



Growing to Meet Our Customers' Demands

Gates Fluid Power Global Product Definition: Gates products will look the same, perform the same, and are the same regardless of where in the Gates world they are manufactured.

Gates has been answering the needs of the world's most demanding industrial applications for decades. Our 100-yearold reputation for reliability is both well earned and unsurpassed – and growing.

To meet the increasing worldwide demand for our products, Gates continues to add world-class manufacturing capacity. In addition to our manufacturing facilities in the United States, we now have factories in India, Brazil, Mexico, China and Europe, all of them adhering strictly to the Gates guidelines for quality assurance.

Gates Consistent Manufacturing Quality Crosses Borders

Gates built its reputation for quality products by perfecting its manufacturing processes. These same closely monitored processes are in place in all our factories aroun the world. Made from the exact same materials, subjected to the same stringent testing and validation procedures, a Gates hose – regardless of origin – always meets or exceeds the strictest industry requirements.





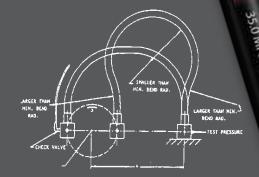
Putting our hoses and assemblies to the test

Why do Gates hydraulic and industrial hose products perform so well?

We test them severely.

Consider the rigors of our flex-impulse test. We first twist the assembly 14°, pressurize it up to 133 percent of working pressure and then cycle impulses through it at one cycle per second until failure.

SAE	Hose	Test Pressure (psi)	Test Temperature	Twist Angle	Articulating Radius
Spec	Size		(°F)	(degrees)	(inches)
100R12	-12	4650	212	14	4.8
100R16	-12	6000	212	14	4.8v





Hose Assemblies: The Best and the Rest

The performance and reliability of a hose assembly depends on more than the sum of its parts. For example, using an assembly made with a hose from Manufacturer "A" and a coupling from Manufacturer "B" is a problem in the making. Here's why:

The Hose and the Coupling: Made for Each Other

In making a superior hose assembly, there's more to it than merely crimping a coupling on the hose.

Consider the variables involved, including the coupling stem and ferrule design, hose reinforcement, hose tube material, and the outside diameters of both the hose and the crimped coupling. And that's just for starters.



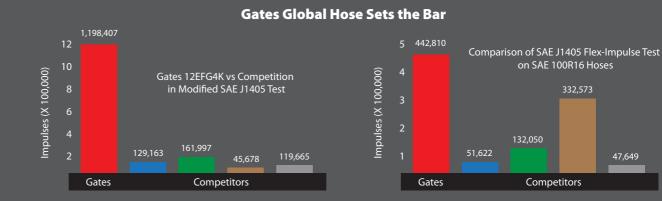
How reliable the resulting assembly will be depends not only on how well the components are made, but on how well they are made for each other. At Gates, we manufacture both the hose and the coupling, designing one to complement the other.

Once we've made and tested the components, we then test the resulting hose assemblies, continually validating their performance to ensure that the hose and couplings perform up to and well beyond the requirements of industry standards.

Manufacturing Quality Consistently

Becoming the world's leader in hydraulic and industrial hose products did not come overnight. Over 100 years of research and testing – and re-testing – contributed to the worldwide reputation we now enjoy. This Gates expertise is found in all our manufacturing plants around the world. No matter where the hose is made, the name of Gates on the layline stands for quality.

Then we did the same test with assemblies made by four major competitors. These charts shows the results.



HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA Y∆РАY**ЛІКН HYDRAULIIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА HYDRO** DROULIKA 液压 HYDRAULIKA HIODRÁLAIC רווען באול האל אויסובו אויסיאלון איז אויסובוער איז וואַ באן איז איז וואַ באן איז איז וואַראַ ווער איז iDRAWLIKA STRAUMFRÆðI HYDRAULIQUE THÚY LØI HOC 液压 HIDROLIKA 液压 HIDROLIKA IDRAULICA ХИДРАВЛИКА HI**DRAULĪCĀ HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA** ДРАВЛИКА HIDRAULICĂ 수력학 HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YДРАУЛІКН HYDRAULIIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC A HIDRAULICA YAPAYNIKH HYDRAULIIKKA HIDROULIKA 汐友 上。 НУФРАЙЦІКА НІОВРАЙЬАІС ГИДРАВЛИКА HYDROLEG HYDRAULICS قال حتمل الربي أو من المراج IDRAWLIKA STRAUMFRÆ IC ГИДРАВЛИКА HYDROLEG HYDRAULICS قلبر アニムしょ الحرام IDRAWLIKA STRAUMFRÆðI HYDRAULIQUE THÚY LØI HOC 液压 HIDROĽÍKA IDRAŬĹÍCA ХИДРАВЛИКА HIDRAULIC РАВЛИКА HIDRAULICĂ HIDROLIK HY**draulik haydrolika hydraulikk гідравліка Hidráulica Yapayaikh hydrauliikka Hi** UE THÚY LƠI HOC 液压 HIDROLIKA IDRAŪLICA XMAI PROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YAPAYAIKH HYDRAULIIKKA HIDROULIKA 液压 HYDRAULIKA HIDDRÁLAIC ГИДРАВЛИКА HYDROLEG HYDRAU JLIIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА HYDROLEG HYDRAULICS IDRAWLIKA STRAUMFRÆðI HYDRAULIQUE THÚY LØI HOC 液压 HIDROLIKA IDRAULIC/ اقاد مت IDRAWLIKA STRAUMFRÆðI HYDRAULIQUE THÚY LÓI HOC 液压 HIDROLIKA IDRAULICA ХИДРАВЛИКА HIDRAULICĂ 수력학 HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK I HIDRAULICĂ HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YΔΡΑΥΛΙΚΗ HYDRAULIIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИК/ IKH HYDRAULIIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА HYDROLEG HYDRAULICS IDRAWLIKA STRAUMFRÆðI HYDRAULIQUE THÚY LØI HOC 液压 HIDROLIKA ID IMFRÆðI HYDRAULIQUE THÚY LØI HỌC 汝之玉 HIDROL**ika idr**aulica хидравли**ka Hidraulică Hidrolik Hydraulik Haydrolika Hy**D HIDRAÙLICĂ HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ПДРАВЛІКА HIDRÁULICA YΔΡΑΥΛΙΚΉ HYDRAULIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА НУД LEG HYDRAULICS IDRAWLIKA STRA**UMFRÆði HYDRAULIQUE THÚY LØI HOC** 液压H**IDROLIKA IDRAULICA ХИДРАВЛИКА HI**I 液压 HIDROLIKA IDRAULICA ХИДРАВЛИКА HIDRAULICĂ 수력학 HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA ҮДРАҮЛІКН HYDRAULIIKKA HIDROULIKA .IK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YΔΡΑΥΛΙΚΉ HYDRAULIIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА HYDROLEG HYDRAULICS IDRAWL 液压 HIDROLIKA IDRAULICA ХИДРАВЛИКА HIDRAULICA HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRAULICA YAPAYЛІКН HYDRAULIIKKA HID /DRAÜLIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YДРАҮЛІКН HYDRAULIIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА HYDROLEG HYDRAULIC RÁLAIC ГИДРАВЛИКА HYDROLEG **HYDRAULICS IDRAWLIKA STRAUMFRÆðI HY**DRAULIQUE THÚY L**ÓI** HOC 液压 HIDROLIKA IDRAUL**IC**A XI AWLIKA STRAUMFRÆðI HYDRAULIQUE THÚY LØI HOC 液圧 HIDROLIKA ĪDRAULICA ХИДРАВЛИКА HIDRAULICĂ HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRAULICA YΔΡΑΥ CĂ HIDROLIK HYDRAULIK HAYDROLIKA 수력 학HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YΔΡΑΥΛΙΚΗ HYDRAULIKKA HIDROULIKA 氵液圧 HYDRAULIKA HIODRÁLAIC r∆PAYAIKH HYDRAULIIKKA HIDROULIKA 液压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА HYDROLEG HYDRAULICS قلبر ٣٠٠٥ إلى ميل المراء والمحالة الكالم iDRAWLIKA STRAUMFRÆði HYDRAULIQU KA HYDROLEG HY**DRAULICS قليع المنتجاب المنتاب المنتخاب المنتخاب** LIQUE THỦY LƠI HOC 液压 HIDROLIKA IDRAULICA XƯỢPABЛИKA HIDRAULICĂ 수력학 HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YAPAYNIKH HYDRAULIK DROLIK HYDRAULIK HA**YDROLIKA HYDRAULIKK ГІД**РАВЛІКА HIDRÁULICA YДРАҮЛІКН HYD**RAULIIKKA HIDRO**ULIK**A 液压** HYDRAULIKA HIODRÁLAIC ГИДРА LIIKKA HIDROULIKA 氵液 压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА HYDROLEG HYDRAULICS IDRAWLIKA STRAUMFRÆðI HYDRAULIOUE THÚY LÓI HOC [S كية أوس إلا مل ع IDRAWLIKA STRAUMFRÆðI HYDRAULIQUE THỦY LƠI HOC 液压 HIDROLIKA IDRAULICA ХИДРАВЛИКА HIDRAULICĂ 수력학 HIDROLIK HYDRAULIK HAY 液压 HIDROLIKA IDRAULICA ХИДРАВЛИКА HIDRAULICĂ 수력학 HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YДРАУЛІКН HYDRAULIIKKA HIDROULIKA 液压 I LIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІ**КА HIDRÁULI**CA УДРАУЛІКН HYDRAULIIKKA HIDROULIKA 液 庒 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА خانب جاتب مل المحال والمراكبة المحالة ال RAWLIKA STRAUMFRÆðI HYDRAULIQUE THÚY LÓI HỌC 氵夜压 HIDROLIKÁ IDRAULĪCA XŮДРАВЛИКА HIDRAULICĂ 수력학 HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HII A ХИДРАВЛИКА HIDRAULICĂ HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRÁULICA YДРАҮЛІКН HYDRAULIIKKA HIDROULIKA 液 庒 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИК YAPAYAIKH HYDRAULIIKK**A HIDROUL**IKA 氵夜 压 HYDRAULIKA HIODRÁLAIC ГИДРАВЛИКА HYD**R**OLEG HYDRAULICS قانور حاصملاً ليئ اوس لما مراح IDRAWLIKA STRAUMFRÆði H

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水力学 HIDROLIKA IDRAULICA ХИДРАВЛИКА HIDRAULICĂ 수력학 HIDROLIK HYDRAULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА HIDRAULICA УДРАУЛІКН DRÁULIK HAYDROLIKA HYDRAULIKK ГІДРАВЛІКА H**IDRÁULICA** YAPAYAIKH HYDRAULIIKKA HIDROULIKA **液压 Hydrau**lika hiddrálaic гид**равлика hydroleg hydraulics**



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