

EXTREME Hose range innovations

Golden ISO™

The new hose family meeting all international **ISOBARIC** standards:

- ❑ ISO 18752
- ❑ SAE 1754, SAE J517 R17 & R19,
- ❑ exceeds JIS K6349-3

Innovative wire spiral construction for **high compactness, lightness and flexibility**

High **environmental** and **abrasion resistant cover**

Flame resistant and **antistatic cover**

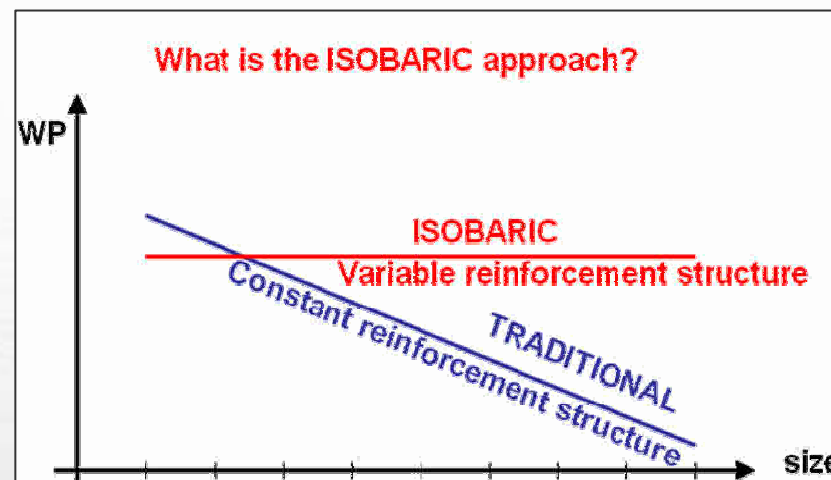
High **durability**



Golden ISO™

Isobaric approach

NEW



- **User friendly** product selection (**isobaric approach**)
- Uniform connection branding on machinery

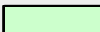


For high demanding OEMs and tough environments

Golden ISO™

The current product range

Hose type (*)		dash - size										
hose line	REMARK ISO18752	-3 DN5	-4 DN6	-5 DN8	-6 DN10	-8 DN12	-10 DN16	-12 DN19	-16 DN25	-20 DN31	-24 DN38	-32 DN51
GoldenISO/21 Antiwear	Type A											
GoldenISO/28 Antiwear	Type A											
GoldenISO/28 Xtraflex	Type C&D											
GoldenISO/45 LongLife	Type D extension											

 released
 short term extension

Product range future extension planned

GoldenISO™/21 XtraFlex
 GoldenISO™/35 XtraFlex
 GoldenISO™/42 XtraFlex
 GoldenISO™/56 LongLife



GoldenISO™

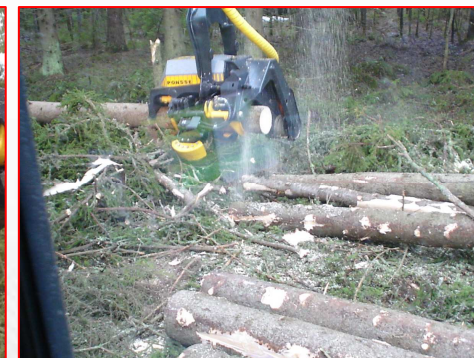
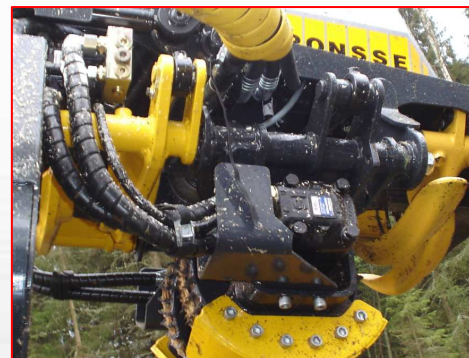
Innovation 2011 !

manuli
HYDRAULICS

NEW



GoldenISO™/28 XtraFlex



For tough applications: forestry machines

- ❑ **Isobaric hose line** (meets ISO 18751 spec., type C & D=1 Mil. impulse cycles)
- ❑ **Compactness, Lightness, high Flexibility, low Bend Radius**
- ❑ **MF2000 Skive and MF3000 No-Skive fittings**
- ❑ **High abrasion and environmental resistance**
- ❑ **Flame retardant and antistatic cover**



Golden ISO™ Innovation 2011 !

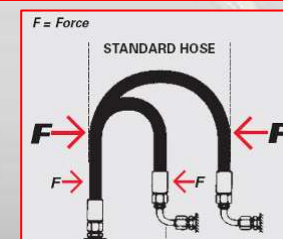
GoldenISO™/28 XtraFlex

- **Isobaric 280 bar** wire spiral hose line, DN 10 to 31
- More compact and flexible hose structures than R12
- New **OPK** (MF3000 one piece no-skive) fittings, using Multifit insert design
- Traditional skive fittings two piece style for high demanding OEMs and aftermarket as well
- “**Rockmaster**” style cover compound, high abrasion resistance, flame retardant and antistatic properties
- Type C (half million impulse cycles, 120°C) and D (**one million impulse cycles, 120°C**) according to ISO 18752 spec., according to fittings selected
- Very **good flexibility** even at **low temperatures**

NEW



For tough applications: snow groomers



GOLDENISO/28 XTRAFLEX



ISO 18752-C/D

PART. REF.	HOSE SIZE																	
				R.O.D.		O.D.		MAX W.		BURST		MIN.BEND		WEIGHT		STD MF2000		STD
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Ferrule	Insert	One Piece
H10095010*	10	- 6	3/8"	16,7	0,66	18,9	0,74	280	4060	1120	16240	65	2,56	520	0,35	M00910-06	MF	OPK-06
H10095012*	12	- 8	1/2"	19,6	0,77	21,8	0,86	280	4060	1120	16240	90	3,54	650	0,44	M00910-08	MF	OPK-08
H10095019*	19	- 12	3/4"	26,9	1,06	29,3	1,15	280	4060	1120	16240	120	4,72	1040	0,70	M00920-12	MF	OPK-12
H10095025*	25	- 16	1"	34,1	1,34	36,5	1,44	280	4060	1120	16240	150	5,91	1530	1,03	M00920-16	MF	OPK-16
H10095031*	31	- 20	1.1/4"	41,7	1,64	44,5	1,75	280	4060	1120	16240	210	8,27	2160	1,45	M00920-20	MF	OPK-20

KEY PERFORMANCE

Excellent flexibility (low bending force), also in low temperature applications - Reduced bend radius - Easy mounting in severe installations - Isobaric pressure rating - BIO biological and mineral oils compatibility - No-skive fitting solution

MAIN APPLICATIONS

High pressure power lines with short assemblies in severe installations

CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °F / 250 °F
-40 °C / 121 °C

RECOMMENDED FLUIDS

Mineral oils, vegetable oils and synthetic ester based oils (up to 100°C/212°F), glycols and polyglycols, mineral oils in aqueous emulsion, water

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

4 high tensile steel spirals

COVER

Synthetic rubber with high abrasion, ozone, weather and heat resistance

APPLICABLE SPECS

ISO 18752-C/D; JIS K6349-3

TYPE APPROVALS

MSHA

STANDARD PACKAGING

Reel



rodaindustria IBÉRICA S.A.