

SPIR STAR®



Product Overview

Your Specialists in High Pressure HoseSM



ID 3 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
3/2	3.4	0.134	6.9	0.272	1,000	14,504	2,500	36,260	60	2.4	0.072	0.77	2.0	0.079
3/4	3.4	0.134	8.0	0.315	2,070	30,000	5,170	75,000	110	4.3	0.135	1.45	2.0	0.079
3/6	3.0	0.118	9.1	0.358	2,800	40,611	7,000	101,527	150	5.9	0.222	2.39	1.7	0.067

ID 4 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
4/2	4.0	0.157	8.0	0.315	1,200	17,405	3,000	43,511	75	3.0	0.110	1.18	2.5	0.098
4/2K	4.0	0.157	9.8	0.386	1,200	17,405	3,000	43,511	65	2.6	0.185	1.99	2.5	0.098
4/2W	4.0	0.157	9.8	0.386	1,400	20,305	3,500	50,763	65	2.6	0.160	1.72	2.5	0.098
4/4	4.0	0.157	10.3	0.406	2,160	31,328	5,400	78,321	130	5.1	0.234	2.52	1.8	0.071
4/6	4.0	0.157	11.5	0.453	2,800	40,611	7,000	101,527	175	6.9	0.365	3.92	1.7	0.067
4/8	4.0	0.157	12.8	0.504	3,200	46,412	8,000	116,030	175	6.9	0.540	5.81	1.8	0.071

ID 5 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
5/2	5.0	0.197	9.4	0.370	1,040	15,084	2,600	37,710	95	3.7	0.125	1.34	3.0	0.118
5/3	5.0	0.197	10.3	0.406	1,120	16,244	2,800	40,611	95	3.7	0.218	2.34	3.0	0.118
5/4	5.0	0.197	11.2	0.441	1,800	26,107	4,500	65,267	150	5.9	0.260	2.80	2.5	0.098
5/6	5.0	0.197	13.4	0.528	2,620	38,000	6,550	95,000	200	7.9	0.450	4.84	2.5	0.098
5/6H	4.6	0.181	14.4	0.567	2,800	40,611	7,000	101,527	220	8.7	0.563	6.05	2.0	0.079
5mm UHP	4.5	0.177	15.3	0.602	3,200	46,412	8,000	116,030	250	9.8	0.693	7.45	2.0	0.079

ID 6 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
6/2L	6.2	0.244	12.2	0.480	880	12,763	2,200	31,908	80	3.1	0.206	2.21	4.0	0.157
6/2	6.3	0.248	11.5	0.453	1,000	14,504	2,500	36,260	110	4.3	0.175	1.88	4.0	0.157
6/3	6.3	0.248	12.3	0.484	1,040	15,084	2,600	37,710	110	4.3	0.280	3.01	4.0	0.157
6/2KL	6.0	0.236	12.8	0.504	920	13,343	2,300	33,359	70	2.8	0.285	3.06	4.0	0.157
6/2K	6.2	0.244	12.9	0.508	1,120	16,244	2,800	40,611	95	3.7	0.300	3.23	4.0	0.157
6/2WL	5.9	0.232	12.0	0.472	1,200	17,405	3,000	43,511	80	3.1	0.237	2.55	4.0	0.157
6/2W	6.0	0.236	12.0	0.472	1,280	18,565	3,200	46,412	95	3.7	0.230	2.47	4.0	0.157
6/4	6.3	0.248	12.6	0.496	1,500	21,756	3,800	55,114	180	7.1	0.295	3.17	3.5	0.138

ID 8 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
8/2L	8.0	0.315	13.6	0.535	720	10,443	1,800	26,107	100	3.9	0.240	2.58	5.5	0.217
8/2	8.1	0.319	13.3	0.524	840	12,183	2,100	30,458	130	5.1	0.200	2.15	5.5	0.217
8/2K	8.0	0.315	14.5	0.571	880	12,763	2,200	31,908	110	4.3	0.360	3.87	5.5	0.217
8/2WL	8.0	0.315	14.0	0.551	1,000	14,504	2,500	36,260	100	3.9	0.317	3.41	5.5	0.217
8/2W	8.0	0.315	14.3	0.563	1,040	15,084	2,600	37,710	110	4.3	0.314	3.38	5.5	0.217
8/2WR	8.0	0.315	16.0	0.630	1,040	15,084	2,600	37,710	110	4.3	0.364	3.91	4.5	0.177
8/4	8.0	0.315	14.6	0.575	1,500	21,756	3,800	55,114	200	7.9	0.390	4.19	4.5	0.177
8/6	8.0	0.315	16.4	0.646	2,100	30,458	5,250	76,145	250	9.8	0.640	6.88	4.5	0.177
8/6R	8.0	0.315	18.0	0.709	2,100	30,458	5,250	76,145	250	9.8	0.672	7.23	4.5	0.177
8/6H	7.7	0.303	18.8	0.740	2,500	36,260	6,250	90,649	260	10.2	0.925	9.95	4.5	0.177
8/6HR	7.7	0.303	20.2	0.795	2,500	36,260	6,250	90,649	260	10.2	1.000	10.75	4.5	0.177
8/8	7.6	0.299	20.8	0.819	2,800	40,611	7,000	101,527	300	11.8	1.290	13.87	4.5	0.177
8mm UHP	7.6	0.299	22.0	0.866	3,200	46,412	7,400	107,328	300	11.8	1.500	16.13	4.5	0.177

ID 10 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
10/2	10.1	0.398	15.5	0.610	690	10,008	1,725	25,019	160	6.3	0.280	3.01	6.5	0.256
10/2K	10.0	0.394	17.4	0.685	800	11,603	2,000	29,008	125	4.9	0.470	5.05	6.5	0.256
10/2W	10.0	0.394	17.2	0.677	1,000	14,504	2,500	36,260	125	4.9	0.430	4.62	6.5	0.256
10/4	9.9	0.390	18.4	0.724	1,500	21,756	3,800	55,114	200	7.9	0.690	7.42	5.5	0.217
10/6	9.8	0.386	20.4	0.803	1,920	30,000	4,800	75,000	250	9.8	1.000	10.75	5.5	0.217

ID 13 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
13/2	12.9	0.508	19.3	0.760	690	10,000	1,700	25,000	200	7.9	0.435	4.68	8.5	0.335
13/2KR	12.8	0.504	22.3	0.878	800	11,603	2,000	29,008	150	5.9	0.690	7.42	7.5	0.295
13/2WR	12.8	0.504	22.2	0.874	1,040	15,084	2,600	37,710	150	5.9	0.590	6.34	7.5	0.295
13/2W	12.8	0.504	20.8	0.819	1,040	15,084	2,600	37,710	150	5.9	0.590	6.34	8.5	0.335
13/4	12.8	0.504	21.4	0.843	1,280	18,565	3,200	46,412	200	7.9	0.800	8.60	7.5	0.295
13/4H	12.8	0.504	22.0	0.866	1,400	20,305	3,500	50,763	200	7.9	0.880	9.46	7.5	0.295
13/6	12.8	0.504	23.4	0.921	1,800	26,107	4,500	65,267	300	11.8	1.160	12.47	7.5	0.295
13/6H	12.7	0.500	24.6	0.969	1,920	27,847	4,800	69,618	300	11.8	1.200	12.90	7.5	0.295
13/6HR	12.7	0.500	26.0	1.024	1,920	27,847	4,800	69,618	320	12.6	1.400	15.05	7.5	0.295
13/8HR	12.6	0.496	28.2	1.110	2,120	30,748	5,300	76,870	350	13.8	2.070	22.26	7.5	0.295

ID 16 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
16/4	16.0	0.630	25.5	1.004	1,040	15,084	2,600	37,710	250	9.8	1.002	10.77	10.5	0.413
16/6	15.9	0.626	27.7	1.091	1,520	22,046	3,800	55,114	320	12.6	1.480	15.91	10.5	0.413

ID 20 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
20/2	19.0	0.748	26.2	1.031	520	7,542	1,300	18,855	240	9.4	0.750	8.06	14.0	0.551
20/2K	18.8	0.740	28.2	1.110	560	8,122	1,400	20,305	220	8.7	1.050	11.29	13.0	0.512
20/4	18.8	0.740	28.8	1.134	1,040	15,084	2,600	37,710	250	9.8	1.350	14.51	13.0	0.512
20/6	18.8	0.740	32.8	1.291	1,400	20,305	3,500	50,763	350	13.8	2.170	23.33	13.0	0.512

ID 25 mm

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
25/2	23.6	0.929	31.0	1.220	440	6,382	1,100	15,954	300	11.8	0.850	9.14	17.5	0.689
25/2K	23.6	0.929	32.6	1.283	480	6,962	1,200	17,405	280	11.0	1.200	12.90	16.5	0.650
25/4	24.8	0.976	36.3	1.429	900	13,053	2,250	32,634	300	11.8	1.715	18.44	19.0	0.748

HT Series

For high temperatures of up to 300°F / 150°C

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
5/4HT	5.0	0.197	11.2	0.441	1,200	17,405	4,500	65,267	250	9.8	0.280	3.01	2.5	0.098
6/2WHT	6.3	0.248	12.2	0.480	850	12,328	3,200	46,412	150	5.9	0.266	2.86	4.0	0.157
6/4HT	6.3	0.248	12.6	0.496	1,040	15,084	3,800	55,114	280	11.0	0.320	3.44	3.5	0.138
8/2WHT	8.0	0.315	14.5	0.571	650	9,427	2,600	37,710	250	9.8	0.400	4.30	5.5	0.217
8/4HT	8.0	0.315	14.6	0.575	1,000	14,504	3,800	55,114	300	11.8	0.413	4.44	4.5	0.177
10/4HT	9.9	0.390	18.4	0.724	1,040	15,084	3,800	55,114	300	11.8	0.695	7.47	5.0	0.197
13/4HHT	12.8	0.504	22.0	0.866	1,040	15,084	3,500	50,763	300	11.8	1.000	10.75	7.5	0.295

M Series

PA11 methanol washed inner core

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
6/2WWM	6.2	0.244	12.2	0.480	1,080	15,664	2,700	39,160	95	3.7	0.240	2.58	4.0	0.157
8/2WWM	8.0	0.315	14.3	0.563	1,040	15,084	2,600	37,710	110	4.3	0.314	3.38	5.5	0.217
10/2WWM	10.0	0.394	17.2	0.677	1,000	14,504	2,500	36,260	125	4.9	0.452	4.86	5.0	0.197
13/2WWM	12.7	0.500	20.8	0.819	920	13,343	2,300	33,359	150	5.9	0.630	6.77	8.5	0.335
20/4M	18.8	0.740	29.8	1.173	1,040	15,084	2,600	37,710	250	9.8	1.350	14.51	13.0	0.512
25/2KM	23.6	0.929	32.6	1.283	500	7,252	1,250	18,130	280	11.0	1.200	12.90	16.5	0.650

PPA Series

PVDF inner core and polyamide outer cover

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
6/2WPPA	6.3	0.248	12.2	0.480	1,035	15,011	3,200	46,412	150	5.9	0.266	2.86	4.0	0.157
6/4PPA	6.3	0.248	12.6	0.496	1,040	15,084	3,800	55,114	280	11.0	0.305	3.28	3.5	0.138
8/2PPA	8.1	0.319	13.3	0.524	400	5,802	2,000	29,008	300	11.8	0.230	2.47	5.5	0.217
8/4PPA	8.0	0.315	14.7	0.579	1,040	15,084	3,800	55,114	200	7.9	0.420	4.52	4.5	0.177
10/4PPA	10.0	0.394	18.4	0.724	1,040	15,084	3,800	55,114	300	11.8	0.680	7.31	5.5	0.217
13/4HPPA	12.8	0.504	22.0	0.866	1,040	15,084	3,500	50,763	300	11.8	1.000	10.75	7.5	0.295
20/4PPA	18.8	0.740	28.8	1.134	780	11,313	2,600	37,710	500	19.7	1.350	14.51	13.0	0.512
20/6PPA	18.8	0.740	32.8	1.291	1,040	15,084	3,500	50,763	700	27.6	2.170	23.33	13.0	0.512

F Series

PTFE inner core for temperatures of up to 400°F / 204°C

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
6/2KF	6.2	0.244	11.2	0.441	500	7,252	2,000	29,008	60	2.4	0.262	2.82	-	-
8/2KF	8.0	0.315	13.4	0.528	475	6,889	1,900	27,557	85	3.3	0.345	3.71	-	-
10/2KF	10.0	0.394	15.7	0.618	450	6,527	1,800	26,107	110	4.3	0.442	4.75	-	-
13/2KF	12.2	0.480	18.8	0.740	450	6,527	1,800	26,107	150	5.9	0.600	6.45	-	-
16/2KF	15.1	0.594	21.6	0.850	360	5,221	1,450	21,031	175	6.9	0.700	7.53	-	-
20/2KF	20.2	0.795	27.8	1.094	275	3,989	1,100	15,954	200	7.9	1.055	11.34	-	-
25/2KF	24.2	0.953	31.7	1.248	225	3,263	1,000	14,504	240	9.4	1.205	12.96	-	-

LTKE Series

Aramid fiber support & braided stainless layer

Type	ID		OD		Working Pressure		Burst Pressure		Bend Radius		Weight		Nipple ID	
	(mm)	(in)	(mm)	(in)	(bar)	(psi)	(bar)	(psi)	(mm)	(in)	(kg/m)	(oz/ft)	(mm)	(in)
6/2LTKE	6.3	0.248	13.0	0.512	520	7,542	2,075	30,095	80	3.1	0.202	2.17	-	-
6/4LTKE	6.3	0.248	14.4	0.567	690	10,008	2,600	37,710	100	3.9	0.234	2.52	-	-

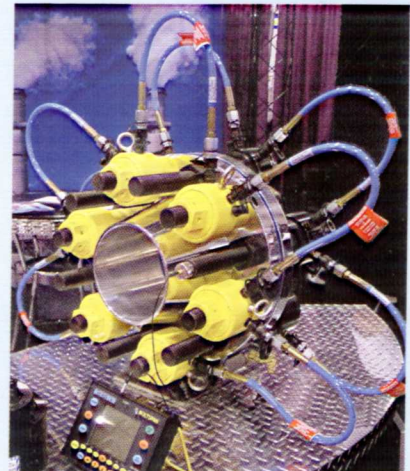
SPIR STAR hoses are made of extremely durable materials and can meet the most demanding industrial requirements.



Offshore Industry



Waterblasting Industry



High Pressure Hydraulics

Inner diameter in mm

Number of spiralized layers

5/4HT

- E stainless steel wire
- F PTFE inner core
- H reinforced version
- HCR increased resistance to external pressure
- HT suitable for extremely high temperatures
- K braided layer
- L extremely flexible
- M PA11 inner core
- PPA PVDF inner core / polyamide outer cover
- R reinforced outer cover
- S seawater resistant stainless steel
- T aramid fiber
- W special spiralized layers as an alternative to braided layers

