



# Kuriyama Oil & Gas Products

## Flexor Rig™ Slim Hole Rotary Drilling Hose



Flexor Rig™  
Spiral Construction



### General Applications:

Rotary hose, specially designed for use in portable, work-over and seismograph drilling rigs.

### Construction:

**Tube** — Oil resistant synthetic rubber.

**Reinforcement** — Four or six spiral wires for sizes -16 through -48.

**Cover** — Minetuff abrasion, ozone, hydrocarbon and flame resistant synthetic pin pricked rubber.

### Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C) constant operation.

**Ambient temperature:** -40°F (-40°C) to +200°F (+100°C).

**Note:** Operating temperatures in excess of +250°F (+121°C) may materially reduce the life of the hose.

### Safety Factor:

4:1 for ID sizes 1" to 2".

3:1 for ID sizes 2 1/2" to 3".

### Branding:

ALFAGOMMA FLEXOR RIG ID – SLIM HOLE ROTARY –...WP ...MPa (...PSI) – DN – IN...MSHA IC-152/9 - Q/YR

### Lengths:

For -16 Random, Consult Kuriyama

For -20 through -48: 100' and 200' lengths

## Nominal Specifications

Series Number	Size Code	Construction	Nominal ID		Nominal OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs)	Coupling Recommendations	
			(In)	(mm)	(In)	(mm)		(In)	(mm)		AlfaCrimp One-Piece	Two-Piece Couplings
												Interlock
FLEXOR RIG-16	16	4 Spiral	1	25	1.48	37.6	5000	7.1	180	1.13	F	XF2
FLEXOR RIG-20	20	4 Spiral	1 1/4	32	1.80	45.8	5000	11.0	280	1.70	F	XF2
FLEXOR RIG-24	24	6 Spiral	1 1/2	38	2.22	56.5	5000	19.6	500	3.02	F	XF1
FLEXOR RIG-32	32	6 Spiral	2	51	2.76	70.2	5000	21.6	550	4.14	M F	XF1
FLEXOR RIG-40	40	4 Spiral	2 1/2	64	3.20	81.0	3000	28.8	720	4.26		XF1
FLEXOR RIG-48*	48	4 Spiral	3	76	3.64	92.5	3000	33.1	840	3.64		VS4 – External Skive

† Minimum burst pressure 4:1 safety factor for ID sizes 1" to 2" and 3:1 for ID sizes 2 1/2" to 3".

**Freight:** Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

\* For Flexor Rig-48, order part number ABT2K-48. Hose is dual branded, 2000 PSI Hydraulic Service / 3000 PSI Slim Hole Rotary Hose

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Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

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