

Henan Yibo Technology Co., Ltd. — Datasheet

STEEL WIRE REINFORCED ULTRA HIGH-PRESSURE RESIN HOSE | HIGH WEAR RESISTANT · OIL & FUEL · HIGH PRESSURE

Hose Construction Structure: THE HOSE CONSISTS OF A NYLON INNER TUBE, A REINFORCEMENT LAYER OF TWO, FOUR, SIX, OR EIGHT LAYERS OF STEEL WIRE SPIRAL, AND A SUPER WEAR-RESISTANT POLYURETHANE OUTER COVER.; Application: SUITABLE FOR CONVEYING HYDRAULIC FLUIDS SUCH AS ALCOHOL, HYDRAULIC OIL, LUBRICATING OIL, EMULSIONS, WATER, AND AIR, ETC.; Temperature Range: -30■ TO +80■.

Hose Features 4000 bar / 10000 bar: working and burst pressure published; 24: published sizes quoted by code; OEM: customization and private label; Third-party: inspection on request

(mm)	LAYERS (layer)	SPECIFICATION (inch)	SPECIFICATION ■ID■mm (min)	OUTSIDE DIAMETER ■OD■mm (max)	MAXIMUM WORKING PRESSURE W.P (Mpa)	psi	MINIMUM BURST PRESSURE B.P (Mpa)	psi	M
	2 layers	1/8"	3.5	7.2	104	15,084	260	37,710	
	5/32"	4.1	9.8	120	300	43,511	65	9,427	
	3/16"	5.2	10.8	104	260	37,710	70	10,153	
	1/4"	6.3	11.5	104	260	37,710	85	12,328	
	5/16"	7.9	13.4	104	260	37,710	100	14,504	
	3/8"	9.9	16.4	69	172.5	25,019	140	20,305	
	1/2"	12.8	20.4	69	172.5	25,019	200	29,008	
	4 layers	5/32"	4.1	12	220	31,908	550	79,771	
	3/16"	4.8	12.8	180	450	65,267	95	13,779	
	1/4"	6.3	14.3	164	410	59,466	100	14,504	
	5/16"	7.9	16.6	150	375	54,389	105	15,229	
	3/8"	10.3	18.8	140	350	50,763	110	15,954	
	1/2"	12.8	22.5	140	350	50,763	120	17,405	
	6 layers	5/32"	4.1	11.8	280	40,611	700	101,527	
	3/16"	5.2	14.8	250	625	90,649	200	29,008	
	1/4"	6.3	16	250	625	90,649	210	30,458	
	5/16"	7.9	19	250	625	90,649	220	31,908	
	3/8"	9.9	20.8	207	517.5	75,057	250	36,260	
	1/2"	12.8	27	180	450	65,267	290	42,061	

(mm)	LAYERS (layer)	SPECIFICATION (inch)	SPECIFICATION ■ID■mm (min)	OUTSIDE DIAMETER ■OD■mm (max)	MAXIMUM WORKING PRESSURE W.P (Mpa)	psi	MINIMUM BURST PRESSURE B.P (Mpa)	psi	M
	3/4"	18.8	35	160	400	58,015	350	50,763	
	8 layers	3/16"	5.2	16	400	58,015	1000	145,038	
	1/4"	6.3	18	350	875	126,908	230	33,359	
	5/16"	7.9	21.5	320	800	116,030	280	40,611	
	1/2"	12.8	28.7	300	750	108,779	350	50,763	

Values are reproduced from the official YIBO product page. psi values are converted at 1 MPa = 145.038 psi and rounded. Working pressure and minimum burst pressure are quoted per code; final confirmation is subject to the factory data sheet at order placement. · +86 137 2136 0724 · sales@dohose.com