



www.ponderosaplastics.com

Order Desk 281-471-3221

Fax 281-471-3140

BILLING INFORMATION

TERMS:

Net 30 Days - U.S. Funds - F.O.B. La Porte, TX 77571

MINIMUM ORDER \$60.00 REQUIRED

GENERAL INFORMATION

STANDARD COLORS:

Tool Joint Protectors are Grey

Casing & Standard Tubing Protectors are Charcoal

Hydril PH6 Tubing Protectors & Pipe Chocks are Orange

Hydril CS Tubing Protectors are Blue

Sucker Rod Protectors are Black

Special company colors are available.

SAMPLES:

Always available for your inspection.

CUSTOM MOLDING:

We welcome your inquiry for any special requirements.

Quotations will be promptly returned

DISTRIBUTORS:

Ponderosa has Authorized Distributors in the following areas:

Mexico

Singapore

Venezuela

Western Canada

Please call for particulars.

CUSTOMER SERVICE

24 hour service!! When the customer places an order, we fill the total order, NOW. Your interest in our products is appreciated. We look forward to supplying your thread protector needs. Believing in our customers' future, we will continue to expand our line of protector products. Additionally, we will be happy to quote your special or custom requirements.



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PRODUCT INFORMATION

TOOL JOINT PROTECTORS

STRONGER -

Thicker protector from midway up to and including the shoulder - substantially! Shoulder seal protection where you need it with roughly 25% more prime polyethylene on the pin end.

EASIER ON-OFF -

Our ribs are thick, square & high. This not only further increases the protector's Tensile strength, your installers are able to grasp it easier, quicker and more surely for reliable fit.

NO MORE SPLITTING -

A molded in radius across the ribs (pin & box) prevents premature fractures which otherwise results in total protector failure. Ever wanted a protector that withstands more punishment? Just dish it out!

CASING & TUBING PROTECTORS

THREADED -

We offer a full line of threaded protectors for both tubing & casing. Our protectors cover:

EUE, NUE, 10rd, 8rd, STC, LTC, Buttress, Vam,
Sucker rods & Premium Hydril threads.

And they are made in regular weight & extra heavy duty thickness to meet your specific requirements. This line of protectors ranges in size from 5/8" to 13-3/8".

STA-FLEX -

Designed to meet your requirements for durability, strength and ease of application, STA-FLEX (patented) protectors contain four interrupted rows of flexible ribs or fins. When knocked on, the ribs double-back and interlock with the threads they protect. The result is a lock-tight, stay-on protector, regardless of abuse, temperature extremes or rolling pipe. To remove, simply unscrew. Sizes from 2 3/8" to 12 3/4". Built-in versatility eliminates the need for double inventories. STA-FLEX fits both STC & LTC and all thread configurations, i.e. 8rd, 8V, Buttress, VAM, etc.



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PRICE LIST

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EXTRA HEAVY DUTY EUE TUBING PROTECTORS (THREADED 8rd)

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|--------------------|------------------------------|-------|----------------|----------------|
| | | | --- QUANTITY --- 1 - 4999 | 5000+ | | |
| 2201 A * | 2-3/8" | EUE Pin Open End | 0.75 | 0.68 | 180 | 36 |
| 2203 A | 2-3/8" | EUE Pin Closed End | 0.75 | 0.68 | 180 | 45 |
| 2206 A * | 2-3/8" | EUE Box Open End | 0.75 | 0.68 | 216 | 23 |
| 2202 A | 2-3/8" | EUE Box Closed End | 0.75 | 0.68 | 216 | 26 |
| 2211 A * | 2-7/8" | EUE Pin Open End | 0.80 | 0.75 | 120 | 39 |
| 2213 A | 2-7/8" | EUE Pin Closed End | 0.80 | 0.75 | 120 | 42 |
| 2216 A * | 2-7/8" | EUE Box Open End | 0.80 | 0.75 | 150 | 20 |
| 2212 A | 2-7/8" | EUE Box Closed End | 0.80 | 0.75 | 150 | 23 |
| 2313 A | 3-1/2" | EUE Pin Closed End | 1.44 | 1.31 | 116 | 54 |
| 2411 A * | 4-1/2" | EUE Pin Open End | 2.27 | 2.18 | 105 | 52 |
| 2413 A | 4-1/2" | EUE Pin Closed End | 2.27 | 2.18 | 105 | 62 |
| 2416 A * | 4-1/2" | EUE Box Open End | 2.13 | 2.06 | 105 | 39 |
| 2412 A | 4-1/2" | EUE Box Closed End | 2.13 | 2.06 | 105 | 43 |

GROOVED COUPLING PROTECTORS FOR MODIFIED COUPLINGS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|--------------------|------------------------------|-------|----------------|----------------|
| | | | --- QUANTITY --- 1 - 4999 | 5000+ | | |
| 2204 A | 2-3/8" | EUE Box Closed End | 1.76 | 1.41 | 180 | 20 |
| 2214 A | 2-7/8" | EUE Box Closed End | 1.90 | 1.55 | 210 | 25 |
| 2314 A | 3-1/2" | EUE Box Closed End | 2.16 | 1.90 | 120 | 30 |

*NONSTOCK ITEMS - CALL FOR MINIMUM REQUIREMENTS



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THREADED EUE TUBING PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH ANY QUANTITY | PCS/ CARTON | LBS/ CARTON |
|-------------|-------------------------------|----------------------------|----------------|----------------|
| 7063 A | 3/4" Closed End Pin (10 rd) | 0.25 | 800 | 21 |
| 7062 A | Closed End Box | 0.25 | 800 | 21 |
| 7103 A | 1" Closed End Pin (10 rd) | 0.25 | 630 | 21 |
| 7102 A | Closed End Box | 0.25 | 630 | 21 |
| 7113 A | 1-1/4" Closed End Pin (10 rd) | 0.25 | 384 | 17 |
| 7112 A | Closed End Box | 0.25 | 384 | 17 |
| 7133 A | 1-1/2" Closed End Pin (10 rd) | 0.25 | 280 | 16 |
| 7132 A | Closed End Box | 0.25 | 280 | 15 |

| PART NUMBER | CONNECTION SIZE | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|----------------------------|------------------------------|-------|----------------|----------------|
| | | --- QUANTITY --- 1 - 4999 | 5000+ | | |
| 7201 A | 2-3/8" Open End Pin (8 rd) | 0.30 | 0.25 | 252 | 20 |
| 7203 A | Closed End Pin | 0.30 | 0.25 | 252 | 22 |
| 7202 A | Closed End Box | 0.30 | 0.25 | 252 | 24 |
| 7202 A-D* | Short Closed End Box | 0.44 | 0.44 | 240 | 15 |
| 7211 A | 2-7/8" Open End Pin (8rd) | 0.36 | 0.31 | 280 | 29 |
| 7213 A | Closed End Pin | 0.36 | 0.31 | 280 | 34 |
| 7212 A | Closed End Box | 0.36 | 0.31 | 245 | 30 |
| 7212 A-D* | Short Closed End Box | 0.52 | 0.52 | 280 | 31 |
| 7311 A | 3-1/2" Open End Pin (8rd) | 0.77 | 0.72 | 192 | 27 |
| 7313 A | Closed End Pin | 0.77 | 0.72 | 192 | 34 |
| 7312 A | Closed End Box | 0.77 | 0.72 | 144 | 34 |
| 7312 A-D* | Short Closed End Box | 0.91 | 0.91 | 192 | 34 |
| 7411 A* | 4-1/2" Open End Pin (8rd) | 1.22 | 1.16 | 90 | 23 |
| 7413 A | Closed End Pin | 1.22 | 1.16 | 90 | 30 |
| 7416 A* | Open End Box | 1.17 | 1.13 | 90 | 20 |
| 7412 A | Closed End Box | 1.17 | 1.13 | 90 | 23 |

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THREADED EUE TUBING PROTECTORS

FOR FIBERGLASS & STEEL PIPE

| PART NUMBER | CONNECTION SIZE | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|---------------------------|-----------------|-------|----------------|----------------|
| | | --- QUANTITY--- | | | |
| | | 1 - 4999 | 5000+ | | |
| | 2-3/8" EUE 8rd | | | | |
| 7203 A-E | Closed End Pin Long Skirt | 0.46 | 0.43 | 180 | 18 |
| 7202 A | Closed End Box | 0.30 | 0.25 | 252 | 24 |
| | 2-7/8" EUE 8rd | | | | |
| 7213 A-E | Closed End Pin Long Skirt | 0.57 | 0.51 | 175 | 24 |
| 7212 A | Closed End Box | 0.36 | 0.31 | 245 | 30 |
| | 3-1/2" EUE 8rd | | | | |
| 7313 A-E | Closed End Pin Long Skirt | 0.80 | 0.76 | 196 | 34 |
| 7312 A | Closed End Box | 0.77 | 0.72 | 144 | 34 |
| | 4-1/2" EUE 8rd | | | | |
| 7413 A-E | Closed End Pin Long Skirt | 1.29 | 1.22 | 90 | 30 |
| 7412 A | Closed End Box | 1.17 | 1.13 | 90 | 23 |
| 7416 A* | Open End Box | 1.17 | 1.13 | 90 | 20 |

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STA-FLEX EUE TUBING PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|---------------------------|------------------------------|-------|----------------|----------------|
| | | --- QUANTITY --- 1 - 4999 | 5000+ | | |
| 1201 A | 2-3/8" EUE Open End Pin | 0.30 | 0.25 | 252 | 18 |
| 1203 A | 2-3/8" EUE Closed End Pin | 0.30 | 0.25 | 252 | 20 |
| 1202 A | 2-3/8" EUE Closed End Box | 0.30 | 0.25 | 216 | 20 |
| 1211 A | 2-7/8" EUE Open End Pin | 0.36 | 0.31 | 245 | 23 |
| 1213 A* | 2-7/8" EUE Closed End Pin | 0.36 | 0.31 | 245 | 27 |
| 1212 A | 2-7/8" EUE Closed End Box | 0.36 | 0.31 | 245 | 29 |
| 1313 A | 3-1/2" EUE Closed End Pin | 0.77 | 0.72 | 212 | 32 |
| 1312 A | 3-1/2" EUE Closed End Box | 0.77 | 0.72 | 144 | 22 |
| 1403 A | 4 " O.D. Closed End Pin | 0.90 | 0.84 | 136 | 22 |

* NON STOCK ITEMS



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THREADED

NON-UP AND IJ TUBING PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH ANY QUANTITY | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------------|----------------------------|----------------|----------------|
| | 1 " Non-Upset 10rd | | | |
| 7103 B | Closed End Pin | 0.25 | 800 | 21 |
| 7102 B | Closed End Box | 0.25 | 800 | 21 |
| | 1-1/4" Non-Upset 10rd | | | |
| 7113 B | Closed End Pin | 0.25 | 486 | 18 |
| 7112 B | Closed End Box | 0.25 | 567 | 21 |
| | 1-1/2" Non-Upset 10rd | | | |
| 7133 B | Closed End Pin | 0.25 | 372 | 18 |
| 7132 B | Closed End Box | 0.25 | 384 | 19 |
| | 1 " I J 10rd | | | |
| 7103 R | Closed End Pin | 0.25 | 800 | 21 |
| 7102 R | Closed End Box | 0.25 | 800 | 21 |
| | 1-1/4" I J 10rd | | | |
| 7113 R | Closed End Pin | 0.25 | 486 | 18 |
| 7112 R | Closed End Box | 0.25 | 567 | 21 |
| | 1-1/2" I J 10rd | | | |
| 7133 R | Closed End Pin | 0.25 | 372 | 18 |
| 7132 R | Closed End Box | 0.25 | 384 | 19 |
| | 2-1/16" I J 10rd | | | |
| 7193 R | Closed End Pin | 0.25 | 280 | 16 |
| 7192 R | Closed End Box | 0.25 | 280 | 15 |



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NON UPSET 10RD TUBING PROTECTORS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|--------------------|------------|-----------|---------|----------------|----------------|
| | | | 1 - 999 | 1000-4999 | & 5000+ | | |
| 7203 B | 2-3/8" | NUE Pin Closed End | 0.41 | 0.39 | 0.37 | 336 | 23 |
| 7202 B | 2-3/8" | NUE Box Closed End | 0.41 | 0.39 | 0.37 | 294 | 22 |
| 7213 B | 2-7/8" | NUE Pin Closed End | 0.51 | 0.47 | 0.44 | 294 | 32 |
| 7212 B | 2-7/8" | NUE Box Closed End | 0.51 | 0.47 | 0.44 | 294 | 33 |
| 7313 B | 3-1/2" | NUE Pin Closed End | 0.77 | 0.75 | 0.72 | 192 | 28 |
| 7312 B | 3-1/2" | NUE Box Closed End | 0.77 | 0.75 | 0.72 | 168 | 26 |



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EXTRA HEAVY DUTY

NON UPSET 10RD TUBING PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|---------------------------|------------------|-------|----------------|----------------|
| | | --- QUANTITY --- | | | |
| | | 1 - 4999 | 5000+ | | |
| 2203 B | 2-3/8" NUE Pin Closed End | 0.75 | 0.68 | 252 | 43 |
| 2213 B | 2-7/8" NUE Pin Closed End | 0.80 | 0.75 | 150 | 35 |



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STA-FLEX NON-UPSET TUBING PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON |
|-------------|---------------------------|------------|-----------|-------|----------------|----------------|
| | | 1-999 | 1000-4999 | 5000+ | | |
| 1203 B | 2-3/8" NUE Pin Closed End | 0.41 | 0.39 | 0.37 | 360 | 25 |
| 1202 B | 2-3/8" NUE Box Closed End | 0.41 | 0.39 | 0.37 | 336 | 21 |
| 1213 B | 2-7/8" NUE Pin Closed End | 0.51 | 0.47 | 0.44 | 352 | 34 |
| 1212 B | 2-7/8" NUE Box Closed End | 0.51 | 0.47 | 0.44 | 275 | 26 |
| 1313 B | 3-1/2" NUE Pin Closed End | 0.77 | 0.75 | 0.72 | 198 | 26 |
| 1312 B | 3-1/2" NUE Box Closed End | 0.77 | 0.75 | 0.72 | 198 | 28 |



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THREADED

EXTRA HEAVY DUTY BUTTRESS PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|--------------------------------|------------------|-------|----------------|----------------|
| | | --- QUANTITY --- | | | |
| | | 1 - 2499 | 2500+ | | |
| 2203 U | 2-3/8" Buttress Pin Closed End | 1.27 | 1.18 | 75 | 22 |
| 2213 U | 2-7/8" Buttress Pin Closed End | 1.53 | 1.47 | 100 | 37 |
| 2313 U | 3-1/2" Buttress Pin Closed End | 1.74 | 1.67 | 96 | 45 |
| 2312 U | 3-1/2" Buttress Box Closed End | 1.74 | 1.67 | 100 | 20 |

NOTE:

BOX END FOR 2 3/8" & 2 7/8" VAM WILL FIT BUTTRESS BOX



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EXTRA HEAVY DUTY VAM TYPE PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|---------------------------|------------------------------|-------|----------------|----------------|
| | | --- QUANTITY --- 1 - 2499 | 2500+ | | |
| 2201 Y * | 2-3/8" VAM Pin Open End | 1.18 | 1.13 | 180 | 37 |
| 2203 Y | 2-3/8" VAM Pin Closed End | 1.18 | 1.13 | 180 | 40 |
| 2202 Y | 2-3/8" VAM Box Closed End | 1.18 | 1.13 | 294 | 25 |
| 2211 Y * | 2-7/8" VAM Pin Open End | 1.47 | 1.39 | 125 | 36 |
| 2213 Y | 2-7/8" VAM Pin Closed End | 1.47 | 1.39 | 125 | 38 |
| 2212 Y | 2-7/8" VAM Box Closed End | 1.47 | 1.39 | 180 | 26 |
| 2311 Y * | 3-1/2" VAM Pin Open End | 1.67 | 1.55 | 64 | 25 |
| 2313 Y | 3-1/2" VAM Pin Closed End | 1.67 | 1.55 | 64 | 28 |
| 2312 Y | 3-1/2" VAM Box Closed End | 1.67 | 1.55 | 100 | 23 |
| 2411 Y * | 4-1/2" VAM Pin Open End | 2.35 | 2.20 | 60 | 36 |
| 2413 Y | 4-1/2" VAM Pin Closed End | 2.35 | 2.20 | 60 | 40 |
| 2412 Y | 4-1/2" VAM Box Closed End | 2.35 | 2.20 | 48 | 18 |

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HYDRIL TYPE PROTECTORS

EXTRA HEAVY DUTY * BETTER THAN STEEL

| PART NUMBER | CONNECTION SIZE | PRICE EACH ANY QUANTITY | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|----------------------------|----------------|----------------|
| 2203 J | 2-3/8" PH 6 PIN | 1.56 | 125 | 30 |
| 2202 J | 2-3/8" PH 6 BOX | 1.51 | 324 | 32 |
| 2213 J | 2-7/8" PH 6 PIN | 1.71 | 120 | 32 |
| 2212 J | 2-7/8" PH 6 BOX | 1.60 | 225 | 29 |
| 2313 J | 3-1/2" PH 6 PIN | 2.12 | 100 | 40 |
| 2312 J | 3-1/2" PH 6 BOX | 2.01 | 128 | 31 |

NOTE:

PIN END FOR 2 3/8" & 2 7/8" WILL ALSO FIT DSS, SEAL-LOCK & NU-LOCK



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HYDRIL TYPE PROTECTORS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH ANY QUANTITY | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|--------|----------------------------|----------------|----------------|
| 7063 K | 3/4" | CS PIN | 0.61 | 663 | 21 |
| 7062 K | 3/4" | CS BOX | 0.61 | 1100 | 18 |
| 7103 K | 1" | CS PIN | 0.61 | 456 | 20 |
| 7102 K | 1" | CS BOX | 0.61 | 810 | 20 |
| 7113 K | 1-1/4" | CS PIN | 0.63 | 342 | 18 |
| 7112 K | 1-1/4" | CS BOX | 0.63 | 500 | 17 |
| 7133 K | 1-1/2" | CS PIN | 0.66 | 252 | 16 |
| 7132 K | 1-1/2" | CS BOX | 0.66 | 450 | 17 |
| 7193 K | 2-1/16" | CS PIN | 0.70 | 200 | 14 |
| 7192 K | 2-1/16" | CS BOX | 0.70 | 385 | 16 |
| 7203 K | 2-3/8" | CS PIN | 0.70 | 252 | 24 |
| 7202 K | 2-3/8" | CS BOX | 0.70 | 360 | 16 |
| 7213 K | 2-7/8" | CS PIN | 0.72 | 245 | 30 |
| 7212 K | 2-7/8" | CS BOX | 0.72 | 425 | 25 |
| 7313 K | 3-1/2" | CS PIN | 0.94 | 144 | 31 |
| 7312 K | 3-1/2" | CS BOX | 0.94 | 132 | 15 |

NOTE:

BOX END FOR 2 3/8" & 2 7/8" WILL ALSO FIT DSS, SEAL-LOCK & NU-LOCK



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THREADED EXTRA HEAVY DUTY BUTTRESS PROTECTORS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|-----------------|------------|-------|-----|----------------|----------------|
| | | | 1 - 2499 | 2500+ | --- | | |
| 5413 U | 4 1/2" | BUTTRESS CE PIN | 2.45 | 2.38 | | 60 | 39 |
| 5412 U | 4 1/2" | BUTTRESS CE BOX | 2.45 | 2.38 | | 60 | 16 |
| 5511 U* | 5 1/2" | BUTTRESS OE PIN | 2.93 | 2.79 | | 60 | 54 |
| 5513 U | 5 1/2" | BUTTRESS CE PIN | 2.93 | 2.79 | | 60 | 56 |
| 5653 U | 6 5/8" | BUTTRESS CE PIN | 3.16 | 3.04 | | 28 | 31 |
| 5652 U | 6 5/8" | BUTTRESS CE BOX | 3.16 | 3.04 | | 40 | 33 |
| 5701 U* | 7" | BUTTRESS OE PIN | 3.34 | 3.07 | | 30 | 31 |
| 5703 U | 7" | BUTTRESS CE PIN | 3.42 | 3.14 | | 30 | 33 |
| 5901 U* | 9-5/8" | BUTTRESS OE PIN | 5.30 | 4.97 | | 15 | 27 |

REGULAR WEIGHT BUTTRESS PROTECTORS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|-----------------|------------|-----------|---------|----------------|----------------|
| | | | 1 - 999 | 1000-4999 | & 5000+ | | |
| 8512 U | 5-1/2" | BUTTRESS CE BOX | 1.09 | 1.06 | 1.00 | 84 | 38 |
| 8516 U* | 5-1/2" | BUTTRESS OE BOX | 1.09 | 1.06 | 1.00 | 84 | 34 |
| 8702 U | 7" | BUTTRESS CE BOX | 1.61 | 1.56 | 1.48 | 44 | 31 |
| 8706 U* | 7" | BUTTRESS OE BOX | 1.56 | 1.50 | 1.44 | 44 | 27 |
| 8901 U* | 9-5/8" | BUTTRESS OE PIN | 2.66 | 2.39 | 2.22 | 28 | 26 |
| 8903 U | 9-5/8" | BUTTRESS CE PIN | 2.74 | 2.46 | 2.28 | 28 | 31 |

OE = OPEN END PROTECTOR
CE = CLOSED END PROTECTOR
*NON STOCK ITEMS



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THREADED EXTRA HEAVY DUTY CASING PROTECTORS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|----------------------|--------|------------------------------|-------|----------------|----------------|
| | | | --- QUANTITY --- 1 - 2499 | 2500+ | | |
| 5411 M* | 4-1/2" STC | OE PIN | 2.76 | 2.63 | 60 | 35 |
| 5413 M | 4-1/2" STC | CE PIN | 2.76 | 2.63 | 60 | 38 |
| 5411 N* | 4-1/2" LTC | OE PIN | 2.76 | 2.63 | 60 | 35 |
| 5413 N | 4-1/2" LTC | CE PIN | 2.76 | 2.63 | 60 | 38 |
| 5412 L* | 4-1/2" STC & LTC | CE BOX | 2.50 | 2.36 | 120 | 43 |
| 5416 L* | 4-1/2" STC & LTC | OE BOX | 2.50 | 2.36 | 120 | 38 |
| 5410 * | 4-1/2" ARCTIC INSERT | | 1.04 | 1.00 | 180 | 43 |
| 5511 M* | 5-1/2" STC | OE PIN | 2.90 | 2.76 | 60 | 45 |
| 5513 M | 5-1/2" STC | CE PIN | 2.90 | 2.76 | 60 | 51 |
| 5511 N* | 5-1/2" LTC | OE PIN | 2.90 | 2.76 | 60 | 45 |
| 5513 N | 5-1/2" LTC | CE PIN | 2.90 | 2.76 | 60 | 51 |
| 5512 L | 5-1/2" STC & LTC | CE BOX | 2.63 | 2.50 | 60 | 38 |
| 5510* | 5-1/2" ARCTIC INSERT | | 1.12 | 1.08 | 100 | 37 |
| 5701 M* | 7" STC | OE PIN | 3.30 | 3.04 | 36 | 41 |
| 5703 M | 7" STC | CE PIN | 3.37 | 3.11 | 36 | 46 |
| 5701 N* | 7" LTC | OE PIN | 3.30 | 3.04 | 36 | 41 |
| 5703 N | 7" LTC | CE PIN | 3.37 | 3.11 | 36 | 46 |
| 5702 L | 7" STC & LTC | CE BOX | 3.04 | 2.76 | 44 | 33 |
| 5700* | 7" ARCTIC INSERT | | 1.20 | 1.14 | 66 | 31 |
| 5851 M* | 8-5/8" STC | OE PIN | 4.26 | 3.84 | 30 | 40 |
| 5853 M* | 8-5/8" STC | CE PIN | 4.31 | 3.91 | 30 | 44 |

OE = OPEN END PROTECTOR
 CE = CLOSED END PROTECTOR

ARCTIC INSERT IS TO GO WITH OPEN END PIN TO
 MAKE CLOSED END PROTECTOR DOWN INSIDE OF PIPE
 *NONSTOCK ITEMS - CALL FOR MINIMUM REQUIREMENTS



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THREADED CASING PROTECTORS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON |
|-------------|------------------|--------|------------------|---------|-----------|----------------|----------------|
| | | | --- QUANTITY --- | 1 - 999 | 1000-4999 | | |
| 8411 M | 4-1/2" STC | OE PIN | 0.90 | 0.86 | 0.83 | 180 | 39 |
| 8413 M | 4-1/2" STC | CE PIN | 0.90 | 0.86 | 0.83 | 180 | 44 |
| 8411 N | 4-1/2" LTC | OE PIN | 0.90 | 0.86 | 0.83 | 160 | 38 |
| 8413 N | 4-1/2" LTC | CE PIN | 0.90 | 0.86 | 0.83 | 160 | 42 |
| 8412 L | 4-1/2" STC & LTC | CE BOX | 0.86 | 0.84 | 0.79 | 160 | 33 |
| 8416 L | 4-1/2" STC & LTC | OE BOX | 0.86 | 0.84 | 0.79 | 160 | 28 |
| 8511 M | 5-1/2" STC | OE PIN | 1.08 | 1.02 | 0.98 | 108 | 30 |
| 8513 M | 5-1/2" STC | CE PIN | 1.08 | 1.02 | 0.98 | 108 | 36 |
| 8511 N | 5-1/2" LTC | OE PIN | 1.08 | 1.02 | 0.98 | 84 | 27 |
| 8513 N | 5-1/2" LTC | CE PIN | 1.08 | 1.02 | 0.98 | 84 | 32 |
| 8512 L | 5-1/2" STC & LTC | CE BOX | 1.04 | 1.00 | 0.94 | 84 | 26 |
| 8516 L | 5-1/2" STC & LTC | OE BOX | 1.04 | 1.00 | 0.94 | 84 | 22 |
| 8701 M | 7" STC | OE PIN | 1.53 | 1.48 | 1.40 | 74 | 28 |
| 8703 M | 7" STC | CE PIN | 1.59 | 1.53 | 1.47 | 74 | 35 |
| 8701 N | 7" LTC | OE PIN | 1.59 | 1.53 | 1.45 | 59 | 32 |
| 8703 N | 7" LTC | CE PIN | 1.63 | 1.58 | 1.52 | 59 | 37 |
| 8702 L | 7" STC & LTC | CE BOX | 1.55 | 1.51 | 1.43 | 44 | 22 |
| 8706 L | 7" STC & LTC | OE BOX | 1.51 | 1.44 | 1.38 | 44 | 17 |

OE = OPEN END PROTECTOR
 CE = CLOSED END PROTECTOR



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PRICE LIST

October 2008

THREADED CASING PROTECTORS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON |
|-------------|------------------|---------|------------|-----------|-------|----------------|----------------|
| | | | 1 - 999 | 1000-4999 | 5000+ | | |
| 8851 M | 8-5/8" STC | OE PIN | 1.92 | 1.82 | 1.66 | 30 | 27 |
| 8853 M | 8-5/8" STC | CE PIN | 2.00 | 1.91 | 1.74 | 30 | 31 |
| 8851 N | 8-5/8" LTC | OE PIN | 1.99 | 1.90 | 1.72 | 25 | 24 |
| 8853 N | 8-5/8" LTC | CE PIN | 2.06 | 1.96 | 1.78 | 25 | 29 |
| 8852 L | 8-5/8" STC & LTC | CCE BOX | 1.87 | 1.76 | 1.60 | 38 | 26 |
| 8856 L | 8-5/8" STC & LTC | COE BOX | 1.79 | 1.69 | 1.53 | 38 | 20 |
| 8901 M | 9-5/8" STC | OE PIN | 2.54 | 2.28 | 2.10 | 24 | 27 |
| 8903 M | 9-5/8" STC | CE PIN | 2.62 | 2.35 | 2.16 | 24 | 31 |
| 8901 N | 9-5/8" LTC | OE PIN | 2.54 | 2.28 | 2.10 | 24 | 27 |
| 8903 N | 9-5/8" LTC | CE PIN | 2.62 | 2.35 | 2.16 | 24 | 31 |
| 8902 L | 9-5/8" STC & LTC | CE BOX | 2.62 | 2.35 | 2.16 | 30 | 22 |
| 8906 L | 9-5/8" STC & LTC | OE BOX | 2.54 | 2.28 | 2.10 | 30 | 16 |
| 8921 M | 11-3/4" STC | OE PIN | 3.76 | 3.63 | 3.50 | 16 | 25 |
| 8941 M | 13-3/8" STC | OE PIN | 4.15 | 3.94 | 3.82 | 27 | 36 |
| 8946 M | 13-3/8" STC | OE BOX | 4.15 | 3.94 | 3.82 | 22 | 32 |

OE = OPEN END PROTECTOR
 CE = CLOSED END PROTECTOR



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THREADED CASING PROTECTORS WITH SPANNER HOLES

| PART NUMBER | CONNECTION SIZE | | | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON |
|-------------|------------------|---------|--|------------------|-----------|-------|----------------|----------------|
| | | | | --- QUANTITY --- | | | | |
| | | | | 1 - 999 | 1000-4999 | 5000+ | | |
| 8413M-H* | 4-1/2" STC | CE PIN | | 0.90 | 0.86 | 0.83 | 180 | 44 |
| 8413N-H* | 4-1/2" LTC | CE PIN | | 0.90 | 0.86 | 0.83 | 160 | 42 |
| 8412L-H* | 4-1/2" STC & LTC | CCE BOX | | 0.86 | 0.84 | 0.79 | 160 | 33 |
| 8513M-H* | 5-1/2" STC | CE PIN | | 1.08 | 1.02 | 0.98 | 108 | 36 |
| 8513N-H* | 5-1/2" LTC | CE PIN | | 1.08 | 1.02 | 0.98 | 84 | 32 |
| 8512L-H* | 5-1/2" STC & LTC | CCE BOX | | 1.04 | 1.00 | 0.94 | 84 | 26 |
| 8703M-H* | 7" STC | CE PIN | | 1.59 | 1.53 | 1.47 | 74 | 36 |
| 8703N-H* | 7" LTC | CE PIN | | 1.63 | 1.58 | 1.52 | 59 | 32 |
| 8702L-H* | 7" STC & LTC | CE BOX | | 1.55 | 1.51 | 1.43 | 44 | 21 |
| 8853M-H* | 8-5/8" STC | CE PIN | | 2.00 | 1.91 | 1.74 | 30 | 28 |
| 8852L-H* | 8-5/8" STC & LTC | CCE BOX | | 1.87 | 1.76 | 1.60 | 38 | 26 |

EXTRA HEAVY DUTY CASING PROTECTORS WITH SPANNER HOLES

| PART NUMBER | CONNECTION SIZE | | | PRICE EACH | | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|--------|--|------------------|-------|----------------|----------------|
| | | | | --- QUANTITY --- | | | |
| | | | | 1 - 2499 | 2500+ | | |
| 5703M-H* | 7" STC | CE PIN | | 3.37 | 3.11 | 36 | 46 |
| 5703N-H* | 7" LTC | CE PIN | | 3.37 | 3.11 | 36 | 46 |

SPANNER HOLES ARE 1/2" HOLES IN THE FACE OF CLOSED END PROTECTORS
WHICH ALLOW FOR EASY & SECURE APPLICATION WITH AN AIR WRENCH

*NONSTOCK ITEMS—CALL FOR MINIMUM REQUIREMENTS



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STA-FLEX CASING PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON | |
|-------------|----------------------|------------------|---------|-----------|----------------|----------------|-------|
| | | --- QUANTITY --- | 1 - 999 | 1000-4999 | | | 5000+ |
| 3411 L | 4-1/2" STC & LTC PIN | | 0.90 | 0.86 | 0.83 | 130 | 32 |
| 3416 L | 4-1/2" STC & LTC BOX | | 0.86 | 0.84 | 0.79 | 160 | 26 |
| 3501 L | 5 " STC & LTC PIN | | 0.98 | 0.94 | 0.91 | 98 | 33 |
| 3506 L | 5 " STC & LTC BOX | | 0.94 | 0.92 | 0.89 | 110 | 25 |
| 3511 L | 5-1/2" STC & LTC PIN | | 1.08 | 1.02 | 0.98 | 84 | 30 |
| 3516 L | 5-1/2" STC & LTC BOX | | 1.04 | 1.00 | 0.94 | 96 | 21 |
| 3651 L | 6-5/8" STC & LTC PIN | | 1.47 | 1.40 | 1.35 | 77 | 43 |
| 3656 L | 6-5/8" STC & LTC BOX | | 1.43 | 1.38 | 1.31 | 59 | 22 |
| 3701 L | 7 " STC & LTC PIN | | 1.53 | 1.48 | 1.40 | 42 | 25 |
| 3706 L | 7 " STC & LTC BOX | | 1.51 | 1.44 | 1.38 | 45 | 19 |
| 3751 L | 7-5/8" STC & LTC PIN | | 1.59 | 1.53 | 1.48 | 45 | 26 |
| 3756 L | 7-5/8" STC & LTC BOX | | 1.55 | 1.51 | 1.44 | 45 | 20 |
| 3851 M | 8-5/8" STC PIN | | 1.82 | 1.72 | 1.55 | 60 | 41 |
| 3856 L | 8-5/8" STC & LTC BOX | | 1.79 | 1.69 | 1.53 | 50 | 28 |
| 3901 L | 9-5/8" STC & LTC PIN | | 2.54 | 2.28 | 2.13 | 42 | 41 |
| 3906 L | 9-5/8" STC & LTC BOX | | 2.54 | 2.28 | 2.13 | 65 | 28 |
| 3911 M | 10-3/4" STC PIN | | 2.62 | 2.35 | 2.18 | 22 | 18 |
| 3916 M | 10-3/4" STC BOX | | 2.62 | 2.35 | 2.18 | 24 | 15 |



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STA-FLEX LINE PIPE PROTECTORS

| PART NUMBER | CONNECTION SIZE | | PRICE EACH | | | PCS/ CARTON | LBS/ CARTON |
|-------------|-----------------|----------------|------------------|-----------|-------|----------------|----------------|
| | | | --- QUANTITY --- | | | | |
| | | | 1 - 999 | 1000-4999 | 5000+ | | |
| 1203 T | 2 " | Line Pipe PIN | 0.41 | 0.39 | 0.37 | 360 | 24 |
| 1202 T | | Closed End BOX | 0.41 | 0.39 | 0.37 | 336 | 21 |
| 1213 T | 2-1/2" | Line Pipe PIN | 0.51 | 0.47 | 0.44 | 352 | 34 |
| 1212 T | | Closed End BOX | 0.51 | 0.47 | 0.44 | 275 | 26 |
| 1313 T | 3 " | Line Pipe PIN | 0.77 | 0.75 | 0.72 | 198 | 26 |
| 1312 T | | Closed End BOX | 0.77 | 0.75 | 0.72 | 198 | 28 |
| 3411 T | 4 " | Line Pipe PIN | 0.90 | 0.86 | 0.83 | 130 | 32 |
| 3416 T * | | Open End BOX | 0.86 | 0.84 | 0.79 | 140 | 18 |
| 3591 T | 5-9/16" | Line Pipe PIN | 1.15 | 1.12 | 1.05 | 108 | 27 |
| 3596 T * | | Open End BOX | 1.05 | 1.00 | 0.94 | 90 | 14 |
| 3651 T | 6 " | Line Pipe PIN | 1.47 | 1.40 | 1.35 | 77 | 43 |
| 3656 T | | Open End BOX | 1.43 | 1.38 | 1.31 | 80 | 19 |
| 3851 T | 8 " | Line Pipe PIN | 1.82 | 1.72 | 1.55 | 60 | 41 |
| 3856 T | | Open End BOX | 1.79 | 1.69 | 1.53 | 50 | 18 |
| 3911 T | 10 " | Line Pipe PIN | 2.62 | 2.35 | 2.18 | 22 | 18 |
| 3916 T | | Open End BOX | 2.62 | 2.35 | 2.18 | 24 | 15 |
| 3931 T | 12-3/4" | Line Pipe PIN | 4.04 | 3.83 | 3.75 | 26 | 26 |

* SAME PART AS 4 ½ OR 5 ½ CASING MAY NOT DRIVE FULLY INTO SHORT THREADS



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TOOL JOINT PROTECTORS

| PART NUMBER | CONNECTION SIZE | | | PRICE EACH | | | | PCS/ CTN | LBS/ CTN |
|-------------|-----------------|---------|-----|----------------------|-------------|-------------|-------|-------------|-------------|
| | | | | ----- QUANTITY ----- | | | | | |
| | | | | 1-99 | 100 -499 | 500 -999 | 1000+ | | |
| 6171 D | 2" | API IF | PIN | 1.99 | 1.74 | 1.60 | 1.39 | 150 | 20 |
| 6176 D | | | BOX | 1.87 | 1.61 | 1.48 | 1.35 | 200 | 16 |
| 6201 C | 2-3/8" | API REG | PIN | 1.99 | 1.74 | 1.60 | 1.39 | 180 | 37 |
| 6206 C | | | BOX | 1.87 | 1.61 | 1.48 | 1.35 | 252 | 26 |
| 6201 E | 2-3/8" | MAYHEW | PIN | 1.99 | 1.74 | 1.60 | 1.39 | 150 | 34 |
| 6206 E | | REGULAR | BOX | 1.87 | 1.61 | 1.48 | 1.35 | 180 | 22 |
| 6201 W | 2-3/8" | MAYHEW | PIN | 1.99 | 1.74 | 1.60 | 1.39 | 120 | 18 |
| 6206 W | | JR. | BOX | 1.87 | 1.61 | 1.48 | 1.35 | 120 | 12 |
| 6201 D | 2-3/8" | API IF | PIN | 1.99 | 1.74 | 1.60 | 1.39 | 150 | 36 |
| 6206 D | | | BOX | 1.87 | 1.61 | 1.48 | 1.35 | 180 | 23 |
| 6201 Q | 2-3/8" | PAC | PIN | 1.99 | 1.74 | 1.60 | 1.39 | 120 | 16 |
| 6206 Q | | | BOX | 1.87 | 1.61 | 1.48 | 1.35 | 120 | 13 |
| 6211 C | 2-7/8" | API REG | PIN | 2.04 | 1.77 | 1.63 | 1.43 | 120 | 31 |
| 6216 C | | | BOX | 1.92 | 1.67 | 1.53 | 1.39 | 150 | 21 |
| 6211 D | 2-7/8" | API IF | PIN | 2.04 | 1.77 | 1.63 | 1.43 | 150 | 45 |
| 6216 D | | | BOX | 1.92 | 1.67 | 1.53 | 1.39 | 210 | 35 |
| 6211 I | 2-7/8" | API H90 | PIN | 2.06 | 1.79 | 1.67 | 1.47 | 140 | 27 |
| 6216 I | | | BOX | 1.94 | 1.69 | 1.55 | 1.41 | 125 | 20 |



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TOOL JOINT PROTECTORS

| PART NUMBER | CONNECTION SIZE | | | PRICE EACH | | | | PCS/ CTN | LBS/ CTN |
|-------------|-----------------|---------|-----|----------------------|-------------|-------------|-------|-------------|-------------|
| | | | | ----- QUANTITY ----- | | | | | |
| | | | | 1-99 | 100 -499 | 500 -999 | 1000+ | | |
| 6211 H | 2-7/8" | AOH | PIN | 2.04 | 1.77 | 1.63 | 1.43 | 140 | 30 |
| 6216 H | | | BOX | 1.92 | 1.67 | 1.53 | 1.39 | 125 | 15 |
| 6211 Q | 2-7/8" | PAC | PIN | 2.04 | 1.77 | 1.63 | 1.43 | 210 | 30 |
| 6216 Q | | | BOX | 1.92 | 1.67 | 1.53 | 1.39 | 216 | 22 |
| 6311 C | 3-1/2" | API REG | PIN | 2.25 | 2.06 | 1.86 | 1.59 | 120 | 34 |
| 6316 C | | | BOX | 2.10 | 1.91 | 1.71 | 1.47 | 180 | 32 |
| 6311 D | 3-1/2" | API IF | PIN | 2.25 | 2.06 | 1.86 | 1.59 | 100 | 43 |
| 6316 D | | | BOX | 2.10 | 1.91 | 1.71 | 1.47 | 140 | 35 |
| 6311 F | 3-1/2" | API FH | PIN | 2.25 | 2.06 | 1.86 | 1.59 | 64 | 25 |
| 6316 F | | | BOX | 2.10 | 1.91 | 1.71 | 1.47 | 150 | 29 |
| 6311 G | 3-1/2" | API XH | PIN | 2.25 | 2.06 | 1.86 | 1.59 | 128 | 46 |
| 6316 G | | | BOX | 2.10 | 1.91 | 1.71 | 1.47 | 150 | 35 |
| 6311 Z | NC-35 | API | PIN | 2.30 | 2.12 | 1.92 | 1.63 | 100 | 43 |
| 6316 Z | | | BOX | 2.30 | 2.12 | 1.92 | 1.63 | 96 | 31 |
| 6401 D | 4-1/2" | API XH | PIN | 2.51 | 2.25 | 1.98 | 1.71 | 84 | 45 |
| 6406 D | or 4" | API IF | BOX | 2.36 | 2.10 | 1.76 | 1.54 | 105 | 29 |
| 6401 F | 4 " | API FH | PIN | 2.37 | 2.15 | 1.91 | 1.63 | 80 | 40 |
| 6406 F | | | BOX | 2.24 | 2.00 | 1.74 | 1.52 | 108 | 41 |



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TOOL JOINT PROTECTORS

| PART NUMBER | CONNECTION SIZE | | | PRICE EACH | | | | PCS/ CTN | LBS/ CTN |
|-------------|-----------------|---------|-----|----------------------|-------------|-------------|-------|-------------|-------------|
| | | | | ----- QUANTITY ----- | | | | | |
| | | | | 1-99 | 100 -499 | 500 -999 | 1000+ | | |
| 6401 I | 4 " | API H90 | PIN | 2.39 | 2.17 | 1.93 | 1.68 | 63 | 34 |
| 6406 I | | | BOX | 2.27 | 2.04 | 1.76 | 1.54 | 96 | 35 |
| 6411 C | 4-1/2" | API REG | PIN | 2.62 | 2.38 | 2.01 | 1.81 | 72 | 35 |
| 6416 C | | | BOX | 2.37 | 2.12 | 1.77 | 1.56 | 105 | 30 |
| 6411 D | 4-1/2" | API IF | PIN | 2.62 | 2.38 | 2.01 | 1.81 | 72 | 41 |
| 6416 D | or 5 " | API XH | BOX | 2.37 | 2.12 | 1.77 | 1.56 | 72 | 26 |
| 6411 F | 4-1/2" | API FH | PIN | 2.48 | 2.22 | 1.94 | 1.68 | 108 | 49 |
| 6416 F | | | BOX | 2.35 | 2.09 | 1.75 | 1.54 | 120 | 32 |
| 6411 I | 4-1/2" | API H90 | PIN | 2.63 | 2.39 | 2.04 | 1.82 | 84 | 46 |
| 6416 I | | | BOX | 2.38 | 2.13 | 1.78 | 1.59 | 84 | 28 |
| 6501 I | 5" | API H90 | PIN | 2.68 | 2.45 | 2.09 | 1.89 | 60 | 39 |
| 6506 I | | | BOX | 2.44 | 2.17 | 1.85 | 1.63 | 84 | 27 |
| 6511 C | 5-1/2" | API REG | PIN | 2.77 | 2.54 | 2.17 | 1.98 | 72 | 41 |
| 6516 C | | | BOX | 2.53 | 2.24 | 1.91 | 1.71 | 72 | 31 |
| 6511 D | 5-1/2" | API IF | PIN | 3.61 | 3.42 | 3.28 | 3.07 | 48 | 41 |
| 6516 D | | | BOX | 3.61 | 3.42 | 3.28 | 3.07 | 47 | 25 |
| 6511 F | 5-1/2" | API FH | PIN | 2.92 | 2.74 | 2.60 | 2.39 | 45 | 39 |
| 6516 F | | | BOX | 2.92 | 2.74 | 2.60 | 2.39 | 45 | 24 |



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TOOL JOINT PROTECTORS

| PART NUMBER | CONNECTION SIZE | | | PRICE EACH | | | | PCS/ CTN | LBS/ CTN |
|-------------|-----------------|---------|-----|----------------------|-------------|-------------|-------|-------------|-------------|
| | | | | ----- QUANTITY ----- | | | | | |
| | | | | 1-99 | 100 -499 | 500 -999 | 1000+ | | |
| 6511 I | 5-1/2" | API H90 | PIN | 2.78 | 2.55 | 2.18 | 1.99 | 54 | 38 |
| 6516 I | | | BOX | 2.78 | 2.55 | 2.18 | 1.99 | 84 | 36 |
| 6511 O | NC-56 | | PIN | 3.61 | 3.42 | 3.28 | 3.07 | 48 | 39 |
| 6516 O | | | BOX | 3.61 | 3.42 | 3.28 | 3.07 | 40 | 22 |
| 6651 C | 6-5/8" | API REG | PIN | 3.04 | 2.70 | 2.48 | 2.24 | 49 | 36 |
| 6656 C | | | BOX | 3.04 | 2.70 | 2.48 | 2.24 | 48 | 26 |
| 6651 D | 6-5/8" | API IF | PIN | 3.78 | 3.59 | 3.45 | 3.25 | 36 | 38 |
| 6656 D | | | BOX | 3.78 | 3.59 | 3.45 | 3.25 | 33 | 24 |
| 6651 F | 6-5/8" | API FH | PIN | 3.24 | 2.91 | 2.64 | 2.44 | 42 | 36 |
| 6656 F | | | BOX | 3.24 | 2.91 | 2.64 | 2.44 | 35 | 20 |
| 6651 I | 6-5/8" | API H90 | PIN | 3.06 | 2.74 | 2.51 | 2.27 | 49 | 42 |
| 6656 I | | | BOX | 3.06 | 2.74 | 2.51 | 2.27 | 56 | 27 |
| 6651 P | 6-5/8" | API REG | PIN | 4.39 | 4.06 | 3.83 | 3.59 | 49 | 37 |
| 6656 P | (LEFT HAND) | | BOX | 4.39 | 4.06 | 3.83 | 3.59 | 48 | 25 |
| 6751 C | 7-5/8" | API REG | PIN | 3.62 | 3.22 | 3.02 | 2.94 | 48 | 49 |
| 6756 C | | | BOX | 3.62 | 3.22 | 3.02 | 2.94 | 48 | 36 |
| 6751 I | 7-5/8" | API H90 | PIN | 3.75 | 3.36 | 3.15 | 3.08 | 28 | 41 |
| 6756 I | | | BOX | 3.75 | 3.36 | 3.15 | 3.08 | 22 | 30 |



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PRICE LIST

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THREADED

SUCKER AND POLISH ROD PROTECTORS

| PART NUMBER | CONNECTION SIZE | PRICE EACH ANY QUANTITY | PCS/ CARTON | LBS/ CARTON |
|-------------|---------------------|----------------------------|----------------|----------------|
| 9053 X | 5/8" SUCKER ROD PIN | 0.33 | 792 | 22 |
| 9063 X | 3/4" SUCKER ROD PIN | 0.36 | 490 | 19 |
| 9093 X | 7/8" SUCKER ROD PIN | 0.38 | 420 | 21 |
| 9103 X | 1" SUCKER ROD PIN | 0.40 | 240 | 16 |



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PRICE LIST

October 2008

PIPE WEDGES

| PART NUMBER | SIZE | PRICE EACH | PCS/ CTN | LBS/ CTN |
|-------------|----------------------|--------------|-------------|-------------|
| | | ANY QUANTITY | | |
| 9999 W | 4-1/4" x 2" x 2-1/8" | 0.82 | 192 | 47 |

Each carton is packed with 384 nails.
Stock color is ORANGE.

| | | | | |
|---------|------------------|------|----|----|
| 99999 W | 8" x 3" x 3-1/2" | 1.69 | 40 | 28 |
|---------|------------------|------|----|----|

Each carton is packed with 120 nails.
Stock color is ORANGE.

ONLY FULL CARTONS SHIPPED WITH NAILS.



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TECHNICAL INFORMATION

MATERIALS - We use only prime high density polyethylene in the production of our protectors. We have found that high density polyethylene offers the best type of protection in terms of fit, abrasive content, pliability and general abuse at the lowest possible price.

EFFECTS OF TEMPERATURE - Certainly any plastic product will expand when heat is applied and contract when exposed to frigid conditions. Tests have been made in both extremes and generally speaking, high density polyethylene will endure quite well without substantial loss of tensile strength between sustained temperatures of +180 & -40 degrees Fahrenheit. A drop test to indicate impact strength withstood 50 foot pounds at -40 degrees Fahrenheit on all API pipe joints, regardless of Outside Diameter.

CHEMICAL RESISTANCE - If high density polyethylene is exposed to many chemicals, specifically Hydrochloric Acid or motor oil, there is no change. Only a slight discoloration of the material occurs when exposed to Nitric Acid. Of course, the ever present rust and corrosion problems through electrolysis found in metal is non-existent.

ULTRAVIOLET RESISTANCE - We add a stabilizer to our colorants to sustain / prolong life, but UV will tend to discolor plastic and prolonged exposure (3 - 5 years) will cause brittleness.

TENSILE STRENGTH - Depending on size and type of protector manufactured, our injection molding temperatures vary between 300 & 600 degrees Fahrenheit, pressures vary between 10,000 & 20,000 pounds and specific density varies from 0.941 to 0.965. Under these conditions tensile strength will vary between 3100 and 5100 according to ASTM # D638.

MANUFACTURING TOLERANCES - Our protectors are manufactured to meet the very demanding API specifications.

OTHER DATA - Naturally, larger diameter pipe requires not only more material, but shoulder thickness varies from .365" on our 8 5/8" heavy duty casing protector to .150" on our 4 1/2" regular tool joint protector. All Ponderosa heavy duty tool joint protectors have a bottom thickness of .250" and a shoulder thickness of .220". In addition, all casing, tubing and tool joint protectors have a built-in radius to eliminate splitting. This also results in increased shoulder strength, where it is needed most.