



SHAAN XI RICHKIND NEW MATERIAL TECHNOLOGY CO.,LTD
ADD: ROOM 1707-2,BUILDING 10-2,HENGDA PLAZA SANQIAO STREET,
FENGONG NEW CITY,XIXIAN NEW AREA,SHAAN XI PROVINCE,CHINA
Contact:+86-15052843780/86-15929921087
E-MAIL:davis@richkindhose.com
Website:richkindhose.com



陕西瑞驰康德新材料科技有限公司
SHAAN XI RICHKIND NEW MATERIAL TECHNOLOGY CO.,LTD



Example diagram of product application scenarios



Bangkok Flood Prevention



Chile Copper Mining water discharge

Russia Oilgas field (oil transfer)

OUR PRODUCTS

01 TPU LAYFLAT HOSE



02 LDHC(VIC) HOSE COUPLING



03 SIDE-LOCK (Storz) HOSE COUPLING



04 STORZ SELF-LOCK HOSE COUPLING



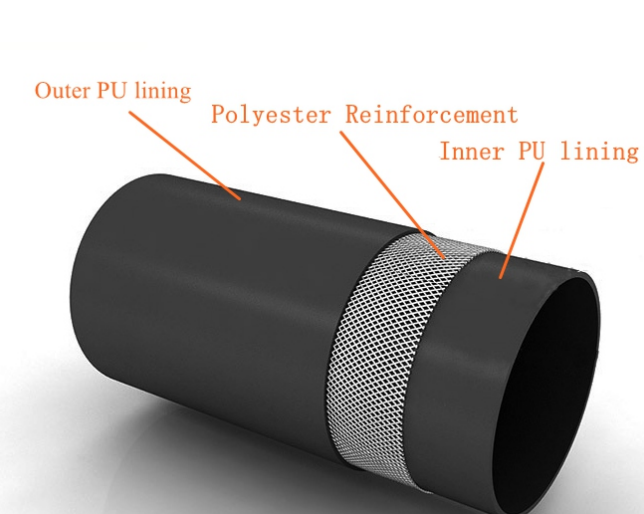
01

TPU LAYFLAT HOSE



► Structures:

The outer jacket and inner are TPU , the middle weaved by the high strength tensile polyester/aramid wrap and weft fiber, both TPU cover are extruded through the weaved polyester.



The figure of TPU lay flat hose

► Features:

Flexible ,durable ,Light weight ,large hydraulic flow, anti-corrosion and oxidation, anti-aging, long using life, high strength tensile and support the higher hydraulic pressure. Easy equipment and withdraw, easily removable.

► Application:

Water supply of oil&gas field , agriculture irrigation, petroleum transfer, firefighting,flood and sewerage drainage, coal mining water disasters rescue,sea water transfer, industrial water discharge.

► Technical data

Size	Dia.(mm)	W.P(Bar)	B.P(Bar)	Wall-thickness (mm)	Unit Weight(Kg/m)	Max Length	Color	Transfer medium											
2"	50~52	10	32	2.4~2.5	0.50	202m	Black Red Blue Military Green	Water, Oil, Irrigation											
		16	49	2.4~2.5	0.55														
		28	85	2.9~3.0	0.60														
2.5"	63~65	16	50	2.5~2.6	0.60				202m	Black Red Blue Military Green	Water, Oil, Irrigation								
		28	84	2.8~3.0	0.70														
		10	31	2.5~2.7	0.70														
3"	76~78	16	50	2.6~2.7	0.80							202m	Black Red Blue Military Green	Water, Oil, Irrigation					
		28	87	3.8~4.0	1.10														
		10	31	2.8~3.0	0.80														
3.5"	88~90	16	49	3.0~3.2	0.94										202m	Black Red Blue Military Green	Water, Oil, Irrigation		
		10	31	3.0~3.2	1.10														
		16	49	3.2~3.4	1.30														
4"	102~104	28	85	4.2~4.4	1.70		202m	Black Red Blue Military Green										Water, Oil, Irrigation	
		42	126	4.5~4.7	1.90														
		11	30~33	4.6~5.0	2.2~2.3														
5"	125~127	10	32	3.0~3.2	1.70					202m	Black Red Blue Military Green								Water, Oil, Irrigation
		14	43	3.1~3.2	1.80														
		16	50	3.3~3.5	1.90														
6"	152~154	28	84	5.0~5.2	3.20	202m							Black Red Blue Military Green	Water, Oil, Irrigation					
		42	126	5.8~6.0	3.50														
		63	126/150	6.2~6.5	5.0														
8"	203~205	10	31	3.2~3.4	2.80				202m							Black Red Blue Military Green	Water, Oil, Irrigation		
		14	43	3.6~3.8	3.00														
		16	50	4.1~4.3	3.30														
10"	254~256	28	85	5.7~5.9	4.60			202m				Black Red Blue Military Green						Water, Oil, Irrigation	
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
12"	305~307	16	50	4.5~4.7	4.20						202m				Black Red Blue Military Green				Water, Oil, Irrigation
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
14"	355~357	14	44	4.4~4.5	3.80		202m						Black Red Blue Military Green	Water, Oil, Irrigation					
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
16"	406~408	10	32	3.5~3.7	3.00					202m						Black Red Blue Military Green	Water, Oil, Irrigation		
		14	44	4.4~4.5	3.80														
		16	50	4.5~4.7	4.20														
18"	457~459	20	60	5.5~5.7	5.20	202m						Black Red Blue Military Green						Water, Oil, Irrigation	
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
20"	508~510	16	50	4.5~4.7	4.20				202m						Black Red Blue Military Green				Water, Oil, Irrigation
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
22"	559~561	14	44	4.4~4.5	3.80			202m					Black Red Blue Military Green	Water, Oil, Irrigation					
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
24"	610~612	20	60	5.5~5.7	5.20						202m					Black Red Blue Military Green	Water, Oil, Irrigation		
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
26"	661~663	16	50	4.5~4.7	4.20		202m					Black Red Blue Military Green						Water, Oil, Irrigation	
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
28"	712~714	14	44	4.4~4.5	3.80					202m					Black Red Blue Military Green				Water, Oil, Irrigation
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
30"	763~765	20	60	5.5~5.7	5.20	202m							Black Red Blue Military Green	Water, Oil, Irrigation					
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
32"	814~816	16	50	4.5~4.7	4.20				202m							Black Red Blue Military Green	Water, Oil, Irrigation		
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
34"	865~867	14	44	4.4~4.5	3.80			202m				Black Red Blue Military Green						Water, Oil, Irrigation	
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
36"	916~918	20	60	5.5~5.7	5.20						202m				Black Red Blue Military Green				Water, Oil, Irrigation
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
38"	967~969	16	50	4.5~4.7	4.20		202m						Black Red Blue Military Green	Water, Oil, Irrigation					
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
40"	1018~1020	14	44	4.4~4.5	3.80					202m						Black Red Blue Military Green	Water, Oil, Irrigation		
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
42"	1069~1071	20	60	5.5~5.7	5.20	202m						Black Red Blue Military Green						Water, Oil, Irrigation	
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
44"	1120~1122	16	50	4.5~4.7	4.20				202m						Black Red Blue Military Green				Water, Oil, Irrigation
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
46"	1171~1173	14	44	4.4~4.5	3.80			202m					Black Red Blue Military Green	Water, Oil, Irrigation					
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
48"	1222~1224	20	60	5.5~5.7	5.20						202m					Black Red Blue Military Green	Water, Oil, Irrigation		
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
50"	1273~1275	16	50	4.5~4.7	4.20		202m					Black Red Blue Military Green						Water, Oil, Irrigation	
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
52"	1324~1326	14	44	4.4~4.5	3.80					202m					Black Red Blue Military Green				Water, Oil, Irrigation
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
54"	1375~1377	20	60	5.5~5.7	5.20	202m							Black Red Blue Military Green	Water, Oil, Irrigation					
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
56"	1426~1428	16	50	4.5~4.7	4.20				202m							Black Red Blue Military Green	Water, Oil, Irrigation		
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
58"	1477~1479	14	44	4.4~4.5	3.80			202m				Black Red Blue Military Green						Water, Oil, Irrigation	
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
60"	1528~1530	20	60	5.5~5.7	5.20						202m				Black Red Blue Military Green				Water, Oil, Irrigation
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
62"	1579~1581	16	50	4.5~4.7	4.20		202m						Black Red Blue Military Green	Water, Oil, Irrigation					
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
64"	1630~1632	14	44	4.4~4.5	3.80					202m						Black Red Blue Military Green	Water, Oil, Irrigation		
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
66"	1681~1683	20	60	5.5~5.7	5.20	202m						Black Red Blue Military Green						Water, Oil, Irrigation	
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
68"	1732~1734	16	50	4.5~4.7	4.20				202m						Black Red Blue Military Green				Water, Oil, Irrigation
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
70"	1783~1785	14	44	4.4~4.5	3.80			202m					Black Red Blue Military Green	Water, Oil, Irrigation					
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
72"	1834~1836	20	60	5.5~5.7	5.20						202m					Black Red Blue Military Green	Water, Oil, Irrigation		
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
74"	1885~1887	16	50	4.5~4.7	4.20		202m					Black Red Blue Military Green						Water, Oil, Irrigation	
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
76"	1936~1938	14	44	4.4~4.5	3.80					202m					Black Red Blue Military Green				Water, Oil, Irrigation
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
78"	1987~1989	20	60	5.5~5.7	5.20	202m							Black Red Blue Military Green	Water, Oil, Irrigation					
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
80"	2038~2040	16	50	4.5~4.7	4.20				202m							Black Red Blue Military Green	Water, Oil, Irrigation		
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
82"	2089~2091	14	44	4.4~4.5	3.80			202m				Black Red Blue Military Green						Water, Oil, Irrigation	
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
84"	2140~2142	20	60	5.5~5.7	5.20						202m				Black Red Blue Military Green				Water, Oil, Irrigation
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
86"	2191~2193	16	50	4.5~4.7	4.20		202m						Black Red Blue Military Green	Water, Oil, Irrigation					
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
88"	2242~2244	14	44	4.4~4.5	3.80					202m						Black Red Blue Military Green	Water, Oil, Irrigation		
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
90"	2293~2295	20	60	5.5~5.7	5.20	202m						Black Red Blue Military Green						Water, Oil, Irrigation	
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
92"	2344~2346	16	50	4.5~4.7	4.20				202m						Black Red Blue Military Green				Water, Oil, Irrigation
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
94"	2395~2397	14	44	4.4~4.5	3.80			202m					Black Red Blue Military Green	Water, Oil, Irrigation					
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
96"	2446~2448	20	60	5.5~5.7	5.20						202m					Black Red Blue Military Green	Water, Oil, Irrigation		
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
98"	2497~2499	16	50	4.5~4.7	4.20		202m					Black Red Blue Military Green						Water, Oil, Irrigation	
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
100"	2548~2550	14	44	4.4~4.5	3.80					202m					Black Red Blue Military Green				Water, Oil, Irrigation
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
102"	2599~2601	20	60	5.5~5.7	5.20	202m							Black Red Blue Military Green	Water, Oil, Irrigation					
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
104"	2650~2652	16	50	4.5~4.7	4.20				202m							Black Red Blue Military Green	Water, Oil, Irrigation		
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
106"	2701~2703	14	44	4.4~4.5	3.80			202m				Black Red Blue Military Green						Water, Oil, Irrigation	
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
108"	2752~2754	20	60	5.5~5.7	5.20						202m				Black Red Blue Military Green				Water, Oil, Irrigation
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
110"	2803~2805	16	50	4.5~4.7	4.20		202m						Black Red Blue Military Green	Water, Oil, Irrigation					
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														
112"	2854~2856	14	44	4.4~4.5	3.80					202m						Black Red Blue Military Green	Water, Oil, Irrigation		
		16	50	4.5~4.7	4.20														
		20	60	5.5~5.7	5.20														
114"	2905~2907	20	60	5.5~5.7	5.20	202m						Black Red Blue Military Green						Water, Oil, Irrigation	
		10	32	3.5~3.7	3.00														
		14	44	4.4~4.5	3.80														
116"	2956~2958	16	50	4.5~4.7	4.20				202m						Black Red Blue Military Green				Water, Oil, Irrigation
		20	60	5.5~5.7	5.20														
		10	32	3.5~3.7	3.00														

► Application:

Connect the TPU layflat hose,PVC /NBR layflat hose or big size fire hose. Water supply of oil&gas field , agriculture irrigation, petroleum transfer, firefighting,flood and sewerage drainage, coal mining water disasters rescue,sea water transfer, industrial water discharge.

★. For the not standard size Hose coupling, we can customize according to the customers' requests.

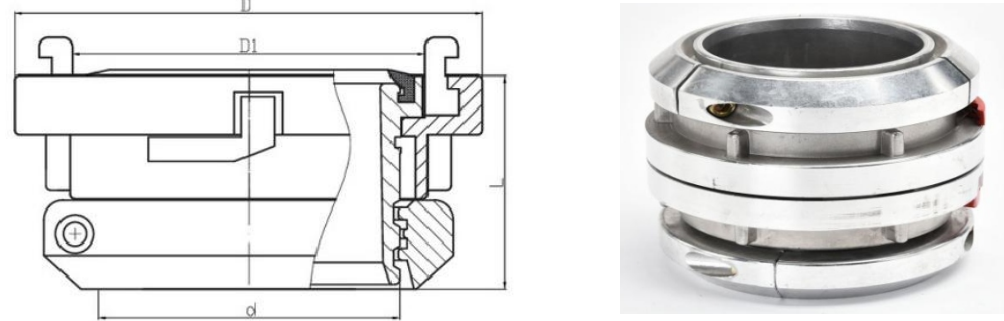
04

STORZ SELF-LOCK HOSE COUPLING



► Structure and Specification List

① Self-Lock Hose coupling



03

SIDE-LOCK (Storz) HOSE COUPLING



► Structure and Specification List

① Side-lock Hose coupling

No.	Size	Dia (mm)	Dimensions (mm)			Surface Treatment
			D1	d	L	
1	8"	203	219	203	185	Painting or Anodizing
2	10"	253	270	253	176	
3	12"	304	320	304	178	
4	14"	350	380	350	180	
5	16"	407	441	407	186	
6	20"	500	525	500	190	

② Side-lock Hose coupling (with Thread end)

No.	Size	D(mm)	Dimensions (mm)			Surface Treatment
			D1	d	L	
1	8"	275	219	customization	customization	Painting or Anodizing
2	10"	315	270	M255x4	100	
3	12"	380	320	M255x4	125	
4	14"	440	380	M300x4	customization	
5	16"	501	441	customization	108	

► Features:

Light weight , anti-corrosion and oxidation, anti-aging, long using life, high strength tensile Easy equipment and withdraw.

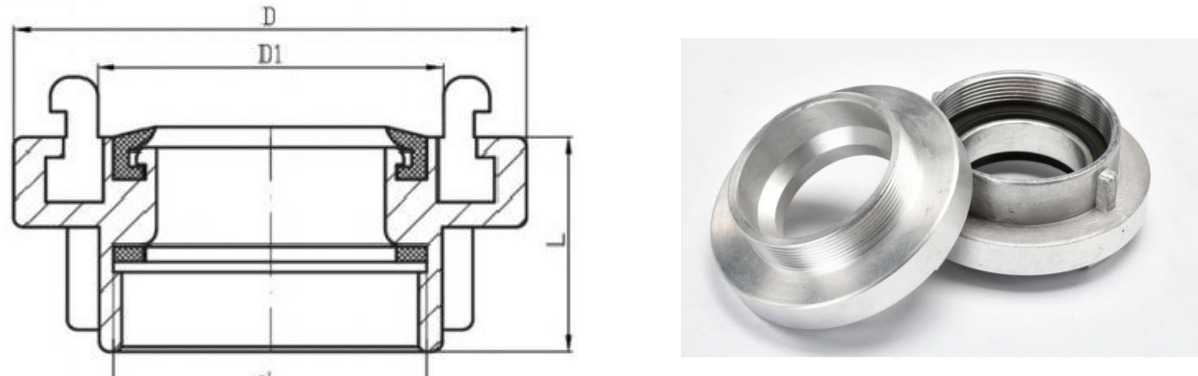
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LDHC(VIC) HOSE COUPLING



No.	Size	Dia.(mm)	Dimensions (mm)				Surface Treatment
			D1	D	d	L	
1	4"	100	115	156	100	85	Painting or Anodizing
2	4"	101.8	115	156	101.8	85	
3	4"	103.5	115	156	103.5	85	
4	5"	126.5	148	196	126.5	90	
5	5"	126	148	196	126	90	
6	5"	127.5	148	196	127.5	90	
7	6"	150	160	215	150	110	
8	8"	203	220	280	203	120	
9	10"	253	278	339	253	132	
10	10"	253	278	339	253	175	
11	12"	293	316	386	293	140	
12	12"	304	316	386	304	200	
13	14"	350	366	450	350	170	

② Storz Self-Lock Inner Thread Hose coupling



No.	Size	Dimensions (mm)				Surface Treatment
		D1(dia.)	D(dia.)	d	L	
1	8"	220	280	M215x3	60	Surface Treatment
2	10"	278	339	M285x4	64	
3	12"	316	386	M310x4	68	
4	14"	366	450	M380x4	78	

► Structure and Specification List

No.	Size	Dia (mm)	Dimensions (mm)			Surface Treatment
			A	d	L	
1	4"	100	189	100	258	Orange Painting or Anodizing
2	6"	152	244	152	335	
3	8"	203	316	203	355	
4	10"	253	393	253	387	
5	12"	304	453	304	387	
6	14"	350	478.4	350	387	
7	16"	407	528.6	407	387	

No.	Size	Dia.(mm)	Dimensions (mm)			Surface Treatment
			A	d	L	
1	4"	100	189	100	258	Orange Painting or Anodizing
2	6"	152	244	152	335	
3	8"	203	316	203	355	
4	10"	253	393	253	387	
5	12"	304	453	304	387	
6	14"	350	478.4	350	387	
7	16"	407	528.6	407	387	

► Features:

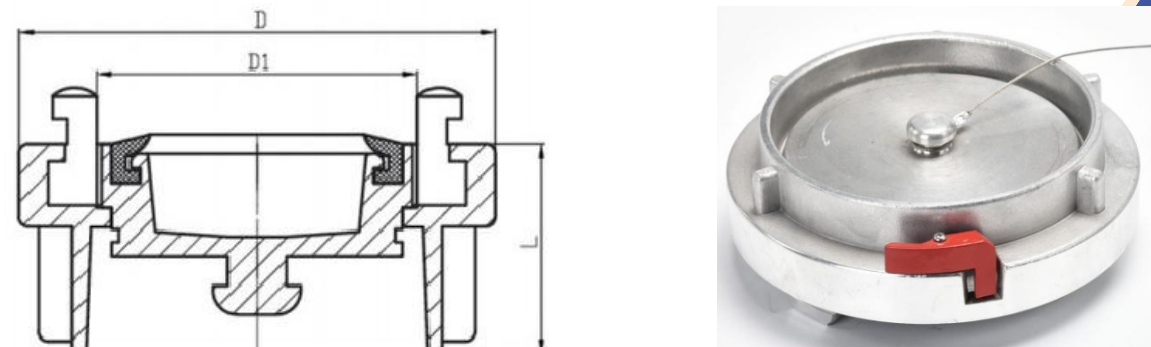
Light weight , anti-corrosion and oxidation, anti-aging, long using life, high strength tensile Easy equipment and withdraw.

► Application:

Connect the TPU layflat hose,PVC /NBR layflat hose or big size fire hose.

★. For the not standard size Hose coupling, we can customize according to the customers' requests.

③ Storz Self-Lock Inner Blank Cap



No.	Size	Dimensions (mm)			Surface Treatment
		D1(dia.)	D(dia.)	L	
1	4"	115	156	47	
2	5"	148	196	52	
3	6"	160	215	57	
4	8"	220	280	60	
5	10"	278	339	64	
6	12"	316	386	68	
7	14"	366	450	78	

► Features:

Light weight , anti-corrosion and oxidation, anti-aging, long using life, high strength tensile Easy equipment and withdraw.

► Application:

Connect the TPU layflat hose,PVC /NBR layflat hose or big size fire hose.

Water supply of oil&gas field , agriculture irrigation, petroleum transfer, firefighting,flood and sewerage drainage, coal mining water disasters rescue,sea water transfer, industrial water discharge.

★. For the not standard size Hose coupling, we can customize according to the elkens' requests.