

**SYNFLEX HYDRAULIC**

**MEDIUM CONSTANT PRESSURE**

**APPLICATIONS:**

- Freezer applications
- Lift truck hydraulic systems
- Agricultural equipment
- Mobile equipment
- General hydraulics
- Construction

**FEATURES:**

- Temperature range: -67°F to 200°F (-54°C to 94°C)
- Lowest temperature hose
- Very flexible in low temperatures
- Abrasion resistant cover
- Extreme flexing

**Spectra 30CT (SAE 100R18)**

3,000 psi (207 bar) working pressures



**CONSTRUCTION:**

- Black polyurethane cover
- Spiraled synthetic fiber reinforcement
- Polyester core tube

**SPECIFICATIONS**

PRODUCT I.D.				HOSE I.D. (IN.)	NOMINAL INSIDE DIAMETER (IN.)	MAXIMUM OUTSIDE DIAMETER (IN.)	MINIMUM BEND RADIUS (IN.)	MAXIMUM OPERATING PRESSURE (PSI)	MINIMUM BURST PRESSURE (PSI)	WT. PER 100 FT. (LBS)
RB&H #	RB&H TWIN LINE #	PERMANENT COUPLING SERIES	SWAGE DIE PART # 4540-							
30CT-04	3770-21633	3903/7903	3V4	5/16	.32	.590	1.75	3,000	12,000	8.0
30CT-05	3770-21643	3903/7903	305	3/8	.38	.650	2.00	3,000	12,000	12.2
30CT-06	3770-21653	3903/7903	306	1/2	.50	.870	3.50	3,000	12,000	15.0
30CT-08	3770-21663	390H/790H	H08	5/8	.63	1.050	4.00	3,000	12,000	21.0

Twin and multi lines available.

**MEDIUM PRESSURE**

**3130 (SAE 100R7)**

1,000 – 3,000 psi (69 – 207 bar) working pressures



**APPLICATIONS:**

- General hydraulics
- High pressure gas transfer
- Chemical transfer

**FEATURES:**

- Temperature range: -40°F to 212°F (-40°C to 100°C) or to 150°F (66°C), with water-based or fire resistant fluids
- Low elongation
- Best value 100R7 hose

**CONSTRUCTION:**

- Black polyurethane cover
- Spiral or braided synthetic fiber reinforcement
- Nylon-lined core tube

**SPECIFICATIONS**

PRODUCT I.D.			NOMINAL I.D.		MAXIMUM O.D.		MINIMUM BEND RADIUS		MAXIMUM WORKING PRESSURE		MAXIMUM BURST PRESSURE		WEIGHT		
RB&H #	PERMANENT COUPLING SERIES STEEL	SWAGE DIE PART # 4540-	(IN.)	(MM)	(IN.)	(MM)	(IN.)	(MM)	(PSI)	(BAR)	(PSI)	(BAR)	LBS./100 (FT)	KG/100 (M.)	G/100
3130-02**	3903/7903	302	1/8	3.2	0.339	8.6	1/2	13	2,500	172	10,000	689	2.5	3.7	250
3130-03	3903/7903	303	3/16	4.8	0.429	10.9	3/4	19	3,000	207	12,000	827	4.6	6.8	250
3130-04	3903/7903	304	1/4	6.4	0.512	13.0	1 1/4	32	3,000	207	12,000	827	5.7	8.5	250
3130-05	3903/7903	305	5/16	7.9	0.596	15.1	1 3/4	44	2,500	172	10,000	689	6.9	10.3	250
3130-06	3903/7903	306	3/8	9.5	0.662	16.8	2	51	2,250	155	9,000	620	9.5	14.1	250
3130-08	3903/7903	306	1/2	12.7	0.818	20.8	3	76	2,000	138	8,000	552	14.1	21.0	250
3130-12	3903/7903	312	3/4	19.1	1.069	27.2	5	127	1,250	86	5,000	345	19.3	28.7	200
3130-16	3903/7903	316	1	25.4	1.342	34.1	8	203	1,000	69	4,000	276	26.4	39.3	200

\*\* SAE specification 100R7 does not apply to 1/8" inch size: The nylon core tube is a single-wall design and is not bonded to the reinforcement

**SYNFLEX HYDRAULIC  
MEDIUM PRESSURE**

**3580**

2,250 – 3,500 psi (155 – 241 bar) working pressures  
Meets or exceeds SAE 100R1 and R7 performance specifications  
Steel wire reinforcement



**APPLICATIONS:**

- Hydraulic tools (not recommended for pneumatic pressures)
- Lubrication systems
- Mobile hydraulics
- Agriculture equipment

**CONSTRUCTION:**

- Black polyurethane non-perforated cover
- Braided bronze coated steel wire reinforcement
- Polyester core tube

**FEATURES:**

- Temperature range: -40°F to 225°F (-40°C to 107°C) or to 140°F (60°C), with water-based or fire resistant fluids
- Single permanent coupling series fits all sizes
- SAE 100R7 dimensions
- Cut resistant – heavy duty design

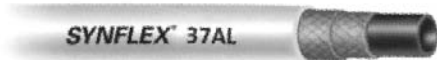
**SPECIFICATIONS**

PRODUCT I.D.			NOMINAL I.D.		MAXIMUM O.D.		MINIMUM BEND RADIUS		MAXIMUM WORKING PRESSURE		MAXIMUM BURST PRESSURE		WEIGHT		
RB&H #	PERMANENT COUPLING SERIES STEEL	SWAGE DIE PART # 4540-	(IN.)	(MM)	(IN.)	(MM)	(IN.)	(MM)	(PSI)	(BAR)	(PSI)	(BAR)	LBS./100 (FT.)	KG/100 (M.)	G/100
3580-04	3903/7903	304	¼	—	.4930	—	1 ¾	—	3,500	241	14,000	965	10.3	15.3	500
3580-06	3903/7903	306	⅜	—	.6413	—	2 ¼	—	3,250	221	13,000	884	18.1	26.9	500
3580-08	3903/7903	308	½	—	.7680	—	3 ¼	—	3,000	207	12,000	827	20.7	30.8	400

**NON-CONDUCTIVE**

**37AL (SAE 100R7)**

MEDIUM PRESSURE



**APPLICATIONS:**

- General hydraulic systems that may contact high voltage sources
- Rescue equipment and tools
- Mobile machinery
- Aerial equipment

**CONSTRUCTION:**

- Core Tube - polyester
- Reinforcement - braided synthetic fiber
- Jacket - Orange, non-conductive polyurethane

**FEATURES:**

- SAE J517, ANSI 92.2 for aerial lift equipment
- Temperature range: -40°F to +212°F
- Improved flexibility

**SPECIFICATIONS**

RB&H #	RB&H TWIN LINE #	NOMINAL I.D. (IN.)	COUPLING SERIES	DIE 4540-	NOMINAL I.D. (IN.)	MAX O.D.	MINIMUM BEND RADIUS (IN.)	MAXIMUM OPERATING PRESSURE (PSI)	MINIMUM BURST PRESSURE (PSI)	WT. PER 100 FT. (LBS)
37AL-03003	—	⅜	3903	30300	.20	.425	.75	3,000	12,000	4.8
37AL-04003	3770-27A33	¼	3903	3V400	.25	.485	1.25	3,000	11,000	6.0
37AL-05003	—	5/16	3903	30500	.32	.580	1.75	3,000	10,000	7.5
37AL-06003	3770-27A53	⅜	3903	30600	.38	.635	2.00	3,000	9,000	9.5
37AL-08003	3770-27A63	½	3903	30800	.50	.815	3.00	3,000	9,000	14.3