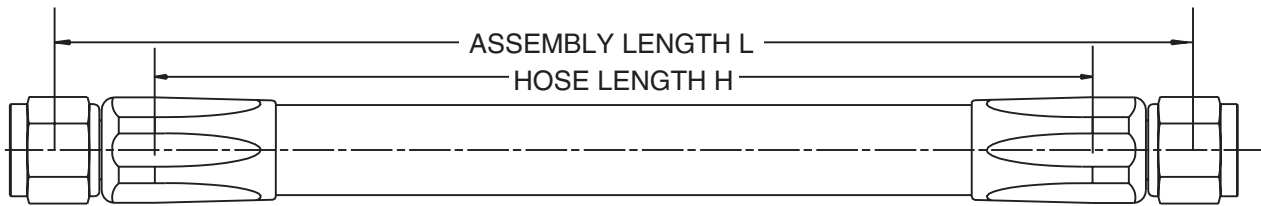
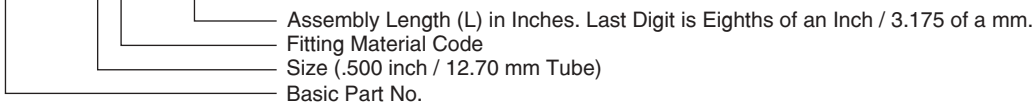


111 Flare Hose Assemblies



EXAMPLE OF PART NUMBER

111417-8D-0185

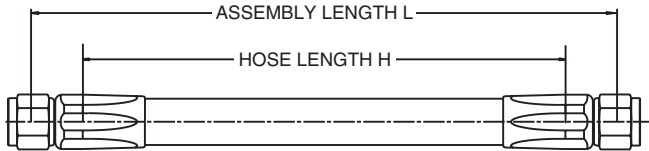


111F417

Basic Part No. with 2650 Fire Sleeve and 10781 Clamps.


Hose Assemblies with FLARE fittings meet the requirements of MIL-H-8795 and MS28741 -3 thru -32 (as noted). Fittings mate with MS33656/AS4395 type connectors. Assembly length measured from END of nipple to END of nipple.

Assemblies with Flare Fittings



Straight-To-Straight

NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

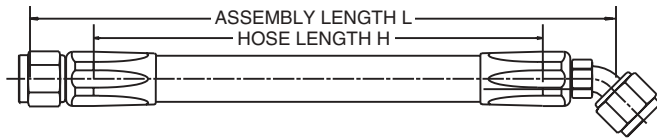
| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|---------------------------|----------------------------|---------------------------------|---|--|
| 111417-3S-L | 111-3 | 300-3S | 300-3S | L-1.30 <i>L-33.02</i> | 3.00 <i>76.20</i> | .178 <i>80.740</i> |
| 111417-4S-L | 111-4 | 300-4S | 300-4S | L-1.26 <i>L-32.00</i> | 3.00 <i>76.20</i> | .239 <i>108.409</i> |
| 111417-5S-L | 111-5 | 300-5S | 300-5S | L-1.48 <i>L-37.59</i> | 3.38 <i>85.85</i> | .279 <i>126.552</i> |
| 111417-6S-L | 111-6 | 300-6S | 300-6S | L-1.52 <i>L-38.61</i> | 4.00 <i>101.60</i> | .391 <i>177.355</i> |
| 111417-8D-L | 111-8 | 300-8D | 300-8D | L-1.86 <i>L-47.24</i> | 4.63 <i>117.60</i> | .411 <i>186.427</i> |
| 111417-10D-L | 111-10 | 300-10D | 300-10D | L-1.98 <i>L-50.29</i> | 5.50 <i>139.70</i> | .585 <i>265.352</i> |
| 111417-12D-L | 111-12 | 300-12D | 300-12D | L-2.00 <i>L-50.80</i> | 6.50 <i>165.10</i> | .750 <i>340.194</i> |
| 111417-16D-L | 111-16 | 300-16D | 300-16D | L-1.88 <i>L-47.75</i> | 7.38 <i>187.45</i> | .818 <i>371.039</i> |
| 111417-20D-L | 111-20 | 300-20D | 300-20D | L-1.96 <i>L-49.78</i> | 9.00 <i>228.60</i> | 1.263 <i>572.887</i> |
| 111417-24D-L | 111-24 | 300-24D | 300-24D | L-2.16 <i>L-54.86</i> | 11.00 <i>297.40</i> | 15.769 <i>715.769</i> |
| 111417-32D-L | 111-32 | 300-32D | 300-32D | L-2.46 <i>L-62.48</i> | 13.25 <i>336.55</i> | 2.491 <i>1129.900</i> |
| 111417-40D-L | 111-40 | 312-40D | 312-40D | L-2.88 <i>L-73.15</i> | 24.00 <i>609.60</i> | 3.633 <i>1647.901</i> |
| 111417-48D-L | 111-48 | 312-48D | 312-48D | L-2.98 <i>L-75.69</i> | 33.00 <i>838.20</i> | 5.346 <i>2424.905</i> |

MS28741 (-3 / -32)




111 Flare Hose Assemblies

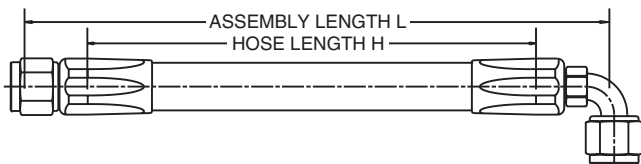
Assemblies with Flare Fittings



Straight-To-45° Elbow


NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|------------------------|-------------------------|---------------------------------|---|--|
| 111502-4S-L | 111-4 | 300-4S | 646-4S | L-1.75 <i>L-44.45</i> | 3.00 <i>76.20</i> | .246 <i>111.584</i> |
| 111502-5S-L | 111-5 | 300-5S | 646-5S | L-2.08 <i>L-52.83</i> | 3.38 <i>85.85</i> | .295 <i>133.810</i> |
| 111502-6S-L | 111-6 | 300-6S | 646-6S | L-2.14 <i>L-54.36</i> | 4.00 <i>101.60</i> | .408 <i>185.066</i> |
| 111502-8D-L | 111-8 | 300-8D | 646-8D | L-2.48 <i>L-62.99</i> | 4.63 <i>117.60</i> | .411 <i>186.427</i> |
| 111502-10D-L | 111-10 | 300-10D | 646-10D | L-2.69 <i>L-68.33</i> | 5.50 <i>139.70</i> | .596 <i>270.341</i> |
| 111501-12D-L | 111-12 | 300-12D | 640-12D | L-2.89 <i>L-73.41</i> | 6.50 <i>165.10</i> | .756 <i>342.916</i> |
| 111501-16D-L | 111-16 | 300-16D | 640-16D | L-2.78 <i>L-70.61</i> | 7.38 <i>187.45</i> | .824 <i>373.760</i> |
| 111501-20D-L | 111-20 | 300-20D | 640-20D | L-3.14 <i>L-79.76</i> | 9.00 <i>228.60</i> | 1.270 <i>576.062</i> |
| 111501-24D-L | 111-24 | 300-24D | 640-24D | L-3.48 <i>L-88.39</i> | 11.00 <i>279.40</i> | 1.585 <i>718.944</i> |



Straight-To-90° Elbow

NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|------------------------|-------------------------|---------------------------------|---|--|
| 111504-4S-L | 111-4 | 300-4S | 649-4S | L-1.62 <i>L-41.15</i> | 3.00 <i>76.20</i> | .255 <i>115.666</i> |
| 111504-5S-L | 111-5 | 300-5S | 649-5S | L-1.92 <i>L-48.77</i> | 3.38 <i>85.85</i> | .306 <i>138.799</i> |
| 111504-6S-L | 111-6 | 300-6S | 649-6S | L-1.98 <i>L-50.29</i> | 4.00 <i>101.60</i> | .418 <i>189.602</i> |
| 111504-8D-L | 111-8 | 300-8D | 649-8D | L-2.32 <i>L-58.93</i> | 4.63 <i>117.60</i> | .423 <i>191.870</i> |
| 111504-10D-L | 111-10 | 300-10D | 649-10D | L-2.51 <i>L-63.75</i> | 5.50 <i>139.70</i> | .594 <i>269.434</i> |
| 111503-12D-L | 111-12 | 300-12D | 643-12D | L-2.76 <i>L-70.10</i> | 6.50 <i>165.10</i> | .765 <i>347.000</i> |
| 111503-16D-L | 111-16 | 300-16D | 643-16D | L-2.69 <i>L-68.33</i> | 7.38 <i>187.45</i> | .843 <i>382.378</i> |
| 111503-20D-L | 111-20 | 300-20D | 643-20D | L-3.07 <i>L-77.98</i> | 9.00 <i>228.60</i> | 1.279 <i>580.145</i> |
| 111503-24D-L | 111-24 | 300-24D | 643-24D | L-3.42 <i>L-86.87</i> | 11.00 <i>279.40</i> | 1.626 <i>737.541</i> |

111 Flare Hose Assemblies

EXAMPLE OF PART NUMBER

111509E0185D180

Basic Part No.

111F509

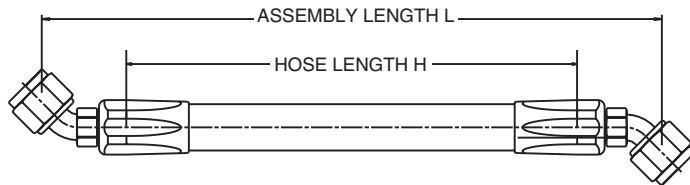
Twist Angle (*) In Degrees
 Fitting Material Code
 Assembly Length (L) in Inches. Last Digit is Eighths of an inch / 3.175 of a mm.
 SIZE CODE FOR DOUBLE ELBOW HOSE ASSEMBLIES

| | | | | | | | | | |
|----------------|----|----|----|----|-----|-----|-----|-----|-----|
| Hose Dash Size | -4 | -5 | -6 | -8 | -10 | -12 | -16 | -20 | -24 |
| Letter Code | B | C | D | E | F | G | H | J | K |

Basic Part Number
 with 2650 Fire Sleeve
 and 10781 Clamps.


Assembly length measured from END of nipple to END of nipple.

Assemblies with Double Elbow Flare Fittings



45° Elbow-to-45°-Elbow

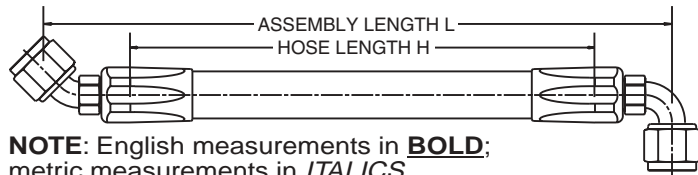
NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|---------------------------|----------------------------|----------------------------------|---|--|
| 111509B(L)S* | 111-4 | 646-4S | 646-4S | L-2.24 <i>L-56.90</i> | 3.00 <i>76.20</i> | .253 <i>6.426</i> |
| 111509C(L)S* | 111-5 | 646-5S | 646-5S | L-2.68 <i>L-68.07</i> | 3.38 <i>85.85</i> | .311 <i>7.900</i> |
| 111509D(L)S* | 111-6 | 646-6S | 646-6S | L-2.76 <i>L-70.10</i> | 4.00 <i>101.60</i> | .426 <i>10.820</i> |
| 111509E(L)D* | 111-8 | 646-8D | 646-8D | L-3.10 <i>L-78.74</i> | 4.63 <i>117.60</i> | .412 <i>10.465</i> |
| 111509F(L)D* | 111-10 | 646-10D | 646-10D | L-3.40 <i>L-86.36</i> | 5.50 <i>139.70</i> | .607 <i>15.418</i> |
| 111423G(L)D* | 111-12 | 640-12D | 640-12D | L-3.78 <i>L-96.01</i> | 6.50 <i>165.10</i> | .762 <i>19.355</i> |
| 111423H(L)D* | 111-16 | 640-16D | 640-16D | L-3.68 <i>L-93.47</i> | 7.38 <i>187.45</i> | .830 <i>21.082</i> |
| 111423J(L)D* | 111-20 | 640-20D | 640-20D | L-4.32 <i>L-109.73</i> | 9.00 <i>228.60</i> | 1.271 <i>32.283</i> |
| 111423K(L)D* | 111-24 | 640-24D | 640-24D | L-4.80 <i>L-121.92</i> | 11.00 <i>279.40</i> | 1.594 <i>48.488</i> |

*See "Twist Angle" Measurement on Page 4.


111 Flare Hose Assemblies

Assemblies with Double Elbow Flare Fittings

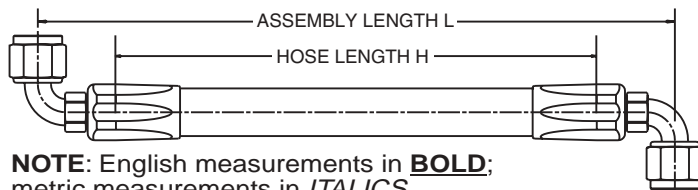


45° Elbow-To-90° Elbow


NOTE: English measurements in **BOLD**;
metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|---------------------------|----------------------------|----------------------------------|---|--|
| 111511B(L)S* | 111-4 | 646-4S | 649-4S | L-2.11 <i>L-53.59</i> | 3.00 <i>76.20</i> | .262 <i>6.655</i> |
| 111511C(L)S* | 111-5 | 646-5S | 649-5S | L-2.52 <i>L-64.01</i> | 3.38 <i>85.85</i> | .322 <i>8.179</i> |
| 111511D(L)S* | 111-6 | 646-6S | 649-6S | L-2.60 <i>L-66.04</i> | 4.00 <i>101.60</i> | .436 <i>11.074</i> |
| 111511E(L)D* | 111-8 | 646-8D | 649-8D | L-2.94 <i>L-74.68</i> | 4.63 <i>117.60</i> | .423 <i>10.744</i> |
| 111511F(L)D* | 111-10 | 646-10D | 649-10D | L-3.22 <i>L-81.79</i> | 5.50 <i>139.70</i> | .605 <i>15.367</i> |
| 111507G(L)D* | 111-12 | 640-12D | 643-12D | L-3.65 <i>L-92.71</i> | 6.50 <i>165.10</i> | .771 <i>19.583</i> |
| 111507H(L)D* | 111-16 | 640-16D | 643-16D | L-3.59 <i>L-91.19</i> | 7.38 <i>187.45</i> | .849 <i>21.565</i> |
| 111507J(L)D* | 111-20 | 640-20D | 643-20D | L-4.25 <i>L-107.95</i> | 9.00 <i>228.60</i> | 1.280 <i>32.512</i> |
| 111507K(L)D* | 111-24 | 640-24D | 643-24D | L-4.75 <i>L-120.65</i> | 11.00 <i>279.40</i> | 1.634 <i>41.504</i> |

*See "Twist Angle"
Measurement on Page 4.

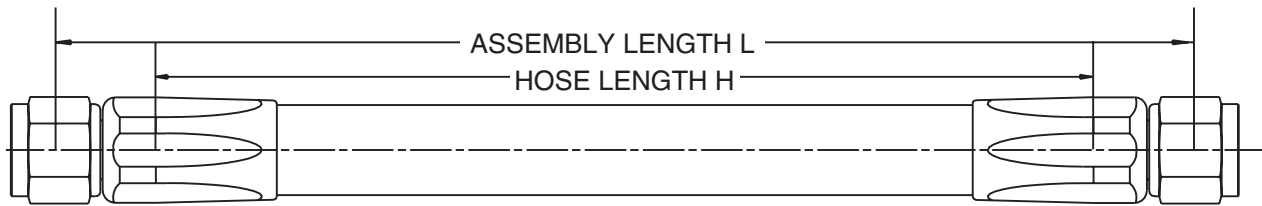


NOTE: English measurements in **BOLD**;
metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|---------------------------|----------------------------|----------------------------------|---|--|
| 111514B(L)S* | 111-4 | 649-4S | 649-4S | L-1.98 <i>L-50.29</i> | 3.00 <i>76.20</i> | .270 <i>6.858</i> |
| 111514C(L)S* | 111-5 | 649-5S | 649-5S | L-2.36 <i>L-59.94</i> | 3.38 <i>85.85</i> | .333 <i>8.458</i> |
| 111514D(L)S* | 111-6 | 649-6S | 649-6S | L-2.44 <i>L-61.98</i> | 4.00 <i>101.60</i> | .446 <i>11.328</i> |
| 111514E(L)D* | 111-8 | 649-8D | 649-8D | L-2.78 <i>L-70.61</i> | 4.63 <i>117.60</i> | .435 <i>11.049</i> |
| 111514F(L)D* | 111-10 | 649-10D | 649-10D | L-3.04 <i>L-77.22</i> | 5.50 <i>139.70</i> | .604 <i>15.342</i> |
| 111512G(L)D* | 111-12 | 643-12D | 643-12D | L-3.52 <i>L-89.41</i> | 6.50 <i>165.10</i> | .780 <i>19.812</i> |
| 111512H(L)D* | 111-16 | 643-16D | 643-16D | L-3.50 <i>L-88.90</i> | 7.38 <i>187.45</i> | .867 <i>22.022</i> |
| 111512J(L)D* | 111-20 | 643-20D | 643-20D | L-4.18 <i>L-106.17</i> | 9.00 <i>228.60</i> | 1.289 <i>32.741</i> |
| 111512K(L)D* | 111-24 | 643-24D | 643-24D | L-4.70 <i>L-119.38</i> | 11.00 <i>279.40</i> | 1.675 <i>42.545</i> |

*See "Twist Angle"
Measurement on Page 4.

111 Flareless Hose Assemblies



EXAMPLE OF PART NUMBER

111515-8D-0185

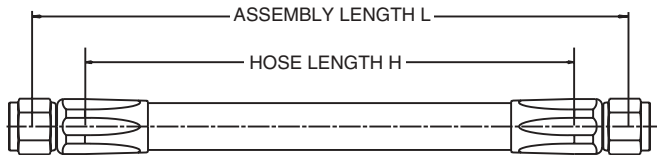
Assembly Length (L) in Inches. Last Digit is Eighths of an Inch / 3.175 of a mm.
 Fitting Material Code
 Size (.500 inch / 12.70 mm Tube)
 Basic Part No.

111F515

Basic Part No. with 2650 Fire Sleeve and 10781 Clamps.


Hose Assemblies with FLARELESS fittings meet the requirements of MIL-H-8795. Fittings mate with MS33514/AS4375 type connections. Assembly length measured from END of nipple to END of nipple. See "MEASUREMENT OF FLARELESS HOSE ASSEMBLIES" to convert to GAGE POINT to GAGE POINT assembly length.

Assemblies with Flareless Fittings



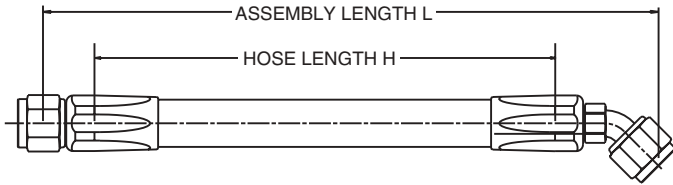
Straight-To-Straight

NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|---------------------------|----------------------------|----------------------------------|---|--|
| 111515-4S-L | 111-4 | 25134-4-4S | 25134-4-4S | L-2.04 <i>L-51.82</i> | 3.00 <i>76.20</i> | .248 <i>6.299</i> |
| 111515-6S-L | 111-6 | 25134-6-6S | 25134-6-6S | L-2.32 <i>L-58.93</i> | 4.00 <i>101.60</i> | .406 <i>10.312</i> |
| 111515-8D-L | 111-8 | 25134-8-8D | 25134-8-8D | L-2.76 <i>L-70.10</i> | 4.63 <i>117.60</i> | .413 <i>10.490</i> |
| 111515-10D-L | 111-10 | 25134-10-10D | 25134-10-10D | L-3.04 <i>L-77.22</i> | 5.50 <i>139.70</i> | .596 <i>15.138</i> |
| 111515-12D-L | 111-12 | 25134-12-12D | 25134-12-12D | L-3.20 <i>L-81.28</i> | 6.50 <i>165.10</i> | .766 <i>19.456</i> |
| 111515-16D-L | 111-16 | 25134-16-16D | 25134-16-16D | L-3.62 <i>L-91.95</i> | 7.38 <i>187.45</i> | .896 <i>22.758</i> |
| 111515-20D-L | 111-20 | 25134-20-20D | 25134-20-20D | L-3.92 <i>L-99.57</i> | 9.00 <i>228.60</i> | 1.514 <i>38.456</i> |
| 111515-24D-L | 111-24 | 25134-24-24D | 25134-24-24D | L-4.42 <i>L-112.27</i> | 11.00 <i>279.40</i> | 1.797 <i>45.644</i> |


111 Flareless Hose Assemblies

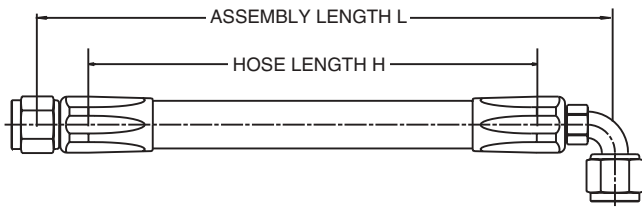
Assemblies with Flareless Fittings



Straight-To-45° Elbow


NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|------------------------|-------------------------|----------------------------------|---|--|
| 111517-4S-L | 111-4 | 25134-4-4S | 25136-4-4S | L-2.30 <i>L-58.42</i> | 3.00 <i>76.20</i> | .251 <i>113.85</i> |
| 111517-6S-L | 111-6 | 25134-6-6S | 25136-6-6S | L-2.74 <i>L-69.60</i> | 4.00 <i>101.60</i> | .419 <i>190.06</i> |
| 111517-8D-L | 111-8 | 25134-8-8D | 25136-8-8D | L-3.18 <i>L-80.77</i> | 4.63 <i>117.60</i> | .411 <i>186.43</i> |
| 111517-10D-L | 111-10 | 25134-10-10D | 25136-10-10D | L-3.49 <i>L-88.65</i> | 5.50 <i>139.70</i> | .588 <i>266.71</i> |
| 111517-12D-L | 111-12 | 25134-12-12D | 25136-12-12D | L-4.06 <i>L-103.12</i> | 6.50 <i>165.10</i> | .747 <i>338.83</i> |
| 111517-16D-L | 111-16 | 25134-16-16D | 25136-16-16D | L-4.34 <i>L-110.24</i> | 7.38 <i>187.45</i> | .856 <i>388.28</i> |



Straight-To-90° Elbow

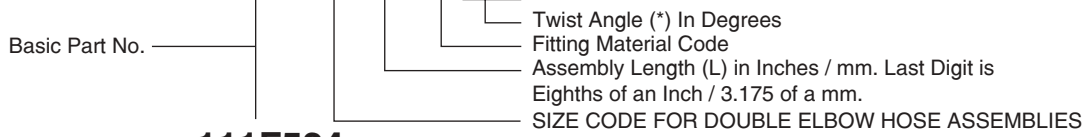
NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|------------------------|-------------------------|----------------------------------|---|--|
| 111519-4S-L | 111-4 | 25134-4-4S | 25138-4-4S | L-2.01 <i>L-51.05</i> | 3.00 <i>76.20</i> | .257 <i>116.57</i> |
| 111519-6S-L | 111-6 | 25134-6-6S | 25138-6-6S | L-2.38 <i>L-60.45</i> | 4.00 <i>101.60</i> | .430 <i>195.04</i> |
| 111519-8D-L | 111-8 | 25134-8-8D | 25138-8-8D | L-2.77 <i>L-70.36</i> | 4.63 <i>117.60</i> | .423 <i>191.87</i> |
| 111519-10D-L | 111-10 | 25134-10-10D | 25138-10-10D | L-3.04 <i>L-77.22</i> | 5.50 <i>139.70</i> | .609 <i>276.24</i> |
| 111519-12D-L | 111-12 | 25134-12-12D | 25138-12-12D | L-3.77 <i>L-95.76</i> | 6.50 <i>165.10</i> | .772 <i>350.17</i> |
| 111519-16D-L | 111-16 | 25134-16-16D | 25138-16-16D | L-4.09 <i>L-103.89</i> | 7.38 <i>187.45</i> | .892 <i>404.60</i> |

111 Flareless Hose Assemblies

EXAMPLE OF PART NUMBER

111524E0185D180



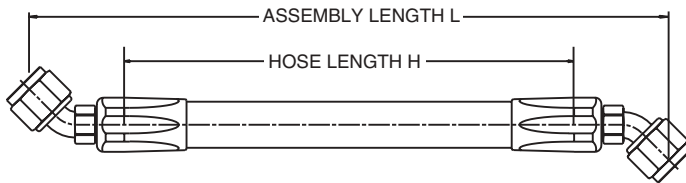
Basic Part Number with 2650 Fire Sleeve and 10781 Clamps.

111F524

| | | | | | | |
|----------------|----|----|----|-----|-----|-----|
| Hose Dash Size | -4 | -6 | -8 | -10 | -12 | -16 |
| Letter Code | B | D | E | F | G | H |


Assembly length measured from END of nipple to END of nipple. See 'MEASUREMENT OF FLARELESS HOSE ASSEMBLIES' to convert to GAGE POINT to GAGE POINT assembly length.

Assemblies with Double Elbow Flareless Fittings



45° Elbow-to-45°-Elbow

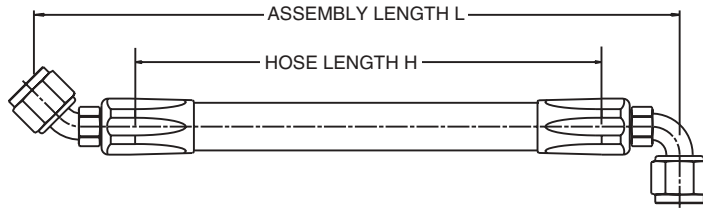
NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|------------------------|-------------------------|----------------------------------|---|--|
| 111524B(L)S* | 111-4 | 25136-4-4S | 25136-4-4S | L-2.56 <i>L-65.02</i> | 3.00 <i>76.20</i> | .255 <i>115.67</i> |
| 111524D(L)S* | 111-6 | 25136-6-6S | 25136-6-6S | L-3.16 <i>L-80.26</i> | 4.00 <i>101.60</i> | .432 <i>195.95</i> |
| 111524E(L)D* | 111-8 | 25136-8-8D | 25136-8-8D | L-3.60 <i>L-91.44</i> | 4.63 <i>117.60</i> | .409 <i>185.52</i> |
| 111524F(L)D* | 111-10 | 25136-10-10D | 25136-10-10D | L-3.94 <i>L-100.08</i> | 5.50 <i>139.70</i> | .580 <i>267.17</i> |
| 111524G(L)D* | 111-12 | 25136-12-12D | 25136-12-12D | L-4.92 <i>L-124.97</i> | 6.50 <i>165.10</i> | .727 <i>329.76</i> |
| 111524H(L)D* | 111-16 | 25136-16-16D | 25136-16-16D | L-5.06 <i>L-128.52</i> | 7.38 <i>187.45</i> | .815 <i>369.68</i> |

*See "Twist Angle" Measurement on Page 4.


111 Flareless Hose Assemblies

Assemblies with Double Elbow Flareless Fittings

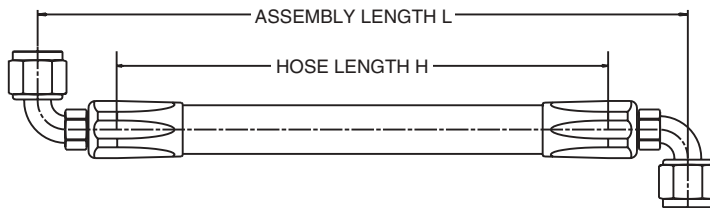


45° Elbow-To-90° Elbow

NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.


| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | Cut-Factor H |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|------------------------|-------------------------|----------------------------------|---|--|
| 111526B(L)S* | 111-4 | 25136-4-4S | 25138-4-4S | L-2.27 <i>L-50.29</i> | 3.00 <i>76.20</i> | .261 <i>118.39</i> |
| 111526D(L)S* | 111-6 | 25136-6-6S | 25138-6-6S | L-2.80 <i>L-61.98</i> | 4.00 <i>101.60</i> | .443 <i>200.94</i> |
| 111526E(L)D* | 111-8 | 25136-8-8D | 25138-8-8D | L-3.19 <i>L-70.61</i> | 4.63 <i>117.60</i> | .421 <i>190.96</i> |
| 111526F(L)D* | 111-10 | 25136-10-10D | 25138-10-10D | L-3.49 <i>L-77.22</i> | 5.50 <i>139.70</i> | .601 <i>272.61</i> |
| 111526G(L)D* | 111-12 | 25136-12-12D | 25138-12-12D | L-4.63 <i>L-110.24</i> | 6.50 <i>165.10</i> | .752 <i>341.10</i> |
| 111526H(L)D* | 111-16 | 25136-16-16D | 25138-16-16D | L-4.81 <i>L-115.82</i> | 7.38 <i>187.45</i> | .852 <i>386.46</i> |

*See "Twist Angle" Measurement on Page 4.



90° Elbow-To-90° Elbow

NOTE: English measurements in **BOLD**; metric measurements in *ITALICS*.

| # | Hose | Left Hand Hose Fitting | Right Hand Hose Fitting | H Cut-Factor |  | 12 in. (304.8 mm) Ass'y Weight lb. (g) |
|--------------|--------|------------------------|-------------------------|----------------------------------|---|--|
| 111528B(L)S* | 111-4 | 25138-4-4S | 25138-4-4S | L-1.98 <i>L-50.29</i> | 3.00 <i>76.20</i> | .266 <i>120.66</i> |
| 111528D(L)S* | 111-6 | 25138-6-6S | 25138-6-6S | L-2.44 <i>L-61.98</i> | 4.00 <i>101.60</i> | .396 <i>179.62</i> |
| 111528E(L)D* | 111-8 | 25138-8-8D | 25138-8-8D | L-2.78 <i>L-70.61</i> | 4.63 <i>117.60</i> | .433 <i>196.41</i> |
| 111528F(L)D* | 111-10 | 25138-10-10D | 25138-10-10D | L-3.04 <i>L-77.22</i> | 5.50 <i>139.70</i> | .622 <i>282.13</i> |
| 111428G(L)D* | 111-12 | 25138-12-12D | 25138-12-12D | L-4.34 <i>L-110.24</i> | 6.50 <i>165.10</i> | .777 <i>352.44</i> |
| 111428H(L)D* | 111-16 | 25138-16-16D | 25138-16-16D | L-4.56 <i>L-115.82</i> | 7.38 <i>187.45</i> | .888 <i>402.79</i> |

*See "Twist Angle" Measurement on Page 4.