

Hydraulic Hose

1層編織 高壓油管

EN853-1SN /SAE J517 100R1AT

Application : Hydraulics, crude, fuel, and lubricating oils. Meet EN853-1SN/SAE 517 100R1AT with thin cover.

Construction

Tube: NBR - Oil resistan synthetic rubber
Cover: CR - Oil,abrasion and weather aging resistant synthetic rubber

Reinforcement: Single wire braid

Temp.Range: -40 °C ~ +100°C

Operating temperature in excess of 100°C may materially reduce the service life of hose assembly.

Max. change in length: -4% ~ +2% (Under W.P.)

用途

一般作動油，符合EN853 1SN/ SAE J517 100R1AT

構造

內管層：耐油性佳之合成橡膠配方

外管層：耐油，耐磨，耐候性之橡膠配方

補強層：1層鋼絲編織

適用溫度：-40 °C ~ +100°C

注意!! 使用溫度超過100°C時，會顯著降低夾合膠管使用壽命。

爆破壓力：工作壓力X 4

長度加壓變化：-4% ~ +2% (在工作壓力下)

Hose I.D . Size 膠管內徑			Reinforcement 補強層		Hose O.D. 膠管外徑	Min B.R. 最小彎曲半徑	Approx.Wt. 約當重量	EN853-1SN		SAE100R1AT	
								Max.W.P. 工作壓力	Min.B.P. 爆破壓力	Max.W.P. 工作壓力	Min.B.P. 爆破壓力
dash	inch	(mm)	braid 編織	O.D. 外徑	mm	mm	kg/m	bar (psi)	bar (psi)	Mpa (psi)	Mpa (psi)
-4	1/4	(6.3)	1W	11.1	13.4	100	0.23	225	900	19.2	76.8
								(3,263)	(13,050)	(2,784)	(11,136)
-5	5/16	(7.9)	1W	12.6	15.0	115	0.27	215	850	17.5	70.0
								(3,118)	(12,325)	(2,538)	(10,150)
-6	3/8	(9.5)	1W	15.1	17.4	125	0.34	180	720	15.7	62.8
								(2,610)	(10,440)	(2,277)	(9,106)
-8	1/2	(12.7)	1W	18.2	20.4	180	0.41	160	640	14.0	56.0
								(2,320)	(9,280)	(2,030)	(8,120)
-10	5/8	(15.9)	1W	21.4	23.8	200	0.51	130	520	10.5	42.00
								(1,885)	(7,540)	(1,523)	(6,090)
-12	3/4	(19.1)	1W	25.4	27.8	240	0.63	105	420	8.7	34.8
								(1,523)	(6,090)	(1,262)	(5,046)
-16	1	(25.4)	1W	33.3	35.6	300	0.94	88	350	7.0	28.0
								(1,276)	(5,075)	(1,015)	(4,060)

Hydraulic Hose

2層編織 高壓油管

EN853-2SN /SAE J517 100R2AT

Application : Hydraulics, crude, fuel, and lubricating oils. Meet EN853-2SN/SAE J517 100R2AT with thin cover.

Construction

Tube: NBR - Oil resistan synthetic rubber
Cover: CR - Oil,abrasion and weather aging resistant synthetic rubber

Reinforcement: Double wire braid

Temp.Range: -40 °C ~ +100°C

Operating temperature in excess of 100°C may materially reduce the service life of hose assembly.

Max. change in length: -4% ~+2% (Under W.P.)

用途

一般作動油，符合EN853 2SN/ SAE J517 100R2AT

構造

內管層: 耐油性佳之合成橡膠配方

外管層: 耐油,耐磨,耐候性之橡膠配方

補強層: 2層鋼絲編織

適用溫度: -40 °C ~ +100°C

注意!! 使用溫度超過100°C時, 會顯著降低夾合膠管使用壽命.

爆破壓力: 工作壓力 X 4

長度加壓變化: -4% ~+2% (在工作壓力下)

Hose I.D . Size 膠管內徑			Reinforcement 補強層		Hose O.D. 膠管外徑	Min B.R. 最小彎曲半徑	Approx.Wt. 約當重量	EN853-2SN		SAE100R2AT	
								Max.W.P. 工作壓力	Min.B.P. 爆破壓力	Max.W.P. 工作壓力	Min.B.P. 爆破壓力
dash	inch	(mm)	braid 編織	O.D. 外徑	mm	mm	kg/m	bar (psi)	bar (psi)	Mpa (psi)	Mpa (psi)
-4	1/4	(6.3)	2W	12.7	15.1	100	0.40	400 (5,800)	1,600 (23,200)	35.0 (5,075)	140.0 (20,300)
				14.3	16.7	115	0.45	350 (5,075)	1,400 (20,300)	29.7 (4,307)	118.8 (17,226)
-6	3/8	(9.5)	2W	16.7	19.1	125	0.54	330 (4,785)	1,320 (19,140)	28.0 (4,060)	112.0 (16,240)
				19.8	22.2	180	0.67	275 (3,988)	1,100 (15,950)	24.5 (3,553)	98.00 (14,210)
-10	5/8	(15.9)	2W	23.0	25.4	200	0.78	250 (3,625)	1,000 (14,500)	19.2 (2,784)	76.8 (11,136)
				27.0	29.4	240	0.99	215 (3,118)	850 (12,325)	15.7 (2,277)	62.8 (9,106)
-16	1	(25.4)	2W	34.9	37.9	300	1.47	165 (2,393)	650 (9,425)	14.00 (2,030)	56.0 (8,120)