

IRHOL



钢丝缠绕高压标准胶管

SPIRAL HOSES
ACCORDING TO STANDARD



DIN EN856 4SP

DIN EN856 4SH

SAE 100 R13

SAE 100 R15



DIN EN856 4SP

Hose Construction 四层钢丝缠绕胶管
Inner tube: oil resistant synthetic rubber 内层：耐油合成橡胶
Reinforcement: four high tensile steel wire spiral 四层钢丝缠绕
Cover: oil, abrasion, weather resistant synthetic rubber 外层：耐油、耐磨、耐风雨合成橡胶
Working Temp.: -40℃ up to +121℃ 工作温度：-40℃至+121℃
Applications: Very high pressure applications used for petroleum based hydraulic fluids 应用：用于石油基液压油的超高压液压设备



Inside Diameter 内径		Reinforcement Diameter 钢丝层直径	Outside Diameter 外径	Working Pressure 工作压力		Proof Pressure 测试压力	Burst Pressure 爆裂压力	Min. Bend Radius 最小弯曲半径	Weight 重量
inch	mm	mm	mm	psi	bar	bar	bar	mm	kg/m
3/8	9.3–10.1	17.4–18.2	21.2–22.0	6453	445	1070	1780	180	0.75
1/2	12.3–13.5	20.3–21.1	24.2–25.0	6018	415	1020	1660	230	0.89
5/8	15.5–16.7	23.8–24.6	27.7–28.5	5075	350	840	1400	250	1.10
3/4	18.6–19.8	28.3–29.1	32.2–33.0	5075	350	840	1400	300	1.50
1	25.0–26.4	35.4–36.2	39.2–40.0	4060	280	765	1120	340	2.02
1–1/4	31.4–33.0	45.1–45.9	50.2–51.0	3045	210	500	840	460	3.05
1–1/2	37.7–39.3	51.6–52.4	56.7–57.5	2683	185	445	740	560	3.40
2	50.4–52.0	64.6–65.4	70.7–71.5	2393	165	400	660	660	4.35

DIN EN856 4SH

Hose Construction 四层钢丝缠绕胶管
Inner tube: oil resistant synthetic rubber 内层：耐油合成橡胶
Reinforcement: four high tensile steel wire spiral 四层钢丝缠绕
Cover: oil, abrasion, weather resistant synthetic rubber 外层：耐油、耐磨、耐风雨合成橡胶
Working Temp.: -40℃ up to +121℃ 工作温度：-40℃至+121℃
Applications: Very high pressure applications used for petroleum based hydraulic fluids 应用：用于石油基液压油的超高压液压设备



Inside Diameter 内径		Reinforcement Diameter 钢丝层直径	Outside Diameter 外径	Working Pressure 工作压力		Proof Pressure 测试压力	Burst Pressure 爆裂压力	Min. Bend Radius 最小弯曲半径	Weight 重量
inch	mm	mm	mm	psi	bar	bar	bar	mm	kg/m
3/4	18.6–19.8	28.3–29.1	31.7–32.5	6090	420	1000	1680	280	1.7
1	25.0–26.4	35.4–36.2	39.2–40.0	5510	380	910	1520	340	2.5
1–1/4	31.4–33.0	42.2–43.0	46.3–47.1	4713	325	830	1300	460	3
1–1/2	37.7–39.3	49.0–49.8	54.2–55.0	4205	290	700	1160	560	3.6
2	50.4–52	63.4–64.2	68.5–69.3	3625	250	700	1000	700	5

SAE 100 R13

Hose Construction 四层和六层钢丝缠绕胶管
Inner tube: oil resistant synthetic rubber 内层：耐油合成橡胶
Reinforcement: four or six high tensile steel wire spiral 四层或六层钢丝缠绕
Cover: oil, abrasion, weather resistant synthetic rubber 外层：耐油、耐磨、耐风雨合成橡胶
Working Temp.: -40℃ up to +121℃ 工作温度：-40℃至+121℃
Applications: Very high pressure applications subject to surge or flexing such as construction equipments, mining and the high performance industrial market
应用：易受高压冲击或弯曲的超高压液压设备，如建筑设备、采矿和高性能工业应用场合



Inside Diameter 内径		Reinforc ement Diameter 钢丝层直径	Outside Diameter 外径	Working Pressure 工作压力		Proof Pres sure 测试压力	Burst Pres sure 爆裂压力	Min. Bend Radius 最小弯曲半径	Weight 重量
inch	mm	mm	mm	psi	bar	bar	bar	mm	kg/m
3/4	18.6–19.8	29.2–29.8	32.0–32.8	5075	350	830	1400	240	2.10
1	25.0–26.4	35.5–36.1	38.3–39.1	5075	350	830	1400	300	2.88
1–1/4	31.4–33.0	47.1–47.7	49.9–50.7	5075	350	830	1400	420	4.20
1–1/2	37.7–39.3	54.7–55.3	57.5–58.3	5075	350	830	1400	500	5.00
2	50.4–52.0	67.7–68.3	71.5–72.3	5075	350	830	1400	640	7.00

SAE 100 R15

Hose Construction 四层和六层钢丝缠绕胶管
Inner tube: oil resistant synthetic rubber 内层：耐油合成橡胶
Reinforcement: four or six high tensile steel wire spiral 四层或六层钢丝缠绕
Cover: oil, abrasion, weather resistant synthetic rubber 外层：耐油、耐磨、耐风雨合成橡胶
Working Temp.: -40℃ up to +121℃ 工作温度：-40℃至+121℃
Applications: Very high pressure applications subject to surge or flexing such as construction equipments, mining and the high performance industrial market
应用：易受高压冲击或弯曲的超高压液压设备，如建筑设备、采矿和高性能工业应用场合



Inside Diameter 内径		Reinforcement Diameter 钢丝层直径	Out Diameter 外径	Working Pressure 工作压力		Proof Pressure 测试压力	Burst Pressure 爆裂压力	Min. Bend Radius 最小弯曲半径	Weight 重量
inch	mm	mm	mm	psi	bar	bar	bar	mm	kg/m
3/8	9.3–10.1	20.3	23.3	6090	420	840	1680	150	0.80
1/2	12.3–13.5	24.0	26.8	6090	420	840	1680	200	0.95
3/4	18.6–19.8	32.9	36.1	6090	420	840	1680	265	1.85
1	25.0–26.4	38.9	42.9	6090	420	840	1680	330	2.90
1–1/4	31.4–33.0	48.4	51.5	6090	420	840	1680	445	4.20
1–1/2	37.7–39.3	56.3	59.6	6090	420	840	1680	530	5.60