

45 DEGREE ELBOWS

CARBON STEEL: HIGH YIELD, WPB, WPL6, FORGED, IRON

REV. 5/2021

| QUANTITY | SIZE | CLASS / W.T. | SCH | ENDS | GRADE | RAD | TYPE |
|----------|------|--------------|-------|------|----------|-----|--------|
| 2 | 2 | 0.218 | XH | BE | Y52 | LR | 45 ELL |
| 22 | 2 | 0.218 | XH | BE | Y52 | LR | 45 ELL |
| 1 | 2 | 0.218 | S/80 | BE | Y65 | LR | 45 ELL |
| 2 | 2 | 0.344 | S/160 | BE | Y52 | LR | 45 ELL |
| 1 | 3 | 0.216 | STD | BE | Y52 | 3R | 45 ELL |
| 2 | 3 | 0.300 | XH | BE | Y52 | LR | 45 ELL |
| 1 | 4 | 0.237 | STD | BE | Y42 | 3R | 45 ELL |
| 4 | 4 | 0.237 | STD | BE | Y52 | 3R | 45 ELL |
| 19 | 4 | 0.237 | STD | BE | Y52 | 3R | 45 ELL |
| 17 | 4 | 0.237 | STD | BE | Y52 | 3R | 45 ELL |
| 3 | 4 | 0.237 | STD | BE | Y52/WPL6 | 3R | 45 ELL |
| 1 | 4 | 0.237 | STD | BE | Y52/WPL6 | 3R | 45 ELL |



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|----------|------|--------------|-----|------|----------|-----|--------|
| 1 | 4 | 0.237 | STD | BE | Y52 | LR | 45 ELL |
| 1 | 4 | 0.237 | STD | BE | Y52/WPL6 | LR | 45 ELL |
| 1 | 4 | 0.237 | STD | BE | Y42 | LR | 45 ELL |
| 2 | 4 | 0.237 | STD | BE | Y52 | LR | 45 ELL |
| 13 | 4 | 0.237 | STD | BE | Y52 | 3R | 45 ELL |
| 2 | 4 | 0.237 | STD | BE | Y52/WPL6 | 3R | 45 ELL |
| 2 | 4 | 0.337 | XH | BE | Y60 | LR | 45 ELL |
| 2 | 5 | 0.750 | XXH | BE | Y65 | LR | 45 ELL |
| 1 | 6 | 0.280 | STD | BE | Y52 | 3R | 45 ELL |
| 2 | 6 | 0.280 | STD | BE | Y52 | 3R | 45 ELL |
| 1 | 6 | 0.432 | XH | BE | Y52 | 3R | 45 ELL |



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|----------|------|--------------|------|------|----------|-----|--------|
| 2 | 6 | 0.432 | XH | BE | Y65 | LR | 45 ELL |
| 1 | 8 | 0.219 | | BE | Y52 | 3R | 45 ELL |
| 31 | 8 | 0.250 | S/20 | BE | Y52N | 3R | 45 ELL |
| 1 | 8 | 0.250 | S/20 | | Y52 | LR | 45 ELL |
| 2 | 8 | 0.322 | STD | BE | Y52 | LR | 45 ELL |
| 32 | 8 | 0.322 | STD | BE | Y52 | 3R | 45 ELL |
| 9 | 8 | 0.322 | STD | BE | Y52 | 3R | 45 ELL |
| 32 | 8 | 0.322 | STD | BE | Y52 | 3R | 45 ELL |
| 1 | 8 | 0.322 | STD | BE | Y42 | LR | 45 ELL |
| 20 | 8 | 0.322 | STD | BE | Y52/WPL6 | 3R | 45 ELL |
| 4 | 8 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 1 | 8 | 0.500 | XH | BE | Y65 | LR | 45 ELL |



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|----------|------|--------------|-------|------|----------|-----|--------|
| 1 | 8 | 0.719 | S/120 | BE | Y52 | LR | 45 ELL |
| 4 | 10 | 0.250 | S/20 | BE | Y52 | 3R | 45 ELL |
| 4 | 10 | 0.365 | STD | BE | Y52/WPL6 | LR | 45 ELL |
| 1 | 10 | 0.365 | STD | BE | Y42 | LR | 45 ELL |
| 2 | 10 | 0.365 | STD | BE | Y52 | LR | 45 ELL |
| 2 | 10 | 0.365 | STD | BE | Y52 | 3R | 45 ELL |
| 1 | 10 | 0.365 | STD | BE | Y52 | 3R | 45 ELL |
| 22 | 10 | 0.365 | STD | BE | Y52/WPL6 | 3R | 45 ELL |
| 9 | 10 | 0.365 | STD | BE | Y52 | 3R | 45 ELL |
| 1 | 10 | 0.365 | STD | BE | Y52 | 3R | 45 ELL |
| 9 | 10 | 0.365 | STD | BE | Y52 | 3R | 45 ELL |
| 24 | 10 | 0.365 | STD | BE | Y52 | 3R | 45 ELL |



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|----------|------|--------------|------|------|----------|-----|--------|
| 12 | 10 | 0.365 | S/40 | BE | Y52 | 6R | 45 ELL |
| 1 | 10 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 12 | 12 | 0.250 | S/20 | BE | Y52 | 3R | 45 ELL |
| 2 | 12 | 0.250 | S/20 | BE | Y52/WPL6 | 3R | 45 ELL |
| 56 | 12 | 0.281 | | BE | Y52 | LR | 45 ELL |
| 1 | 12 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 9 | 12 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 2 | 12 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 5 | 12 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 4 | 12 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 1 | 12 | 0.375 | STD | BE | Y60 | LR | 45 ELL |



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|----------|------|--------------|-----|------|--------|-----|--------|
| 2 | 12 | 0.375 | STD | BE | Y60 | 3R | 45 ELL |
| 1 | 12 | 0.375 | STD | BE | Y65 | 3R | 45 ELL |
| 3 | 12 | 0.375 | STD | BE | Y60/65 | 3R | 45 ELL |
| 1 | 12 | 0.375 | STD | BE | Y65 | LR | 45 ELL |
| 2 | 12 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 1 | 12 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 11 | 12 | 0.375 | STD | BE | Y60 | LR | 45 ELL |
| 1 | 12 | 0.375 | STD | BE | Y70 | LR | 45 ELL |
| 1 | 12 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 2 | 12 | 0.500 | XH | BE | Y52 | 3R | 45 ELL |
| 2 | 12 | 0.500 | XH | BE | Y52 | 3R | 45 ELL |



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|----------|------|--------------|------|------|--------|-----|--------|
| 1 | 12 | 0.562 | | BE | Y60 | LR | 45 ELL |
| 3 | 12 | 0.688 | S/80 | BE | Y65 | LR | 45 ELL |
| 1 | 14 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 6 | 16 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 3 | 16 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 2 | 16 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 1 | 16 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 2 | 16 | 0.375 | STD | BE | Y65 | 3R | 45 ELL |
| 2 | 16 | 0.375 | STD | BE | Y60/65 | 3R | 45 ELL |
| 1 | 16 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 10 | 16 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |



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|----------|------|--------------|-----|------|----------|-----|--------|
| 4 | 16 | 0.375 | STD | BE | Y52/WPL6 | 3R | 45 ELL |
| 5 | 16 | 0.375 | STD | BE | Y65 | 3R | 45 ELL |
| 1 | 16 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 2 | 16 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 1 | 16 | 0.432 | | BE | Y52 | LR | 45 ELL |
| 2 | 16 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 1 | 16 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 1 | 16 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 1 | 16 | 0.500 | XH | BE | Y65 | 3R | 45 ELL |
| 3 | 16 | | XH | BE | Y52 | LR | 45 ELL |
| 2 | 18 | 0.375 | STD | BE | Y52 | LR | 45 ELL |



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|----------|------|--------------|------|------|-------|-----|--------|
| 1 | 18 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 62 | 18 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 1 | 18 | 0.938 | S/80 | BE | Y52 | LR | 45 ELL |
| 1 | 20 | 0.250 | S/10 | BE | Y60 | LR | 45 ELL |
| 1 | 20 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 22 | 20 | 0.375 | STD | BE | Y60 | LR | 45 ELL |
| 2 | 20 | 0.375 | STD | BE | Y60 | LR | 45 ELL |
| 2 | 20 | 0.375 | STD | BE | Y52 | LR | 45 ELL |
| 1 | 20 | 0.375 | STD | BE | Y60 | 3R | 45 ELL |
| 3 | 20 | 0.375 | STD | BE | Y65 | LR | 45 ELL |
| 2 | 20 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |
| 1 | 20 | 0.375 | STD | BE | Y52 | LR | 45 ELL |



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|----------|------|--------------|------|------|-------|-----|--------|
| 60 | 20 | 0.375 | STD | BE | Y65 | 3R | 45 ELL |
| 1 | 20 | 0.375 | STD | BE | Y65 | 3R | 45 ELL |
| 1 | 20 | 0.469 | | BE | Y70 | LR | 45 ELL |
| 2 | 20 | 0.500 | XH | BE | Y52 | 3R | 45 ELL |
| 2 | 20 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 2 | 20 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 9 | 20 | 0.500 | XH | BE | Y60 | LR | 45 ELL |
| 6 | 20 | 0.500 | XH | BE | Y65 | LR | 45 ELL |
| 1 | 20 | 0.500 | XH | BE | Y65 | 3R | 45 ELL |
| 48 | 20 | 0.500 | XH | BE | Y65 | 3R | 45 ELL |
| 2 | 20 | 0.594 | S/40 | BE | Y65 | LR | 45 ELL |



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|----------|------|--------------|------|------|--------|-----|--------|
| 2 | 20 | 0.594 | S/40 | BE | Y65 | 3R | 45 ELL |
| 1 | 20 | 0.625 | | BE | Y52 | LR | 45 ELL |
| 1 | 20 | 0.750 | | BE | Y52 | LR | 45 ELL |
| 1 | 24 | 0.344 | | BE | Y52 | LR | 45 ELL |
| 72 | 24 | 0.375 | STD | BE | Y60 | LR | 45 ELL |
| 2 | 24 | 0.375 | STD | BE | Y60/65 | LR | 45 ELL |
| 2 | 24 | 0.375 | STD | BE | Y65 | LR | 45 ELL |
| 2 | 24 | 0.375 | STD | BE | Y65 | LR | 45 ELL |
| 40 | 24 | 0.375 | STD | BE | Y60 | 3R | 45 ELL |
| 4 | 24 | 0.375 | STD | BE | Y65 | 3R | 45 ELL |
| 2 | 24 | 0.375 | STD | BE | Y70 | 3R | 45 ELL |



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|----------|------|--------------|------|------|-------|-----|--------|
| 1 | 24 | 0.500 | XH | BE | Y60 | LR | 45 ELL |
| 1 | 24 | 0.500 | XH | BE | Y60 | LR | 45 ELL |
| 4 | 24 | 0.500 | XH | BE | Y42 | LR | 45 ELL |
| 2 | 24 | 0.500 | XH | BE | Y65 | LR | 45 ELL |
| 4 | 24 | 0.500 | XH | BE | Y70 | LR | 45 ELL |
| 8 | 24 | 0.500 | XH | BE | Y60 | LR | 45 ELL |
| 2 | 24 | 0.500 | XH | BE | Y65 | 3R | 45 ELL |
| 10 | 24 | 0.500 | XH | BE | Y65 | 3R | 45 ELL |
| 1 | 24 | 0.500 | XH | BE | Y70 | 3R | 45 ELL |
| 7 | 24 | 0.500 | XH | BE | Y70 | 3R | 45 ELL |
| 4 | 24 | 0.562 | S/30 | BE | Y65 | LR | 45 ELL |
| 1 | 24 | 0.562 | | BE | Y50 | LR | 45 ELL |



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|-------------|------|--------------|------|------|-------|-----|--------|
| 6 | 24 | 0.562 | S/30 | BE | Y65 | 3R | 45 ELL |
| 1 | 24 | 0.625 | | BE | Y60 | LR | 45 ELL |
| 2 | 24 | 0.625 | | BE | Y42 | LR | 45 ELL |
| 3 | 24 | 0.625 | | BE | Y60 | LR | 45 ELL |
| 2 | 24 | 0.625 | | THR | Y60 | LR | 45 ELL |
| S (DBL CHK) | 24 | 0.750 | | BE | Y52 | LR | 45 ELL |
| 1 | 26 | 0.500 | | BE | Y52 | LR | 45 ELL |
| 1 | 26 | 0.500 | XH | BE | Y52 | LR | 45 ELL |
| 1 | 30 | 0.375 | STD | BE | Y60 | LR | 45 ELL |
| 2 | 30 | 0.375 | STD | BE | Y52 | 3R | 45 ELL |



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|----------|------|--------------|-----|------|-------|-----|--------|
| 1 | 30 | 0.375 | STD | BE | Y60 | LR | 45 ELL |
| 1 | 30 | 0.375 | STD | BE | Y60 | 3R | 45 ELL |
| 9 | 30 | 0.500 | | BE | Y60 | LR | 45 ELL |
| 4 | 30 | 0.500 | | BE | Y65 | LR | 45 ELL |
| 4 | 30 | 0.562 | | BE | Y60 | LR | 45 ELL |
| 1 | 30 | 0.625 | | BE | Y70 | LR | 45 ELL |
| 3 | 30 | 0.750 | | BE | Y42 | LR | 45 ELL |
| 2 | 30 | 0.750 | | BE | Y52 | LR | 45 ELL |
| 3 | 34 | 0.500 | | BE | Y65 | LR | 45 ELL |
| 2 | 34 | 0.562 | | BE | Y60 | LR | 45 ELL |
| 1 | 34 | 0.562 | | BE | Y60 | LR | 45 ELL |



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|----------|------|--------------|-----|------|-------|-----|--------|
| 2 | 36 | 0.375 | | BE | Y42 | LR | 45 ELL |
| 2 | 36 | 0.375 | STD | BE | Y65 | LR | 45 ELL |
| 15 | 36 | 0.500 | XH | BE | Y65 | LR | 45 ELL |
| 8 | 36 | 0.625 | | BE | Y70 | 3R | 45 ELL |
| 1 | 36 | 0.688 | | BE | Y65 | LR | 45 ELL |
| 12 | 36 | 0.750 | | BE | Y60 | LR | 45 ELL |
| 2 | 36 | 0.750 | | BE | Y70 | LR | 45 ELL |
| 3 | 36 | 0.804 | | BE | Y60 | LR | 45 ELL |
| 2 | 36 | 0.875 | | BE | Y60 | LR | 45 ELL |
| 2 | 36 | 0.875 | | BE | Y65 | LR | 45 ELL |
| 5 | 42 | 1.000 | | BE | Y60 | LR | 45 ELL |

