

# PIX- IMPETUS® SPIRAL HOSES

**PIX- IMPETUS® 280** Standards: EN 856 R12, ISO 3862-1 R12, SAE 100 R12

## Special Features:

Qualified for 1.0 million impulse cycles which is more than double to relevant EN 856 R12 /ISO 3862-1 R12 /SAE 100 R12 standards. Exceeds relevant standard pressure rating from 1-1/4" to 2". Good flexibility for compact hydraulic circuits. Good weather and ozone resistance. MSHA approved and flame resistant cover.

**Applications:** Heavy duty 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.

## Range

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)
						MPa	bar	psi	MPa	bar	psi		
IM41028	-6 10	3/8	9.5	17.2	20.3	28.0	280	4000	112.0	1120	16000	130	0.66
IM41228	-8 12	1/2	12.7	20.7	23.8	28.0	280	4000	112.0	1120	16000	180	0.84
IM41628	-10 16	5/8	16.0	24.6	27.4	28.0	280	4000	112.0	1120	16000	200	1.04
IM41928	-12 19	3/4	19.0	27.7	30.7	28.0	280	4000	112.0	1120	16000	240	1.35
IM42528	-16 25	1	25.4	34.9	38.0	28.0	280	4000	112.0	1120	16000	300	1.93
IM43128	-20 31	1-1/4	31.8	43.9	47.0	28.0	280	4000	112.0	1120	16000	420	2.71
IM43828	-24 38	1-1/2	38.1	50.4	53.3	28.0	280	4000	112.0	1120	16000	500	3.22
IM45128	-32 51	2	50.4	63.6	66.7	28.0	280	4000	112.0	1120	16000	600	4.78

Working Temperature: -40°C to +121°C (Continuous). Intermittent Temperature: -40°C to +125°C (10% of total working hours)

**PIX- IMPETUS® 350** Standards: EN 856 R13, ISO 3862-1 R13, SAE 100 R13

## Special Features:

Qualified for 1.0 million impulse cycles which is double to relevant EN 856 R13 /ISO 3862-1 R13 /SAE 100 R13 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.

**Applications:** Heavy duty 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.

## Range

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)
						MPa	bar	psi	MPa	bar	psi		
IM41035	-6 10	3/8	9.5	17.5	20.5	35.0	350	5000	140.0	1400	20000	130	0.71
IM41235	-8 12	1/2	12.7	21.0	24.0	35.0	350	5000	140.0	1400	20000	180	0.88
IM41635	-10 16	5/8	16.0	24.6	27.6	35.0	350	5000	140.0	1400	20000	200	1.20
IM41935	-12 19	3/4	19.0	29.0	32.1	35.0	350	5000	140.0	1400	20000	240	1.51
IM42535	-16 25	1	25.4	35.6	38.7	35.0	350	5000	140.0	1400	20000	300	2.11
IM63135	-20 31	1-1/4	31.8	46.8	49.8	35.0	350	5000	140.0	1400	20000	420	3.58
IM63835	-24 38	1-1/2	38.1	54.3	57.3	35.0	350	5000	140.0	1400	20000	500	4.91
IM65135	-32 51	2	50.4	68.1	71.1	35.0	350	5000	140.0	1400	20000	600	6.89

Working Temperature: -40°C to +121°C (Continuous) Intermittent Temperature: -40°C to +125°C (10% of total working hours) Size: 1-1/4", 1-1/2", 2" in six plies and rest in 4 plies.

**PIX- IMPETUS® 420** Standards: ISO 3862-1 SAE 100 R15

## 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.

**Applications:** 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.

## Range

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)
						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
IM41642	-10 16	5/8	16.0	25.6	28.6	42.0	420	6000	168.0	1680	24000	250	1.29
IM41942	-12 19	3/4	19.0	28.2	32.0	42.0	420	6000	168.0	1680	24000	270	1.56
IM42542	-16 25	1	25.4	35.5	39.0	42.0	420	6000	168.0	1680	24000	300	2.04
IM63142	-20 31	1-1/4	31.8	46.8	50.0	42.0	420	6000	168.0	1680	24000	420	3.63
IM63842	-24 38	1-1/2	38.1	55.0	58.0	42.0	420	6000	168.0	1680	24000	500	4.81
IM65142	-32 51	2	50.4	69.0	72.0	42.0	420	6000	168.0	1680	24000	600	6.94

Working Temperature: -40°C to +121°C (Continuous) Intermittent Temperature: -40°C to +125°C (10% of total working hours) Size: 1-1/4", 1-1/2", 2" in six plies and rest in 4 plies.



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