



PBH ISOELITE / 42

STANDARDS: ISO 3862-1, SAE 100 R15



Application:

Heavy duty high impulsive high pressure hydraulic applications like excavators, dosers, dumpers, cranes, compactors, rock breakers and hydraulic drill rigs and other construction equipments. Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water-glycol based fluids and air.

Special Features:

Qualified for 1.0 million impulse cycles which is double to relevant EN 856 R15 /ISO 3862-1 R15 /SAE 100 R15 standards. Constant pressure rating irrespective of size for easy selection where high pressure coupled with high volumetric discharge is required. Good flexibility for compact hydraulic circuits. Good weather and ozone resistance. MSHA approved and flame resistant cover.

Product Code	Dash	DN	Hose ID (inch)	Hose ID (mm)	Braid OD (mm)	Hose OD (mm)	Maximum Working Pressure			Minimum Burst Pressure			Minimum Bend Radius (mm)	Weight/Meter (Kg/mtr)	Recommended Ferrule
							MPa	bar	psi	MPa	bar	psi			
IM41042	-6	10	3/8	9.5	17.5	21.4	42.0	420	6000	168.0	1680	24000	180	0.75	* *
IM41242	-8	12	1/2	12.7	21.6	24.6	42.0	420	6000	168.0	1680	24000	230	1.03	PF 12 12
*IM41642	-10	16	5/8	15.9	25.6	28.6	42.0	420	6000	168.0	1680	24000	250	1.29	PF 12 16
IM41942	-12	19	3/4	19.0	28.2	32.0	42.0	420	6000	168.0	1680	24000	270	1.56	MPF 3 19
IM42542	-16	25	1	25.4	35.5	39.0	42.0	420	6000	168.0	1680	24000	300	2.04	MPF 3 25
IM63142	-20	31	1-1/4	31.8	46.8	50.0	42.0	420	6000	168.0	1680	24000	420	3.63	MPF 4 31
IM63842	-24	38	1-1/2	38.1	55.0	58.0	42.0	420	6000	168.0	1680	24000	500	4.81	MPF 4 38
*IM65142	-32	51	2	50.8	69.0	72.0	42.0	420	6000	168.0	1680	24000	600	6.94	MPF 4 51

* PIX Proprietary

Working Temperature: - 40°C to +121°C (Continuous)

Intermittent Temperature: - 40°C to +125°C (10% of total working hours)

Note: 1MPa = 10 bar = 145 psi

** For Recommended Ferrule code please e-mail us at techsupport@pixtrans.com.