



DRIVEN BY POSSIBILITY™

GATES® PRO™ SERIES HYDRAULIC HOSE:

# PRO V™ HYDRAULIC HOSE

HYDRAULIC SOLUTIONS FOR THE FACTORY AND FIELD.

## STRONG, RELIABLE AND FLEXIBLE. ENGINEERED TO DELIVER DEPENDABLE, APPLICATION- SPECIFIC PERFORMANCE.

Gates® PRO™ Series ProV™ variable pressure hydraulic hoses offer performance specifically tailored to hydraulic applications across multiple end markets.

All sizes exceed performance of EN 857 2SC industry specifications.

We believe operating challenges are made to be overcome. That's why thousands of industrial facilities, global operations and OE manufacturers around the world choose Gates hose and hydraulic systems to power their demanding fluid power applications.

## FEATURES + BENEFITS:

- Ideal for non-severe, medium-pressure hydraulic applications with low flexure requirements
- Application-specific design offers reliable performance that gets the job done
- Fully compliant with EN 857 2SC; also meets performance of SAE 100R16
- Manufactured to Gates high-quality professional standards



DRIVEN BY POSSIBILITY™

GATES® PRO™ SERIES PRO V™ HYDRAULIC HOSE:

# PROFESSIONAL-GRADE HYDRAULIC HOSE SOLUTIONS

Gates® PRO™ Series ProV™ variable-pressure hydraulic hoses are qualified for use with Excellium couplings to ensure end-to-end performance — providing a broad range of engineered solutions for targeted hydraulic applications.

Over the last 50 years, Gates has driven standard adoption in the industry. We have used our extensive knowledge of standards, industries and applications, as well as our expertise in materials science to create a competitive edge for our customers by developing application-specific solutions that offer reliable performance.



## GATES IS YOUR SOURCE FOR HYDRAULIC HOSE AND COUPLINGS.

Ask your sales representative for more information.

# THE RIGHT PRODUCTS FOR YOUR APPLICATION

## PRODUCT SPECIFICATIONS:

- **STANDARD:** Meets criteria of EN 857 2SC, SAE 100 R16 and ISO 11237 2SC R16
- **TUBE:** Black, oil resistant, synthetic rubber tube
- **REINFORCEMENT:** Braided high-tensile steel
- **COVER:** Black, abrasion resistant, synthetic rubber
- **CERTIFIED:** MSHA Flame Resistant
- **TEMPERATURE RANGE:** -40 °C to +100 °C (-40 °F to +212 °F)

## INDUSTRIES + APPLICATIONS:

- Construction
- Mining
- Stationary
- Agriculture

| REF.   | DN | "    | mm   | "      | PSI   | MPa  | PSI    | MPa   | mm  | kg/100m | STEM + FERRULE |
|--------|----|------|------|--------|-------|------|--------|-------|-----|---------|----------------|
| 4PROV  | 6  | 1/4  | 13.1 | 0.52   | 5,800 | 40,0 | 23,200 | 160,0 | 50  | 25      | EX + 4EX1F-1   |
| 5PROV  | 8  | 5/16 | 14.7 | 0.58   | 5,000 | 35,0 | 20,000 | 140,0 | 55  | 30      | EX + 5EX1F-1   |
| 6PROV  | 10 | 3/8  | 16.6 | 0.65   | 4,800 | 33,0 | 19,200 | 132,0 | 65  | 33      | EX + 6EXVF-1   |
| 8PROV  | 12 | 1/2  | 20.3 | 0.80   | 4,000 | 27,5 | 16,000 | 110,0 | 90  | 46      | EX + 8EXVF-1   |
| 10PROV | 16 | 5/8  | 23.6 | 0.93   | 3,625 | 25,0 | 14,500 | 100,0 | 100 | 54      | EX + 10EXVF-1  |
| 12PROV | 19 | 3/4  | 27.4 | 1.08   | 3,100 | 21,5 | 12,400 | 86,0  | 120 | 67      | EX + 12EX1F-1  |
| 16PROV | 25 | 1    | 35.4 | 1.39.4 | 2,400 | 16,5 | 9,600  | 66,0  | 150 | 102     | EX + 16EXVF-1  |

PROV

EN857 2SC



| -size | DN | "    | "    | mm   | PSI  | MPa  | PSI   | MPa   | mm  | m    | kg/100m | REF.   |
|-------|----|------|------|------|------|------|-------|-------|-----|------|---------|--------|
| -4    | 6  | 1/4  | 0,52 | 13,1 | 5800 | 40,0 | 23200 | 160,0 | 50  | 1500 | 25      | 4PROV  |
| -5    | 8  | 5/16 | 0,58 | 14,7 | 5000 | 35,0 | 20000 | 140,0 | 55  | 1250 | 30      | 5PROV  |
| -6    | 10 | 3/8  | 0,65 | 16,6 | 4800 | 33,0 | 19200 | 132,0 | 65  | 1250 | 33      | 6PROV  |
| -8    | 12 | 1/2  | 0,80 | 20,3 | 4000 | 27,5 | 16000 | 110,0 | 90  | 800  | 46      | 8PROV  |
| -10   | 16 | 5/8  | 0,93 | 23,6 | 3625 | 25,0 | 14500 | 100,0 | 100 | 500  | 54      | 10PROV |
| -12   | 19 | 3/4  | 1,08 | 27,4 | 3100 | 21,5 | 12400 | 86,0  | 120 | 375  | 67      | 12PROV |
| -16   | 25 | 1    | 1,39 | 35,4 | 2400 | 16,5 | 9600  | 66,0  | 150 | 250  | 102     | 16PROV |

RECOMMENDED FOR

High pressure hydraulic application. Easy to route and install in tight areas.

TUBE

NBR (Nitrile) based.

REINFORCEMENT

Braided high-tensile steel wire.

COVER

NBR/PVC based. MSHA approved.

TEMPERATURE RANGE

-40°C to +100°C  
For water emulsions, etc. see Temperature Limits Table.

STANDARDS

EN 857 2SC. SAE 100 R16. ISO 11237 2SC R16.

COUPLINGS

EX

IMPORTANT



EX COUPLINGS:

PROV uses new EXVF-1 ferrule on some sizes. This is an important change that you and your customer will need to consider for ordering and inventory.

| SIZE | EX FERRULE |
|------|------------|
| -04  | 4EX1F-1    |
| -05  | 5EX1F-1    |
| -06  | 6EXVF-1    |
| -08  | 8EXVF-1    |
| -10  | 10EXVF-1   |
| -12  | 12EX1F-1   |
| -16  | 16EXVF-1   |