

**SYNFLEX HYDRAULIC**

**HIGH PRESSURE**

# Synflex Hose & Couplings

## 3800 (SAE 100R8)

3,500 – 5,000 psi (241 – 345 bar) working pressures



**APPLICATIONS:**

- General hydraulics
- High pressure gas and chemical transfer
- Machine tools
- Mobile equipment
- Agricultural equipment

**CONSTRUCTION:**

- Black polyurethane cover
- Braided high tensile aramid fiber reinforcement
- Nylon core tube

**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
- 100R8 hose performance with 100R7 hose dimensions – for coupling versatility
- Low volumetric expansion

### SPECIFICATIONS

PRODUCT I.D.			NOMINAL I.D.		MAXIMUM O.D.		MINIMUM BEND RADIUS		MAXIMUM WORKING PRESSURE		MAXIMUM BURST PRESSURE		WEIGHT		REEL QUANTITY (FT.)
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.)	
3800-03	3903/7903	303	3/16	4.8	.432	11.0	1 1/2	38	5,000	345	20,000	1379	5.6	8.3	250
3800-04	3903/7903	304	1/4	6.4	.532	13.5	2	51	5,000	345	20,000	1379	7.9	11.8	250
3800-06	3903/7903	306	3/8	9.5	.667	16.9	2 1/2	64	4,000	276	16,000	1103	10.6	15.8	250
3800-08	3903/7903	308	1/2	12.7	.837	21.3	4	102	3,500	241	14,000	965	14.6	21.7	250

## 3R80 (SAE 100R8)

2,000 – 5,000 psi (138 – 345 bar) working pressures



**APPLICATIONS:**

- General hydraulic systems
- Hydraulic tools
- Mobile equipment
- High pressure pneumatic systems

**CONSTRUCTION:**

- Black polyurethane cover
- Braided synthetic fiber reinforcement
- Nylon core tube

**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
- Long life in impulse cycling and flexing
- Designed for permanent or reusable couplings

### SPECIFICATIONS

PRODUCT I.D.				NOMINAL I.D.		MAXIMUM O.D.		MINIMUM BEND RADIUS		MAXIMUM WORKING PRESSURE		MAXIMUM BURST PRESSURE		WEIGHT		REEL QUANTITY (FT.)
RB&H #	PERMANENT COUPLING SERIES STEEL	REUSABLE COUPLING SERIES STEEL	SWAGE DIE PART # 4540-	(IN.)	(MM)	(IN.)	(MM)	(IN.)	(MM)	(PSI)	(BAR)	(PSI)	(BAR)	LBS./100 (FT.)	KG/100 (M.)	
3R80-03	390H/790H	390J	H03	3/16	4.8	0.517	13.1	1 1/2	38	5,000	345	20,000	1,379	7.7	11.5	250
3R80-04	390H/790H	390J	H04	1/4	6.4	0.627	15.9	2	51	5,000	345	20,000	1,379	11.8	17.6	250
3R80-06	390H/790H	390J	H06	3/8	9.5	0.767	19.5	2 1/2	64	4,000	276	16,000	1,103	14.8	22.0	250
3R80-08	390H/790H	390J	H08	1/2	12.7	0.894	22.7	4	102	3,500	241	14,000	965	19.0	28.3	250
3R80-12	390H/790H	390J	H012	3/4	19.1	1.138	28.9	6 1/2	165	2,250	155	9,000	620	25.6	38.1	200
3R80-16	390H	390J	H016	1	25.4	1.472	37.4	10	254	2,000	138	8,000	552	38.5	57.3	200