

4705

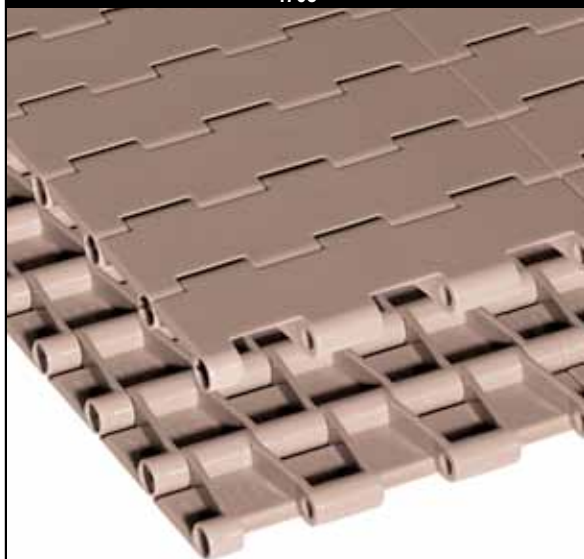
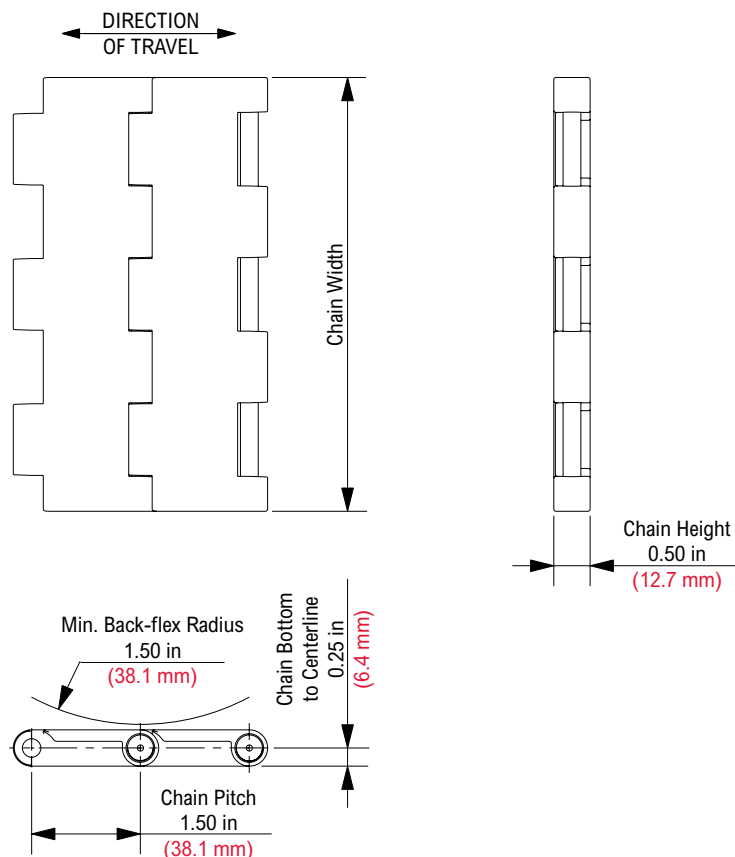


Photo shows 4705 MatTop® Chain molded in Low Friction (LF) material.

**Chain Information**

| Chain Capacity | Number of Sprockets |                |
|----------------|---------------------|----------------|
|                | per ft of width     | per m of width |
| 0% - 80%       | 2                   | 7              |
| 80% - 100%     | 4                   | 13             |
|                |                     |                |
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**Chain Drawing****Available Materials**

| Prefix                  | Chain Material                     | Standard Pin Material | Temperature |     |     |         |     |     | Chain Strength |        | Approximate Weight |      | FDA Approval |
|-------------------------|------------------------------------|-----------------------|-------------|-----|-----|---------|-----|-----|----------------|--------|--------------------|------|--------------|
|                         |                                    |                       | Fahrenheit  |     |     | Celsius |     |     |                |        |                    |      |              |
|                         |                                    |                       | min         | max |     | min     | max |     |                |        |                    |      |              |
|                         |                                    |                       |             | dry | wet |         | dry | wet |                |        |                    |      |              |
| Standard Materials      |                                    |                       |             |     |     |         |     |     |                |        |                    |      |              |
| BLT                     | Blue Low Temperature               | Polyethylene          | -100        | 80  | 80  | -73     | 27  | 27  | 400            | 5,836  | 1.38               | 6.74 | Yes          |
| HT                      | High Temperature                   | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600            | 8,754  | 1.26               | 6.15 | Yes          |
| LF                      | Low Friction                       | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200          | 17,508 | 1.86               | 9.08 | Yes          |
| MR                      | Melt Resistant                     | Acetal                | -80         | 220 | NR  | -62     | 104 | NR  | 1,200          | 17,508 | 1.86               | 9.08 | No           |
| WHT                     | White High Temperature             | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600            | 8,754  | 1.26               | 6.15 | Yes          |
| WLT                     | White Low Temperature              | Polyethylene          | -100        | 80  | 80  | -73     | 27  | 27  | 400            | 5,836  | 1.38               | 6.74 | Yes          |
| Made-to-Order Materials |                                    |                       |             |     |     |         |     |     |                |        |                    |      |              |
| AS                      | Anti-Static                        | Acetal                | 0           | 180 | NR  | -18     | 82  | NR  | 720            | 10,505 | 1.86               | 9.08 | No           |
| BSM                     | Black Cut Resistant                | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200          | 17,508 | 1.86               | 9.08 | Yes          |
| BWR                     | Black Wear Resistant               | Acetal                | -40         | 180 | NR  | -40     | 82  | NR  | 1,200          | 17,508 | 1.86               | 9.08 | No           |
| FR                      | Flame Retardant                    | Acetal                | 0           | 180 | 140 | -18     | 82  | 60  | 1,020          | 14,882 | 1.86               | 9.08 | No           |
| GTC                     | Tough Composite                    | Polypropylene         | 0           | 180 | 140 | -18     | 82  | 60  | 900            | 13,131 | 1.52               | 7.42 | No           |
| HS                      | Heat Stabilized                    | Acetal                | -40         | 220 | 212 | -40     | 104 | 100 | 1,200          | 17,508 | 1.86               | 9.08 | No           |
| HUV                     | High Temp. Ultraviolet Resistant   | Acetal                | 40          | 220 | 180 | 4       | 104 | 82  | 600            | 8,754  | 1.26               | 6.15 | No           |
| LUV                     | Low Temp. Ultraviolet Resistant    | Polyethylene          | -40         | 80  | 80  | -40     | 27  | 27  | 400            | 5,836  | 1.38               | 6.74 | No           |
| P                       | Chemical Resistant                 | Polypropylene         | 0           | 180 | 140 | -18     | 82  | 60  | 480            | 7,003  | 1.86               | 9.08 | Yes          |
| RHT                     | Red High Temperature               | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600            | 8,754  | 1.26               | 6.15 | Yes          |
| WLF                     | White Low Friction                 | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200          | 17,508 | 1.86               | 9.08 | Yes          |
| WSM                     | White Cut Resistant                | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200          | 17,508 | 1.86               | 9.08 | Yes          |
| WX                      | Green Abrasion Resistant Polyamide | Acetal                | -40         | 220 | NR  | -40     | 104 | NR  | 1,200          | 17,508 | 1.86               | 9.08 | No           |

**Regulatory Information**

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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**Additional Notes**

For chain width information see page MT - WIDTH - 1.

Open area = 2.1%.

Chain strength is listed at room temperature. NR = Not Recommended.

For additional material information, see material portfolio.

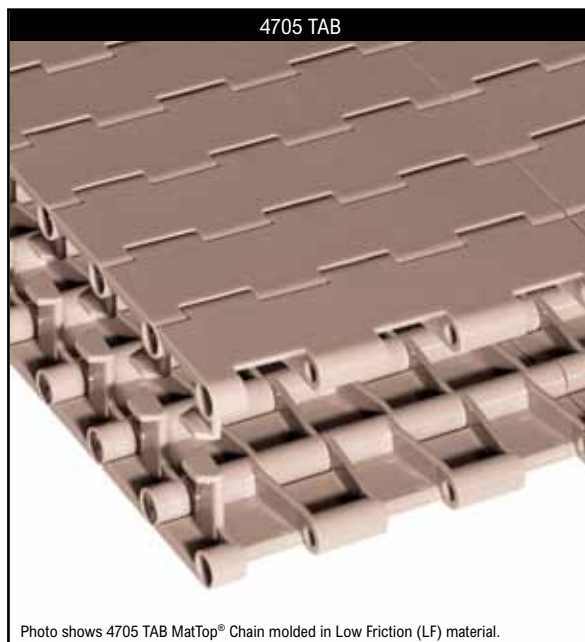
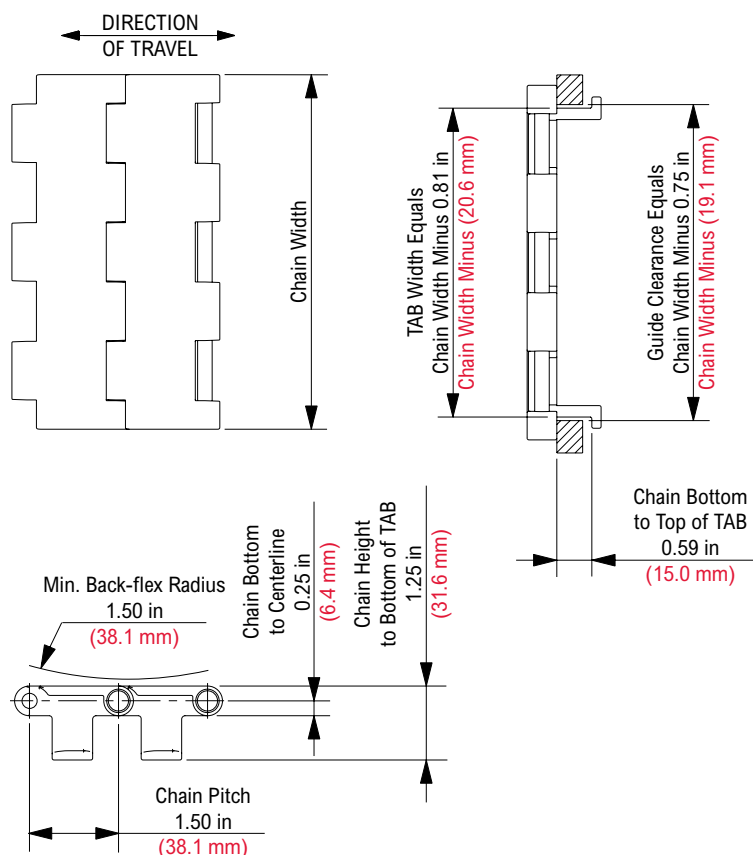


Photo shows 4705 TAB MatTop® Chain molded in Low Friction (LF) material.

| Chain Information |                     |                |
|-------------------|---------------------|----------------|
| Chain Capacity    | Number of Sprockets |                |
|                   | per ft of width     | per m of width |
| 0% - 80%          | 2                   | 7              |
| 80% - 100%        | 4                   | 13             |
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## Chain Drawing



## Available Materials

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## Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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### Additional Notes

For chain width information see page MT - WIDTH - 1.

Open area = 2.1%.

Please indicate the desired location of TABs.

Chain strength is listed at room temperature. NR = Not Recommended.

For additional material information, see material portfolio.

4705 E7

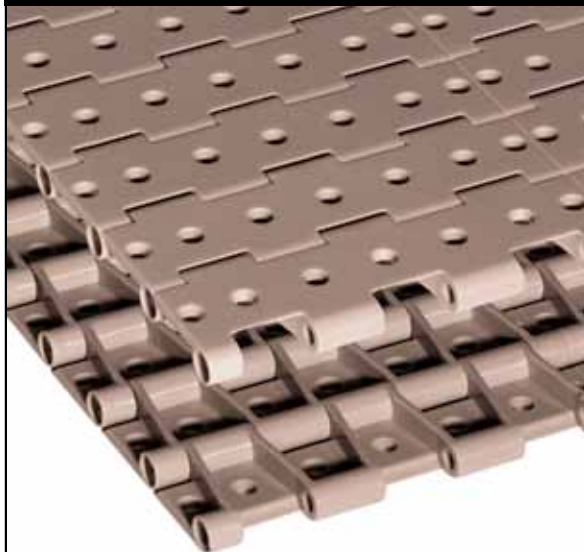
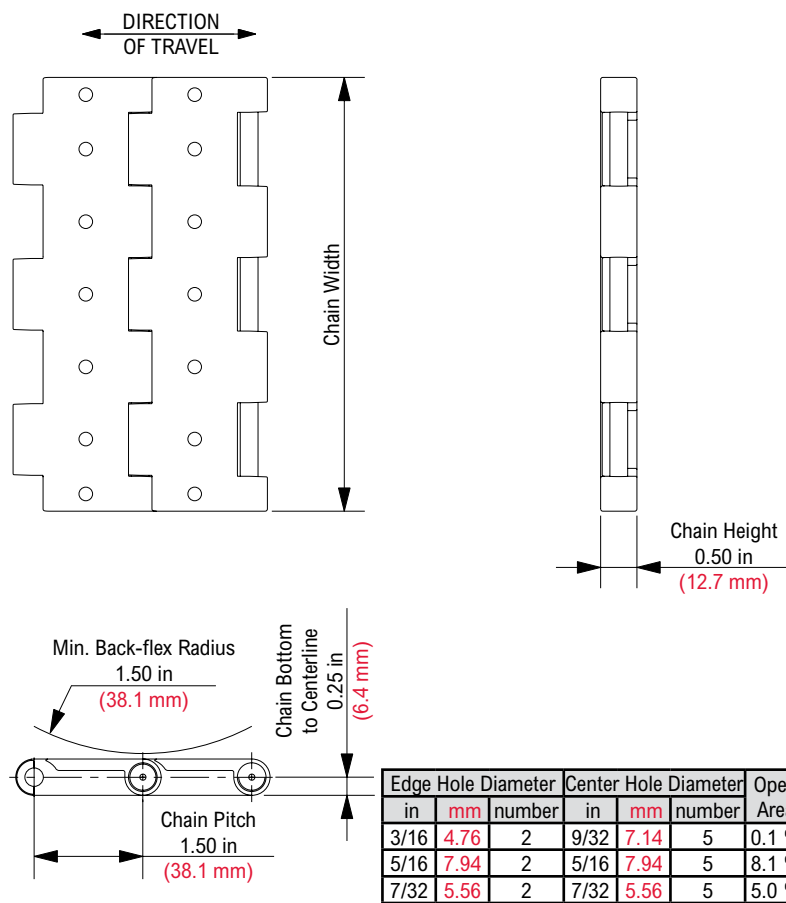


Photo shows 4705 E7 MatTop® Chain with Vacuum Holes molded in Low Friction (LF) material.

## Chain Information

| Chain Capacity | Number of Sprockets |                |
|----------------|---------------------|----------------|
|                | per ft of width     | per m of width |
| 0% - 80%       | 2                   | 7              |
| 80% - 100%     | 4                   | 13             |
|                |                     |                |
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Chain Drawing



## Available Materials

| Prefix                  | Chain Material   | Standard Pin Material | Temperature |     |     |         |     |     | Chain Strength |        | Approximate Weight |      | FDA Approval |
|-------------------------|------------------|-----------------------|-------------|-----|-----|---------|-----|-----|----------------|--------|--------------------|------|--------------|
|                         |                  |                       | Fahrenheit  |     |     | Celsius |     |     |                |        |                    |      |              |
|                         |                  |                       | min         | max |     | min     | max |     |                |        |                    |      |              |
|                         |                  |                       |             | dry | wet |         | dry | wet |                |        |                    |      |              |
| Standard Material       |                  |                       |             |     |     |         |     |     |                |        |                    |      |              |
| LF                      | Low Friction     | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200          | 17,508 | 1.86               | 9.08 | Yes          |
| Made-to-Order Materials |                  |                       |             |     |     |         |     |     |                |        |                    |      |              |
| FR                      | Flame Retardant  | Acetal                | 0           | 180 | 140 | -18     | 82  | 60  | 1,020          | 14,882 | 1.86               | 9.08 | No           |
| HS                      | Heat Stabilized  | Acetal                | -40         | 220 | 212 | -40     | 104 | 100 | 1,200          | 17,508 | 1.86               | 9.08 | No           |
| HT                      | High Temperature | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600            | 8,754  | 1.26               | 6.15 | Yes          |
| MR                      | Melt Resistant   | Acetal                | -80         | 220 | NR  | -62     | 104 | NR  | 1,200          | 17,508 | 1.86               | 9.08 | No           |
|                         |                  |                       |             |     |     |         |     |     |                |        |                    |      |              |
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## Regulatory Information

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## Additional Notes

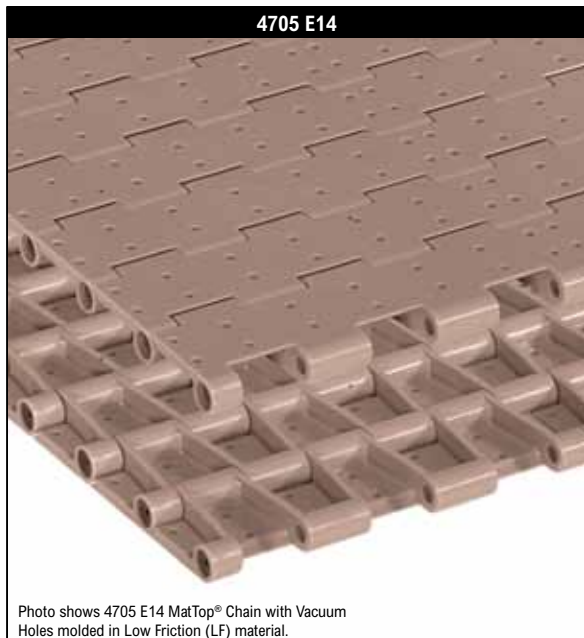
For chain width information see page MT - WIDTH - 1.

Open area is dependent on the number of holes and hole diameters.

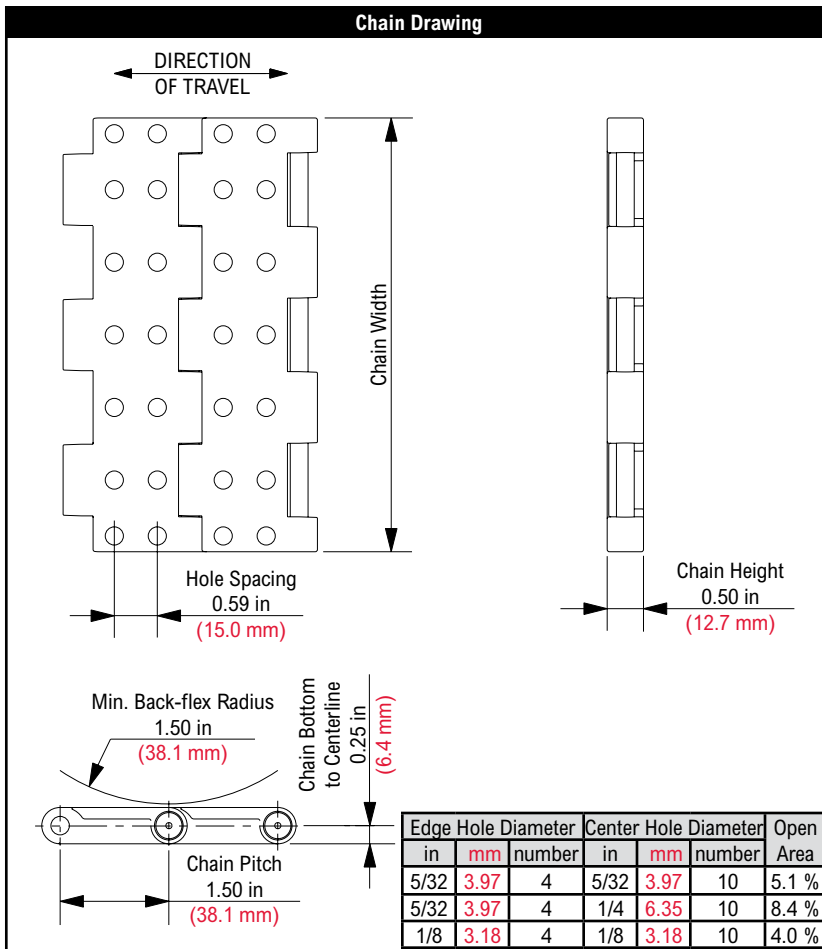
Number of holes and their location may vary; hole diameters range from 1/16 in (1.6 mm) up to 1/4 in (6.4 mm) diameter in 1/32 in (0.8 mm) increments.

Chain strength is listed at room temperature. NR = Not Recommended.

For additional material information, see material portfolio.



| Chain Information |                     |                |
|-------------------|---------------------|----------------|
| Chain Capacity    | Number of Sprockets |                |
|                   | per ft of width     | per m of width |
| 0% - 80%          | 2                   | 7              |
| 80% - 100%        | 4                   | 13             |
|                   |                     |                |
|                   |                     |                |
|                   |                     |                |
|                   |                     |                |
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## Available Materials

| Prefix                  | Chain Material   | Standard Pin Material | Temperature |     |     |         |     |     | Chain Strength |        | Approximate Weight |      | FDA Approval |
|-------------------------|------------------|-----------------------|-------------|-----|-----|---------|-----|-----|----------------|--------|--------------------|------|--------------|
|                         |                  |                       | Fahrenheit  |     |     | Celsius |     |     |                |        |                    |      |              |
|                         |                  |                       | min         | max |     | min     | max |     |                |        |                    |      |              |
|                         |                  |                       |             | dry | wet |         | dry | wet |                |        |                    |      |              |
| Standard Materials      |                  |                       |             |     |     |         |     |     |                |        |                    |      |              |
| LF                      | Low Friction     | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200          | 17,508 | 1.86               | 9.08 | Yes          |
| Made-to-Order Materials |                  |                       |             |     |     |         |     |     |                |        |                    |      |              |
| FR                      | Flame Retardant  | Acetal                | 0           | 180 | 140 | -18     | 82  | 60  | 1,020          | 14,882 | 1.86               | 9.08 | No           |
| HS                      | Heat Stabilized  | Acetal                | -40         | 220 | 212 | -40     | 104 | 100 | 1,200          | 17,508 | 1.86               | 9.08 | No           |
| HT                      | High Temperature | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600            | 8,754  | 1.26               | 6.15 | Yes          |
| MR                      | Melt Resistant   | Acetal                | -80         | 220 | NR  | -62     | 104 | NR  | 1,200          | 17,508 | 1.86               | 9.08 | No           |
|                         |                  |                       |             |     |     |         |     |     |                |        |                    |      |              |
|                         |                  |                       |             |     |     |         |     |     |                |        |                    |      |              |
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## Regulatory Information

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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## Additional Notes

For chain width information see page MT - WIDTH - 1.

Open area is dependent on the number of holes and hole diameters.

Number of holes and their location may vary; hole diameters range from 1/16 in (1.6 mm) up to 1/4 in (6.4 mm) diameter in 1/32 in (0.8 mm) increments.

Chain strength is listed at room temperature. NR = Not Recommended.

For additional material information, see material portfolio.

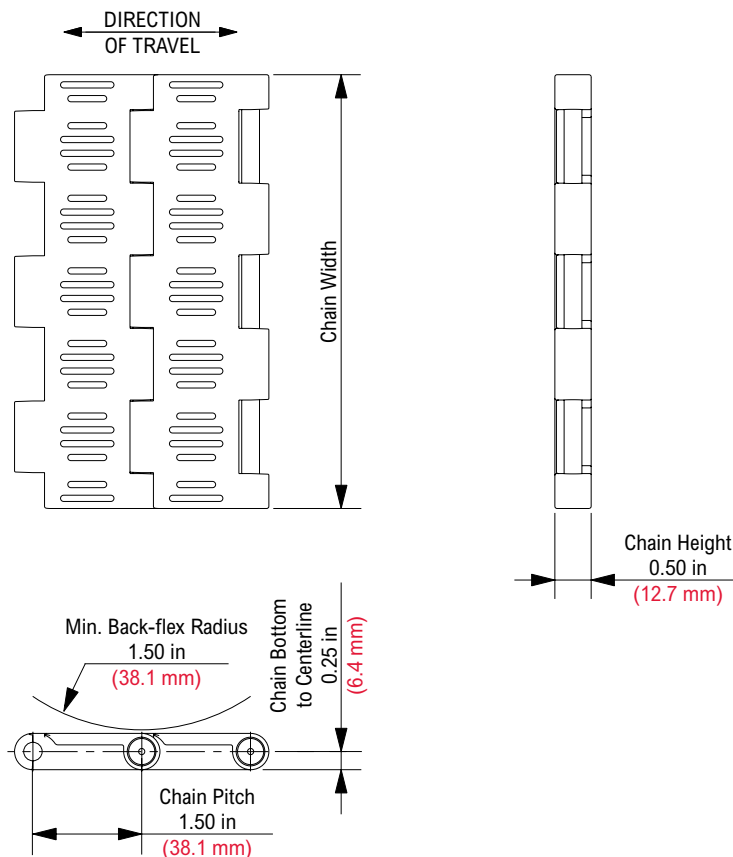
4706



Photo shows 4706 MatTop® Chain molded in Low Friction (LF) material.

**Chain Information**

| Chain Capacity | Number of Sprockets |                |
|----------------|---------------------|----------------|
|                | per ft of width     | per m of width |
| 0% - 80%       | 2                   | 7              |
| 80% - 100%     | 4                   | 13             |
|                |                     |                |
|                |                     |                |
|                |                     |                |
|                |                     |                |
|                |                     |                |
|                |                     |                |

**Chain Drawing****Available Materials**

| Prefix                  | Chain Material                     | Standard Pin Material | Temperature |     |     |         |     |     |       | Chain Strength |      | Approximate Weight |     | FDA Approval |
|-------------------------|------------------------------------|-----------------------|-------------|-----|-----|---------|-----|-----|-------|----------------|------|--------------------|-----|--------------|
|                         |                                    |                       | Fahrenheit  |     |     | Celsius |     |     |       |                |      |                    |     |              |
|                         |                                    |                       | min         | max |     | min     | max |     |       |                |      |                    |     |              |
|                         |                                    |                       |             | dry | wet |         | dry | wet |       |                |      |                    |     |              |
| Standard Materials      |                                    |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
| HT                      | High Temperature                   | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600   | 8,754          | 1.12 | 5.47               | Yes |              |
| LF                      | Low Friction                       | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200 | 17,508         | 1.62 | 7.91               | Yes |              |
| Made-to-Order Materials |                                    |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
| AS                      | Anti-Static                        | Acetal                | 0           | 180 | NR  | -18     | 82  | NR  | 720   | 10,505         | 1.62 | 7.91               | No  |              |
| BLT                     | Blue Low Temperature               | Polyethylene          | -100        | 80  | 80  | -73     | 27  | 27  | 400   | 5,836          | 1.23 | 6.01               | Yes |              |
| BSM                     | Black Cut Resistant                | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200 | 17,508         | 1.62 | 7.91               | Yes |              |
| BWR                     | Black Wear Resistant               | Acetal                | -40         | 180 | NR  | -40     | 82  | NR  | 1,200 | 17,508         | 1.62 | 7.91               | No  |              |
| CR                      | Extreme Chemical Resistant         | Polypropylene         | 40          | 220 | 212 | 4       | 104 | 100 | 480   | 7,003          | 2.16 | 10.55              | Yes |              |
| DUV                     | Plain Acetal Ultraviolet Resistant | Acetal                | 0           | 180 | 150 | -18     | 82  | 66  | 1,200 | 17,508         | 1.62 | 7.91               | No  |              |
| FR                      | Flame Retardant                    | Acetal                | 0           | 180 | 140 | -18     | 82  | 60  | 1,020 | 14,882         | 1.62 | 7.91               | No  |              |
| HUV                     | High Temp. Ultraviolet Resistant   | Acetal                | 40          | 220 | 180 | 4       | 104 | 82  | 600   | 8,754          | 1.12 | 5.47               | No  |              |
| LUV                     | Low Temp. Ultraviolet Resistant    | Polyethylene          | -40         | 80  | 80  | -40     | 27  | 27  | 400   | 5,836          | 1.23 | 6.01               | No  |              |
| MR                      | Melt Resistant                     | Acetal                | -80         | 220 | NR  | -62     | 104 | NR  | 1,200 | 17,508         | 1.62 | 7.91               | No  |              |
| P                       | Chemical Resistant                 | Polypropylene         | 0           | 180 | 140 | -18     | 82  | 60  | 480   | 7,003          | 1.62 | 7.91               | Yes |              |
| RHT                     | Red High Temperature               | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600   | 8,754          | 1.12 | 5.47               | Yes |              |
| WHT                     | White High Temperature             | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600   | 8,754          | 1.12 | 5.47               | Yes |              |
| WLF                     | White Low Friction                 | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200 | 17,508         | 1.62 | 7.91               | Yes |              |
| WLT                     | White Low Temperature              | Polyethylene          | -100        | 80  | 80  | -73     | 27  | 27  | 400   | 5,836          | 1.23 | 6.01               | Yes |              |
| WSM                     | White Cut Resistant                | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200 | 17,508         | 1.62 | 7.91               | Yes |              |
|                         |                                    |                       |             |     |     |         |     |     |       |                |      |                    |     |              |

**Regulatory Information**

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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**Additional Notes**

For chain width information see page MT - WIDTH - 1.

Open area = 22.1%

Chain strength is listed at room temperature. NR = Not Recommended.

For additional material information, see material portfolio.



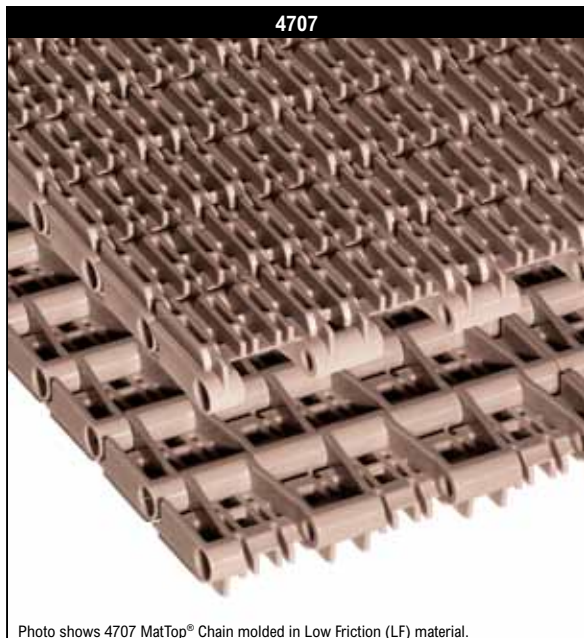
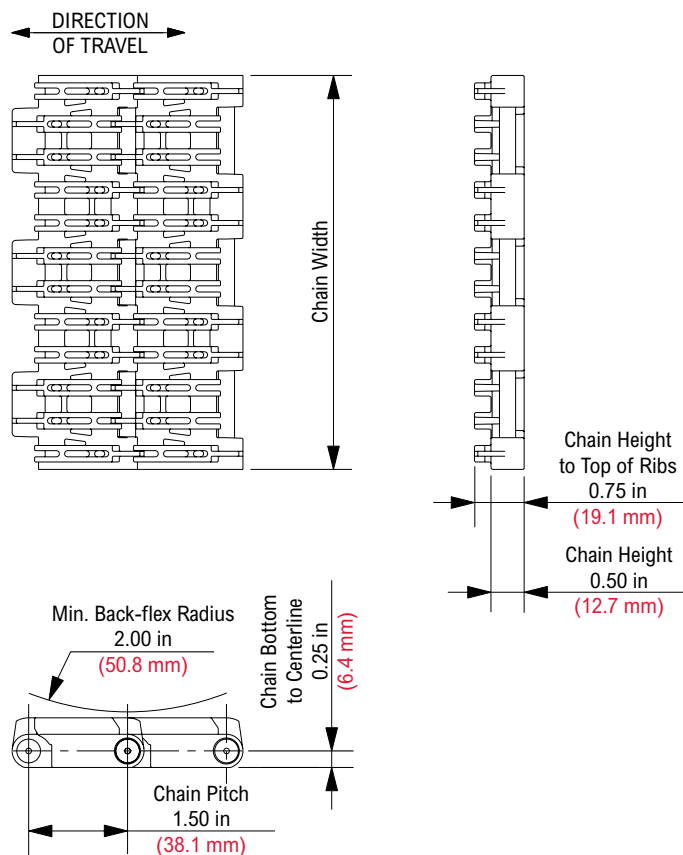


Photo shows 4707 MatTop® Chain molded in Low Friction (LF) material.

**Chain Information**

| Chain Capacity | Number of Sprockets |       |                       |       |
|----------------|---------------------|-------|-----------------------|-------|
|                | with Transfer Comb  |       | without Transfer Comb |       |
|                | per ft              | per m | per ft                | per m |
| 0% - 80%       | 4                   | 13    | 2                     | 7     |
| 80% - 100%     | 4                   | 13    | 4                     | 13    |
|                |                     |       |                       |       |
|                |                     |       |                       |       |
|                |                     |       |                       |       |
|                |                     |       |                       |       |

**Chain Drawing****Available Materials**

| Prefix                  | Chain Material         | Standard Pin Material | Temperature |     |     |         |     |     |       | Chain Strength |      | Approximate Weight |     | FDA Approval |
|-------------------------|------------------------|-----------------------|-------------|-----|-----|---------|-----|-----|-------|----------------|------|--------------------|-----|--------------|
|                         |                        |                       | Fahrenheit  |     |     | Celsius |     |     |       |                |      |                    |     |              |
|                         |                        |                       | min         | max |     | min     | max |     |       |                |      |                    |     |              |
|                         |                        |                       |             | dry | wet |         | dry | wet |       |                |      |                    |     |              |
| Standard Materials      |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
| HT                      | High Temperature       | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600   | 8,754          | 1.42 | 6.93               | Yes |              |
| LF                      | Low Friction           | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200 | 17,508         | 2.14 | 10.45              | Yes |              |
| Made-to-Order Materials |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
| AS                      | Anti-Static            | Acetal                | 0           | 180 | NR  | -18     | 82  | NR  | 720   | 10,505         | 2.14 | 10.45              | No  |              |
| HP™                     | High Performance       | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200 | 17,508         | 2.14 | 10.45              | Yes |              |
| WHT                     | White High Temperature | Acetal                | 40          | 220 | 212 | 4       | 104 | 100 | 600   | 8,754          | 1.42 | 6.93               | Yes |              |
| WLF                     | White Low Friction     | Acetal                | -40         | 180 | 150 | -40     | 82  | 66  | 1,200 | 17,508         | 2.14 | 10.45              | Yes |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
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|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |
|                         |                        |                       |             |     |     |         |     |     |       |                |      |                    |     |              |

**Regulatory Information**

The Food and Drug Administration (FDA) accepts certain materials for direct food contact. FDA approved material is compliant to FDA 21 CFR § 177.

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U.S. Patent: 4438838

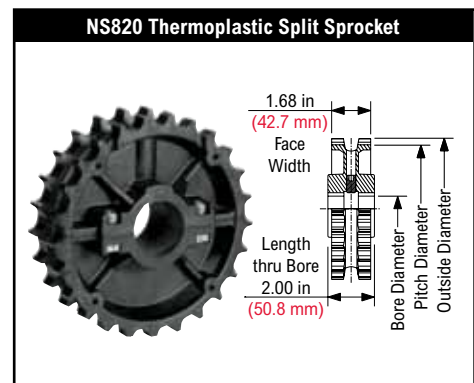
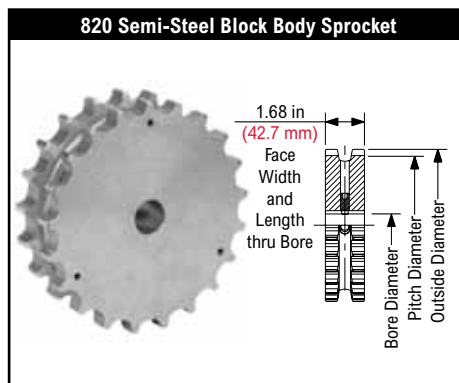
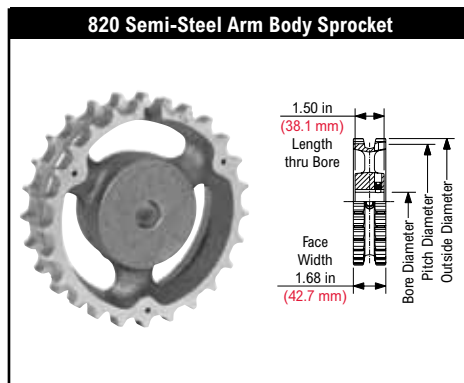
**Additional Notes**

For chain width information see page MT - WIDTH - 1.

Open area = 23.1%

Chain strength is listed at room temperature. NR = Not Recommended.

For additional material information, see material portfolio.



| 820 Semi-Steel Arm Body Sprocket Information |        |                   |        |                     |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                       |      |
|----------------------------------------------|--------|-------------------|--------|---------------------|-------|-----------------------------|-------|-----|-----|--------|-----|-----|-----|-----------------------|-------|-----|-----|-----------------------|------|
| Number<br>Of Teeth                           |        | Pitch<br>Diameter |        | Outside<br>Diameter |       | Bore Diameter (Shaft-Ready) |       |     |     |        |     |     |     | Bore Diameter (Round) |       |     |     | Approximate<br>Weight |      |
|                                              |        |                   |        |                     |       | Round                       |       |     |     | Square |     |     |     |                       |       |     |     |                       |      |
|                                              |        |                   |        |                     |       | in                          |       | mm  |     | in     |     | mm  |     | in                    |       | mm  |     |                       |      |
| actual                                       | effect | in                | mm     | in                  | mm    | min                         | max   | min | max | min    | max | min | max | min                   | max   | min | max | lbs                   | kg   |
| 19                                           | 9 1/2  | 4.622             | 117.40 | 4.61                | 117.1 | 1                           | 1 1/4 | 20  | 30  | -      | -   | -   | -   | 1                     | 1 1/4 | 20  | 30  | 3.28                  | 1.49 |
| 20                                           | 10     | 4.854             | 123.29 | 4.86                | 123.4 | 1                           | 1 1/4 | 20  | 30  | -      | -   | -   | -   | 1                     | 1 1/4 | 20  | 30  | 3.81                  | 1.73 |
| 21                                           | 10 1/2 | 5.089             | 129.26 | 5.12                | 130.0 | 1                           | 1 3/4 | 20  | 45  | -      | -   | -   | -   | 1                     | 1 3/4 | 20  | 45  | 4.63                  | 2.10 |
| 22                                           | 11     | 5.324             | 135.23 | 5.35                | 135.9 | 1                           | 1 3/4 | 20  | 45  | -      | -   | -   | -   | 1                     | 1 3/4 | 20  | 45  | 5.12                  | 2.32 |
| 23                                           | 11 1/2 | 5.560             | 141.22 | 5.59                | 142.0 | 1                           | 1 3/4 | 20  | 45  | -      | -   | -   | -   | 1                     | 1 3/4 | 20  | 45  | 5.31                  | 2.41 |
| 24                                           | 12     | 5.796             | 147.22 | 5.83                | 148.1 | 1                           | 1 3/4 | 20  | 45  | -      | -   | -   | -   | 1                     | 1 3/4 | 20  | 45  | 5.41                  | 2.45 |
| 25                                           | 12 1/2 | 6.032             | 153.21 | 6.07                | 154.2 | 1                           | 1 3/4 | 20  | 45  | -      | -   | -   | -   | 1                     | 1 3/4 | 20  | 45  | 5.57                  | 2.53 |
| 27                                           | 13 1/2 | 6.504             | 165.20 | 6.56                | 166.6 | 1                           | 1 3/4 | 20  | 45  | -      | -   | -   | -   | 1                     | 1 3/4 | 20  | 45  | 6.50                  | 2.95 |
| 29                                           | 14 1/2 | 6.978             | 177.24 | 7.05                | 179.1 | 1                           | 1 3/4 | 20  | 45  | -      | -   | -   | -   | 1                     | 1 3/4 | 20  | 45  | 6.72                  | 3.05 |
| 31                                           | 15 1/2 | 7.452             | 189.28 | 7.53                | 191.3 | 1                           | 1 3/4 | 20  | 45  | -      | -   | -   | -   | 1                     | 1 3/4 | 20  | 45  | 6.86                  | 3.11 |
| 41                                           | 20 1/2 | 9.826             | 249.58 | 9.93                | 252.2 | 1                           | 2 1/2 | 20  | 65  | -      | -   | -   | -   | 1                     | 2 1/2 | 20  | 65  | 16.23                 | 7.36 |
|                                              |        |                   |        |                     |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                       |      |
|                                              |        |                   |        |                     |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                       |      |

Shaft-ready round bore sprockets are shipped with keyway and setscrew.

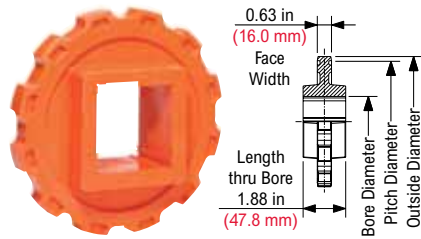
| 820 Semi-Steel Block Body Sprocket Information |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|------------------------------------------------|--------|----------------|--------|------------------|-------|-----------------------------|---------|-----|-----|--------|-----|-----|-----|-----------------------|---------|-----|-----|--------------------|------|
| Number Of Teeth                                |        | Pitch Diameter |        | Outside Diameter |       | Bore Diameter (Shaft-Ready) |         |     |     |        |     |     |     | Bore Diameter (Round) |         |     |     | Approximate Weight |      |
|                                                |        |                |        |                  |       | Round                       |         |     |     | Square |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       | in                          |         | mm  |     | in     |     | mm  |     | in                    |         | mm  |     |                    |      |
| actual                                         | effect | in             | mm     | in               | mm    | min                         | max     | min | max | min    | max | min | max | min                   | max     | min | max | lbs                | kg   |
| 13                                             | 6 1/2  | 3.228          | 81.99  | 3.11             | 79.0  | 1                           | 1 1/4   | 20  | 30  | -      | -   | -   | -   | 1                     | 1 1/4   | 20  | 30  | 2.45               | 1.11 |
| 15                                             | 7 1/2  | 3.688          | 93.68  | 3.63             | 92.2  | 1                           | 1 1/4   | 20  | 30  | -      | -   | -   | -   | 1                     | 1 1/4   | 20  | 30  | 3.57               | 1.62 |
| 17                                             | 8 1/2  | 4.152          | 105.46 | 4.12             | 104.6 | 1                           | 1 11/16 | 20  | 40  | -      | -   | -   | -   | 1                     | 1 11/16 | 20  | 40  | 4.83               | 2.19 |
| 21                                             | 10 1/2 | 5.089          | 129.26 | 5.12             | 130.0 | 1                           | 2 11/16 | 20  | 70  | -      | -   | -   | -   | 1                     | 2 11/16 | 20  | 70  | 4.63               | 2.10 |
| 25                                             | 12 1/2 | 6.032          | 153.21 | 6.07             | 154.2 | 1                           | 3 7/16  | 20  | 90  | -      | -   | -   | -   | 1                     | 3 7/16  | 20  | 90  | 5.57               | 2.53 |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                    |      |

Shaft-ready round bore sprockets are shipped with keyway and setscrew.

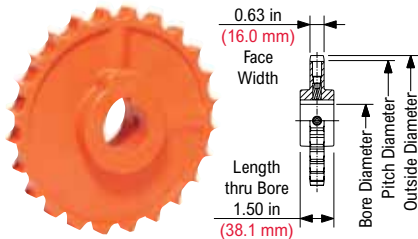
| NS820 Thermoplastic Split Sprocket Information |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|------------------------------------------------|--------|----------------|--------|------------------|-------|-----------------------------|-------|-----|-----|--------|-----|-----|-----|-----------------------|-------|-----|-----|--------------------|------|
| Number Of Teeth                                |        | Pitch Diameter |        | Outside Diameter |       | Bore Diameter (Shaft-Ready) |       |     |     |        |     |     |     | Bore Diameter (Idler) |       |     |     | Approximate Weight |      |
|                                                |        |                |        |                  |       | Round                       |       |     |     | Square |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       | in                          |       | mm  |     | in     |     | mm  |     | in                    |       | mm  |     |                    |      |
| actual                                         | effect | in             | mm     | in               | mm    | min                         | max   | min | max | min    | max | min | max | min                   | max   | min | max | lbs                | kg   |
| 21                                             | 10 1/2 | 5.089          | 129.26 | 5.12             | 130.0 | 1                           | 1 5/8 | 25  | 40  | -      | -   | -   | -   | 1                     | 1 5/8 | 25  | 40  | 1.01               | 0.46 |
| 23                                             | 11 1/2 | 5.560          | 141.22 | 5.59             | 142.0 | 1                           | 1 5/8 | 25  | 40  | -      | -   | -   | -   | 1                     | 1 5/8 | 25  | 40  | 1.19               | 0.54 |
| 25                                             | 12 1/2 | 6.032          | 153.21 | 6.07             | 154.2 | 1                           | 2     | 25  | 50  | -      | -   | -   | -   | 1                     | 2     | 25  | 50  | 1.39               | 0.63 |
| 27                                             | 13 1/2 | 6.504          | 165.20 | 6.56             | 166.6 | 1                           | 1 5/8 | 25  | 40  | -      | -   | -   | -   | 1                     | 1 5/8 | 25  | 40  | 1.76               | 0.80 |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |
|                                                |        |                |        |                  |       |                             |       |     |     |        |     |     |     |                       |       |     |     |                    |      |

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft.

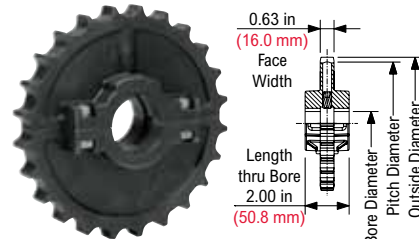
### N4700 Thermoplastic Sprocket



### N5700 Thermoplastic Sprocket



### NS5700 Thermoplastic Split Sprocket



### N4700 Thermoplastic Sprocket Imperial Information

| Number of Teeth |        | Pitch Diameter |        | Outside Diameter |       | Imperial Square Bore Diameter |   |       | Approximate Weight |      |
|-----------------|--------|----------------|--------|------------------|-------|-------------------------------|---|-------|--------------------|------|
|                 |        |                |        |                  |       |                               |   |       |                    |      |
| actual          | effect | in             | mm     | in               | mm    | in                            |   |       | lbs                | kg   |
| 12              | 12     | 5.796          | 147.22 | 5.75             | 146.1 | 1 1/2                         | 2 | 2 1/2 | 0.49               | 0.22 |
| 21              | 21     | 10.064         | 255.63 | 10.08            | 256.0 | -                             | - | 2 1/2 | 0.77               | 0.35 |
|                 |        |                |        |                  |       |                               |   |       |                    |      |
|                 |        |                |        |                  |       |                               |   |       |                    |      |
|                 |        |                |        |                  |       |                               |   |       |                    |      |

### N4700 Thermoplastic Sprocket Metric Information

| Number of Teeth |        | Pitch Diameter |        | Outside Diameter |       | Metric Square Bore Diameter |  |  | Approximate Weight |      |
|-----------------|--------|----------------|--------|------------------|-------|-----------------------------|--|--|--------------------|------|
|                 |        |                |        |                  |       |                             |  |  |                    |      |
| actual          | effect | in             | mm     | in               | mm    | mm                          |  |  | lbs                | kg   |
| 12              | 12     | 5.796          | 147.22 | 5.75             | 146.1 | 65                          |  |  | 0.49               | 0.22 |
| 21              | 21     | 10.064         | 255.63 | 10.08            | 256.0 | 65                          |  |  | 0.77               | 0.35 |
|                 |        |                |        |                  |       |                             |  |  |                    |      |
|                 |        |                |        |                  |       |                             |  |  |                    |      |

### N5700 Thermoplastic Sprocket Imperial Information

| Number of Teeth |        | Pitch Diameter |        | Outside Diameter |       | Imperial Round Bore Diameter |        |       |        |       | Approximate Weight |      |
|-----------------|--------|----------------|--------|------------------|-------|------------------------------|--------|-------|--------|-------|--------------------|------|
|                 |        |                |        |                  |       |                              |        |       |        |       |                    |      |
| actual          | effect | in             | mm     | in               | mm    | in                           |        |       |        |       | lbs                | kg   |
| 24              | 12     | 5.796          | 147.22 | 5.80             | 147.3 | 1                            | 1 3/16 | 1 1/4 | 1 7/16 | 1 1/2 | 1.01               | 0.46 |
|                 |        |                |        |                  |       |                              |        |       |        |       |                    |      |
|                 |        |                |        |                  |       |                              |        |       |        |       |                    |      |
|                 |        |                |        |                  |       |                              |        |       |        |       |                    |      |

Shaft-ready round bore sprockets are shipped with keyway and setscrew.

### N5700 Thermoplastic Sprocket Metric Information

| Number of Teeth |        | Pitch Diameter |        | Outside Diameter |       | Metric Round Bore Diameter |    |    | Approximate Weight |      |
|-----------------|--------|----------------|--------|------------------|-------|----------------------------|----|----|--------------------|------|
|                 |        |                |        |                  |       |                            |    |    |                    |      |
| actual          | effect | in             | mm     | in               | mm    | mm                         |    |    | lbs                | kg   |
| 24              | 12     | 5.796          | 147.22 | 5.80             | 147.3 | 25                         | 30 | 35 | 1.01               | 0.46 |
|                 |        |                |        |                  |       |                            |    |    |                    |      |
|                 |        |                |        |                  |       |                            |    |    |                    |      |

Shaft-ready round bore sprockets are shipped with keyway and setscrew.

### NS5700 Thermoplastic Split Sprocket Information

| Number<br>Of Teeth |        | Pitch<br>Diameter |        | Outside<br>Diameter |       | Bore Diameter (Shaft-Ready) |         |     |     |        |     |     |     | Bore Diameter (Idler) |         |     |     | Approximate<br>Weight |      |
|--------------------|--------|-------------------|--------|---------------------|-------|-----------------------------|---------|-----|-----|--------|-----|-----|-----|-----------------------|---------|-----|-----|-----------------------|------|
|                    |        |                   |        |                     |       | Round                       |         |     |     | Square |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       | in                          |         | mm  |     | in     |     | mm  |     | in                    |         | mm  |     |                       |      |
| actual             | effect | in                | mm     | in                  | mm    | min                         | max     | min | max | min    | max | min | max | min                   | max     | min | max | lbs                   | kg   |
| 21                 | 10 1/2 | 5.089             | 129.26 | 5.12                | 130.0 | 1                           | 1 1/2   | 25  | 35  | -      | -   | -   | -   | 1                     | 1 1/2   | 25  | 35  | 0.80                  | 0.36 |
| 23                 | 11 1/2 | 5.560             | 141.22 | 5.59                | 142.0 | 1                           | 1 1/2   | 25  | 35  | -      | -   | -   | -   | 1                     | 1 1/2   | 25  | 35  | 0.91                  | 0.41 |
| 24                 | 12     | 5.796             | 147.22 | 5.81                | 147.6 | 1                           | 1 1/2   | 25  | 35  | -      | -   | -   | -   | 1                     | 1 1/2   | 25  | 35  | 1.01                  | 0.46 |
| 25                 | 12 1/2 | 6.032             | 153.21 | 6.07                | 154.2 | 1                           | 1 15/16 | 25  | 50  | -      | -   | -   | -   | 1                     | 1 15/16 | 25  | 50  | 1.04                  | 0.47 |
| 27                 | 13 1/2 | 6.504             | 165.20 | 6.57                | 166.9 | 1                           | 1 1/2   | 25  | 35  | -      | -   | -   | -   | 1                     | 1 1/2   | 25  | 35  | 1.04                  | 0.47 |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |
|                    |        |                   |        |                     |       |                             |         |     |     |        |     |     |     |                       |         |     |     |                       |      |

Imperial shaft-ready round bore sprockets are shipped with keyway and setscrew. Metric shaft-ready round bore sprockets are shipped with keyway and no setscrew. Idler bores are designed to spin freely on the shaft. 24 tooth sprocket has a Length thru Bore of 1.62 in (41.1 mm).



### Pusher Attachment (F-Style)

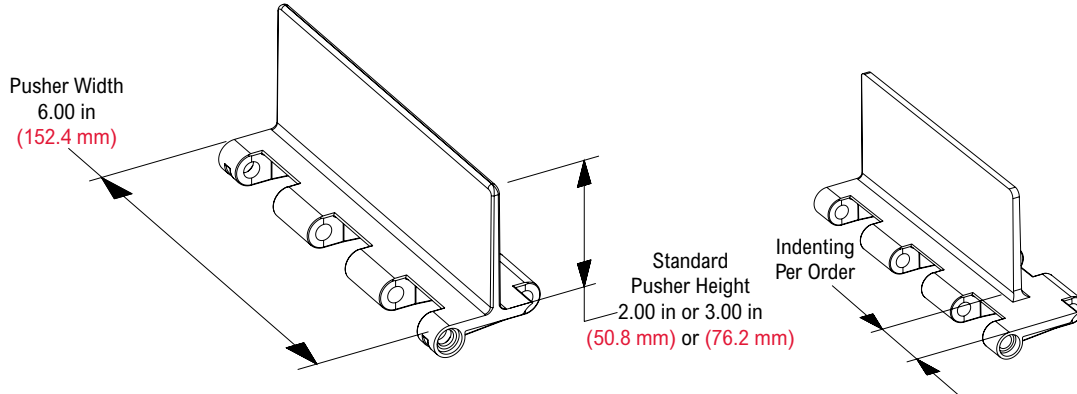
All pusher attachments are molded 6 in (152.4 mm) wide and can be cut down to a minimum height of 1/4 in (6.35 mm).

The F2 designation represents an F-style pusher attachment at a height of 2 in (50.8 mm).

Please indicate if pusher attachments are required every pitch, every second pitch, etc. when ordering. Also, indicate if indents are required in the center, on one or both sides of the chain.

For example, "I would like F2 pusher attachments every 8th pitch indented 3/4 in on both sides of the chain."

For 4705 and 4706 chains only.



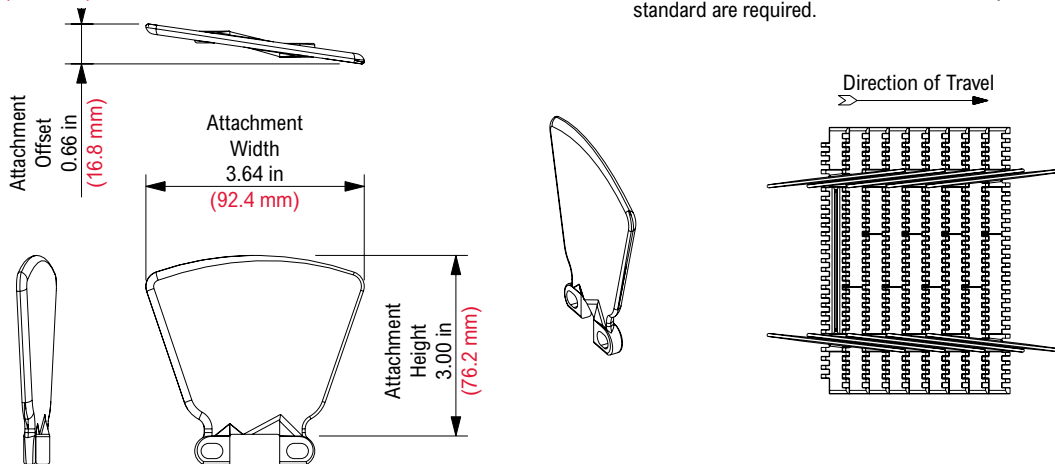
### Sideguard Attachment

Please indicate if sideguard attachments are required down one or both sides of the chain when ordering.

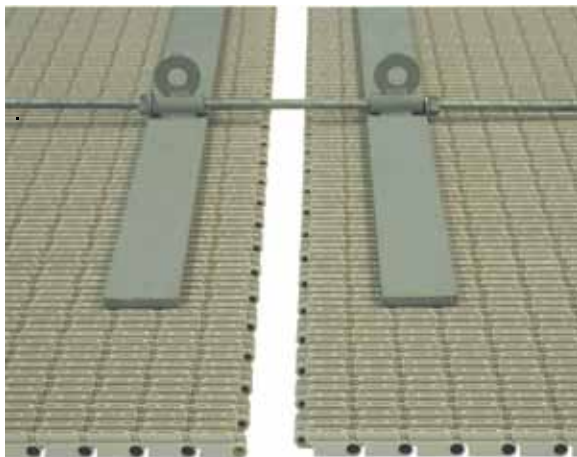
Sideguard attachments can be cut down to a minimum height of 1 in (25.4 mm).

If the chain is ordered with both sideguard and pusher attachments, the sideguard attachment will be furnished the same height as the pusher attachment.

Please contact Rexnord Industries, Inc if any deviations from this standard are required.

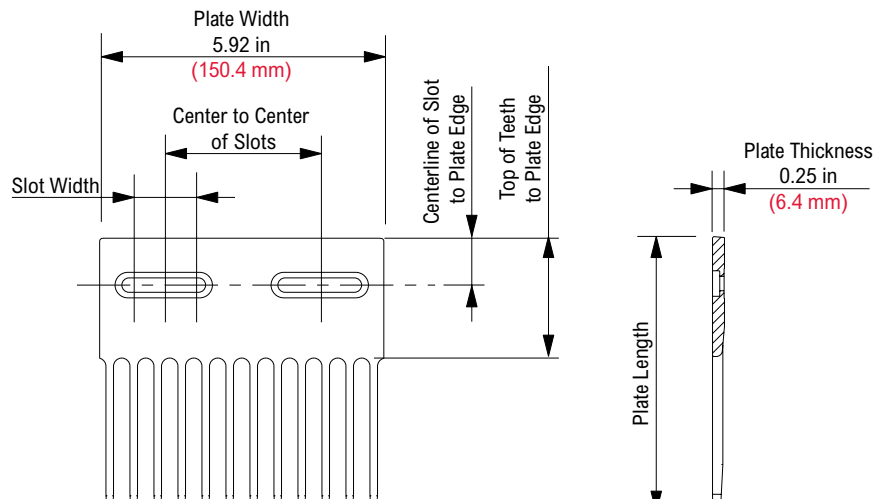


### 4707 Chain Assembly Tool



The chain assembly tool is designed to ease installation of Rexnord 4707 MatTop® chains on long or wide conveyors. The tool is available in 12 inch and 36 inch widths. Different combinations of the tool widths are recommended for various chain widths.

| Puller Width<br>in | Part Number |
|--------------------|-------------|
| 12.00              | 614-78-1    |
| 36.00              | 614-79-1    |



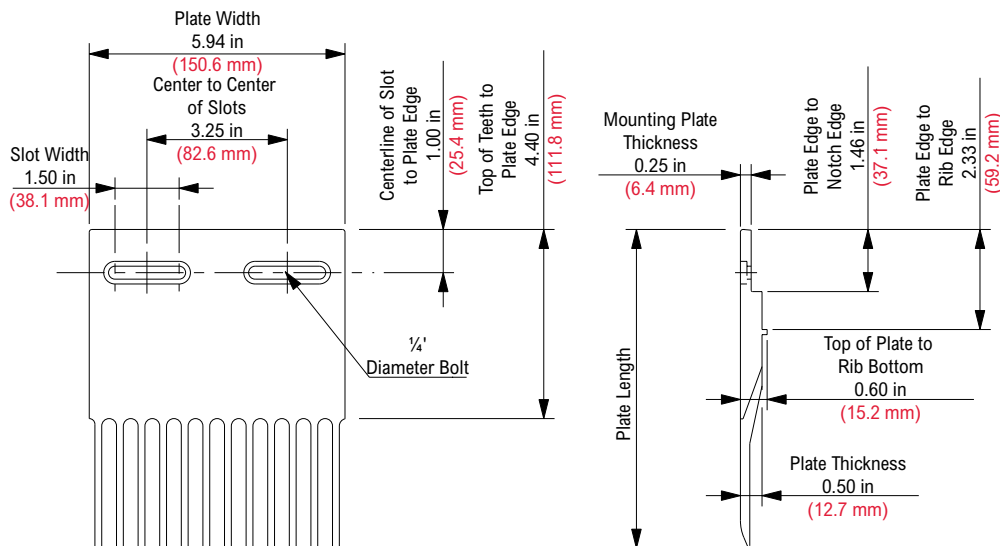
The 114-222-1 transfer comb is molded in white acetal. The 114-683-1 and 114-1010-1 transfer combs are molded in a proprietary black internally lubricated high temperature material.

Transfer comb kits are supplied with 1/4 x 20 screws and slot caps.

For 4707 and 5997 chains only.

| Transfer Comb Kit Number | Transfer Plate Part Number | Screw Part Number | Slot Caps Part Number | Plate Length |       | Slot Width |      | Distance From Centerline of Slot to Plate Edge |      | Distance From Top of Teeth to Plate Edge |      | Distance Between Center to Center of Slots |       | Approximate Weight |      |
|--------------------------|----------------------------|-------------------|-----------------------|--------------|-------|------------|------|------------------------------------------------|------|------------------------------------------|------|--------------------------------------------|-------|--------------------|------|
|                          |                            |                   |                       | in           | mm    | in         | mm   | in                                             | mm   | in                                       | mm   | in                                         | mm    | lbs                | kg   |
| 614-72-1                 | 114-222-1                  | 114-870-1         | 114-869-2             | 5.75         | 146.1 | 0.75       | 19.1 | 1.00                                           | 25.4 | 2.24                                     | 56.9 | 4.00                                       | 101.6 | 0.24               | 0.11 |
| 614-73-1                 | 114-683-1                  | 114-870-1         | 114-1009-2            | 8.50         | 215.9 | 1.50       | 38.1 | 2.00                                           | 50.8 | 3.50                                     | 88.9 | 3.25                                       | 82.6  | 0.28               | 0.13 |
| 614-74-1                 | 114-1010-1                 | 114-870-1         | 114-1009-2            | 7.50         | 190.5 | 1.50       | 38.1 | 1.00                                           | 25.4 | 2.50                                     | 63.5 | 3.25                                       | 82.6  | 0.30               | 0.14 |

## 4707/5997/Fortex Heavy Duty Transfer Comb Kit



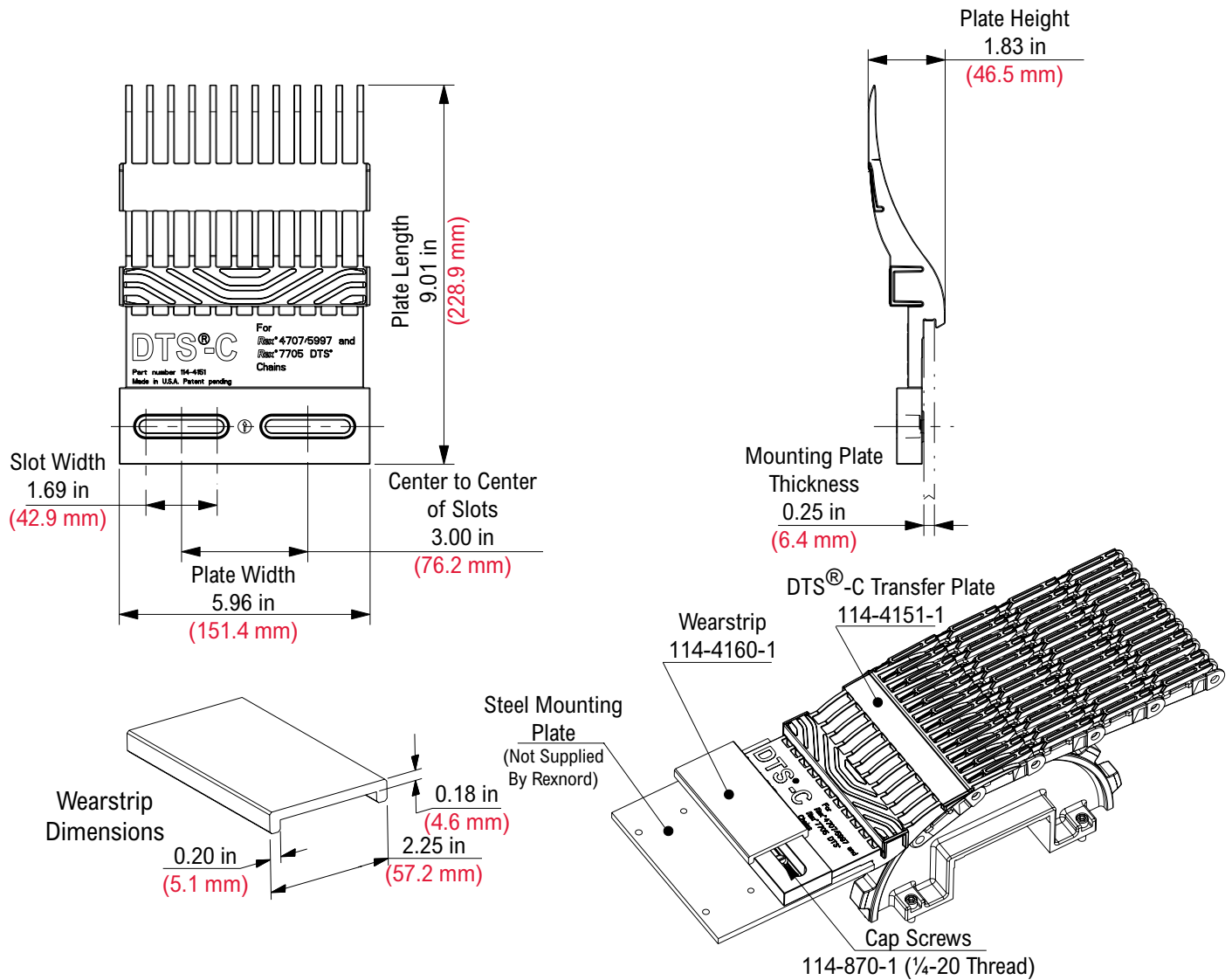
Transfer combs are molded in a proprietary black internally lubricated high temperature material.

Transfer comb kits are supplied with 1/4 x 20 screws and slot caps.

For 5997, 4707 and 9200 chains only.

The 114-3275-1 transfer comb has the bottom rib removed.

| Transfer Comb Kit Number | Transfer Plate Part Number | Screw Part Number | Slot Caps Part Number | Plate Length |       | Slot Width |      | Centerline of Slot to Plate Edge |      | Top of Teeth to Plate Edge |       | Center to Center of Slots |      | Approximate Weight |      |
|--------------------------|----------------------------|-------------------|-----------------------|--------------|-------|------------|------|----------------------------------|------|----------------------------|-------|---------------------------|------|--------------------|------|
|                          |                            |                   |                       | in           | mm    | in         | mm   | in                               | mm   | in                         | mm    | in                        | mm   | lbs                | kg   |
| 614-266-1                | 144-5346-1                 | 114-870-1         | 114-1009-2            | 6.18         | 157.0 | 1.50       | 38.1 | 1.00                             | 25.4 | 4.40                       | 111.8 | 3.25                      | 82.6 | 0.48               | 0.22 |
| 614-267-1                | 144-5347-1                 | 114-870-1         | 114-1009-2            | 7.95         | 201.9 | 1.50       | 38.1 | 1.00                             | 25.4 | 4.40                       | 111.8 | 3.25                      | 82.6 | 0.53               | 0.24 |
| 614-268-1                | 114-3275-1                 | 114-870-1         | 114-1009-2            | 7.95         | 201.9 | 1.50       | 38.1 | 1.00                             | 25.4 | 4.40                       | 111.8 | 3.25                      | 82.6 | 0.53               | 0.24 |



DTS-C Component Part Numbers

| Component Description | Kit Part Number | Comb Part Number | Screw Part Number | Wearstrip Part Number (10 ft length) | For Use With:                   |             |                     |
|-----------------------|-----------------|------------------|-------------------|--------------------------------------|---------------------------------|-------------|---------------------|
|                       |                 |                  |                   |                                      | Raised Rib Chain                | DTS Chain   | Takeaway Chain      |
| DTS-C Comb Kit        | 614- 448-1      | 114-4151-1       | 114-870-1         | NA                                   | 4707, 5997, 9217, 9227, or 9237 | 7705DTS-450 | 7705, 7706, or 1055 |
| Wearstrip             | NA              |                  |                   | 114-4160-1                           |                                 |             |                     |

Each kit includes one comb and two mounting screws.

Wearstrip is sold in 10 ft (3.048 m) lengths and is sold separately.