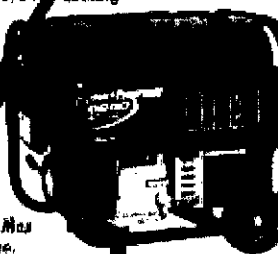
CLM PM0523317 \$689



5000 Watt - 6250 Watts Max
10-HP OHV Briggs & Stratton engine, 5 gal. tank. Outlets: (4) 120V (1) 120/240V Locking.

Run Times 12 Hours (1/2 load)

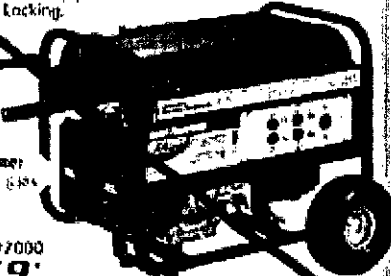
CLM PM0545000 \$765



7000 Watt - 8750 Watts Max
12-HP Honda GX engine, 8 gal. tank. Outlets: (4) 120V (1) 120/240V Locking.

Run Times 10 Hours (1/2 load)

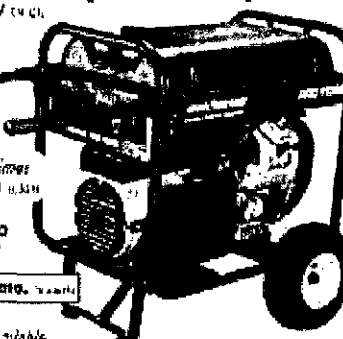
CLM PM0497000 \$1159



11,000 Watt - 13,750 Watts Max
20 HP GX V-Twin Honda engine, Electric start, 8 gal. tank. Outlets: (4) 120V (1) 120V (1) 120/240V Locking.

Run Times 7 Hours (1/2 load)

CLM PM0401100 \$2319



*CA Pricing Also Available.

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SEB Cash or Bank Credit for Other Needs
100% Financing - Low Monthly Payments
You Own the Equipment at Lease End

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CARQUEST offers monthly rates on more than 100 items for financing. Because of the 100% financing, customers may take advantage of competitive rates through CARQUEST lease. There is a \$1,000 minimum, but items can be financed in much smaller amounts. Items can be purchased by lease or financed with a lease-to-own plan. Terms are available from 24 through 60 months, depending on the item. All leases require 2 payments in advance to start lease. Terms and conditions may vary by location. Contact your CARQUEST Store for information or call LONDON Leasing at 1-800-691-7833.

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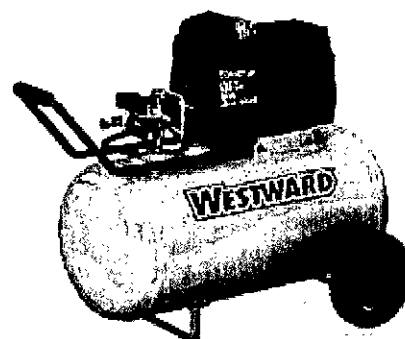
Item Details

Pneumatics & Hydraulics > Air Compressors and Vacuum Pumps > Portable Electric Air Compressors

Compressor, Air, 2.0 HP

Electric Oil Free Air Compressor, Running Motor HP 2.0, Direct Drive, Tank Capacity 20 Gallons, Rated ASME, Voltage @ 60 Hz 115, Current Drawn 15 Amps, Free Air Flow @ 90 PSI 5.8 CFM, @ 125 PSI 4.5 CFM, Maximum Pressure 135 PSI, Tank Type Horizontal, Outlet 1/4 Inch FNPT, Length 33 Inches, Height 31 Inches, Width 16 Inches

Grainger Item #	3JR71
Your Price (ea.)	\$269.00
Brand	WESTWARD
Mfr. Model #	3JR71
Ship Qty.	1
Sell Qty. (Will-Call)	1
Ship Weight (lbs.)	107.0
Usually Ships**	Today
Catalog Page No.	1433



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We Also Carry



Plug, Coupler, 1/4 In

 Grainger Item #: 2X169
 Your Price (ea.) \$1.03
 Brand: DYNAQUIP
 CONTROLS

Qty.

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Tech Specs	Additional Information	Notes & Restrictions	MSDS	Required Accessories	Optional Accessories	Alternate Products	Repair Parts
------------	------------------------	----------------------	------	----------------------	----------------------	--------------------	--------------

Item	Portable Air Compressor
Running Motor HP	2.0
Free Air CFM @ 90 PSI	5.8
Free Air CFM @ 125 PSI	4.5
Max. Pressure (PSI)	135
Voltage	115
Amps AC	15.0
Tank (Gal.)	20
Tank Type	Horizontal
(FNPT Outlet (In.)	1/4
Length (In.)	33
Width (In.)	16
Height (In.)	31

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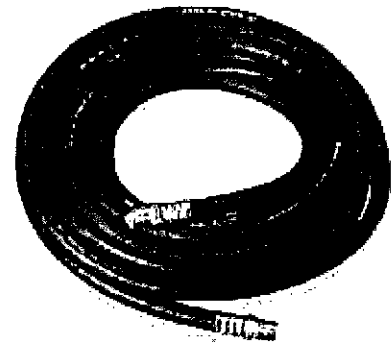
Item Details

[Pneumatics & Hydraulics](#) > [Hoses](#) > [Multipurpose Air Hose](#)

Hose, Air

General Duty Multi Purpose EPDM Air Hose, Inside Diameter 1/2 Inch, OD 0.787 Inch, Fitting Size 1/2 NPT, Maximum Pressure 200 PSI, Color Black, Length 25 Feet, Coupled Assembly

Grainger Item #	3JT73
Your Price (ea.)	\$21.03
Brand	SPEEDAIRE BY DAYTON
Mfr. Model #	56957512733901
Ship Qty. (?)	1
Sell Qty. (Will-Call) (?)	1
Ship Weight (lbs.)	4.8
Usually Ships** (?)	Today
Catalog Page No.	1558

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Plug, Coupler, 1/4 In

Grainger Item #: 2X169
Your Price (ea.) \$1.03
Brand: DYNAQUIP
CONTROLS

Qty.

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Tech Specs	Additional Information	Notes & Restrictions	MSDS	Required Accessories	Optional Accessories	Alternate Products	Repair Parts
Item	Air and Multipurpose Hose						
Type	Coupled Assembly						
Hose Inside Dia. (In.)	1/2						
Hose Length (Ft.)	25						
Fitting Size (In.)	1/2 MNPT						
Hose Outside Dia. (In.)	0.787						
Color	Black						
Max. Pressure (PSI)	200						
Temp. Range (F)	-20 to 180						
Safety Factor	4:1						
Cover Material	EPDM						

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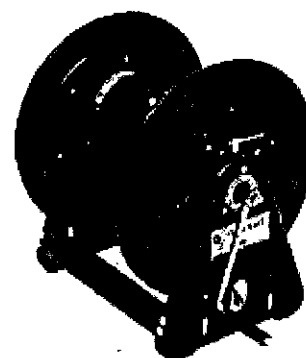
Item Details

Material Handling > Storage > Hose Reels

Reel,Hose,3000 PSI

Heavy Duty Hand Crank Hose Reel, Maximum Pressure 3000 PSI, 1/2 Inch Swivel Inlet, 20 1/4 x 25 x 17 3/4 Inches, 300 Feet Hose Capacity @ 3/8 Inch Inner Diameter

Grainger Item #	4Z934
Your Price (ea.)	\$227.50
Brand	REELCRAFT
Mfr. Model #	CA32112M1
Ship Qty. (?)	1
Sell Qty. (Will-Call) (?)	1
Ship Weight (lbs.)	49.3
Usually Ships** (?)	Today
Catalog Page No.	1550


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MUFFLER,EXHAUST

 Grainger Item #: 1A326
 Your Price (ea.) \$2.08
 Brand: SPEEDAIRE BY DAYTON

Qty.

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Tech Specs	Additional Information	Notes & Restrictions	MSDS	Required Accessories	Optional Accessories	Alternate Products	Repair Parts
---------------	---------------------------	-------------------------	------	-------------------------	-------------------------	-----------------------	-----------------

There are currently no alternate products for this item.

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Host,Chain,1/2 Ton

 Grainger Item #: 1VW53
 Your Price (ea.) \$274.00
 Brand: DAYTON


Gauge,Vacuum,30 In Hg

 Grainger Item #: 2C537
 Your Price (ea.) \$9.06
 Brand: ASHCROFT


LINER,WINTER,QUILTED

 Grainger Item #: 3E663
 Your Price (ea.) \$3.97
 Brand: CONDOR


Mop,Wet,24 Oz,Natural

 Grainger Item #: 3U020
 Your Price (ea.) \$5.98
 Brand: ABCO PRODUCTS

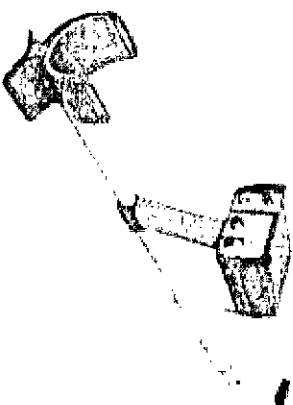
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Order line and info 1-800-301-6151 or (408) 248-1233

• Fisher Metal Detectors
Oldest Name In Business, Since 1931

• Fisher M-97 Valve Box Locator



M-97 with 8 inch coil : Retail price is \$575 A&S Price: Please Call 1-800-301-6151

The Fisher M-97 is specially designed for finding buried or paved over valves, boxes, or manhole covers, or any other concealed metallic object. It also locates targets made of aluminum, brass and lead. The M-97 features push button tuning allowing the user to quickly and easily maintain optimum sensitivity for easy pinpointing of buried metallic objects. Plus, the M-97 offers auto-tune circuitry and a waterproof search coil. New to the M series is the ease with which the M-97 can be stored. Just compact the lower stem, twist the search coil 90 degrees, and fold the search coil flat. The M-97 fits easily into the optional carrying case. In the Fisher tradition, the M-97 is affordable, tough, and simple to use while providing maximum performance. A two year limited warranty comes standard with the unit.

M-97 VALVE, PEDESTAL & BOX LOCATOR

The Fisher M-97 is specially designed for finding buried or paved over valves, boxes, or manhole covers, or any other concealed metallic object. It also locates targets made of aluminum, brass and lead.

The M-97 features push button tuning allowing the user to quickly and easily maintain optimum sensitivity for easy pinpointing of buried metallic objects. Plus, the M-97 offers auto-tune circuitry and a waterproof search coil. New to the M series is the ease with which the M-97 can be stored. Just compact the lower stem, twist the search coil 90 degrees, and fold the search coil flat. The M-97 fits easily into the optional

394-20



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Laser Distance Meters

Gas Leak Detectors

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Product Name+	Model	Buy Now	Price
Combustible Gas Detector Pen-Style (PNG2000) with Pocket Clip & Wrist Strap	PNG2000	0 Qty Discounts	\$129.95 \$99.00
Combustible Gas Leak Detector (CD100A) with 18" Goose Neck Sensor and Ruggedized Housing	CD100A	0 Qty Discounts	\$239.95 \$172.55
Combustible Gas Leak Detector (CD200) with 18" Goose Neck Sensor, Adjustable Alarm & Hard Case	CD200	0 Qty Discounts	\$299.95 \$233.55
Combustible Gas Leak Detector (NGD268) with 12" Goose Neck Sensor and Built-In Battery Charger	NGD268	0 Qty Discounts	\$249.95
Compact Portable Gas Detector with Digital Display (DNGD168) with Built-In Battery Charger	DNGD168	0 Qty Discounts	\$349.00
Methane (natural gas), Butane & Propane Gas Detector (HS80501) 110vAC Plug-in Unit	HS80501	0 Qty Discounts	\$47.95 \$39.99
Methane, Propane and Carbon Monoxide Detector (HS80504) 110vAC Plug-in Unit	HS80504	0 Qty Discounts	\$65.95 \$58.75
Mini Digital Combustible Gas Detector (PNGD170) and CO Alarm with Belt Clip, Charger & Alarms	PNGD170	0 Qty Discounts	\$519.95 \$399.75
Refrigerant Gas Leak Detector (RLD1) with Hard Case	RLD1	0	\$327.55 \$279.77
Refrigerant Gas Leak Detector Pen-Style (PRL3000) with Pocket Clip	PRL3000	0	\$99.00
Ultrasonic Leak Detector (ULD500) with Headphones	ULD500	0	\$327.55 \$279.95
UV Light Leak Detector (53512) with Safety Goggles	53512	0	\$59.95 \$49.55

Displaying 1 to 12 (of 12 products)

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2006 Fall Product Guide

The products you need to keep your facility running this Fall are here.

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Please select at least 2 items for comparison (use the check boxes to select items).

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Sort Table By: Default

Item #	Qty.	Notes	Description	Brand Mfr. Model #	Ship Qty.	Usually Ships**	Your Price	Catalog 397 Page
☐ 4Z909			Heavy Duty Bench Grinder, Wheel Diameter 8 Inches, Power Rating 3/4 HP, Maximum Speed 3450 RPM, Arbor Wheel 5/8 Inch, Current Rating 7 Amps, Single Phase	DAYTON 4Z909C	1	Today	\$204.25	327
☐ 7E985		Discontinued	Grinder Combo 5a725 4z909 4x868 4z154 6z851 Combo	APPROVED VENDOR MULTIPLE	1	Discontinued	N/A	N/A

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Note: Items with Notes & Restrictions are marked with

* Grainger product may not be exact match

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Hose, Air

 Grainger Item #: 62787
 Your Price (ea.) \$24.03
 Brand: SPEEDAIRE BY DAYTON

Qty.

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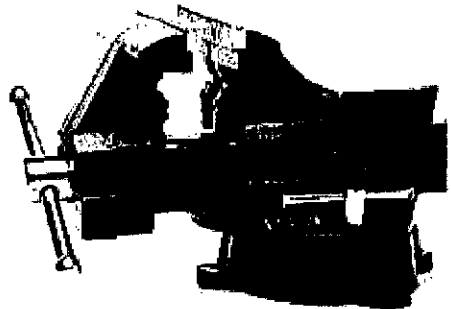
Item Details

Tools, Outdoor Equipment & Auto Shop > Vises > Vises

VISE, BENCH

 Bench Vise, Jaw Width 6 1/2 Inches, Maximum Opening 5 1/2 Inches, Throat Depth 3 11/16 Inches,
 Pipe Capacity 1/8 to 2 1/2 Inches, Utility Workshop

Grainger Item #	4TK29
Your Price (ea.)	\$109.95
Brand	WILTON
Mfr. Model #	676
Ship Qty. ☐	1
Sell Qty. (Will-Call) ☐	1
Ship Weight (lbs.)	41.9
Usually Ships** ☐	Today
Catalog Page No.	1164



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Compare Alternates

Tech Specs	Additional Information	Notes & Restrictions	MSDS	Required Accessories	Optional Accessories	Alternate Products	Repair Parts
Type				Utility Workshop			
Jaw Width (In.)				6 1/2			
Throat Depth (In.)				3 13/16			
Pipe Capacity (In.)				1/8 to 2 1/2			
Base				180 Degrees Swivel			
Jaw Material				Replaceable, Scratched Hardened Steel for a Tight Grip			

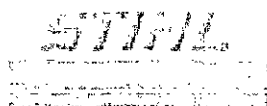
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MS 270 STIHL WOOD BOSS® Chain Saw

STIHL® Wood Boss®



This mid-sized saw is excellent for firewood cutters. Standard features include a heavy-duty air filter as well as an advanced anti-vibration system to help reduce operator fatigue.

Standard Features

- Advanced anti-vibration system
- Toolless fuel and oil caps with retainers
- Carburetor preheat shutter for summer/winter operation
- IntelliCarb™ compensating carburetor
- MS 270 is 1.3 lbs. less than the MS 290
- [Click to view the standard features that are common to many Stihl chain saws](#)

CHAIN SAW MODELS:

MS 390

#440.-

MS 270 STIHL WOOD BOSS® Chain Saw

DISPLACEMENT	50.0 cc (3.05 cu. in.)
ENGINE POWER	2.5 kW (3.4 bhp)
WEIGHT (Powerhead only)	5.3 kg (11.7 lbs.)
FUEL CAPACITY	520 cc (17.6 oz.)
CHAIN OIL CAPACITY	280 cc (9.5 oz.)
OILOMATIC® CHAIN	.325" RM2 or .325" RMC3
GUIDE BARS AVAILABLE	40 to 45 cm (16" to 18")

STIHL recommends #3634 (26 RMC3-67) OILOMATIC® saw chain and 16" 3003-000-6613 Ematic™ guide bar combination..

An exceptionally smooth running mid-sized chain saw.



Chain Saw
Features



Chain Saw
Accessories



Chain Saw
Protective Apparel



Chain/Guide Bar
Replacement



Comparison
Chart



STIHL Limited
Warranty

IMPORTANT INFORMATION

WARNING! The occurrence called "kickback" can cause serious or fatal injury. Always read the owner's manual before using your saw. STIHL has developed a color code system using green and yellow to help you select a powerhead, bar and chain combination that complies with the kickback requirements of ANSI Standards B 175.1. Your owner's manual contains safe operating procedures and advantages of using the STIHL Quickstop® chain brake, STIHL reduced kickback bars and STIHL low kickback chains.

STIHL recommends the use of green reduced kickback bars and green low kickback chains on all STIHL chain saws.

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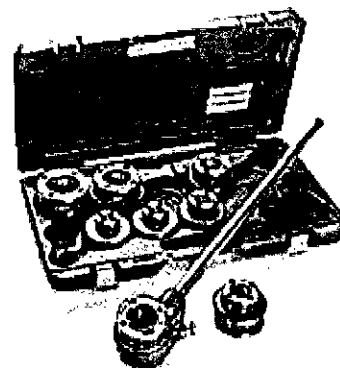
Item Details

Tools, Outdoor Equipment & Auto Shop > Pipe Threading Equipment > Pipe Threaders

Pipe Thread Ratchet

Exposed Pipe Thread Ratchet, Threader Set, With Handle and Dies, 1/2-2 Inches Capacity

Grainger Item #	4A508
Your Price (ea.)	\$632.00
Brand	RIDGID
Mfr. Model #	12-R
Ship Qty. (?)	1
Sell Qty. (Will-Call) (?)	1
Ship Weight (lbs.)	34.1
Usually Ships** (?)	Today
Catalog Page No.	1126

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We Also Carry



Cutter, Pipe

 Grainger Item #: 4A506
 Your Price (ea.) \$133.95
 Brand: RIDGID

Qty.

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Tech Specs	Additional Information	Notes & Restrictions	MSDS	Required Accessories	Optional Accessories	Alternate Products	Repair Parts
------------	------------------------	----------------------	------	----------------------	----------------------	--------------------	--------------

Item	Exposed Ratchet Threader Set
Capacity	1/2, 3/4, 1, 1 1/4, 1 1/2 and 2 Inches NPT
Includes	6 Die Heads, Ratchet and Handle

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We Also Carry



Reamer, Straight Pipe

Grainger Item #: 1A312



Wrench, Straight Pipe

Grainger Item #: 6A553



Wrench, Straight Pipe

Grainger Item #: 6A553

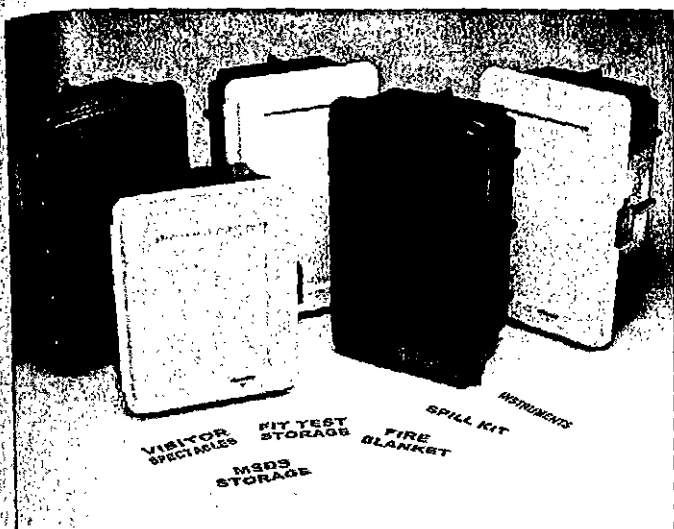


HANDY ROLL, 150' LENGTH

Grainger Item #: 2D743

394-26

Storage Safety



Wall Cases

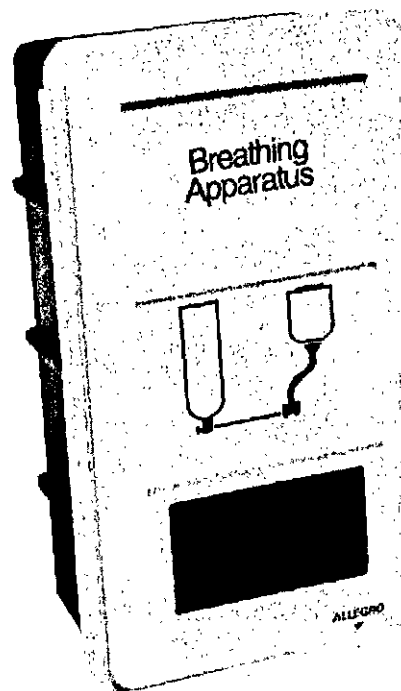
- 16-label kit included
- Corrosion-resistant

These cases are made from rugged ABS plastic. A rubber door seal keeps out dust and moisture to protect the door hinges and your stored equipment. Mount one outside for your operators to store items such as gloves, flashlights or clipboards and paperwork. Ultraviolet inhibitors have been added to protect it during use outside.

You can customize the case with one of the 16 adhesive labels included with each case. The label kit titles include: BioSafety Products, Fire Blanket, Hearing Protection, Hand Protection, Maintenance Supplies, Safety Documents, MSDS, Personal Protection Equipment (PPE), Respirator Fit Test Equipment, Instruments, Respirator Storage, Disposable Respirators, Lockout/Tagout, Safety Glasses, Visitor Specs, Spill Kit, First Aid.

All cases include a custom label kit and one shelf. Mounting hardware is not included.

COLOR	EXTERIOR DIMENSIONS	INTERIOR DIMENSIONS	STOCK #	EACH
White	14"W x 18"H x 9 1/2"D	12"W x 16"H x 7 1/2"D	71502	\$ 89.05
White	14"W x 21"H x 9 1/2"D	12"W x 19"H x 7 1/2"D	71503	94.53
White	14"W x 21"H x 9 1/2"D	12"W x 19"H x 7 1/2"D	71504	94.53
White	14"W x 21"H x 9 1/2"D	12"W x 19"H x 7 1/2"D	71505	94.53
White	14"W x 21"H x 9 1/2"D	12"W x 19"H x 7 1/2"D	71506	94.53
Replacement Shelf			71507	9.95
Replacement Label Kit			71508	5.50



x 2

Universal SCBA Wall Case

This wall case protects SCBA's against damage from plant environments. It is made of corrosion resistant ABS with ultraviolet inhibitors. Non-metallic hinge and latches prevent rust while a rubber door seal protects equipment from dust and moisture. Comes complete with window, graphics shelf and bracket. Inside dimensions are 12"W x 17"L x 7-1/2"D.

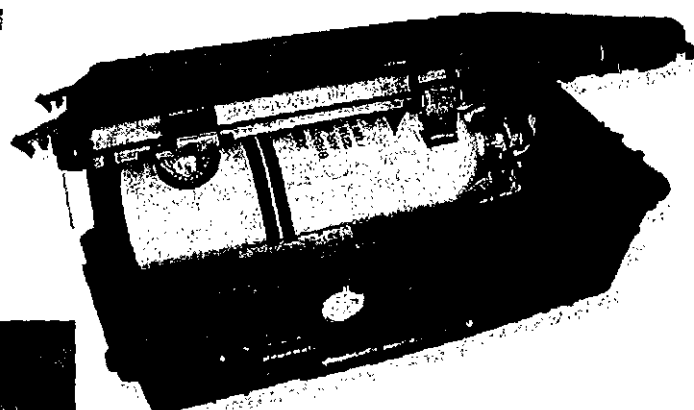
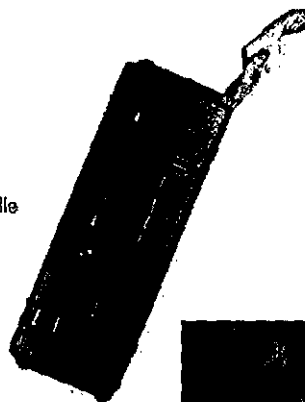
Universal Wall Case 71464 \$ 233.33

Universal SCBA Carrying Case with Wheels

Most SCBA's manufactured by Pelican

This heavy-duty case is perfect for storing SCBA between uses. The built-in handle and wheels also make it easy to transport SCBA to job sites. Case has a lifetime warranty and is watertight to 30 ft. Each case has pick-and-pluck foam so you can configure your case however you want. The way the factory says it. Inside dimensions are 12 1/2" L x 10 1/2" D.

SCBA Case 42702 \$ 182.14



Case with integral wheel design

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Grease Gun Specialty (Tools)

Item	Part No.	Unit Price	Available Store
 Great Neck 3 Pc Grease Gun Set	25891	\$15.99	1 Add to List

Store Availability

- ✓ **Normal Stock** - This item is normally stocked at your local AutoZone.
- 1) **Special Order** - This item isn't normally stocked at your local store. Contact your local AutoZone for ordering information. Shipping charges may apply.
- X **Not Available** - Temporarily unavailable. Please check back soon.

Online Availability

- ✓ **Normal Stock** - Ships within Days.
- 1) **Special Order** - Ships within Days.
- X **Not Available** - Temporarily online. Please check back soon.

Unless otherwise noted, this product comes with AutoZone's standard warranty. Core value core charge for a part. Total price is equal to unit price plus core value multiplied by quantity.

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Heavy-Duty Pipe Cutters
Fast, clean pipe cutting by hand or power. Extralong shank protects adjustment threads, while an extra-large handle is provided for quick, easy adjustment. Can be converted to 3-wheel cutter by replacing rollers with cutter wheel, or the 2A and 4S can be ordered as 3-wheel model for use in areas where a complete turn is not possible.

Specs Close Up

Pkg Qty:

1

All items NEW and NOT refurbished unless otherwise indicated

Weight:

7.15 lbs

69982 Rigid \$405.64 Add to cart	39555 Rigid \$59.05 Add to cart	37895 Rigid \$77.39 Add to cart	37405 Rigid \$99.04 Add to cart
53100	10883	41855	42950

394-29

~~Larin 3 Ton Hydraulic Floor Jack GJ-6000 \$39.99 ✓ [Add to List](#)~~



~~Larin 4 Ton Bottle Jack BJ-4 \$15.99 ✓ [Add to List](#)~~



Larin 4 Ton Jack Stands JS-4 \$24.99 ✓ [Add to List](#)



~~Larin 5000 Lbs Floor Jack DQY-5001 \$34.99 ✓ [Add to List](#)~~



~~Larin 6 Ton Hydraulic Bottle Jack BJC-6 \$21.99 ✓ [Add to List](#)~~



~~Larin 6 Ton Jack Stands JS-6 \$39.99 ✓ [Add to List](#)~~



~~Larin Aluminum Frame Racing Jack ASJ-2.5 \$49.98 ✓ [Add to List](#)~~



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~~Test Rite Products Corp 2 Ton Jack kit AG02855G \$29.99 ✓ [Add to List](#)~~

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Item Details

Tools, Outdoor Equipment & Auto Shop > Maintenance Tools > Battery Chargers and Boosters

Charger, Battery

Battery Charger, Charge Time for 12V Battery 1/2-3/4 Hours, Charge Time for 6V Battery 1/2-1 Hours, Manual (M) or Automatic (A) 6/12 Volts, UL Rated Current @ 12V 0 to 60 Amps, UL Rated Current @ 6V 0 to 60 Amps, UL Rated Starting Current 250 Amps, Battery Capacity 12 Amp Hour, Overall Height 33 Inches, Overall Width 16 1/4 Inches, Overall Depth 14 Inches

Grainger Item #	3LE84
Your Price (ea.)	\$447.25
Brand	DAYTON
Mfr. Model #	3LE84N
Ship Qty. ☐	1
Sell Qty. (Will-Call) ☐	1
Ship Weight (lbs.)	48.0
Usually Ships** ☐	Today
Catalog Page No.	1280 ☐

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We Also Carry



GLOVE, LEATHER, XL, PR

 Grainger Item #: 1GD12
 Your Price (pr.) \$5.98
 Brand: CONDOR

Qty.

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Tech Specs	Additional Information	Notes & Restrictions	MSDS	Required Accessories	Optional Accessories	Alternate Products	Repair Parts
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Item	Battery Charger and Engine Starter
Type	Manual to Automatic with Test
UL Rated Amps 6V	0 to 60
UL Rated Amps 12V	0 to 60
UL Rated Amps Start	250
Amp Hours	12
Taper to Amps	0
Manual (M)/Automatic (A)	6/12V (M) to (A)
Charge Time (Hours) 6V	1/2 - 1
Charge Time (Hours) 12V	1/2 - 1
AC Cord	6 Feet (1.82 meters), 3 Conductor
Input (Amps)	12
Overall Width (In.)	16 1/4
Overall Height (In.)	33
Overall Depth (In.)	14
Application	For Heavy Duty Use in Service Stations, Maintenance Shops, Farms and Fleets

394-31

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Tools & Equipment

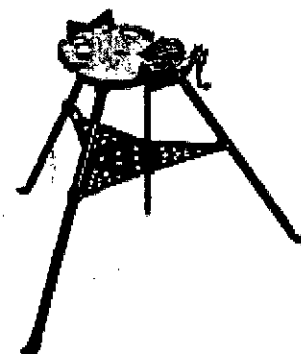
Item Details

[Tools, Outdoor Equipment & Auto Shop](#) > [Plumbing Equipment](#) > [Pipe Stands and Vises](#)

Pipe Tristand Vise

Pipe Tristand Vise, 1/8-6 Inches Capacity, Fold Up

Grainger Item #	4VX15
Your Price (ea.)	\$426.50
Brand	RIDGID
Mfr. Model #	460
Ship Qty. ?	1
Sell Qty. (Will-Call) ?	1
Ship Weight (lbs.)	48.0
Usually Ships** ?	Today
Catalog Page No.	1128 ?

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We Also Carry



Pipe Adjustable Stand

Grainger Item #: 4CX07
Your Price (ea.) \$75.80
Brand: RIDGID

Qty.

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Qty.

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Tech Specs	Additional Information	Notes & Restrictions	MSDS	Required Accessories	Optional Accessories	Alternate Products	Repair Parts
Item	Portable Chain Vise						
Pipe Capacity (In.)	1/8 To 6						
Lag Type	Folding						
Features	Rear Pipe Support, 3 Pipe Benders, Receding Ceiling Brace Screw, Slots for Hanging Tools						

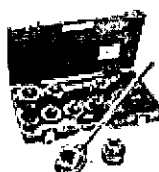
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We Also Carry



Pipe Threading Hand



Pipe Threading Foot



Pipe Threading Head



Roller Head Pipe Stand

394-32

PlantPRO® Engine Driven Pumps

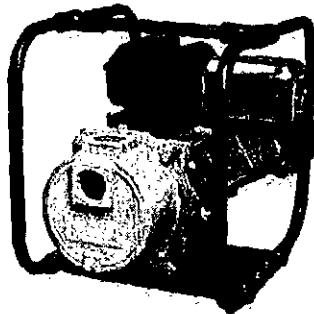
PlantPRO® engine driven trash & centrifugal pumps represent an outstanding value in quality, performance & price. From 1" to 4" and 2 hp to 16 hp, you will find a pump that meets your needs and spares your budget.

PlantPRO® 2" Trash Pumps

- Cast iron construction
- 1" solids handling
- Flows to 10,800 gph
- Removable volute for easy cleanout

The PlantPRO® 2" trash pumps offer true trash handling capability at a modest price. Choose from the economical B&S 15 hp, or the durable & quiet B&S Industrial Plus* 5 hp engine.

Model kit can be installed in field. Hose adapters & strainer are included. See our Hose section for suction & discharge hoses, quick connect adapters and other hose accessories.



HP	ENGINE	WT (LBS)	STOCK #	EACH
15	B&S	76	72440	\$ 451.50
15	B&S Intek	110	72442	674.24
5	Honda	104	72441	881.33
5	Ind. Plus*	72480		76.45

SHIPS MOTOR FREIGHT

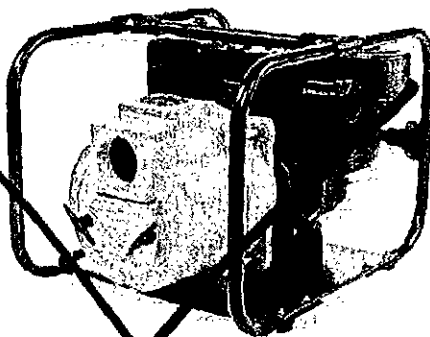
* Electric start models.

PlantPRO® 3" Trash Pumps

- Cast aluminum construction
- Quick release motor housing
- Flows to 20,880 gph
- Cast iron replaceable wear parts
- Handles 1.5" solids

The PlantPRO® 3" trash pump is a quality and economical addition to your pumping arsenal. Featuring heavy-duty, sand-cast aluminum housing with replaceable cast iron wear parts, heavy-duty seals and clog resistant impeller, this pump self primes to 20'.

Choose from the 8 hp B&S Industrial Plus* engine or the 9 hp Honda. Model kit can be installed in field. Hose adapters & strainer are included. See our Hose section for suction & discharge hoses, quick connect adapters and other hose accessories.



HP	ENGINE	WT (LBS)	STOCK #	EACH
8	B&S	143	72446	\$ 1,078.78
8	B&S Intek	174	72447	1,179.92
9	Honda	163	72448	1,276.24
9	Ind. Plus*	185	72449	1,468.88
			72460	78.45

SHIPS MOTOR FREIGHT

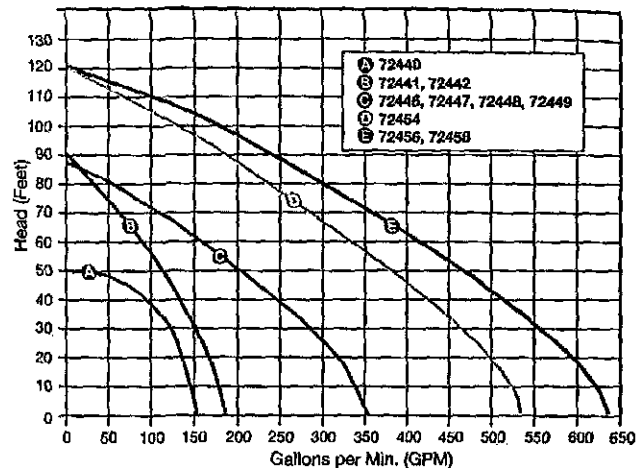
* Electric start models.

Conversion
Factor

$\frac{\text{Ft. of Head}}{2.31} = \text{psi}$

7-889-3030

Phone 1-800-548-1234

**PlantPRO® 4" Trash Pumps**

- Heavy-duty cast aluminum
- Cast iron wear parts
- Dolly with 16" wheels included
- Economy 13 hp or premium 16 hp models
- Handle 2" solids

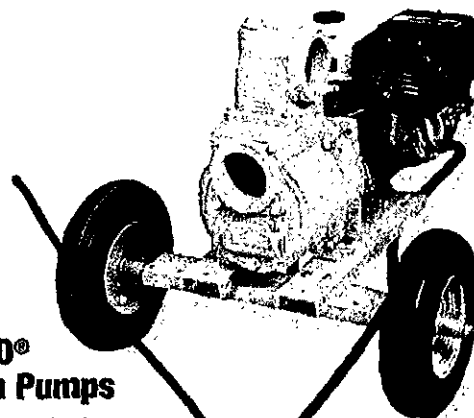
With PlantPRO® 4" trash pumps you have a choice between an economical 13 hp B&S I/P* recoil start or a premium pump with an electric start B&S Vanguard OHV engine. Both pumps will handle 2" solids and are mounted on a dolly with 16" ball-bearing wheels. Flows to 31,800 gph (13 hp) and 37,800 gph (16 hp) can handle pumping tasks from main breaks to sewer bypass.

Hose adapters & strainer are included. See our Hose section for suction & discharge hoses, quick connect adapters and other hose accessories.

HP	ENGINE	WT (LBS)	STOCK #	EACH
13	B&S Vanguard	238	72454	\$ 1,736.77
13	Honda*	299	72456	2,686.12
16	B&S Vanguard	294	72458	2,806.52

SHIPS MOTOR FREIGHT

* Electric start models, battery not included.

**PlantPRO®**

394-33

NEW!

Goulds Model 1DW Submersible Effluent Pumps

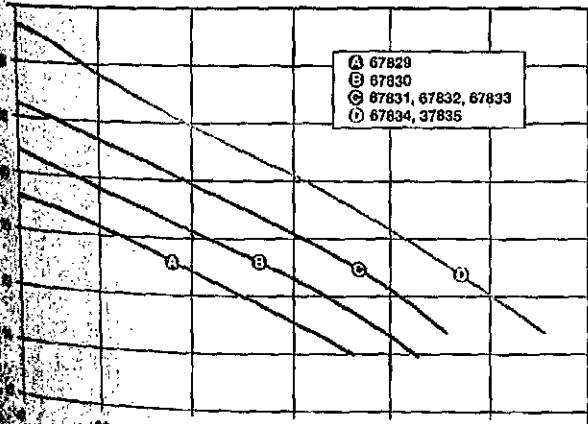
- 304 stainless steel construction
- Designed for continuous duty
- Can handle up to 3/8" spherical solids

Goulds 1DW series 1-1/2" submersible dewatering pumps are built tough for long life - excellent for gray water applications. All stainless steel housing with stainless steel impeller, mounted on a stainless steel shaft. Upper and lower bearings are heavy-duty ball bearings. Silicon carbide seals are standard on all models. Available in sizes from 1/3 hp to 1 hp. Built in thermal overload protection on all single phase models. Check out the curves below and see which best fits your needs.



See Level & Pressure section for a selection of float switches and control panels

- Pump type:** submersible dewatering pump
- Max temp:** 104°F max
- Solids handling:** 3/8" spherical max
- Construction:** 304SS housing, volute & impeller, SS shaft & fittings
- Impeller:** open w/back pump out vanes, dynamically balanced
- Bearings:** upper & lower single-row ball, oil lubricated
- Seal:** single mechanical silicon carbide, Buna-N elastomers
- Discharge:** top 1-1/2" vertical NPT (F)
- Motor:** oil-filled (single and 3 ph); capacitor start, thermal overload protection (single ph only)
- Power cord:** 20-ft with molded plug (single ph); bareleads (3 ph)
- Agency listings:** UL, CSA, ISO 9001 registered



Model	HP	VOLT	PH	AMP	WT (LBS)	STOCK #	EACH
67829	1/3	115	1	8.6	29	67829	\$ 462.00
67830	1/2	115	1	5.5	32	67830	543.00
67831	3/4	230	1	7.1	38	67831	579.00
67832	1	230	3	4.8	33	67832	558.75
67833	1.5	460	3	2.4	33	67833	558.75
67834	2	230	3	6.2	37	67834	631.50
37835	3	460	3	3.1	37	67835	631.50

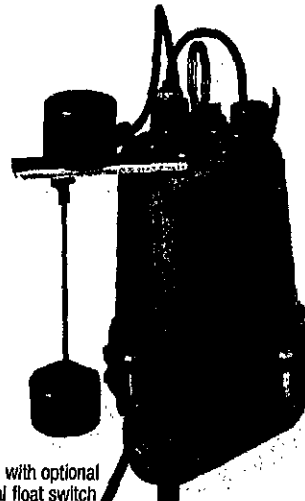
Conversion Factor	Fl. of Head	= psi
	2.31	

Submersible Effluent Pumps

Barnes BP314/324 Series Effluent Pumps

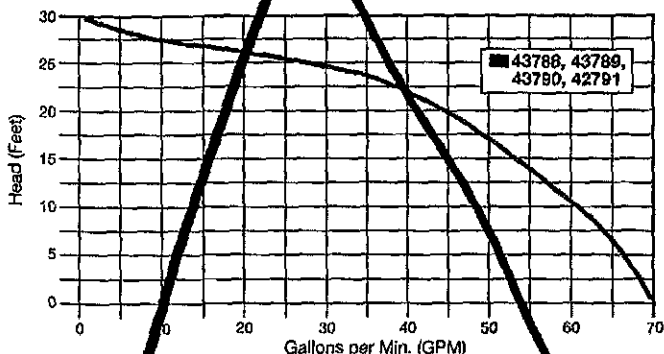
- Handles 3/4" solids
- Continuous-duty motor

Barnes BP314/324 series effluent pumps are built to last with upper & lower ball bearings, continuous-duty motor, mechanical seal, cast iron housing and stainless steel hardware. Choose from 115 or 230-volt models with or without automatic float switch feature. Automatic models use a vertical, snap-action float with 15-ft cord and piggyback plug. See our Level section for compatible float switches and control panels.



Shown with optional vertical float switch

- Pump type:** submersible effluent
- Solids handling:** 3/4" spherical
- Construction:** cast iron housing, polypropylene impeller, stainless steel shaft & fittings, Buna-N
- Impeller:** 2-vane open, dynamically balanced with stainless steel insert
- Bearings:** upper & lower single-row ball, oil lubricated
- Seal:** single mechanical carbon/ceramic in oil
- Motor:** permanent split capacitor, oil-filled, thermal overload, 1750 rpm
- Max liquid temp:** (BP314) 77°F continuous; (BP324) 104°F continuous
- Discharge:** 2" vertical NPT (F)
- Power cord:** 15-ft quick disconnect



MODEL	HP	VOLTS	PH	AMPS	TYPE	WT (LBS)	STOCK #	EACH
BP314	1/3	115	1	8	Manual	53	43781	\$ 370.60
BP314VF	1/3	115	1	8	Auto	53	43790	360.60
BP324	1/2	230	1	4	Manual	53	43789	337.60
BP324AU	1/2	230	1	4	Auto	53	43788	337.20

See

Page 905

for a selection of
**Pump Basins and
 Accessories**

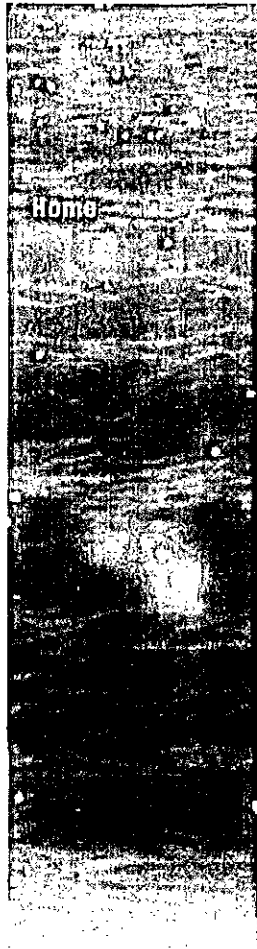


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Partner K700 14" Cutoff Saw

[Accessory: 71392](#)[Accessory: 71390](#)

Stock #: 71389

[Accessory: 71391](#)[Catalog #117 Page 1131 \(PDF\)](#)[View Safety
Data/MSDS](#)

\$ 1023.35 EA

Catalog Price:
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Specs](#)

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Page for product details & alternatives.[Order Page](#)**Notes:****Partner Active III Cut-Off Saws****Lighter weight, more power****Active air filtration system****Easy start**

Partners K650 and K700 power cut-off saws incorporate all of the features that operators have requested. Lightweight ergonomic design and a powerful 4.5 hp 2-cycle engine with decompression valve for 50% easier starting make this tool a dream to operate in tight places. For convenience, the 0.70-gallon fuel tank has a sight level indicator for checking fuel level instantly, and the cutting arm is reversible from center to offset positioning for closer cuts next to walls.

Cut-off saws operate under harsh conditions, and Partner saws are designed to maximize protection to the internal components. The engine is protected with a 3-stage air filtration system that increases filter life 4 to 8 times. The first stage utilizes the centrifugal force from the cooling fan to separate up to 80% of the dust particles. In the second stage the intake air passes through three layers of oil-impregnated plastic foam. The final stage is a pleated paper filter that provides additional assurance that

394-35



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OWZ-Stand	Case of 10) Telescopic - Folding Sign Stand for Rigid Signs - Works with 36" x36" and 48" x48" Signs	\$1,650.00	1

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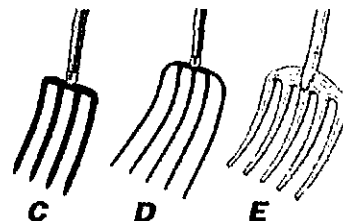
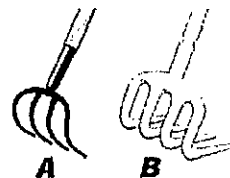
Landscaping Tools & Weed Control

Hooks and Forks

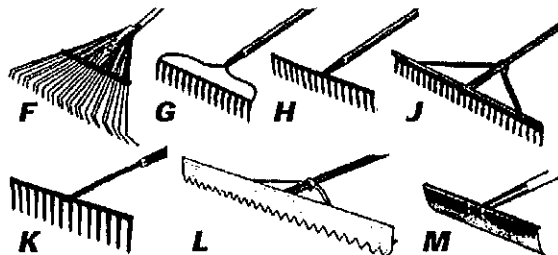
Style A—The bent tines are perfect for cultivating as well as handling garbage.
Styles B and E—These food-grade tools meet USDA and FDA standards for use in food-processing, meat-packing, and dairy plants. They're lightweight, nonsparking, and resistant to chemicals and corrosion. Color is white.
Style C—Furnished with thick, pointed tines for digging.
Style D—The choice for lifting and pitching, these forks have long, thin tines.

No.	Lg.	Tine Spacing	O'all Wd.	Style	Material	Lg.	Dia.	Each
(A) Cultivating/Refuse Hooks with Steel Tines								
4	5"	1 1/2"	5"	Straight	Wood	54"	1 1/8"	6246A13 \$33.70
4	6 1/2"	1 3/4"	6"	Straight	Wood	54"	1 1/8"	6246A12 27.30
4	9"	2 1/2"	8 1/2"	Straight	Wood	60"	1 1/8"	6246A11 51.70
(B) Hygienic Hook with Polypropylene Tines								
4	7"	1 1/8"	7 1/2"	Straight	Fiberglass	51"	1 1/8"	4506T41 50.25
(C) Digging Fork with Steel Tines								
4	11 1/2"	2 1/4"	7 1/8"	D	Wood	30"	1 1/2"	6363A12 42.20
(D) Bulk-Material Forks with Steel Tines								
4	12 1/2"	3"	9"	Straight	Wood	48"	1 1/2"	6231A1 51.19
5	12 1/2"	2 1/4"	10"	Straight	Wood	54"	1 1/2"	6231A5 56.74
6	12 1/2"	2"	10"	Straight	Wood	48"	1 1/2"	6231A7 44.95
10	13 1/2"	1"	10"	D	Wood	30"	1 1/2"	6236A3 104.80
12	16"	1 1/2"	15 1/4"	D	Wood	30"	1 1/2"	6234A2 115.20
(E) Hygienic Fork with Polypropylene Tines								
5	10 1/2"	1 1/8"	10 1/4"	D	Polypropylene	38"	1 1/4"	4506T42 80.28

• Length listed is after the bend. Length before the bend is 4".



Rakes



F Lawn/Leaf Rakes—Flexible steel tines make it easy to collect light-weight materials such as leaves and lawn clippings.

G Bow Rake—This traditional garden rake has curved tines.

H Straight Rake—In addition to the slightly curved tines, this rake has a straight top grading edge for spreading and leveling materials.

J Landscape Rakes—These sturdy, lightweight rakes have an angled grading edge on one side and rounded tines on the other for smooth raking action.

K Asphalt Rake with Steel Tines—To protect the wood handle from hot tar, this asphalt rake has an 18" long steel shank that connects the blade to the handle.

L Asphalt Rake with Aluminum Tines—Also known as a lute rake, this rake has one serrated edge and one smooth edge for leveling and finishing asphalt.

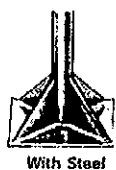
M Concrete Rake—With its solid blade, this rake is designed for spreading and leveling freshly poured concrete.

Blade		No. of Tines	Handle		Each
Material	Wd. Ht.		Material	Lg. Dia.	
F...Steel	8" 12"	9	Steel	48" 1 1/8"	7142T18 \$8.57
F...Steel	24" 17 1/2"	24	Wood	54" 1 1/8"	7142T14 12.69
G...Steel	16" 3 1/4"	15	Wood	60" 1 1/8"	7500T2 28.24
H...Steel	17" 3 1/4"	16	Wood	66" 1 1/8"	7500T4 33.87
J...Aluminum	24" 4 1/8"	24	Aluminum	66" 1 1/8"	7058T1 42.85
J...Aluminum	36" 4 1/8"	36	Aluminum	66" 1 1/8"	7058T3 50.81
J...Aluminum	48" 4 1/8"	48	Aluminum	66" 1 1/8"	7058T5 58.75
K...Steel	16" 4"	14	Wood	60" 1 1/2"	6245A1 65.00
L...Aluminum	36" 3 1/8"	24	Aluminum	82" 1 1/8"	6323A19 47.62
M...Steel	20" 4"	—	Wood	60" 1 1/2"	6324A21 30.52

Tampers

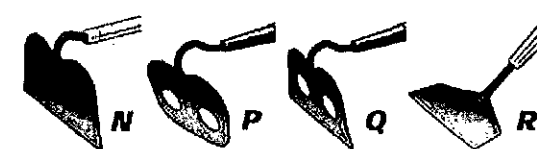
Use these tools to flatten or firmly pack down soil, sand, asphalt, and more. Both have a steel base and straight handle.

Base Size	Handle Lg.	Dia.	Each
With Wood Handle			
10" x 10"	42"	1 1/2"	6301A2 \$33.78
With Steel Handle			
10" x 10"	44"	1 1/4"	6263A22 34.65



McMASTER-CARR

Hoes



All have a steel blade and straight wood handle.

N Standard Hoe—Furnished with a solid blade.

P&Q Mixing Hoes—Holes in the blade allow materials to flow through making it easy to mix mortar, concrete, plaster, and other similar products. **Style P** has a short handle for use in tight spaces.

R Scraper/Hoe—Also known as a scuffle hoe, this hoe has a solid, angled blade that you push or pull along a flat surface for cutting and scraping.

	Blade		Handle		Each
	Wd.	Ht.	Lg.	Dia.	
(N) Standard Hoe	10"	6"	66"	1 1/2"	6267A5 \$49.25
(P) Mixing Hoe	7"	4 1/2"	18"	1 1/8"	6267A3 18.48
(Q) Mixing Hoe	7"	4 1/2"	54"	1 1/8"	6267A4 30.80
(Q) Mixing Hoe	10"	6"	66"	1 1/2"	6267A6 51.84
(R) Scraper/Hoe	7"	4"	60"	1 1/4"	6268A11 37.00

Weed Control Landscape Fabric

Keep nasty weeds out of sight with this black polyethylene fabric. It prevents weed growth, yet allows water, air, and gases to flow through.

Anchoring pegs secure the fabric in place. They're made of black plastic and measure 4 1/2" long.

Roll Width	25-ft. Lg. Roll	50-ft. Lg. Roll	100-ft. Lg. Roll
	Each	Each	Each
3 ft.	63255T1 \$10.23	63255T2 \$15.19	63255T3 \$29.40
4 ft.	63255T4 20.35	63255T5 39.44	63255T6 59.58
6 ft.	63255T6 30.79	63255T7 59.58	63255T8 89.87

Anchoring Pegs (Pkg. of 10) 63255T23 Per Pkg. \$2.38

Weed, Grass, and Total Vegetation Killers

Need to clear your soil of unwanted plants and weeds? Then choose one of these nonselective herbicides. They will cause your vegetation to wither and die within 5 to 7 days.

Weed and Grass Killer

This herbicide is designed for spot treatment. It kills all green plants, including the roots. The soil can be reseeded 7 days after treatment. **Concentrate** makes 21 gallons.

Size	Case Qty.	Each	Full Case
32-oz. Pump Spray (Ready-To-Use)	12	75575T14 \$6.61	\$5.96
32-oz. Concentrate	1	75575T19 29.83	29.83

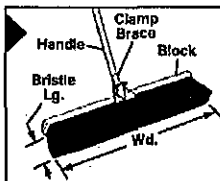
Heavy Duty Total Vegetation Killer

Designed for long-term control, this pelleted herbicide contains sodium chlorate and sodium metaborate to clear all vegetation. The soil can be reseeded one year after treatment. Furnished in a 25-lb. bag.

7530T5 Each \$81.45

Push Brooms

For replacement handles, see page 1908.



About Brooms

Smooth-surface brooms sweep away fine to medium dust and dirt on nonporous surfaces such as tile, wood, linoleum, and smooth concrete. Often, smooth-surface brooms have frayed bristles with mechanically split, or flagged, tips for superior sweeping of fine particles. Do not use frayed bristles with sweeping compounds or oily surfaces because they could mat.

Semi-smooth-surface brooms handle heavier debris on surfaces such as sidewalks and driveways. Rough-surface brooms move heavy, wet, and hard-to-move debris on asphalt and rough concrete such as street pavement.

Standard Push Brooms

All brooms include a 60" long handle. Those 24" and wider include a clamp-style brace for handle support, unless noted.

Smooth-Surface Push Brooms

Brooms include a 1 1/8" dia. threaded handle. **Frayed Polystyrene**—Long lasting polystyrene resists most common solvents. All have a wood handle, hardwood block, and blue bristles.

Frayed Polypropylene—More durable and resistant to acids, solvents, and chemicals than polystyrene. All include a black, plastic-coated steel handle with an aluminum tip, beige foam plastic block, and gray bristles.

Horsehair—Soft and resilient bristles are best for sweeping fine particles. All include a wood handle, hardwood block, and black bristles.

Broom Bristle				Broom Bristle			
Wd.	Lg.	Each		Wd.	Lg.	Each	
Frayed Polystyrene				Frayed Polypropylene (Cont.)			
14"	2 1/4"	7313T14	\$14.29	24"	3"	7502T22	\$21.85
16"	2 1/4"	7313T13	15.09	Horsehair			
18"	2 1/4"	7313T16	15.43	14"	3"	7167T2	20.93
24"	2 1/4"	7313T17	20.40	16"	3"	7167T6	22.63
30"	2 1/4"	7313T18	29.89	18"	3"	7167T4	24.05
36"	2 1/4"	7313T19	35.11	24"	3"	7167T5	31.12
Frayed Polypropylene				30"	3"	7167T7	39.66
18"	3"	7502T21	20.13	36"	3"	7167T8	53.34

* Does not include a clamp-style brace.

Semi-Smooth-Surface Push Brooms

Brooms include a 1 1/8" dia. threaded wood handle and a hardwood block. Bristle color is black.

Tampico—Resists solvents and heat. **Tampico/Horsehair/Polypropylene**—The 14" through 24" wide brooms have a border blend of soft horsehair and durable polypropylene bristles to pick up fine dust, while the center brooms have only a blend of horsehair and polypropylene.

Broom Wd.	Bristle Lg.		Each	Broom Wd.	Bristle Lg.		Each
Tampico				Tampico/Horsehair/Polypro.			
14"	3"	7169T12	\$17.50	14"	2 3/4"	7168T2	\$18.69
18"	3"	7169T14	20.40	16"	2 3/4"	7168T3	18.17
24"	3"	7169T15	24.95	18"	2 3/4"	7168T4	18.89
30"	3"	7169T16	31.93	24"	2 3/4"	7168T5	24.03
36"	3"	7169T17	34.72	30"	2 3/4"	7168T6	35.20
				36"	2 3/4"	7168T7	39.60

Rough-Surface Push Brooms

Brooms include a 1 1/8" dia. wood handle and a hardwood block.

Standard—Also known as garage brooms, use these to sweep heavy soils and debris. Handle is threaded.

Long Bristled—Also known as street brooms, these will stand up to the heaviest debris. Featuring our longest bristle length, they move large, bulky trash. Handle is tapered.

Palmyra bristles are economical with medium stiffness. They are reddish-brown. **Bassine** bristles are thicker than Palmyra and very stiff. **Polypropylene** bristles are very stiff and resistant to acids, solvents, and chemicals. Standard polypropylene bristles are maroon; long bristles are black.

Broom Bristle			Broom Bristle		
Wd.	Lg.	Each	Wd.	Lg.	Each
Standard Palmyra			Long-Bristled Palmyra		
16"	4"	7172T61 \$15.24	14"	6 1/4"	7179T3 \$16.65
18"	4"	7172T62 16.82	16"	6 1/4"	7179T4 18.72
24"	4"	7172T63 19.56	18"	6 1/4"	7179T41 19.04
30"	4"	7172T64 25.35	24"	6 1/4"	7179T42* 23.23
36"	4"	7172T65 26.86	Long-Bristled Bassine		
			14"	6 1/4"	7179T3 16.65
18"	3 1/4"	7174T14 19.78	Long-Bristled Polypropylene		
24"	3 1/4"	7174T15 22.56	18"	6"	7152T45 25.79
30"	3 1/4"	7174T16 29.91	24"	6"	7152T46* 26.85
36"	3 1/4"	7174T17 31.94			

* Does not include a clamp-style brace.

Heavy Duty Push Brooms



A black, all-steel handle welded to a steel brace and mounted on a wood block makes these our most durable push brooms. Handle is 58" long and 1" dia. **Semi-smooth surface brooms** have black tampico bristles. **Rough-surface brooms** have brown palmyra bristles.

Semi-Smooth Surface				Rough Surface			
Broom Wd.	Bristle Lg.		Each	Bristle Lg.		Each	
18"	3"	7723T11	\$40.10	4"	7723T21	\$33.56	
24"	3"	7723T12	42.12	4"	7723T22	35.19	
30"	3"	7723T13	49.33	4"	7723T23	43.94	
36"	3"	7723T14	54.13	4"	7723T24	47.50	

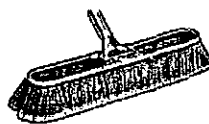
Adjustable-Angle Push Brooms



Get better access to tight and confined areas. Brooms have a steel-backed polypropylene block with a steel swivel socket to attach the handle at various angles. Simply adjust the handle to the angle you need and secure with the included threaded steel bolt. Include a 59" long, 1" dia. two-piece steel and wood handle. Bristles are black polypropylene and resist acids, solvents, and chemicals.

Semi-Smooth Surface				Rough Surface			
Broom Wd.	Bristle Lg.		Each	Bristle Lg.		Each	
14"	3"	7208T41	\$16.62	3 3/8"	7069T61	\$16.27	
18"	3"	7208T42	18.17	3 3/8"	7069T62	17.83	
24"	3"	7208T43	20.42	3 3/8"	7069T63	19.90	
Replacement Handle				7208T5 Each \$6.40			

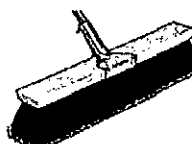
Dura-Block Push Brooms



A durable, rust-resistant steel strip locks in bristles without the added weight of wood and plastic blocks. Brooms include a 60" long, 1 1/8" dia. black steel handle with a bolt and wing nut connector. **Smooth-surface brooms** are maroon PVC. **Semi-smooth-surface brooms** are green polypropylene; **rough-surface brooms** are black polypropylene. All are resistant to acids, solvents, and chemicals.

Broom Wd.	Bristle Lg.	Smooth Surface	Semi-Smooth Surface	Rough Surface	Each
18"	3"	7357T221	7352T221	7339T11	\$19.06
24"	3"	7357T222	7352T222	7339T12	21.16
30"	3"	7357T223	7352T223	7339T13	31.56
36"	3"	7357T224	7352T224	7339T14	34.27
Repl. Handle for 18" and 24" Brooms		7357T17		Each	\$8.02
Repl. Handle for 30" and 36" Brooms		7357T18		Each	\$12.19

Twist-Resistant Handle Push Brooms



A zinc-plated steel brace locks the handle into the hardwood block, preventing damage from unnecessary handle twisting. Bristles are orange polypropylene (unless noted) and resist acids, solvents, and chemicals. Include a 60" long, 1 1/8" dia. wood handle. **Smooth-surface brooms** have frayed bristles.

Broom Wd.	Bristle Lg.	Smooth Surface	Semi-Smooth Surface	Rough Surface	Each
18"	3 1/4"	6378T442	6378T413■	6378T418	\$23.22
24"	3 1/4"	6378T443	6378T414■	6378T419	26.56
30"	3 1/4"	6378T444	6378T415■	6378T422	30.22
36"	3 1/4"	6378T445	6378T416■	6378T421	35.24
Replacement Handle (without brace)				6378T31	Each \$4.60
Replacement Anchor Brace				6378T32	Each \$3.60
• Bristles are 3" Jong. ■ Bristles are orange and black.					

* Bristles are 3" long. ■ Bristles are orange and black.

☐		☒ Sledge Hammer, Handle Type Fiberglass With Super Grip, Head Type Double Face, Overall Length 14 In, Handle Length 12 In, Head Weight 4.0 Pounds, Flat	NUPLA 27045	1	Today	\$33.80	119'
	4A109						
☐		☒ Sledge Hammer, Handle Type Fiberglass With Super Grip, Head Type Double Face, Overall Length 14 In, Handle Length 12 In, Head Weight 3.0 Pounds, Flat	NUPLA 27035	1	Today	\$32.95	119'
	6D011						
☐		☒ Sledge Hammer, Handle Type Rubber/Steel Unbreakable, Overall Length 33 1/2 In, Handle Length 30 In, Head Weight 14 lb, Forged Alloy Steel Head, Flat F	WILTON HVS1430	1	Today	\$79.95	119'
	5LK43						
☐		☒ Hammer, Head Length 7 Inches, Hammer Weight 5 lb, Overall Length 20 Inches, Face Soft, High Visibility Orange, Dead Blow	STANLEY 57-550	1	Today	\$89.55	119'
	6R341						
☐		☒ Sledge Hammer, Head Type Brass, Handle Type Fiberglass With Super Grip, Overall Length 12 In, Handle Length 10 In, Head Weight 3.25 lb	NUPLA 30040	1	Today	\$92.95	119'
	5LV04						
☐		☒ Sledge Hammer, Handle Type Fiberglass With Super Grip, Head Type Double Face, Overall Length 32 In, Handle Length 29 In, Head Weight 8.0 Pounds, Flat	NUPLA 27808	1	Today	\$46.95	119'
	3MD39						
☐		☒ Sledge Hammer, Handle Type Rubber/Steel Unbreakable, Handle Length 30 Inches, Head Weight 8 Pounds, Forged Alloy Steel Head	WILTON HVS830	1	Today	\$59.95	119'
	5LK46						
☐		☒ Soft Face Hammer, Head Length 8 Inches, Hammer Weight 11.5 Pounds, Overall Length 36 Inches, High Visibility Orange Compo Cast Sledge, Dead Blow	STANLEY 57-554	1	Today	\$190.00	119'
	6R344						

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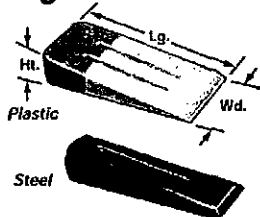
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Wedges & Flange Spreaders

Wedges



Wedges can be driven into narrow openings to hold or separate wood and other soft materials.

ABS Plastic Wedges—Resist severe shocks and will not chip like metal wedges. They are lightweight and work well in sub-zero temperatures.

Steel Wedges—Ideal for use in the lumber industry, including splitting operations. Made of forged carbon steel.

Lg.	Blade Wd.	Ht.	Wt.	Each
ABS Plastic Wedges				
5 1/2"	2 1/2"	1"	5 oz.	5868A91 \$4.63
7 1/2"	3"	1 1/4"	9 oz.	5868A92 7.33
10"	3"	1"	10 oz.	5868A93 7.45
12"	3 1/2"	1 1/4"	1 lb.	5868A94 10.33
Steel Wedges				
7 1/2"	2 1/2"	1 1/2"	3 lbs.	5948A1 7.54
8 1/2"	2 3/4"	1 5/8"	4 lbs.	5948A2 7.80
9"	2 5/8"	1 3/4"	5 lbs.	5948A3 10.91
9 1/4"	2 3/4"	1 3/4"	6 lbs.	5948A4 13.73
11"	3"	2"	8 lbs.	5948A5 21.10

Plastic Utility Wedges



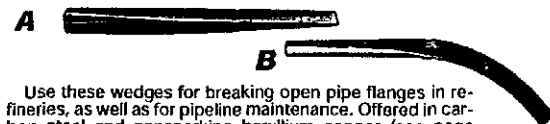
Made of plastic, these wedges allow you to level, align, or pry apart materials without damage.

Three-Piece Sets—Include a 5" Lg. x 7/8" Wd. x 1/2" Ht. short wedge, a 7" Lg. x 1" Wd. x 3/4" Ht. long wedge, and a 7" Lg. x 2" Wd. x 5/8" Ht. curved tip wedge. **Polyethylene wedge set** is for working with soft and brittle materials. **Polycarbonate wedge set** is for hard materials such as wood and fiberglass.

ABS plastic wedge is ideal for larger, heavier materials such as framework and doors. Size is 14" Lg. x 1 1/8" Wd. x 1 1/8" Ht.

	Per Set
Three-Piece Polyethylene Set	6036A22 \$4.32
Three-Piece Polycarbonate Set	6036A21 6.48
ABS Plastic Wedge	6036A11 \$6.48

Pipe Flange Wedges



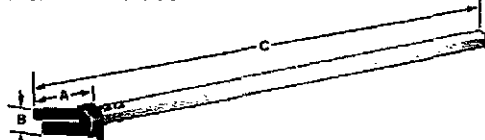
Use these wedges for breaking open pipe flanges in refineries, as well as for pipeline maintenance. Offered in carbon steel and nonsparking beryllium copper (see page 2712 for additional nonsparking wedges). All weigh 1 1/2 lbs.

Style A—Has slightly concave wedging surfaces for interlocking when used in pairs.

Style B—Has a curved shape.

Lg.	Ht.	Blade Wd.	Tip Thick.	Each
Carbon Steel				
A, 11"	7/8"	7/8"	3/32"	5775A1 \$10.75
B, 12"	1 1/8"	1 1/8"	1/16"	5952A1 11.91
Beryllium Copper				
A, 11"	7/8"	7/8"	3/32"	58725A67 60.27
B, 12"	1 1/8"	1 1/8"	1/16"	58805A67 61.92

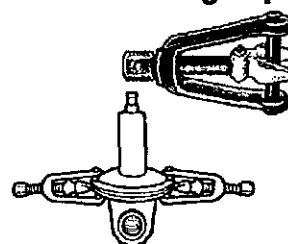
Pallet Buster



Easily disassemble pallets and skids that could be recycled or used as firewood. This high-leverage pallet buster is safer than chain saws, axes, and sledges. It has a ductile iron breaker head and a 1 1/4" square tubular steel handle. Position the forks in pallet slats, and push the handle down. The breaker head provides prying leverage. There is 1 1/8" space between forks. Weighs 7.8 lbs.

(A)	(B)	(C)	Each
5"	2 3/4"	4 1"	58585A65 \$71.67

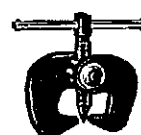
Hex Bolt Flange Spreaders



High-quality, alloy-steel spreaders are heat-treated to handle tough jobs without distortion or breakage. These compact, lightweight units are perfect for use on standard pipe and ring-type joint flanges. They're easy to use—remove bolt from flange to insert support rod, and turn the hex bolt to drive the spreader. **Note:** A spreader is required on each side of the flange for even distribution of pressure.

Pipe Size Range	Hex Screw Size	Each
150-lb. Flange	300-lb. Flange	
2" to 6"	3/4" to 2 1/2"	1 1/2" 59135A22 \$215.98
5" to 16"	2 1/2" to 6"	1 1/2" 59135A24 223.51
14" to 42"	10" to 22"	1 1/2" 59135A26 282.57
22" to 42"	16" to 36"	1 1/2" 59135A28 386.80

T-Handle Flange Spreaders

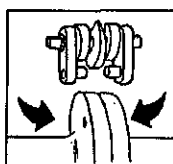
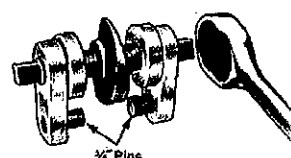


Make gasket replacement fast and easy, even in hard-to-reach locations. Spreaders exert extreme pressure smoothly and evenly with minimal operator effort. To use, place hooks in flange bolt holes and turn the T-handle. Units allow you to part flanges quickly and hold them in perfect alignment without damaging flange faces. Use in pairs for even distribution of pressure.

Capacities are for standard raised-face flanges.

PIPE SIZE RANGE				
Cast-Iron Flange		Steel Flange		Per Pair
125-lb.	250-lb.	150-lb.	300-lb.	
2" to 20"	1" to 12"	2" to 20"	3/4" to 12"	59125A1... \$241.83
16" to 48"	12" to 30"	18" to 24"	12" to 24"	59125A2... 473.55

Ratchet-Action Flange Spreaders



Slip these lightweight, easy-to-use spreaders over pipe flanges to separate stubborn connections. They're safe to use—no more hammer blows, chisels, flying wedges, or sparks.

Spreaders have two 3/4" pins that fit into the bolt holes on your flanges. Pressure applied to the ratchet handle forces a circular cam wedge between flanges to separate them. Use spreaders on standard raised-face flanges. **Multi-range** spreader is also suitable for large-diameter flanges with 750° F working steam pressure. All come with a female square-drive reversible ratchet.

Standard Range—150-lb. flanges up to 20" pipe size; 300-lb. flanges up to 6" pipe size. The spreader and the ratchet are furnished in a metal carrying case.

Multi-Range—For standard raised-face flanges: 150-lb. flanges 12" to 24" pipe size; 300-lb. flanges to 24" pipe size. For large-dia. flanges, working steam pressure @ 750° F: 150-lb. flanges 26" to 72" pipe size; 300-lb. flanges 26" to 42" pipe size. The spreader is furnished in a metal case.

Deluxe Range—400-lb. flanges up to 24" pipe size; 600-lb. flanges up to 20" pipe size; 900-lb. flanges up to 16" pipe size; 1500-lb. flanges up to 8" pipe size; 2500-lb. flanges up to 5" pipe size. The spreader is furnished in a metal case.

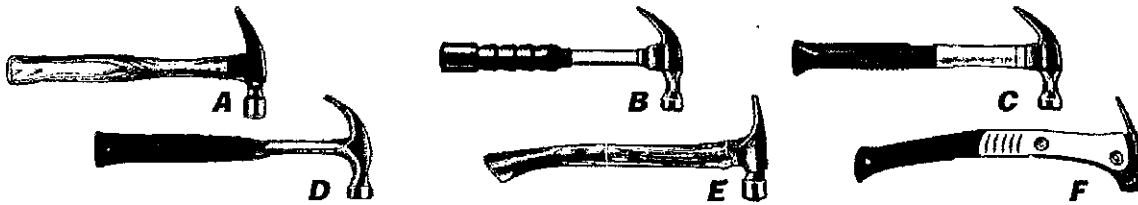
	Ratchet Size	Each
Standard Range	3/4"	59115A1 \$662.83
Multi-Range	1"	59115A2 922.50
Deluxe Range	1"	59115A3 941.25

Photo # 29 394-28 40

Hammers, Hatchets & Axes

For replacement handles, see page 2724.

Nail Hammers



Hit the nail on the head with any one of these hammers. All have a polished head (except where noted).

Choose hammers with a **straight claw** for ripping and prying; hammers with a **curved claw** for removing nails. Hammers with a **milled (serrated) face** prevent the head from slipping when striking.

Style A have a hickory handle that's replaceable.

Style B have a solid fiberglass handle that reduces vibration and wear as well as tolerates overstriking. They also have a safety cushion grip (except where noted) that allows you to maintain a firm grasp. Handles are replaceable.

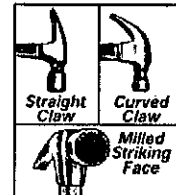
Style C have a graphite-core handle with a molded

polycarbonate casing that reduces shock and tolerates overstriking. They also have a ribbed cushion grip for added shock reduction. The handles are not replaceable.

Style D have a cushion grip that reduces shock. The handles are not replaceable.

Style E has a lightweight titanium head that delivers the driving force of heavier-weight steel hammers, without the fatigue. The head boasts a magnetic nail holder. Handles are replaceable.

Style F have a unique head design that puts the weight and power up front for easy nailing. Handles have a cushion grip to reduce shock. Handles are not replaceable.

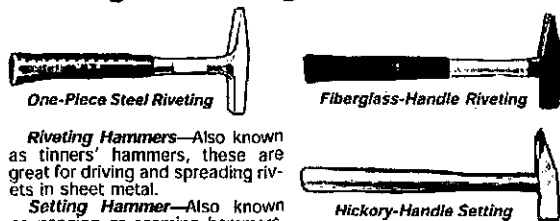


Head Wt., oz.	O'all Lg.	Striking Face	Straight Claw Each	Curved Claw Each
(A) Forged Steel Head with Hickory Handle				
10.....	11"	Smooth.....	5874A3.....\$14.26	
13.....	12 1/2"	Smooth.....		5852A3.....\$15.47
16.....	13"	Smooth.....	5874A7.....9.16	5852A5.....9.16
16.....	13"	Smooth.....	5874A1.....15.58	5852A2.....15.47
20.....	14"	Smooth.....	5874A4.....17.27	5852A1.....16.95
20.....	14"	Milled.....	5874A8.....18.71	
20.....	16"	Smooth.....	5874A6.....17.59	
20.....	16"	Milled.....	5874A9.....19.02	
24.....	17"	Milled.....	5874A17.....21.83	
32.....	17 1/4"	Milled.....	5874A19.....27.29	
(B) Forged Steel Head with Fiberglass Handle				
13.....	13"	Smooth.....		5924A62.....25.19
16.....	13 1/2"	Smooth.....	6044A13.....21.83	5924A63.....30.35
20.....	14"	Smooth.....	6044A11.....23.17	5924A64.....30.47
20.....	16"	Milled.....	6044A14.....24.70	
24.....	17"	Milled.....	6044A15.....27.76	
(C) Forged Steel Head with Graphite-Core Handle				
16.....	13 1/4"	Smooth.....	1580A33.....17.31	1580A31.....19.39
20.....	13 1/4"	Smooth.....	1580A34.....20.61	1580A32.....20.58

■ Has a painted head. • Has a smooth cushion grip.

Head Wt., oz.	O'all Lg.	Striking Face	Straight Claw Each	Curved Claw Each
(D) One-Piece Forged Steel with Cushion-Grip Handle				
12.....	11"	Smooth.....	6062A1.....\$21.26	6061A1.....\$22.51
16.....	13"	Smooth.....	6062A2.....21.26	6061A2.....22.51
20.....	13 1/2"	Smooth.....	6062A3.....24.36	6061A3.....27.41
20.....	13 1/2"	Milled.....	6062A6.....28.87	
22.....	16"	Smooth.....	6062A11.....30.04	6061A6.....33.53
22.....	16"	Milled.....	6062A12.....31.87	6061A7.....36.74
24.....	16"	Smooth.....	6062A14.....32.58	
24.....	16"	Milled.....	6062A16.....33.96	
25.....	18"	Smooth.....	6062A47.....33.12	
25.....	18"	Milled.....	6062A67.....34.48	
30.....	16"	Milled.....	6062A22.....36.96	
(E) Titanium Head with Hickory Handle				
14.....	17"	Milled.....	6598A19.....109.58	
(F) Weight-Forward One-Piece Forged Steel with Cushion-Grip Handle				
17.....	16"	Smooth.....	4508A12.....33.38	
17.....	16"	Milled.....	4508A14.....35.57	
21.....	16"	Smooth.....	4508A16.....34.11	
21.....	16"	Milled.....	4508A18.....36.29	

Riveting and Setting Hammers



Riveting Hammers—Also known as tinners' hammers, these are great for driving and spreading rivets in sheet metal.

Setting Hammer—Also known as paneing or seaming hammers. Use to form sheet metal corners, close seams, and insert glazer points.

Hickory-handle models have a forged steel head and replaceable handle. **One-piece steel models** are forged from a single piece of steel and have a nylon vinyl hand grip to reduce shock. **Fiberglass-handle model** has a forged steel head, slip-resistant vinyl hand grip, and replaceable handle.

Head Wt., oz.	Handle Material	O'all Lg.	Each
Riveting Hammers			
8.....	Hickory.....	11"	5880A5.....\$18.02
12.....	Hickory.....	13 1/2"	5860A1.....18.63
12.....	One-Piece Steel.....	11"	6069A5.....34.04
16.....	Hickory.....	14"	5860A3.....25.32
16.....	Fiberglass.....	12 1/2"	5860A1.....18.90
18.....	One-Piece Steel.....	12"	6069A6.....32.52
Setting Hammer			
16.....	Hickory.....	13 1/2"	5860A4.....26.54

Pick-Head Fire Axes

Our traditional firefighters' axes have a bright red forged steel head with sharpened cutting edge. Handle is hickory and can be replaced.

Head Wt., lbs.	Cutting Edge Lg.	O'all Lg.	Each
2 3/4.....	4 1/8"	28"	6084A14.....\$35.95
6.....	5"	36"	6084A12.....46.94

One-Piece Steel Carpenters' Hatchets

It's like two tools in one! You'll get a hammer face on one side of the head for driving nails and stakes; a hatchet on the other side for cutting, splitting, and trimming. Tools are one-piece forged steel with a fully polished head and a cushion grip to reduce shock.



Head Wt., lbs.	Striking Face	Cutting Edge Lg.	O'all Lg.	Each
1 1/4.....	Milled.....	3 1/2"	16 3/4"	5966A3.....\$41.55
1 1/2.....	Smooth.....	3 3/8"	13"	5966A2.....38.80

Axes

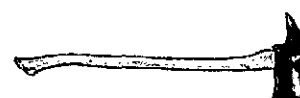


Both of these axes have a forged steel head with an enamel finish for long life. The handles are hickory and can be replaced.

Utility Ax—With its short handle, this ax is great for confined spaces.

Lumberjack Ax—With its longer handle and larger cutting edge, this ax is the choice for big cutting jobs.

	Head Wt., lbs.	Cutting Edge Lg.	O'all Lg.		Each
Utility Ax.....	1 1/4.....	3"	14"	5784A2.....	\$14.64
Lumberjack Ax.....	3 1/2.....	4 3/4"	36"	5960A2.....	23.33



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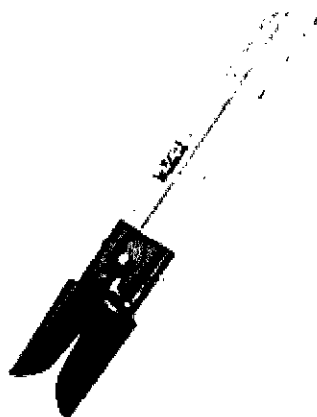
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Ames® Eagle® Post Hole Digger - 2 Pack (1707400)

Item no: 72390

Our Price:
\$30.58

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- Hand Garden
- Hoes
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- Long Handle
- Shovel
- Long Handle
- Shovel
- Metal Rakes
- See all AMES

- 7 x 5-1/2"; 5-1/2" spread Atlas (homeowner) blade
- 44" No. 3 wood handles
- Natural steel head
- Bulk
- 2 Pack

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Viper Round Point Shovel (1330000)

Item no: 7134653

Our Price:
\$23.99

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- Handle length 47"
- 16-gauge steel head blade
- Round point shovel
- New innovative fiberglass tool, will not splinter or crack
- Triangular textured handle for better grip and less fatigue
- 25% stronger than standard fiberglass and 10% lighter
- 40% stronger than wood handles
- Bulk

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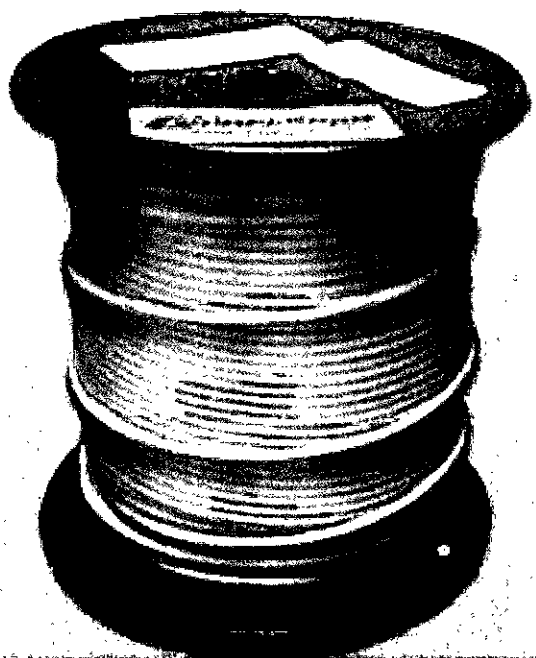
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Direct Burial #12 AWG Solid (.0808" diameter), steel core soft drawn high strength tracer wire, 380# average tensile break load, 30 mil high molecular weight-high density yellow polyethylene jacket complying with ASTM-D-1248, 30 volt rating.

- has 2X the breaking strength of conventional tracer wires with solid copper conductors.
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Weight: 12 lb

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4657	Complete	\$17.88 0
4657-B	Blade only	\$7.42 0



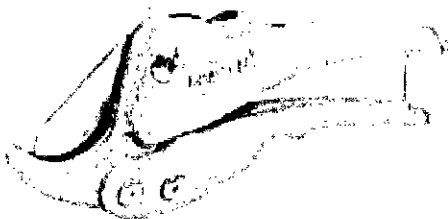
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Heavy Duty PVC Pipe Cutter:

- Cuts up to 1" PVC pipe - all schedules!
- Cuts up to 1" CPVC pipe
- Stainless steel blade and ratchet



Part #	Description	Price & Quantity
4676	Complete	\$24.08 0
4676-B	Blade only	\$12.65 0
4676-RK	Repair kit *	\$7.80 0

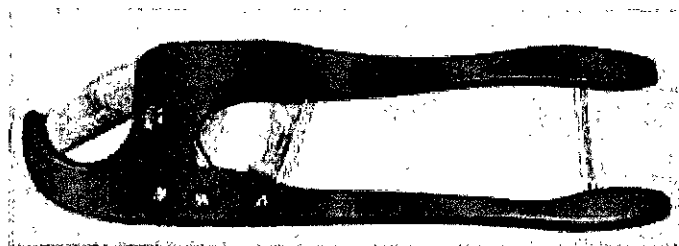


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* Repair kits include screws and springs to "tune up" the cutter.

Large PVC Pipe Cutter



MM65 heavy duty PVC cutter

Craftsman Rapid Tiller**\$9.99**

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HAND/POWER TOOLS

Measuring Wheel (MM12RP)

Item no: 24456

Our Price:
\$41.99

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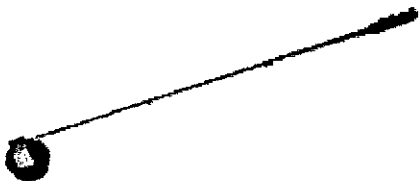
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Lightweight materials and quality construction make the MM-12 Series the perfect choice for interior design, home remodeling, functional and real estate appraisals. The MM-12 gives accurate measurements on any smooth, hard surface from counter tops to sidewalls. This wheel is the most compact in the Measure Master® Commercial Series, which makes it easy to add to your toolbox.

- 4" w/1.99!
- 3 pc aluminum handle extends 16-1/4" to 38"
- Measures to 1000' in ft. and in.

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This PVC Pipe Cutter Features:

- Cuts up to 2" PVC pipe
- Ratchet action for quick cuts
- Virtually perfect right angle cuts
- Hardened steel blade
- Dozens of other uses

Part #	Description	Price & Quantity
4678	65MM Cutter and blade complete	\$88.29 0
CP65	Blade for 65MM cutters	\$27.79 0
4678-B	Blade for MEGA-9 cutters (old style)	\$27.80 0

Large PVC Pipe Cutter



MM85 heavy duty PVC cutter

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HC-150 20 In. Double Sided Hedge
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The HC-150 is perfect for taming overgrown shrubs and for preventive pruning. It features the light-weight and powerful high-output 21.2cc engine with dual piston rings, its 20" Razor Edge blades are crafted from hardened steel and laser cut for smooth one pass cutting. The HC-150 is backed by a full two year consumer warranty and includes operator's manual and engine oil. All ECHO engines are certified with the longest engine durability rating. • 21.2cc Engine, 20" Blade • Longest Certified Engine Durability • Razor Edge™ 20 In. Hardened Steel, Precision Laser Cut Blades for Easy Cutting and Long Blade Life • Heavy-duty air filter for extended maintenance intervals • 2 Year Consumer Warranty Internet/Catalog #100069998 Store In-Stock SKU # 306608			

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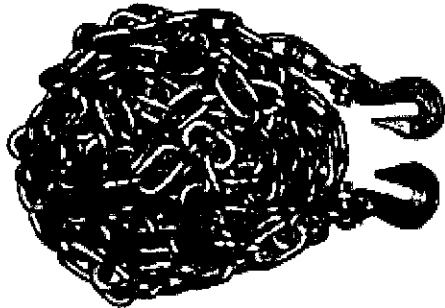
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Crown Bolt LLC
Chain Tow with Grab Hooks
 Model 00422

Price: \$43.45/pk

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Description	Specifications	Product Reviews	Warranty
Tow Chain, 5/16 In. x 20 Ft. Transport grade system 7 chain with clevis grab hooks. Yellow chromate finish. Working load limit 4700 LB. - Great To Keep In The Car Or Truck. - Working Load Limit 4,700 Lbs. - Yellow Zinc Finish - Clevis Grab Hooks. Internet/Catalog #100349312 Store In-Stock SKU # 529425			

SPECIAL OFFER

12 Month No Inter of \$299

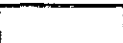
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48" STREETHAWK Lightbar
 (Click on photo for enlargement)

Numerous other lengths
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Model #SHL4801 Features:

- Four 95 FPM Rotators
- Two Diagonal Mirrors

\$ 555.00

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- Two 95 FPM Rotators
- Two 175 FPM Rotators
- Two Diagonal Mirrors
- Two Front Flashing Lights
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- Two Alley Lights

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Lens, Lower Level - #SSL Amber, Blue, Clear, Red	\$5.50	Qty: 1 Color: Amber Add to Cart

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Mize 12' 2-Gauge Jumper Cable (600-Amp) Customer Review

The jumper cable's excellent quality was beyond my expectations. They stay cool, no

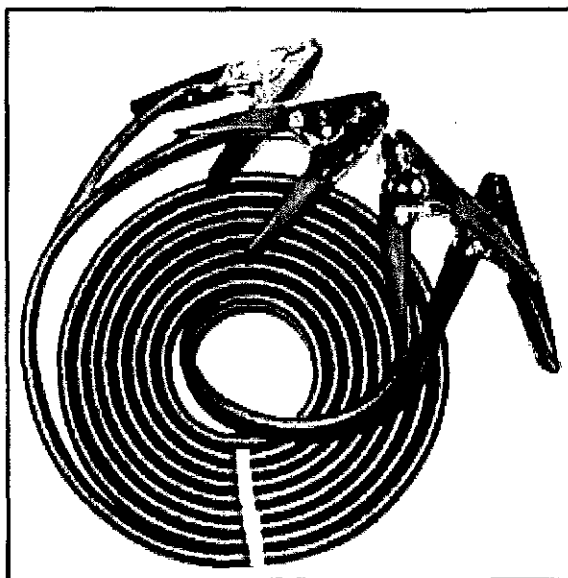
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Booster cables

Mize 12' 2-Gauge Jumper Cable (600-Amp)

Item Number: MIZEWTL212

★★★★★ (6 Reviews)

Mfg List Price: \$55.95

Our Price: **\$39.97**
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In Stock - Same Day Shipping

Mize 12' 2-Gauge Jumper Cable (600-Amp)

Mize Wire is the name for top quality jumper cables (also called Booster Cables). These are 12' 2-Gauge Jumper Cables, rated for 600-Amp commercial use. Made with tangle free fine strand twin lead copper wire that remains flexible to -70 degrees Fahrenheit.

You know these are top quality cables just from the feel. Each jumper cable is equipped with Co.'s patented BH600 (600 amp) handles.

The handles are made heavy, so they won't twist or mis-align.

The patented teeth and spring assembly, called the 'little croc', really grab.

The hinge point is engineered to provide maximum leverage so they're easier to open. Comes in an attractive box.

These jumper cables are designed to work with side mount and standard batteries.

Manufacturer: Mize Wire [Warranty Information]**Shipping Weight: 9.00 pounds [Estimate Shipping Cost]**

394-55

Load Binders & Cargo Nets

Ratchet-Action Load Binders/Jacks

One-person operation without kickbacks is a breeze. These binders have a screw design that allows for push-pull ratchet action and a double-acting, spring-loaded pawl. Chain take-up is the length of chain that is adjusted by the load binders.

Hook End—Bind loads on heavy equipment in transit and during construction activities. Binders are all steel with a rust-resistant ratchet spring and forged grab hooks. Meet D.O.T. 393.102 specifications and CVSA (Commercial Vehicle Safety Alliance) cargo-securing, tie-down guidelines.

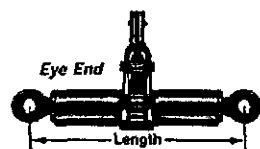
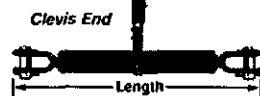
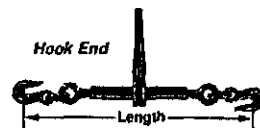
Clevis End—It ratchets in either direction, so you can push apart and pull together structural members, steel plates, walls, and more. Welded screw-style ends prevent overextension.

Eye End—Pull bearings, pulleys, gears, and wheels. Each end has a 1 1/8" ID screw eye with reversible ratchet in the center. Spring-actuated pawls in the ratchet make them easy to use.

For Chain Size

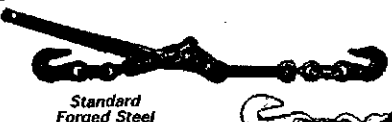
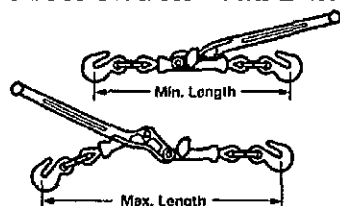
Grade 40 High Test	Grade 70 Transport	Work Load Limit, lbs.	Length Min.	Length Max.	Chain Takeup	Handle Length	Each 1-3	Each 4-Up
Hook End Forged Steel								
5/16"-3/8"	3/8"	8,800	22.94"	30.94"	8"	14"	2967T5	\$59.50 \$54.54
3/8"-1/2"	3/8"-1/16"	15,000	25.25"	33.25"	8"	14"	2967T3	63.38 58.10
3/8"-1/2"	3/8"-1/2"	9,200	38"	60"	22"	14"	2967T7	170.50 152.86
1/2"-5/8"	1/2"	16,000	26.38"	34.38"	8"	14"	2967T6	115.07 103.94
Clevis End (No Hooks) Cold-Rolled Steel								
		8,000/15,000	20"	28"	8"	12"	2968T14	90.89 79.54
Eye End (No Hooks) Forged Steel								
		40,000	23"	37"	14"	26"	2979T24	364.63 320.44

Pushing/pulling.



X 2

Lever-Action Load Binders



Release-Eze

Economy

Pull the handle to take up slack in chain so you can secure machinery, cargo, and equipment on trucks or in your facility. All except economy binder meet D.O.T. 393.102 specifications and CVSA (Commercial Vehicle Safety Alliance) cargo-securing, tie-down guidelines. Chain takeup is the length of chain adjusted by the load binder.

Standard Cast Iron—Forged, snub-nose hooks and swivels make adjustments easy.

Standard Forged Steel—A ball-and-socket joint allows straight pull

for maximum leverage. Reinforced leverage points prevent spreading.

Release-Eze Forged Steel—Lets you keep control and release load tension slowly because of its recoilless design. The center body rotates independently to prevent the sudden shock associated with a conventional binder handle flying back.

Economy Cast Steel—The handle has two steel J-hooks (one rigid, one swivel) on a clevis to tie down equipment, fasten end gates, and bind light truck loads.

For Chain Size

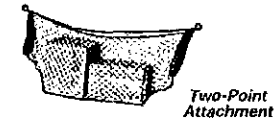
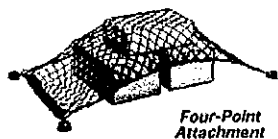
Grade 30 Proof Coil	Grade 40 High Test	Grade 70 Transport	Work Load Limit, lbs.	Length Min.	Length Max.	Chain Takeup	Handle Length	Each 1-3	Each 4-Up
Standard Cast Iron									
1/4"	1/4"		2,600	13"	15 1/2"	2 3/4"	11 1/4"	2968T51	\$24.97 \$22.80
3/8"	3/8"		5,400	18"	22 1/4"	4 1/2"	16"	2968T52	50.52 45.47
3/8"-1/2"	3/8"	5/16"	5,400	18 3/4"	23"	3 3/4"	18"	2968T43	60.80 54.72
Standard Forged Steel									
1/4"	1/4"		2,600	12 3/4"	16"	3 1/4"	11 1/4"	2968T4	26.32 23.50
3/8"	3/8"-5/16"	5/16"	5,400	17 3/4"	22 1/2"	4 1/2"	16 1/4"	2968T5	49.21 43.87
3/8"-1/2"	3/8"-1/2"	3/8"-1/2"	9,200	21 1/2"	25 3/4"	4 1/2"	18 1/4"	2968T2	63.65 58.27
1/2"-5/8"	1/2"-5/8"	1/2"-5/8"	13,000	25"	29 3/4"	4 3/4"	21"	2968T3	118.34 107.75
Release-Eze Forged Steel									
3/8"	3/8"	5/16"	4,700	19 1/4"	23 3/4"	4 1/2"	12 1/2"	2968T9	47.96 42.91
Economy Cast Steel									
3/8"			400	7"	10 1/2"	3 1/4"	9 1/2"	3098T67	17.89 15.55

• Work load limit is 5,400 lbs. when used with 3/8" Grade 40 chain.

Quick-Mount Cargo Nets

Stretch this netting across shelving, cabinets, benches, workstations, and other small, confined spaces to keep materials contained. Made of rot- and mildew-resistant polyester, it has stitched loops and polypropylene hemmed edges for added strength. Mesh size is 1" x 1". Install with the included adhesive pads or screws. Color is black.

Four-point attachment includes four adhesive pads and screws. **Two-point attachment** includes two adhesive pads and screws to use netting hammock style or folded in half.



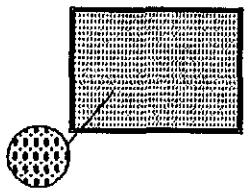
Length, Min.-Max.	Width	Each
Four-Point Attachment		
2 1/2'-3'	1'	44115T2 \$14.88
4'-5'	1'	44115T1 17.17
Two-Point Attachment		
3 3/4'-5'	2'	44115T3 19.88

Ventilating Mesh Tarps

Also known as cargo nets, these tarps are UV resistant and have a 2" wide web-reinforced hem that's made of black polypropylene. All have brass grommets on each side spaced approximately 2 feet apart.

Polyethylene mesh tarps have 1/16" x 1/16" mesh openings and 5/8" ID grommets. Color is black.

Polyester mesh tarps have 1/4" x 1/4" mesh openings and 3/8" ID grommets. Color is white.



Size	Each	Size	Each
Polyethylene Mesh			
5'8" x 7'8" 4463T21	\$22.08	6' x 8' 7871T51	\$39.08
7'8" x 9'8" 4463T31	36.80	8' x 10' 7871T33	65.12
9'8" x 11'8" 4463T41	55.20	8' x 12' 7871T52	78.16
9'8" x 15'8" 4463T51	73.60	10' x 12' 7871T53	97.68
9'8" x 17'8" 4463T61	82.80	10' x 16' 7871T54	130.26
11'8" x 19'8" 4463T42	110.40	10' x 20' 7871T55	162.82
11'8" x 25'8" 4463T52	124.80	12' x 16' 7871T57	156.32
13'8" x 15'8" 4463T72	103.04	12' x 24' 7871T59	234.46
15'6" x 23'8" 4463T82	153.60	20' x 20' 7871T63	319.25
Polyester Mesh			

Warning! Never exceed work load limits. Never use the items on this page for lifting applications.

McMASTER-CARR

1411

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SK Hand Tool
**1/2" Drive Professional Reversible
Ratchet - 15" Long**

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NTW #: SKT-40170

Manufacturer Price: \$88.98
NTW Price: \$45.62
You Save: 49%
Quantity: 1

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Product Details:
1/2" Drive Professional Reversible Ratchet - 15" Long

- Smooth ratchet action, completely enclosed head, SuperKrome® finish
- 36 Tooth Head

Weight: 2.01 lb

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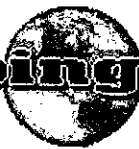
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Item no: 7134679

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- New innovative fiberglass tool, will not splinter or crack
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Pry Bar

Digging Pry Bar, Handle Length 72 Inches, Fiberglass with 7 3/4 Inches X 1 1/2 Inches, 6 Feet Bar with Wedge

model #

Grainger Item #	3MD43
Your Price (ea.)	\$74.95
Brand	NUPLA
Mfr. Model #	69301
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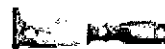
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Material	Fiberglass						
Features	Fiberglass Handle						

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Viper Bow Rake (1883800)

Item no: 7134687

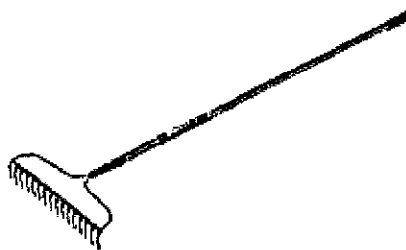
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[JR3030T]

\$175.00
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- Powerful 8 AMP motor for continuous operation
- Large variable speed trigger with lock-on button
- Long 1-1/8" stroke length (0 - 2,600 SPM) for faster cutting
- All ball and needle bearings for longer tool life
- Externally accessible brushes for easy maintenance
- Heavy-duty shoe features "Tool-less" adjustment
- Internal dust blower system cleans debris from the line of cut for better visibility and accuracy
- D-shaped handle design provides control and comfort in all cutting positions
- Accepts standard 1/2" shank blades
- Blade can be inverted for near flush cutting
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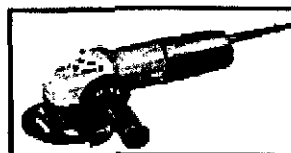
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Product Group: Power Tools and Accessories

Classification: Electric Power Tools

Description: 4 120V 11000RPM ANGLE GRINDER MAKITA PART NO. 9553NBKX

Manufacturer: Makita

Manufacturer #: 9553NBKX

RPM: 11,000

Amps: 5

Wheel Size: 4

[Additional Product Info](#)

Item #: MPT-30861B

Your Price: \$75.00 EA

Availability: 9 in Stock



1709

\$

H

\$

1/

394-63

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Search by keyword or item #

Search

HAND/POWER TOOLS
Home > Hand / Power Tools > Measuring Tools > Tape Rule - Long

Lufkin® Speedwinder Tape Rule (Hyt-100)

Item no: 20524

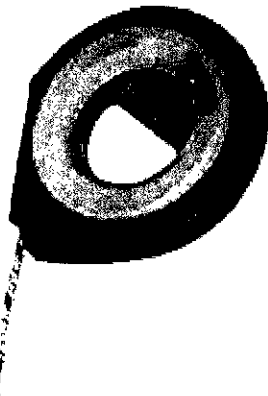
Our Price:
\$36.99

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1 of 8

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Take advantage of FREE Shipping to your local Ace! (See Promotion Details)



Qty: 1

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BUY NOW: NO PAYMENTS FOR 90 DAYS
on purchases over \$250

AVAILABILITY: In stock, leaves warehouse in 5 - 7 full bus. days. - (Details)

- 3/8" x 100'
- Easy to read blade
- Rapid rewind
- High impact, high visibility, self standing blaze orange case

Product Tools:

- Email A Friend

Related Categories

- Bevels
- Butt Markers
- Calipers/Compass
- Carpenter / Railroad Chalk
- Chalk Lines
- Electronic Measures
- Folding Rules
- Framing Squares/Layout Tools
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394-64

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PowerPixie™



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Telephone: (707) 539-9003 - California - Pacific Time Zone - Mail: sales@generatorjoe.net

Cage 1U5V7 - TIN/EIN #943026355 - Duns #054590203 - GSA GS-07F-5964R - A small business owned by a service connected dis

Diesel Generators

Products

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Portable Gasoline

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Portable LP Multi Fuel

Portable Three Phase

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PTO & Two Bearing

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Home - Comm 3 Phase

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Indust. Diesel 3 Phase

Indust. LP/NG 1 Phase

Indust. LP/NG 3 Phase

Mobile 1/3 Phase

Marine Diesel 1 Phase

Marine Diesel 3 Phase

Marine Gasoline

Welder Generators

Mobile Lighting

Container Clipon

Transfer Switches

Fuel & Water Cans

Fuel Tanks

Trailers

Lubes/Consumables

Storage Containers & Buildings

Gift Certificates

0.7 kW



Honda, , 0.7 kW

(0.7 kVA), SKU

HOPR-001G001,

Model EX 700C

NOT FOR SALE

Honda OHV,

single phase,

gasoline fueled,

air cooled, 3600

RPM, recoil start

Our Price \$710.95

[View](#)

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[Spec Sheet](#)

1 kW



Honda, , 1 kW

(1 kVA), SKU

HOPR-001G002,

Model EU1000

NOT FOR SALE

Honda OHV,

single phase,

gasoline fueled,

air cooled, 3600

RPM, recoil start

Our Price \$789.95

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2 kW



Honda, , 2 kW

(2 kVA), SKU

HOPR-002G003,

Model EU2000i

NOT FOR SALE

Honda OHV,

single phase,

gasoline fueled,

air cooled, 3600

RPM, recoil start

Our Price \$1,079.95

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Information

About Generators

Generator Size

Transfer Switch Info

Honda, , 2.5 kW

(2.5 kVA), SKU

Our Price \$599.95

394-65



NorthernTool.com + 1-800-221-0516

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SEARCH **GO** **CATEGORIES** **BRANDS** **SALE** **CATALOG** **STORES**

Home > Automotive > Engine Hoists + Stands > Item# 149809

Print

Ingersoll Rand Wire Rope Puller, Model# P15D34HA

Item# 149809

Only \$69.99

Guaranteed Lowest Price

Qty

+ ADD TO CART

Temporarily Backordered usually ships in 2 to 5 days
Ship Wt. 10.0 lbs
Calculate Shipping

Description Warranty

1000-lb. capacity pulley has steel frame and handle, alloy steel load hook, one-piece cast aluminum drum, and solid steel drive and holding dog. 4:1 design factor lifting. Long lasting gears through extra heavy buttress tooth design. 2000-lb. double pull capacity. For low and medium duty pulling and lifting jobs.



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480 // PRODUCTS



480

Pipe & Cable Locator

Select items to purchase and press submit -

Submit

SEARCH



Select by Product



Select by Industry



PRODUCTS OVERVIEW

DISTRIBUTOR SEARCH

Base Model

- ☐ Transmitter, Receiver, Conductive Attachment, Ground Rod, and Operating Manual.
Price : USD 750.00

Other Popular Kits

Currently, no optional equipment is available for this product.

Accessories

- ☐ **4810 Inductive Probe**
Part Number: 4810
Inductive Probe for 480 and 480B
Used With: 480, 480B
Price : USD 385.00
- ☐ **4820 MetroClamp**
Part Number: 4820
4" (100mm) Inductive Transmitter Coupler
Used With: 480, 480B, 510, 810
Price : USD 305.00
- ☐ **4890 MetroClamp**
Part Number: 4890
8" (200mm) Inductive Transmitter Coupler
Used With: All 9800XT Series: 9860DLXT, 9860DFXT, 9860RLXT, 9860RFXT, 9890DLXT, 9890DFXT, 9890RLXT, 9890RFXT; Also used with 480, 480B, 510, 530, 810, 810Dx, 850
Price : USD 890.00
- ☐ **Conductive Attachment for single frequency locator**
Part Number: 800B004
Conductive Attachment for Transmitter. Consists of Direct Connector Leads and "L" Ground Spike.
Used With: 480, 480B, 510, 530, 810, 810Dx, 850
Price : USD 36.00
- ☐ **Conductive Leads only RCA plug**
Part Number: 400B108
Conductive Leads for Transmitter. Consists of Direct Connection Lead

10520 | Fire Protection Specialties

10 SPECIALTIES

10525 Fire Prot. Specialties			CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL	TOTAL
							MAT.	LABOR	EQUIP.			
200	5000	Hose rack assy., 2-1/2" x 1-1/2" valve, 100' hose										
	5010	and extinguisher, 30" x 40" x 8"										
	5100	Aluminum door and frame	Q-12	5	3,200	Ea.	300	120			420	50
	5200	Steel door and frame	↓	5	3,200	↓	176	120			296	30
	5300	Stainless steel door and frame	↓	5	3,200	↓	335	120			455	50
	6000	Hose rack assy., 1-1/2" valve, 100' hose										
	6010	and 2-1/2" FD valve, 24" x 44" x 8"	Q-12	5	3,200	Ea.	268	120			388	40
	6100	Aluminum door and frame	↓	5	3,200	↓	171	120			291	30
	6200	Steel door and frame	↓	5	3,200	↓	355	120			475	50
	6300	Stainless steel door and frame										
	7000	Hose rack assy., 1-1/2" valve & 100' hose, 2-1/2" FD valve										
	7010	and extinguisher, 30" x 44" x 8"	Q-12	5	3,200	Ea.	315	120			435	50
	7100	Aluminum door and frame	↓	5	3,200	↓	325	120			445	50
	7200	Steel door and frame	↓	5	3,200	↓	430	120			550	60
	7300	Stainless steel door and frame										
	8000	Valve cabinet for 2-1/2" FD angle valve, 18" x 18" x 8"	Q-12	12	1,333	Ea.	104	50			154	100
	8100	Aluminum door and frame	↓	12	1,333	↓	86	50			136	175
	8200	Steel door and frame	↓	12	1,333	↓	140	50			190	232
	8300	Stainless steel door and frame										
300	0010	FIRE EXTINGUISHERS										
	0120	CO ₂ , portable with swivel horn, 5 lb.				Ea.	130				130	140
	0140	With hose and "H" horn, 10 lb.					160				160	175
	0160	15 lb.					190				190	205
	0180	20 lb.					220				220	242
	0360	Wheeled type, cart mounted, 50 lb.					1,200				1,200	1,325
	0400	100 lb.				↓	1,625				1,625	1,775
	1000	Dry chemical, pressurized										
	1040	Standard type, portable, painted, 2-1/2 lb.				Ea.	27.50				27.50	30.50
	1060	5 lb.					60				60	66
	1080	10 lb.					80				80	88
	1100	20 lb.					110				110	121
	1120	30 lb.					157				157	173
	1300	Standard type, wheeled, 150 lb.					1,600				1,600	1,750
	2000	ABC all purpose type, portable, 2-1/2 lb.					30				30	33
	2060	5 lb.					45				45	49.50
	2080	9-1/2 lb.					68				68	75
	2100	20 lb.					98				98	108
	2300	Wheeled, 45 lb.					650				650	719
	2360	150 lb.					1,600				1,600	1,750
	3000	Dry chemical, outside cartridge to 65°F, painted, 9 lb.					200				200	220
	3060	26 lb.					250				250	275
	5000	Pressurized water, 2-1/2 gallon, stainless steel					85				85	93.50
	5060	With anti-freeze					135				135	149
	9400	Installation of extinguishers, 12 or more, on wood	1 Carp	30	267			9.50			9.50	15.70
	9420	On masonry or concrete	*	15	533	↓		18.95			18.95	31.50

10520 | Fire Protection Specialties

10 SPECIALTIES

10525 Fire Prot. Specialties		CREW	DAILY OUTPUT	LABOR HOURS	UNIT	2006 BARE COSTS				TOTAL	TOTAL INC. 06
						MAT.	LABOR	EQUIP.			
200	5000	Hose rack assy., 2-1/2" x 1-1/2" valve, 100' hose and extinguisher, 30" x 40" x 8"									
	5010										
	5100	Aluminum door and frame			Q-12	5	3.200	Ea.	300	120	420
	5200	Steel door and frame			5	3.200		176	120	296	380
	5300	Stainless steel door and frame			5	3.200		335	120	455	500
	6000	Hose rack assy., 1-1/2" valve, 100' hose and 2-1/2" FD valve, 24" x 44" x 8"									
	6010										
	6100	Aluminum door and frame		Q-12	5	3.200	Ea.	268	120	388	480
	6200	Steel door and frame			5	3.200		171	120	291	375
	6300	Stainless steel door and frame			5	3.200		355	120	475	500
	7000	Hose rack assy., 1-1/2" valve & 100' hose, 2-1/2" FD valve and extinguisher, 30" x 44" x 8"									
	7010										
	7100	Aluminum door and frame		Q-12	5	3.200	Ea.	315	120	435	540
	7200	Steel door and frame			5	3.200		325	120	445	545
	7300	Stainless steel door and frame			5	3.200		430	120	550	660
	8000	Valve cabinet for 2-1/2" FD angle valve, 18" x 18" x 8"									
	8100	Aluminum door and frame		Q-12	12	1.333	Ea.	104	50	154	193
8200	Steel door and frame			12	1.333		86	50	136	173	
8300	Stainless steel door and frame			12	1.333		140	50	190	232	
300	0010	FIRE EXTINGUISHERS									
	0120	CO ₂ , portable with swivel horn, 5 lb.					Ea.	130		130	143
	0140	With hose and "H" horn, 10 lb.						160		160	176
	0160	15 lb.						190		190	209
	0180	20 lb.						220		220	242
	0360	Wheeled type, cart mounted, 50 lb.						1,200		1,200	1,325
	0400	100 lb.						1,625		1,625	1,775
	1000	Dry chemical, pressurized									
	1040	Standard type, portable, painted, 2-1/2 lb.					Ea.	27.50		27.50	30.50
	1060	5 lb.						60		60	66
	1080	10 lb.						80		80	88
	1100	20 lb.						110		110	121
	1120	30 lb.						157		157	173
	1300	Standard type, wheeled, 150 lb.						1,600		1,600	1,750
	2000	ABC all purpose type, portable, 2-1/2 lb.						30		30	33
	2060	5 lb.						45		45	49.50
	2080	9-1/2 lb.						68		68	75
	2100	20 lb.						98		98	108
	2300	Wheeled, 45 lb.						650		650	715
	2360	150 lb.						1,600		1,600	1,750
	3000	Dry chemical, outside cartridge to -65°F, painted, 9 lb.						200		200	220
	3060	26 lb.						250		250	275
5000	Pressurized water, 2-1/2 gallon, stainless steel						85		85	93.50	
5060	With anti-freeze						135		135	149	
9400	Installation of extinguishers, 12 or more, on wood		1 Carp	30	.267			9.50		9.50	15.30
9420	On masonry or concrete		"	15	.533			18.95		18.95	31.50

396

Bill of Sale

1 January, 2005

To: Oxford Natural Gas Company (ONG)
 5181 College Corner Pike
 Oxford, OH 45056

From: Byrnes Conway Company
 21 Bynreslake Ct
 Cincinnati, OH 45212

Re: GFC Leasing and Vermeer CX 234 Excavator, S# 172, And breaker

By and for consideration of \$34,000 BC will give title to ONG for the above equipment. ONG will make the final 4 payments to GFC Leasing of \$17,581 (\$3516.20 x 4) and pay BC the remainder of \$16,419.

OXFORD NATURAL GAS COMPANY

007934

Byrnes Conway
 Byrneslake Ct.
 Cincinnati, OH 45216

Check: 7934
 Date: 02/07/2005
 Vendor: BYRCO

<u>Invoice</u>	<u>P.O. Num.</u>	<u>Invoice Amt</u>	<u>Prior Balance</u>	<u>Retention</u>	<u>Discount</u>	<u>Amt. Paid</u>
05	FEB	16,419.00	16,419.00	0.00	0.00	16,419.00
		=====	=====	===	===	=====
		16,419.00	16,419.00	0.00	0.00	16,419.00