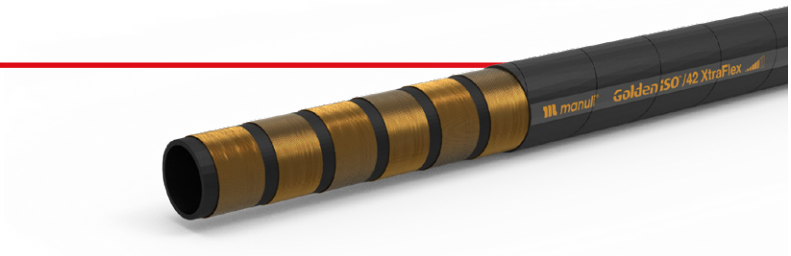
manuli HYDRAULICS

GOLDENISO/42 XTRAFLEX

COMPACTNESS AND FLEXIBILITY



TECHNICAL DATA

PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
H10097006*	6	-4	1/48"	11.3	0.44	13.1	0.52	420	6,090	1,680	24,360	45	1.77	284	0.19	MF+M00120-04	
H10097010*	10	-6	3/8"	17.6	0.69	20.0	0.79	420	6,090	1,680	24,360	100	3.94	688	0.46	MF+M00910-06	
H10097012*	12	-8	1/2"	20.3	0.80	22.7	0.89	420	6,090	1,680	24,360	120	4.72	807	0.54	MF+M00910-08	
H10097016*	16	-10	5/8"	23.9	0.94	26.4	1.04	420	6,090	1,680	24,360	140	5.51	989	0.66	IP+M01500-10	SP+M05400-10
H10097019*	19	-12	3/4"	27.7	1.09	30.2	1.19	420	6,090	1,680	24,360	150	5.91	1,285	0.86	IP+M01500-12	SP+M05400-12
H10097025*	25	-16	1"	34.8	1.37	37.3	1.47	420	6,090	1,680	24,360	210	8.27	2,007	1.35	IP+M01500-16	SP+M05400-16
H10097031*	31	-20	1.1/4"	46.3	1.82	49.5	1.95	420	6,090	1,680	24,360	260	10.24	3,663	2.46	IP+M01600-20	SP+M05500-20
H10097038*	38	-24	1.1/2"	53.2	2.09	56.4	2.22	420	6,090	1,680	24,360	310	12.20	4,450	2.99	IP+M01600-24	SPGX+M05500-24GX
H10097051*	51	-32	2"	68.9	2.71	72.4	2.85	420	6,090	1,680	24,360	500	19.69	7,310	4.91	IS+M02700-32	SPGX+M05500-32GX

KEY FEATURES

- Bend radius which exceeds the standard requirements by - 30% to -50%
- Good flexibility in the whole temperature range
- Easy mounting in any installation
- High impulse resistance according to ISO 18752 requirements
- Weight saving of 20% vs traditional R15 hose construction
- No-skive fitting solution is available
- Isobaric pressure rating for easy selection and product management

APPLICATIONS & FLUIDS

- High pressure power lines for general hydraulics
- Heavy duty power lines
- Applications with installation constraints (short assemblies, compact spaces, low bend radii, etc.)
- Mineral oils, vegetable oils and synthetic ester based oils (up to 100°C/212°F), glycols and polyglycols, mineral oils in aqueous emulsion, water

CONTINUOUS SERVICE TEMPERATURE RANGE

-46 °C, -50 °F

121 °C, 250 °F

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Two high tensile steel wire braids (DN 6). Four high tensile steel spirals (DN 10-25). Six high tensile steel spirals (DN 31-51).

COVER

STRONG - TYPE “SC”
Synthetic rubber with high abrasion, ozone, weather and heat resistance and an extended operational temperature range

APPLICABLE SPECS

ISO 18752-C (Grade C "Plus" approved 1 Mil impulse cycles with Interlock Plus fittings), meets and exceed ISO 3862-R15 performance

TYPE APPROVALS

CU-TR; MSHA; FRAS; B; ABS; BV; LR; RINA; DNV-GL(MED); DNV-GL; MA

REMARKS

- *Size -20 is qualified to reduced bend radius with Interlock Plus fitting solution*
  -20: MBR = 210mm