

GOLDENARMOUR

EMERGENCY HYDRAULIC SYSTEMS & BOP



HOSES 84

TECHNICAL DATA												
									PROOF TEST			
PART REF.	HOSE TYPE	HOSE SIZE			MAX. W.P		BURST		TEST		FITTINGS	ACCESSORIES
		DN	dash	inch	bar	psi	bar	psi	bar	psi		
H01101010*	ROCKMASTER/2PLUS	10	-6	3/8"	345	5,000	1,380	20,000	690	10,000	MF+IM00910-06	JP45G090280099
H01101012*	ROCKMASTER/2PLUS	12	-8	1/2"	345	5,000	1,380	20,000	690	10,000	MF+IM00910-08	JP45G090320099
H10044016*	ROCKMASTER/4SH	16	-10	5/8"	345	5,000	1,380	20,000	690	10,000	IP+IM01500-10	JP45G090400099
H10035019*	ROCKMASTER/13	19	-12	3/4"	345	5,000	1,380	20,000	690	10,000	IP+IM01500-12	JP45G090450099
H10035025*	ROCKMASTER/13	25	-16	1"	345	5,000	1,380	20,000	690	10,000	IP+IM01500-16	JP45G090500099
H10035032*	ROCKMASTER/13	31	-20	1.1/4"	345	5,000	1,380	20,000	690	10,000	IP+IM01600-20	JP45G090650099
H10035040*	ROCKMASTER/13	38	-24	1.1/2"	345	5,000	1,380	20,000	690	10,000	IP+IM01600-24	JP45G090750099
H10035051*	ROCKMASTER/13	51	-32	2"	345	5,000	1,380	20,000	690	10,000	IP+IM01800-32	JP45G090900099

KEY FEATURES

- Highly robust hose structure
- Thermal insulation of the hose with a stainless steel armour cover
- Long lasting resistance of the cover layer
- Flame retardant properties
- High ozone and weather resistance

APPLICATIONS & FLUIDS

- Hydraulics: designed for use in areas where the continuous hydraulic function is required to drive the emergency systems (industrial, marine, off-shore and refineries, defence, mining)
- Flexible hose for hydraulic systems of Blow Out Preventer control lines on drilling rigs
- Mineral oils, glycol and polyglycol based oils, mineral oils in aqueous emulsion

CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F

100 °C, 212 °F (DN 10-12); 121 °C, 250 °F DN 16-51

TUBE

High grade NBR oil resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids (DN 10-12); Multiple plies of high tensile steel spirals (DN 16-51)

COVER

STRONG - TYPE "SD"

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

APPLICABLE SPECS

API 16D Fire Test (pr.10.1.2);
 ISO 18752-A (DN 10-12);
 ISO 18752-C, ISO 3862, SAE J517 Type 100R13 performance (DN 16-51)

TYPE APPROVALS

DNV-GL; LR; API 16D Fire Test (DNV); ABS; CCS; CU-TR

REMARKS

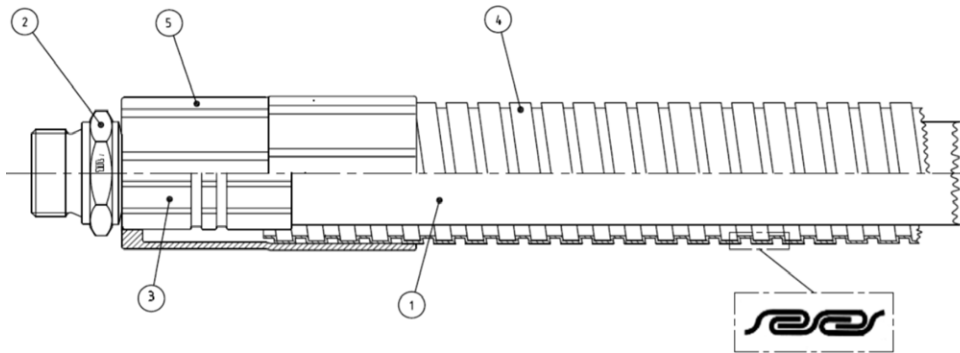


- Refer to Golden Armour assembling instructions and crimp chart for the correct assembly of the hose
- Hose Assembly Branding: The Golden Armour assembly must report at least the following information in the hose brand:
 - - inch size - WP 5,000 psi (on the metal sleeve)
 - assembling date - assembler identification (additional tag or on the metal sleeve)

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GOLDENARMOUR MAKE-UP



1. Hydraulic hose
2. Hydraulic MF2000 insert type, with additional tail o-ring only for IP fitting solution
3. Hydraulic MF2000 ferrule type
4. External flexible Metal Armour (interlocked flexible metal hose)
5. Metal Sleeve

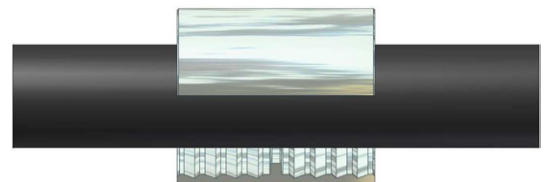
ACCESSORIES TECHNICAL DATA

ARMOUR PART REF.	TO SUIT HOSE SIZE		ARMOUR SIZE				MIN. BEND		WEIGHT		METAL SLEEVE			ARMOUR JOINT			
			d		D						PART REF.	D	L	PART REF.	D	L	
			mm	inch	mm	inch											mm
JP45G090280099	10	-6	3/8"	25	1"	32.0	1.26	127	5.00	565	0.38	IO2110-06GA	40.5	60	IO84210-06	40.5	65
JP45G090320099	12	-8	1/2"	31	1.1/4"	36.5	1.44	150	5.91	703	0.47	IO2110-08GA	46.8	75	IO84210-08	46.8	65
JP45G090400099	16	-10	5/8"	38	1.1/2"	44.5	1.75	180	7.09	939	0.63	IO2110-10GA	53.2	90	IO84210-10	53.2	65
JP45G090450099	19	-12	3/4"	46	1.3/4"	51.0	2.01	240	9.45	1,118	0.75	IO2110-12GA	59.5	105	IO84210-12	59.5	70
JP45G090500099	25	-16	1"	51	2"	57.5	2.26	300	11.81	1,301	0.87	IO2110-16GA	66.0	120	IO84210-16	66.0	75
JP45G090650099	31	-20	1.1/4"	63	2.1/2"	70.0	2.76	420	16.54	1,636	1.10	IO2110-20GA	78.6	135	IO84210-20	78.6	95
JP45G090750099	38	-24	1.1/2"	76	3"	82.5	3.27	500	19.69	1,920	1.29	IO2110-24GA	91.5	150	IO84210-24	91.5	105
JP45G090900099	51	-32	2"	89	3.1/2"	96.0	3.78	630	24.80	2,386	1.60	IO2110-32GA	106.5	165	IO84210-32	106.5	115

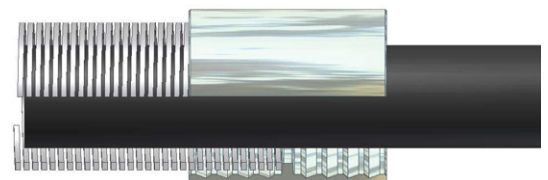
ARMOUR JOINING PROCEDURE

Individual pieces of the Golden Armour metal sleeve can be joined using a dedicated Armour Joint. The procedure for joining the pieces of flexible armour is as follows:

1. Slide the Armour Joint onto the hose.



2. Insert the first piece of flexible armour into the Armour Joint until it reaches the internal stop.



3. Insert the second piece of flexible armour into the other side of the Armour Joint until it also reaches the internal stop.

