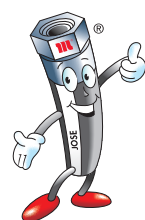




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Golden ISO™

GoldenISO/21 and GoldenISO/28 AntiWear

NEW



MADE IN
manuli

manuli
RUBBER INDUSTRIES



GoldenISO[®] AntiWear

Compact braid reinforced hoses especially dedicated to severe environments and applications with relevant abrasion stress like mining industry, siderurgy or paper manufacturing.

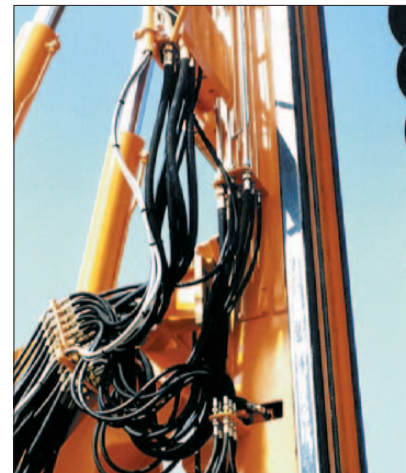
KEY PERFORMANCES

- Extreme abrasion resistance
- Approved at 200.000 impulse cycles, 133% WP at T=100°C (ISO 18752 grade A)
- Very low bend radius to suit restricted space installations
- High robust and compact hose structure compared to rated pressure
- High environmental agents resistance
- Vacuum resistance accordingly to SAE 100R4 requirements

FIELD APPLICATIONS



Excavators

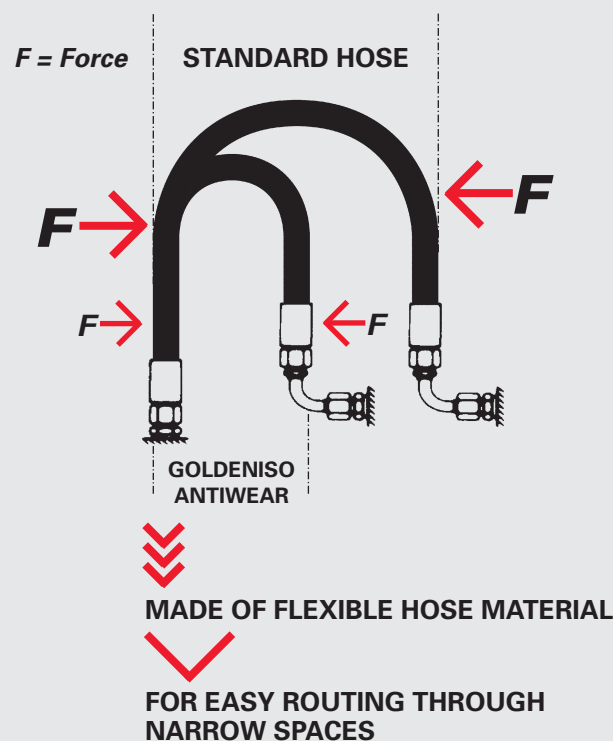


Hydraulic pressure lines, where installation constraints and equipment reliability are critical



Severe applications like siderurgy industry

Excellent flexibility and lower bending force. Highly recommended for applications with space constraints, the GoldenISO AntiWear hoses are faster and easier to install.



GoldenISO/21 AntiWear

STANDARD PART. REF.	SIZE	HOSE STRUCTURE	R.O.D.	O.D.	MAX W.P.	BURST PRESSURE	MIN. BEND RADIUS	WEIGHT	FITTING	
	DN	inch dash wb/ws*	mm inch	mm inch	bar psi	bar psi	mm inch	g/m lb/ft	MF2000	MF3000
H01125006	6	1/4" -4 1 wb	10,2 0,40	12,0 0,47	210 3040	840 12180	50 1,97	175 0,12	MF+M00830-04	OPB
H01125008	8	5/16" -5 1wb	11,5 0,45	13,6 0,54	210 3040	840 12180	55 2,17	205 0,14	MF+M00830-05	OPB
H01125010	10	3/8" -6 1 wb	14,4 0,57	16,2 0,64	210 3040	840 12180	65 2,56	310 0,21	MF+M03400-06	OPB
H01125012	12	1/2" -8 1 wb	17,9 0,70	19,7 0,78	210 3040	840 12180	90 3,54	430 0,29	MF+M03400-08	OPB
H01125016	16	5/8" -10 2 wb	22,2 0,87	24,0 0,94	210 3040	840 12180	100 3,94	600 0,40	MF+M03400-10	OPB
H01125019	19	3/4" -12 2 wb	25,6 1,01	27,7 1,09	210 3040	840 12180	120 4,72	785 0,53	MF+M03400-12	OPB
H01125025	25	1" -16 2 wb	33,0 1,30	35,2 1,39	210 3040	840 12180	150 5,91	1155 0,77	MF+M03400-16	OPB

*wb = wire braid

GoldenISO/28 AntiWear

STANDARD PART. REF.	SIZE	HOSE STRUCTURE	R.O.D.	O.D.	MAX W.P.	BURST PRESSURE	MIN. BEND RADIUS	WEIGHT	FITTING	
	DN	inch dash wb/ws*	mm inch	mm inch	bar psi	bar psi	mm inch	g/m lb/ft	MF2000	MF3000
H01126006	6	1/4" -4 2 wb	11,6 0,46	13,2 0,52	280 4060	1120 16240	50 1,97	255 0,17	MF+M03400-04	OPB
H01126008	8	5/16" -5 2wb	12,9 0,51	14,5 0,57	280 4060	1120 16240	55 2,17	280 0,19	MF+M03400-05	OPB
H01126010	10	3/8" -6 2 wb	15,4 0,61	17,0 0,67	280 4060	1120 16240	63 2,48	380 0,25	MF+M03400-06	OPB
H01126012	12	1/2" -8 2 wb	18,5 0,73	20,3 0,80	280 4060	1120 16240	80 3,15	490 0,33	MF+M03400-08	OPB
H01126016	16	5/8" -10 2 wb	22,7 0,89	24,7 0,97	280 4060	1120 16240	90 3,54	705 0,47	MF+M03400-10	OPNS
H01126019	19	3/4" -12 2 wb	27,1 1,07	29,3 1,15	280 4060	1120 16240	120 4,72	1080 0,72	MF+M03400-12	OPNS

*wb = wire braid

Main Applications

GoldenISO[®]/21 and /28 AntiWear:

Medium and high pressure hydraulic lines with installation constraints, pilot lines, return, drain and suctions lines.

Continuous service temperature range

from -40°C to +100°C

from -40°F to +212°F

Recommended fluids

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

Tube: Synthetic rubber

Reinforcement: Wire braid

Cover: High abrasion resistant synthetic rubber

Applicable Specs.: ISO 18752 grade A

SAE J517 type 100 R17

ISO 11237-R17 (GoldenISO/21)

and SAE J517 type 100R19 (GoldenISO/28)

Type Approvals: MSHA

Standard packaging:

carton reel

Brand type:

yellow mylar

CRIMPING CHART GoldenISO AntiWear product lines ed. April 2009

crimping tolerances: 0/-0,2mm, skive length tolerance: +/-0,5mm

WORKING PRESSURE & size	GoldenISO/21 AntiWear									
21,0MPa	MF3000	crimping diameter (mm)	crimping diameter (inch)	crimp type	external skive length		MF2000	crimping diameter (mm)	external skive length (mm)	internal skive length (mm)
6	OPB	16,7	0,657	Bubble	no-skive		MF+M00830-04	14,8	-	-
8	OPB	17,7	0,697	Bubble	no-skive		MF+M00830-05	15,8	-	-
10	OPB	20,2	0,795	Bubble	no-skive		MF+M03400-06	20,2	-	-
12	OPB	22,8	0,898	Bubble	no-skive		MF+M03400-08	23,1	-	-
16	OPB	27,0	1,063	Bubble	no-skive		MF+M03400-10	27,3	-	-
19	OPB	30,9	1,217	Bubble	no-skive		MF+M03400-12	31,2	-	-
25	OPB	38,5	1,516	Bubble	no-skive		MF+M03400-16	39,4	-	-
WORKING PRESSURE & size	GoldenISO/28 AntiWear									
28,0MPa	MF3000	crimping diameter (mm)	crimping diameter (inch)	crimp type	external skive length		MF2000	crimping diameter (mm)	external skive length (mm)	internal skive length (mm)
6	OPB	17,5	0,689	Bubble	no-skive		MF+M03400-04	18,1	-	-
8	OPB	18,4	0,724	Bubble	no-skive		MF+M03400-05	19,0	-	-
10	OPB	20,8	0,819	Bubble	no-skive		MF+M03400-06	20,7	-	-
12	OPB	23,5	0,925	Bubble	no-skive		MF+M03400-08	23,5	-	-
16	OPNS	30,1	1,185	Full/Flat	no-skive		MF+M03400-10	28,2	-	-
19	OPNS	36,3	1,429	Full/Flat	no-skive		MF+M03400-12	32,4	-	-

Legend of symbols:

MF: MF2000 Multifit insert

IL: MF2000 Interlock insert

XL: Xtralock insert