



INTERPUMP
FLUID SOLUTIONS 

Powered by I.M.M. Hydraulics

TECHNICAL BULLETIN 12

Hydraulic Hose

We have improved our ONE and TWO SN Series of hose, resulting in a change of specification.

Our new ONE and TWO SN hose exceeds the standard series, and offers a range of benefits such as, improved bend radius, double the impulse performance, with excellent pressure capabilities, as well as being lightweight and flexible.

Key Features

- Designed to be in full compliance with the specification of the international standard: EN 853 1SN-2SN / ISO 1436 1SN-2SN / SAE 100 R1AT-R2AT
- Lightweight meaning less Transport costs and weight reduction on the machinery.
- New structure increases hose flexibility.
- Increased Bend Radius, up to twice the EN requirement and in line with the compact version.
- Twice the Impulse performance: The new lines have been tested to twice the EN requirements.
- Compatible Ferrules: The new hose line is compatible with the same 001C and 0022 ferules.
- The Cover is made with our Super Cover Compound to exceed the EN requirement.
- Sizes available from 1/4" to 2".
- Certified: All certification is available on request.
- Fitting compatibility offering a no skive and skive solution.

***PLEASE NOTE ***
SWAGE/CRIMP DIMENSIONS HAVE CHANGED*

 **INTERPUMP**  **Hypress**  **EXCEEDS EN 853 1SN/SAE 100R1AT - DN 10 I.D. 3/8" - W.P. 180 bar/2610 psi**

TECHNICAL BULLETIN 12 UK

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TECHNICAL BULLETIN 12

Hydraulic Hose

TFD0012, TFD2012

ONE

Hypress One 1SN

Pollici Inch	Dash Dash	Ghiera Ferrule	Ø Pressatura Swaging Ø	Inserto Insert	Pelatura Skive	Est. Ext.	Int. Int.	Lung. Ins. Insert Depth
1/4"	04	001C-04	15,0	Standard	NO SKIVE			
5/16"	05	001C-05	17,2	Standard	NO SKIVE			
3/8"	06	001C-06	20,0	Standard	NO SKIVE			
1/2"	08	001C-08	22,6	Standard	NO SKIVE			
5/8"	10	001C-10	26,5	Standard	NO SKIVE			
3/4"	12	001C-12	30,3	Standard	NO SKIVE			
1"	16	001C-16	38,0	Standard	NO SKIVE			
1.1/4"	20	001C-20	46,2	Standard	NO SKIVE			
1.1/2"	24	001C-24	53,6	Standard	NO SKIVE			
2"	32	001C-32	67,4	Standard	NO SKIVE			

TFD0022, TFD2022

TWO

Hypress Two2SN

Inch	Dash	Ferrule	Swaging Ø	Insert	Skive	Ext.	Int.	Insert Depth
1/4"	04	0022-04	17,1	Standard	NO SKIVE			
5/16"	05	0022-05	18,9	Standard	NO SKIVE			
3/8"	06	0022-06	20,3	Standard	NO SKIVE			
1/2"	08	0022-08	24,5	Standard	NO SKIVE			
5/8"	10	0022-10	28,0	Standard	NO SKIVE			
3/4"	12	0022-12	31,7	Standard	NO SKIVE			
1"	16	0022-16	39,6	Standard	NO SKIVE			
1.1/4"	20	0022-20	48,9	Standard	NO SKIVE			
1.1/2"	24	0022-24	56,3	Standard	NO SKIVE			
2"	32	0022-32	69,5	Standard	NO SKIVE			

Dimensions: mm - Average tolerance +0.00/-0.2

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INTERPUMP Hypress One 1SN

TFD0012



APPLICATIONS :



APPLICABLE SPECS.:

EXCEEDS EN 853 1SN - SAE 100R1AT - ISO 1436 1SN

NO-SKIVE hose. Exceed Burst specification. Impulse tested up to double requirement. Reduced bending radius. Lightness.

Internal hose: Synthetic rubber, extruded whole without joints, of uniform thickness.

Reinforcement: 1 steel wire braid.

Covering: Anti-abrasive synthetic rubber, resistant to oils, fuels and atmospheric conditions.

Recommended fluid: Mineral and biological oils, glycol-water based, water, lubricants.

Operating temperature: from -40 to +100°C (intermittent 120°C), from -40 to +70° C for water based fluids, from 0 to +70°C water.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFD0012-04	1/4"	6.4	12.8	225	3263	900	13052	50	1.970	0.198	
TFD0012-05	5/16"	8.0	14.4	215	3118	860	12472	60	2.360	0.237	0.159	001C-05
TFD0012-06	3/8"	9.5	16.9	180	2610	720	10440	70	2.760	0.301	0.202	001C-06
TFD0012-08	1/2"	12.7	19.9	160	2320	640	9280	90	3.540	0.361	0.242	001C-08
TFD0012-10	5/8"	16.0	23.1	130	1885	520	7540	100	3.940	0.456	0.305	001C-10
TFD0012-12	3/4"	19.0	27.2	105	1523	420	6092	120	4.720	0.574	0.384	001C-12
TFD0012-16	1 "	25.4	35.2	88	1276	352	5104	150	5.910	0.848	0.568	001C-16
TFD0012-20	1.1/4"	31.8	42.6	63	914	250	3625	210	8.270	1.080	0.723	001C-20
TFD0012-24	1.1/2"	38.1	49.6	50	725	200	2900	250	9.840	1.340	0.897	001C-24
TFD0012-32	2"	50.8	63.0	40	580	160	2320	320	12.600	1.840	1.232	001C-32



Available with steel plated braided sleeve version (in case of order use code TFC0012) or stainless steel braided sleeve version (in case of order use code TFI0012)

MARKING: Available also embossed brand version. In case of order use TFD0012N.

INTERPUMP Hypress Two 2SN

APPLICATIONS :



TFD0022



APPLICABLE SPECS.:

EXCEEDS EN 853 2SN - SAE 100R2AT - ISO 1436 2SN

NO-SKIVE hose. Exceed Burst specification. Impulse tested up to double requirement. Reduced bending radius. Lightness.

Internal hose: Synthetic rubber, extruded whole without joints, of uniform thickness.

Reinforcement: 2 high tensile steel wire braids.

Covering: Anti-abrasive synthetic rubber, resistant to oils, fuels and atmospheric conditions.

Recommended fluid: Mineral and biological oils, glycol-water based, water, lubricants.

Operating temperature: from -40 to +100°C (intermittent 120°C), from -40 to +70° C for water based fluids, from 0 to +70°C water.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFD0022-04	1/4"	6.4	14.3	400	5800	1600	23200	50	1.970	0.323	
TFD0022-05	5/16"	8.0	15.9	350	5075	1400	20300	60	2.360	0.380	0.254	0022-05
TFD0022-06	3/8"	9.5	18.5	330	4785	1320	19200	70	2.760	0.474	0.317	0022-06
TFD0022-08	1/2"	12.7	21.5	275	3988	1100	15952	90	3.540	0.561	0.376	0022-08
TFD0022-10	5/8"	16.0	24.7	250	3625	1000	14500	100	3.940	0.623	0.437	0022-10
TFD0022-12	3/4"	19.0	28.8	215	3118	860	12472	120	4.720	0.850	0.569	0022-12
TFD0022-16	1 "	25.4	37.2	165	2393	660	9572	150	5.910	1.279	0.856	0022-16
TFD0022-20	1.1/4"	31.8	46.5	125	1813	500	7250	210	8.270	1.855	1.242	0022-20
TFD0022-24	1.1/2"	38.1	53.1	90	1305	360	5220	250	9.840	2.015	1.349	0022-24
TFD0022-32	2"	50.8	65.8	80	1160	320	4640	320	12.600	2.690	1.800	0022-32



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