

HYDRAULIC HOSE

HYDRAULIC PRODUCTS

BRIDGESTONE CORPORATION



SAE series / DIN series

SAE Series

● Compatible Fluid / Mineral Oil

DIN Series

● Compatible Fluid / Mineral Oil
● Only Hose Available



Temperature Range	Fluid	Ambient
R1,R2,4SP,4SH	-40°C to +100°C -40°F to +212°F	-40°C to +70°C -40°F to +158°F
R12,R13,R15	-40°C to +121°C -40°F to +250°F	-40°C to +70°C -40°F to +158°F

R1T/R1S

SAE 100R1
Type AT/Type S

Construction

- Inner Tube / Synthetic Rubber
- Outer Cover / Synthetic Rubber
- Reinforcement / 1W

Catalog Number	I.D.		O.D.		Max.W.P.		Min.B.P.		Min.B.R.		Weight		Reinforcement	PA/EQ series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	g/m		
	R1T04	1/4	6.3	0.53	13.5	2,750	19.2	11,000	76.8	3.94	100	0.15		
R1T06	3/8	9.5	0.69	17.5	2,250	15.7	9,000	62.8	4.92	125	0.25	370	PA1406	
R1T08	1/2	12.7	0.81	20.6	2,000	14.0	8,000	56.0	7.09	180	0.30	450	PA1408	
R1T10	5/8	15.9	0.94	23.8	1,500	10.5	6,000	42.0	8.07	205	0.31	470	PA1010	
R1T12	3/4	19.0	1.09	27.8	1,250	8.5	5,000	34.0	9.45	240	0.41	620	PA0712	
R1T16	1	25.4	1.41	35.8	1,000	7.0	4,000	28.0	11.81	300	0.62	930	PA0716	
R1S20	1-1/4	31.8	1.70	43.2	900	6.2	3,600	24.8	16.54	420	0.91	1,360	PA0320	
R1S24	1-1/2	38.1	1.98	50.4	725	5.0	2,900	20.0	19.69	500	1.13	1,700	PA0324	
R1S32	2	50.8	2.53	64.3	580	4.0	2,320	16.0	24.80	630	1.62	2,430		

R2T/R2S

SAE 100R2
Type AT/Type S

Construction

- Inner Tube / Synthetic Rubber
- Outer Cover / Synthetic Rubber
- Reinforcement / 2W

Catalog Number	I.D.		O.D.		Max.W.P.		Min.B.P.		Min.B.R.		Weight		Reinforcement	PA/EQ series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	g/m		
	R2T04	1/4	6.3	0.59	15.1	5,000	35.0	20,000	140.0	3.94	100	0.25		
R2T06	3/8	9.5	0.75	19.1	4,000	28.0	16,000	112.0	4.92	125	0.33	500	PA2806	
R2T08	1/2	12.7	0.87	22.2	3,500	24.5	14,000	98.0	7.09	180	0.41	620	PA2108	
R2T10	5/8	15.9	1.00	25.4	2,750	19.2	11,000	76.8	8.07	205	0.45	680	PA1710	
R2T12	3/4	19.0	1.16	29.4	2,250	15.7	9,000	62.8	9.45	240	0.59	890	PA1412	
R2T16	1	25.4	1.50	38.1	2,000	14.0	8,000	56.0	11.81	300	0.97	1,450	PA1416	
R2S10	1-1/4	31.8	1.89	48.0	1,813	12.5	7,250	50.0	14.17	360	1.50	2,250	PA0720	
R2S12	1-1/2	38.1	2.14	54.4	1,305	9.0	5,220	36.0	16.14	410	1.74	2,610	PA0724	
R2S16	2	50.1	2.64	67.0	1,160	8.0	4,640	32.0	20.47	520	2.21	3,310	PA0732	

R12A

SAE 100R12

Construction

- Inner Tube / Synthetic Rubber
- Outer Cover / Synthetic Rubber
- Reinforcement / 4S

Catalog Number	I.D.		O.D.		Max.W.P.		Min.B.P.		Min.B.R.		Weight		Reinforcement	PA/EQ series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	g/m		
	R12A06	3/8	9.5	0.80	20.3	4,000	28.0	16,000	112.0	4.92	125	0.50		
R12A08	1/2	12.7	0.94	23.8	4,000	28.0	16,000	112.0	7.09	180	0.53	800	PA2808-77	
R12A10	5/8	15.9	1.08	27.4	4,000	28.0	16,000	112.0	7.87	200	0.73	1,100	PA2810-77	
R12A12	3/4	19.0	1.21	30.7	4,000	28.0	16,000	112.0	9.45	240	0.83	1,250	PA2812-77	
R12A16	1	25.4	1.50	38.0	4,000	28.0	16,000	112.0	11.81	300	1.30	1,950	PA2816-77	
R12A20	1-1/4	31.8	1.85	47.0	3,000	21.0	12,000	84.0	16.54	420	1.87	2,800	PA2120	
R12A24	1-1/2	38.1	2.11	53.5	2,500	17.5	10,000	70.0	19.69	500	2.22	3,330	PA2124	
R12A32	2	50.8	2.63	66.7	2,500	17.5	10,000	70.0	25.20	640	2.93	4,400	PA2132	

1W

1 wire braid

2W

2 wire braids

4S

4 spiral wires

R13A

SAE 100R13

Construction

- Inner Tube / Synthetic Rubber
- Outer Cover / Synthetic Rubber
- Reinforcement / 4S(R13A12/R13A16) 6S(R13A20/R13A24/R13A32)

Catalog Number	I.D.		O.D.		Max.W.P.		Min.B.P.		Min.B.R.		Weight		Reinforcement	PA/EQ series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	g/m		
	R13A12	3/4	19.0	1.26	32.1	5,000	140.0	20,000	137.9	9.45	240	1.07		
R13A16	1	25.4	1.52	38.7	5,000	140.0	20,000	137.9	11.81	300	1.50	2,250	HQ3516-77	
R13A20	1-1/4	31.8	1.96	49.8	5,000	140.0	20,000	137.9	16.54	420	2.93	4,400	6S	HQ3520
R13A24	1-1/2	38.1	2.26	57.3	5,000	140.0	20,000	137.9	19.69	500	3.20	4,800		EQ3124
R13A32	2	50.8	2.80	71.1	5,000	140.0	20,000	137.9	25.20	640	4.80	7,200		EQ3132

R15A

SAE 100R15

Construction

- Inner Tube / Synthetic Rubber
- Outer Cover / Synthetic Rubber
- Reinforcement / 4S(R15A06/RA15A08/R15A12/R15A16) 6S(R15A20/R15A24)

Catalog Number	I.D.		O.D.		Max.W.P.		Min.B.P.		Min.B.R.		Weight		Reinforcement	PA/EQ series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	g/m		
	R15A06	3/8	9.5	0.80	20.3	6,000	42.0	24,000	168.0	5.91	150	0.48		
R15A08	1/2	12.7	0.94	23.8	6,000	42.0	24,000	168.0	7.87	200	0.61	920		
R15A12	3/4	19.0	1.21	30.7	6,000	42.0	24,000	168.0	10.43	265	0.98	1,470		
R15A16	1	25.4	1.52	38.7	6,000	42.0	24,000	168.0	12.99	330	1.45	2,180	6S	
R15A20	1-1/4	31.8	1.96	49.8	6,000	42.0	24,000	168.0	17.52	445	2.59	3,890		
R15A24	1-1/2	38.1	2.26	57.3	6,000	42.0	24,000	168.0	20.87	530	3.17	4,760		

4SP

DIN 4SP

Construction

- Inner Tube / Synthetic Rubber
- Outer Cover / Synthetic Rubber
- Reinforcement / 4S

Catalog Number	I.D.		O.D.		Max.W.P.		Min.B.P.		Min.B.R.		Weight		Reinforcement	PA/EQ series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	g/m		
	4SP06	3/8	9.5	0.84	21.4	6,500	44.5	26,000	178.0	7.09	180	0.55		
4SP08	1/2	12.7	0.97	24.6	6,000	41.5	24,000	166.0	9.06	230	0.63	950	PA3508-77	
4SP10	5/8	15.9	1.11	28.2	5,100	35.0	20,400	140.0	9.84	250	0.80	1,200	PA3510-77	
4SP12	3/4	19.0	1.27	32.2	5,100	35.0	20,400	140.0	11.81	300	1.07	1,600	PA3512-77	
4SP16	1	25.4	1.56	39.7	4,100	28.0	16,400	112.0	13.39	340	1.53	2,300	PA3516-77	
4SP20	1-1/4	31.8	2.00	50.8	3,000	21.0	12,000	84.0	18.11	460	2.13	3,200	PA2120	
4SP24	1-1/2	38.1	2.25	57.2	2,700	18.5	10,800	74.0	22.05	560	2.53	3,800	PA2124	

4SH

DIN 4SH

Construction

- Inner Tube / Synthetic Rubber
- Outer Cover / Synthetic Rubber
- Reinforcement / 4S

Catalog Number	I.D.		O.D.		Max.W.P.		Min.B.P.		Min.B.R.		Weight		Reinforcement	PA/EQ series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	g/m		
	4SH12	3/4	19.0	1.27	32.2	6,100	42.0	24,400	168.0	11.02	280	1.07		
4SH16	1	25.4	1.52	38.7	5,500	38.0	22,000	152.0	13.39	340	1.50	2,250	PA3516-77	
4SH20	1-1/4	31.8	1.79	45.5	4,700	32.5	18,800	130.0	18.11	460	1.73	2,600	PA2120	
4SH24	1-1/2	38.1	2.11	53.5	4,200	29.0	16,800	116.0	22.05	560	2.13	3,200	PA2124	
4SH32	2	50.8	2.68	68.1	3,600	25.0	14,400	100.0	27.56	700	3.20	4,800	PA2132	

6S

6 spiral wires