

# HYDRAULIC HOSE

## HOSE FOR GENERAL HYDRAULIC OIL PIPING / K TYPE(for high pressure)

### <Specifications>

- Construction : Tube ----- Synthetic rubber excellent in oil resistance  
Reinforcement ----- High tensile steel wire  
Cover ----- Synthetic rubber excellent in oil and weather resistance
- Fluids: General hydraulic oil  
Water + Ethylene glycol hydraulic oil  
Water + Mineral emulsion hydraulic oil
- Fluid temperature : -40°C to +100°C
- Ambient temperature : -40°C to +70°C

※The specifications showed in yellow indicate our standard products.

### K-35

| Part No. | Nominal Size | I.D. (mm) | O.D. (mm) | Rein-forcement | Max Working Pressure (MPa) | Min Burst Pressure (MPa) | Min Bend Radius (mm) | Approx. Weight (g/m) |
|----------|--------------|-----------|-----------|----------------|----------------------------|--------------------------|----------------------|----------------------|
| K-35-12  | 12           | 12.7      | 20.7      | 1W             | 3.5                        | 17.5                     | 125                  | 510                  |
| K-35-19  | 19           | 19.0      | 27.8      | 1W             | 3.5                        | 17.5                     | 180                  | 730                  |
| K-35-25  | 25           | 25.4      | 35.7      | 1W             | 3.5                        | 17.5                     | 240                  | 1,055                |
| K-35-32  | 32           | 31.8      | 40.6      | 1W             | 3.5                        | 17.5                     | 330                  | 1,225                |
| K-35-38  | 38           | 38.1      | 50.8      | 1W             | 3.5                        | 17.5                     | 370                  | 1,785                |
| K-35-50  | 50           | 50.8      | 64.3      | 1W             | 3.5                        | 17.5                     | 480                  | 2,445                |

### K-70

| Part No. | Nominal Size | I.D. (mm) | O.D. (mm) | Rein-forcement | Max Working Pressure (MPa) | Min Burst Pressure (MPa) | Min Bend Radius (mm) | Approx. Weight (g/m) |
|----------|--------------|-----------|-----------|----------------|----------------------------|--------------------------|----------------------|----------------------|
| K-70-06  | 6            | 6.3       | 13.3      | 1W             | 7.0                        | 35.0                     | 80                   | 260                  |
| K-70-09  | 9            | 9.5       | 17.5      | 1W             | 7.0                        | 35.0                     | 110                  | 400                  |
| K-70-12  | 12           | 12.7      | 20.7      | 1W             | 7.0                        | 35.0                     | 125                  | 510                  |
| K-70-19  | 19           | 19.0      | 27.8      | 1W             | 7.0                        | 35.0                     | 180                  | 730                  |
| K-70-25  | 25           | 25.4      | 35.7      | 1W             | 7.0                        | 35.0                     | 240                  | 1,055                |
| K-70-32  | 32           | 31.8      | 40.6      | 1W             | 7.0                        | 35.0                     | 330                  | 1,225                |
| K-70-38  | 38           | 38.1      | 54.8      | 2W             | 7.0                        | 35.0                     | 390                  | 2,755                |
| K-70-50  | 50           | 50.8      | 67.5      | 2W             | 7.0                        | 35.0                     | 520                  | 3,515                |

### K-105

| Part No. | Nominal Size | I.D. (mm) | O.D. (mm) | Rein-forcement | Max Working Pressure (MPa) | Min Burst Pressure (MPa) | Min Bend Radius (mm) | Approx. Weight (g/m) |
|----------|--------------|-----------|-----------|----------------|----------------------------|--------------------------|----------------------|----------------------|
| K-105-06 | 6            | 6.3       | 13.3      | 1W             | 10.5                       | 52.5                     | 85                   | 260                  |
| K-105-09 | 9            | 9.5       | 17.5      | 1W             | 10.5                       | 52.5                     | 110                  | 400                  |
| K-105-12 | 12           | 12.7      | 20.7      | 1W             | 10.5                       | 52.5                     | 140                  | 510                  |
| K-105-19 | 19           | 19.0      | 27.8      | 1W             | 10.5                       | 42.0                     | 210                  | 730                  |
| K-105-25 | 25           | 25.4      | 38.0      | 2W             | 10.5                       | 42.0                     | 250                  | 1,580                |
| K-105-32 | 32           | 31.8      | 42.8      | 2W             | 10.5                       | 42.0                     | 355                  | 1,795                |

## K-140

| Part No. | Nominal Size | I.D. (mm) | O.D. (mm) | Rein-<br>forcement | Max Working Pressure (MPa) | Min Burst Pressure (MPa) | Min Bend Radius (mm) | Approx. Weight (g/m) |
|----------|--------------|-----------|-----------|--------------------|----------------------------|--------------------------|----------------------|----------------------|
| K-140-06 | 6            | 6.3       | 13.3      | 1W                 | 14.0                       | 70.0                     | 85                   | 260                  |
| K-140-09 | 9            | 9.5       | 17.5      | 1W                 | 14.0                       | 70.0                     | 115                  | 400                  |
| K-140-12 | 12           | 12.7      | 20.7      | 1W                 | 14.0                       | 70.0                     | 160                  | 510                  |
| K-140-19 | 19           | 19.0      | 29.4      | 2W                 | 14.0                       | 70.0                     | 210                  | 1,065                |
| K-140-25 | 25           | 25.4      | 38.0      | 2W                 | 14.0                       | 70.0                     | 280                  | 1,580                |
| K-140-32 | 32           | 31.8      | 42.8      | 2W                 | 14.0                       | 56.0                     | 420                  | 1,795                |

## K-175

| Part No. | Nominal Size | I.D. (mm) | O.D. (mm) | Rein-<br>forcement | Max Working Pressure (MPa) | Min Burst Pressure (MPa) | Min Bend Radius (mm) | Approx. Weight (g/m) |
|----------|--------------|-----------|-----------|--------------------|----------------------------|--------------------------|----------------------|----------------------|
| K-175-06 | 6            | 6.3       | 13.3      | 1W                 | 17.5                       | 87.5                     | 90                   | 260                  |
| K-175-09 | 9            | 9.5       | 17.5      | 1W                 | 17.5                       | 87.5                     | 120                  | 400                  |
| K-175-12 | 12           | 12.7      | 22.2      | 2W                 | 17.5                       | 87.5                     | 160                  | 760                  |

## K-210

| Part No. | Nominal Size | I.D. (mm) | O.D. (mm) | Rein-<br>forcement | Max Working Pressure (MPa) | Min Burst Pressure (MPa) | Min Bend Radius (mm) | Approx. Weight (g/m) |
|----------|--------------|-----------|-----------|--------------------|----------------------------|--------------------------|----------------------|----------------------|
| K-210-06 | 6            | 6.3       | 13.3      | 1W                 | 21.0                       | 105.0                    | 100                  | 260                  |
| K-210-09 | 9            | 9.5       | 19.1      | 2W                 | 21.0                       | 105.0                    | 130                  | 615                  |
| K-210-12 | 12           | 12.7      | 22.2      | 2W                 | 21.0                       | 105.0                    | 160                  | 760                  |
| K-210-19 | 19           | 19.0      | 28.8      | 2W                 | 21.0                       | 84.0                     | 240                  | 1,110                |
| K-210-25 | 25           | 25.4      | 37.2      | 2W                 | 21.0                       | 84.0                     | 300                  | 1,760                |

## K-280

| Part No. | Nominal Size | I.D. (mm) | O.D. (mm) | Rein-<br>forcement | Max Working Pressure (MPa) | Min Burst Pressure (MPa) | Min Bend Radius (mm) | Approx. Weight (g/m) |
|----------|--------------|-----------|-----------|--------------------|----------------------------|--------------------------|----------------------|----------------------|
| K-280-06 | 6            | 6.3       | 15.1      | 2W                 | 28.0                       | 140.0                    | 100                  | 435                  |
| K-280-09 | 9            | 9.5       | 19.1      | 2W                 | 28.0                       | 140.0                    | 130                  | 615                  |

## K-350

| Part No. | Nominal Size | I.D. (mm) | O.D. (mm) | Rein-<br>forcement | Max Working Pressure (MPa) | Min Burst Pressure (MPa) | Min Bend Radius (mm) | Approx. Weight (g/m) |
|----------|--------------|-----------|-----------|--------------------|----------------------------|--------------------------|----------------------|----------------------|
| K-350-06 | 6            | 6.3       | 17.5      | 2W                 | 35.0                       | 140.0                    | 100                  | 610                  |



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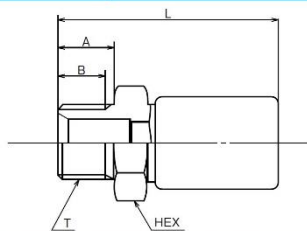
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### 01 TYPE

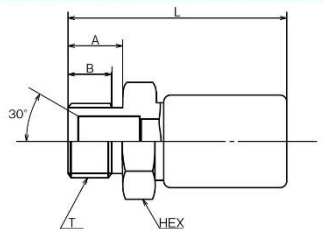
Taper male screw for pipe



| Nominal Size | T Thread         | I.D. (mm) | A (mm) | B (mm) | L (mm) | HEX (mm) | Part No. | Hose Part No. |
|--------------|------------------|-----------|--------|--------|--------|----------|----------|---------------|
| 6            | R $\frac{1}{4}$  | 4         | 14     | 11     | 55     | 19       | 6-01     | K-70~350      |
| 9            | R $\frac{3}{8}$  | 7         | 15     | 12     | 62     | 22       | 9-01     | K-70~280      |
| 12           | R $\frac{1}{2}$  | 10        | 19     | 16     | 68     | 27       | 12-01    | K-35~210      |
| 19           | R $\frac{3}{4}$  | 15.5      | 20     | 17     | 79     | 36       | 19-01    | K-35~210      |
| 25           | R1               | 21        | 23     | 20     | 88     | 41       | 25-01    | K-35~210      |
| 32           | R1 $\frac{1}{4}$ | 27        | 26     | 23     | 113    | 50       | 32-01    | K-35~140      |
| 38           | R1 $\frac{1}{2}$ | 33        | 26     | 23     | 117    | 60       | 38-01    | K-35~70       |
| 50           | R2               | 46        | 30     | 26     | 134    | 70       | 50-01    | K-35~70       |

### 02 TYPE

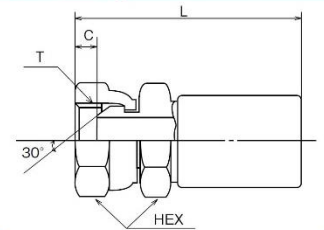
Parallel male screw for pipe (30° flare seat)



| Nominal Size | T Thread         | I.D. (mm) | A (mm) | B (mm) | L (mm) | HEX (mm) | Part No. | Hose Part No. |
|--------------|------------------|-----------|--------|--------|--------|----------|----------|---------------|
| 6            | G $\frac{1}{4}$  | 4         | 14     | 11     | 55     | 19       | 6-02     | K-70~210      |
| 9            | G $\frac{3}{8}$  | 7         | 15     | 12     | 62     | 22       | 9-02     | K-70~210      |
| 12           | G $\frac{1}{2}$  | 10        | 19     | 15     | 68     | 27       | 12-02    | K-35~210      |
| 19           | G $\frac{3}{4}$  | 15.5      | 20     | 16     | 79     | 36       | 19-02    | K-35~210      |
| 25           | G1               | 21        | 23     | 18     | 88     | 41       | 25-02    | K-35~210      |
| 32           | G1 $\frac{1}{4}$ | 27        | 26     | 21     | 113    | 50       | 32-02    | K-35~140      |
| 38           | G1 $\frac{1}{2}$ | 33        | 26     | 21     | 117    | 60       | 38-02    | K-35~70       |
| 50           | G2               | 46        | 30     | 25     | 134    | 70       | 50-02    | K-35~70       |

### 04 TYPE

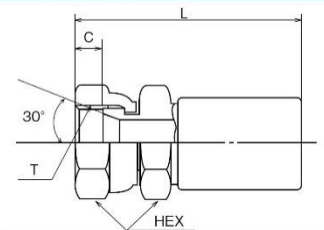
Parallel female screw for pipe (30° taper seat)



| Nominal Size | T Thread         | I.D. (mm) | C (mm) | L (mm) | HEX (mm) | Part No. | Hose Part No. |
|--------------|------------------|-----------|--------|--------|----------|----------|---------------|
| 6            | G $\frac{1}{4}$  | 4         | 5.5    | 60     | 19       | 6-04     | K-70~210      |
| 9            | G $\frac{3}{8}$  | 7         | 6.5    | 65     | 22       | 9-04     | K-70~210      |
| 12           | G $\frac{1}{2}$  | 10        | 6      | 70     | 27       | 12-04    | K-35~210      |
| 19           | G $\frac{3}{4}$  | 15.5      | 8      | 83     | 36       | 19-04    | K-35~210      |
| 25           | G1               | 21        | 9      | 92     | 41       | 25-04    | K-35~210      |
| 32           | G1 $\frac{1}{4}$ | 27        | 13     | 119    | 50       | 32-04    | K-35~140      |
| 38           | G1 $\frac{1}{2}$ | 33        | 13     | 124    | 60       | 38-04    | K-35~70       |
| 50           | G2               | 46        | 16     | 141    | 70       | 50-04    | K-35~70       |

### 05 TYPE

Parallel female screw for pipe (30° flare seat)



| Nominal Size | T Thread         | I.D. (mm) | C (mm) | L (mm) | HEX (mm) | Part No. | Hose Part No. |
|--------------|------------------|-----------|--------|--------|----------|----------|---------------|
| 6            | G $\frac{1}{4}$  | 4         | 8.5    | 60     | 19       | 6-05     | K-70~210      |
| 9            | G $\frac{3}{8}$  | 7         | 10.5   | 65     | 22       | 9-05     | K-70~210      |
| 12           | G $\frac{1}{2}$  | 10        | 11.5   | 70     | 27       | 12-05    | K-35~210      |
| 19           | G $\frac{3}{4}$  | 15.5      | 14     | 83     | 36       | 19-05    | K-35~210      |
| 25           | G1               | 21        | 14     | 92     | 41       | 25-05    | K-35~210      |
| 32           | G1 $\frac{1}{4}$ | 27        | 16     | 119    | 50       | 32-05    | K-35~140      |
| 38           | G1 $\frac{1}{2}$ | 33        | 16     | 124    | 60       | 38-05    | K-35~70       |
| 50           | G2               | 46        | 19     | 141    | 70       | 50-05    | K-35~70       |