CATALOGUE OF HYDRAULIC HOSES

AMASPRO INC

America & Asia Products

CONTENTS

HYDRAULIC HOSE

SAE J517 100R1 / EN853 1SN 01
EN857 1SC 02
SAE J517 100R2 / EN853 2SN 03
EN857 2SC 04
SAE J517 100R3 / EN854 R3 05
SAE J517 100R4 06
SAE J517 100R5 07
SAE J517 100R5HT 08
SAE J517 100R6 / EN854 R6 09
SAE J517 100R7 10
ARAMID SAE J517 100R8 11
SUPER HIGH PRESSURE THERMOPLASTIC HOSE 12
SAE J517 100R12 / EN856 R12 13
SAE J517 100R13 / EN856 R13 14
SAE J517 100R14 15
SAE J517 100R15 16
SAE J517 100R16 17
SAE J517 100R17 18
EN856 4SP 19
EN856 4SH 20
ISO 18752 L3000 21
ISO 18752 L5000 22
ISO 18752 L6000 23
EN854 1TE 24
EN854 2TE 25
EN854 3TE 26
HIGH PRESSURE THERMOPLASTIC HOSE 27
10000PSI SUPER HIGH PRESSURE THERMOPLASTIC HOSE 28
14500PSI SUPER HIGH PRESSURE THERMOPLASTIC HOSE 29
HIGH PRESSURE, TWIN THERMOPLASTIC HOSE (FIBRE BRAIDED) 30
HIGH PRESSURE, TWIN THERMOPLASTIC HOSE (WIRE BRAIDED) 31
HOSE FOR VEHICLE 32-33
SAE J2064 R134a AUTOMOTIVE AC HOSE 34
PILOT HOSE (REFER TO 1SC) 35
LSB (Q / LDJG 03-2017) 36
LSA (Q / LDJG 03-2017) 37
LT01 38
LT02 39
SAE 100R1 RED FIRE SUPPRESSION HOSE 40
FLEXIBLE CABLE PROTECTION HOSE 41

SAE J517 100R1 / EN853 1SN

ONE LAYER STEEL WIRE REINFORCED, RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: one layer of steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D				W.D				O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)		Standard (mm)	(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
1SN 3/16"	5	3/16	03	4.6	5.4	4.7	5.3	8.9	10.1	9.0	9.8	12.5	11.1	12.1	25.0	250	3630	100.0	90	0.19
1SN 1/4"	6.3	1/4	04	6.2	7.0	6.2	6.8	10.6	11.7	10.6	11.4	14.1	12.7	13.7	22.5	225	3260	90.0	100	0.23
1SN 5/16"	8	5/16	05	7.7	8.5	7.8	8.4	12.1	13.3	12.1	12.9	15.7	14.3	15.3	21.5	215	3120	86.0	115	0.26
1SN 3/8"	10	3/8	06	9.3	10.1	9.5	10.1	14.5	15.7	14.6	15.4	18.1	16.7	17.7	18.0	180	2610	72.0	130	0.33
1SN 1/2"	12.5	1/2	08	12.3	13.5	12.5	13.1	17.5	19.0	17.5	18.3	21.5	19.7	20.7	16.0	160	2320	64.0	180	0.40
1SN 5/8"	16	5/8	10	15.5	16.7	15.8	16.4	20.6	22.2	20.6	21.4	24.7	22.9	23.9	13.0	130	1890	52.0	200	0.48
1SN 3/4"	19	3/4	12	18.6	19.8	18.8	19.4	24.6	26.2	24.6	25.4	28.6	26.9	27.9	10.5	105	1520	42.0	240	0.62
1SN 7/8" *	22	7/8	14	——	——	21.8	22.4	——	——	27.6	28.4	——	29.9	30.9	9.5	95	1380	38.0	280	0.70
1SN 1"	25	1	16	25.0	26.4	25.0	25.6	32.5	34.1	32.5	33.4	36.6	34.6	35.6	8.7	87	1260	34.8	300	0.91
1SN 1-1/4"	31.5	1-1/4	20	31.4	33.0	31.8	32.6	39.3	41.7	39.3	40.3	44.8	42.2	43.4	6.2	62	900	24.8	420	1.16
1SN 1-1/2"	38	1-1/2	24	37.7	39.3	37.8	38.6	45.6	48.0	45.6	46.6	52.0	49.4	50.6	5.0	50	730	20.0	500	1.40
1SN 2"	51	2	32	50.4	52.0	50.8	51.6	58.7	61.9	59.3	60.3	65.9	62.8	64.2	4.0	40	580	16.0	630	1.90
1SN 2-1/2"*	64	2-1/2	40	63.1	65.1	63.6	64.8	——	——	72.0	73.0	——	74.8	76.0	3.0	30	440	12.0	760	2.17

EN857 1SC

COMPACT, ONE LAYER STEEL WIRE REINFORCED，RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: one layer of high-tensile steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D				O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		Lenflex (mm)		Standard (mm)		Lenflex (mm)		Standard (mm)	Lenflex (mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
1SC 1/4"	6.3	1/4	04	6.1	6.9	6.2	6.8	9.6	10.8	9.6	10.4	13.5	11.5	12.5	22.5	225	3260	90.0	75	0.17
1SC 5/16"	8	5/16	05	7.7	8.5	7.8	8.4	10.9	12.1	11.3	12.1	14.5	13.4	14.4	21.5	215	3120	86.0	85	0.22
1SC 3/8"	10	3/8	06	9.3	10.1	9.5	10.1	12.7	14.5	13.3	14.3	16.9	15.5	16.5	18.0	180	2610	72.0	90	0.28
1SC 1/2"	12.5	1/2	08	12.3	13.5	12.7	13.3	15.9	18.1	16.6	17.6	20.4	18.8	19.8	16.0	160	2320	64.0	130	0.38
1SC 5/8"	16	5/8	10	15.5	16.7	15.8	16.4	19.8	21.0	19.8	20.8	23.0	22.1	23.0	13.0	130	1890	52.0	150	0.46
1SC 3/4"	19	3/4	12	18.6	19.8	18.8	19.4	23.2	24.4	23.4	24.4	26.7	25.7	26.7	10.5	105	1520	42.0	180	0.57
1SC 1"	25	1	16	25.0	26.4	25.0	25.6	30.7	31.9	30.8	31.8	34.9	33.2	34.2	8.8	88	1280	35.2	230	0.85
1SC 1-1/4"*	31.5	1-1/4	20	31.4	33.0	31.8	32.6	——	——	38.0	39.2	——	40.4	41.6	7.0	70	1020	28.0	280	1.05

SAE J517 100R2 / EN853 2SN

TWO LAYER STEEL WIRE REINFORCED, RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: two layers of steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D				W.D				O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		Lenflex (mm)		Standard (mm)		Lenflex (mm)		Standard (mm)	Lenflex (mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
2SN 3/16"	5	3/16	3	4.6	5.4	4.7	5.3	10.6	11.7	10.6	11.4	14.1	12.7	13.7	41.5	415	6020	166.0	90	0.29
2SN 1/4"	6.3	1/4	4	6.2	7.0	6.2	6.8	12.1	13.3	12.1	12.9	15.7	14.2	15.2	40.0	400	5800	160.0	100	0.35
2SN 5/16"	8	5/16	5	7.7	8.5	7.8	8.4	13.7	14.9	13.7	14.5	17.3	15.8	16.8	35.0	350	5080	140.0	115	0.39
2SN 3/8"	10	3/8	6	9.3	10.1	9.5	10.1	16.1	17.3	16.1	16.9	19.7	18.2	19.2	33.0	330	4790	132.0	130	0.49
2SN 1/2"	12.5	1/2	8	12.3	13.5	12.5	13.1	19.0	20.6	19.0	20.0	23.1	21.4	22.4	27.5	275	3990	110.0	180	0.61
2SN 5/8"	16	5/8	10	15.5	16.7	15.8	16.4	22.2	23.8	22.2	23.2	26.3	24.6	25.6	25.0	250	3630	100.0	200	0.74
2SN 3/4"	19	3/4	12	18.6	19.8	18.8	19.4	26.2	27.8	26.2	27.2	30.2	28.5	29.5	21.5	215	3120	86.0	240	0.93
2SN 7/8" *	22	7/8	14	——	——	21.8	22.4	——	——	29.3	30.3	——	31.9	32.9	17.5	175	2540	70.0	280	1.05
2SN 1"	25	1	16	25.0	26.4	25.0	25.6	34.1	35.7	34.1	35.1	38.9	36.6	37.6	16.5	165	2390	66.0	300	1.40
2SN 1-1/4"	31.5	1-1/4	20	31.4	33.0	31.8	32.6	43.2	45.6	43.2	44.2	49.6	46.7	47.9	12.5	125	1810	50.0	420	2.03
2SN 1-1/2"	38	1-1/2	24	37.7	39.3	37.8	38.6	49.6	52.0	49.6	50.6	56.0	53.4	54.6	9.0	90	1310	36.0	500	2.26
2SN 2"	51	2	32	50.4	52.0	50.8	51.6	62.3	64.7	62.3	63.3	68.6	66.1	67.3	8.0	80	1160	32.0	630	2.92
2SN 2-1/2"*	64	2-1/2	40	63.1	65.1	63.6	64.8	74.6	77.8	74.6	75.6	81.8	77.2	78.4	7.0	70	1020	28.0	760	3.43

EN857 2SC

COMPACT, TWO LAYER STEEL WIRE REINFORCED RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: two layers of high-tensile steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D				O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		**Lenflex (mm)**		Standard (mm)		**Lenflex (mm)**		Standard (mm)	**Lenflex (mm)**							
Part No.	mm	Inches	Dash	Min	Max	**Min**	**Max**	Min	Max	**Min**	**Max**	Max	**Min**	**Max**	Mpa	**Bar**	Psi	Mpa	mm	Kg/m
2SC 1/4"	6.3	1/4	04	6.1	6.9	**6.2**	**6.8**	10.6	11.7	**10.8**	**11.6**	14.2	**12.9**	**13.9**	40.0	**400**	5800	160.0	75	0.27
2SC 5/16"	8	5/16	05	7.7	8.5	**7.7**	**8.3**	12.1	13.3	**12.5**	**13.3**	16.0	**14.6**	**15.6**	35.0	**350**	5080	140.0	85	0.33
2SC 3/8"	10	3/8	06	9.3	10.1	**9.4**	**10.0**	14.4	15.6	**14.8**	**15.6**	18.3	**16.9**	**17.9**	33.0	**330**	4790	132.0	90	0.43
2SC 1/2"	12.5	1/2	08	12.3	13.5	**12.4**	**13.1**	17.5	19.1	**18.0**	**19.0**	21.5	**20.3**	**21.3**	27.5	**275**	3990	110.0	130	0.57
2SC 5/8"	16	5/8	10	15.5	16.7	**15.8**	**16.4**	20.5	22.3	**21.3**	**22.3**	24.7	**23.5**	**24.5**	25.0	**250**	3630	100.0	170	0.69
2SC 3/4"	19	3/4	12	18.6	19.8	**18.8**	**19.4**	24.6	26.4	**25.0**	**26.0**	28.6	**27.4**	**28.4**	21.5	**215**	3120	86.0	200	0.88
2SC 1"	25	1	16	25.0	26.4	**25.0**	**25.8**	32.5	34.3	**32.5**	**33.5**	36.6	**35.2**	**36.2**	16.5	**165**	2390	66.0	250	1.27
2SC 1-1/4"*	31.5	1-1/4	20	31.4	33.0	**31.8**	**32.6**	——	——	**39.5**	**40.7**	——	**42.3**	**43.5**	13.0	**130**	1890	52.0	300	1.56

SAE J517 100R3 / EN854 R3

TWO LAYER FIBER BRAIDED (NONMETALLIC) , RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: two layers of high strength fiber braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		**Lenflex (mm)**		Standard (mm)		**Lenflex (mm)**							
Part No.	mm	Inches	Dash	Min	Max	**Min**	**Max**	Min	Max	**Min**	**Max**	Mpa	**Bar**	Psi	Mpa	mm	Kg/m
R3 3/16"	5	3/16	03	4.5	5.4	**4.7**	**5.3**	11.9	13.5	**12.5**	**13.5**	10.5	**105.0**	1520	42.0	75	0.16
R3 1/4"	6.3	1/4	04	6.1	7.0	**6.1**	**6.7**	13.5	15.1	**14.0**	**15.0**	8.7	**87.0**	1260	34.8	75	0.19
R3 5/16"	8	5/16	05	7.6	8.5	**7.8**	**8.4**	16.7	18.3	**16.8**	**17.8**	8.4	**84.0**	1220	33.6	100	0.25
R3 3/8"	10	3/8	06	9.2	10.1	**9.5**	**10.1**	18.3	19.8	**18.6**	**19.6**	7.8	**78.0**	1130	31.2	100	0.28
R3 13/32"*	11	13/32	06	——	——	**10.3**	**11.1**	——	——	**20.0**	**21.0**	7.4	**74.0**	1070	29.6	100	0.30
R3 1/2"	12.5	1/2	08	12.4	13.5	**12.8**	**13.4**	23.0	24.6	**23.0**	**24.0**	7.0	**70.0**	1020	28.0	125	0.39
R3 5/8"	16	5/8	10	15.6	16.7	**15.8**	**16.4**	26.2	27.8	**26.5**	**27.5**	6.1	**61.0**	880	24.4	140	0.45
R3 3/4"	19	3/4	12	18.7	19.8	**18.8**	**19.6**	31.0	32.5	**31.0**	**32.2**	5.2	**52.0**	750	20.8	150	0.64
R3 1"	25	1	16	25.1	26.2	**25.1**	**25.9**	36.9	39.3	**37.2**	**38.4**	3.9	**39.0**	570	15.6	205	0.77
R3 1-1/4"	31.5	1-1/4	20	31.4	32.9	**31.7**	**32.5**	42.9	46.0	**43.9**	**45.1**	2.6	**26.0**	380	10.4	250	0.97
R3 1-1/2"*	38	1-1/2	24	——	——	**37.7**	**38.5**	——	——	**50.0**	**52.0**	2.4	**24.0**	350	9.6	300	1.12

SAE J517 100R4

EMBEDED WIRE HYDRAULIC SUCTION HOSE



WRAPPED SURFACE

INNER TUBE:oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT:one or two layers of high strength synthetic textile and helix steel wire reinforced.
COVER:oil and weather resistant synthetic rubber
APPLICATION:petroleum base and water base hydraulic fluids
TEMPERATURE RANGE:-40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		**Lenflex (mm)**		Standard (mm)	**Lenflex (mm)**							
Part No.	mm	Inches	Dash	Min	Max	**Min**	**Max**	Max	**Min**	**Max**	Mpa	**Bar**	Psi	Mpa	mm	Kg/m
R4 3/4"	19	3/4	12	18.2	19.8	**18.5**	**19.5**	34.9	**29.3**	**30.7**	2.1	**21.0**	300	8.4	125	0.70
R4 7/8"*	22	7/8	——	——	——	**21.8**	**22.8**	——	**32.5**	**33.5**	1.9	**19.0**	280	7.6	135	0.79
R4 1"	25	1	16	24.6	26.2	**24.6**	**25.6**	41.3	**35.3**	**36.7**	1.7	**17.0**	250	6.8	150	0.87
R4 1-1/4"	32	1-1/4	20	30.6	33.0	**31.5**	**32.5**	50.8	**43.3**	**44.7**	1.4	**14.0**	200	5.6	200	1.22
R4 1-3/8"*	35	1-3/8	22	——	——	**34.5**	**35.5**	——	**46.2**	**47.8**	1.2	**12.0**	170	4.8	235	1.31
R4 1-1/2"	38	1-1/2	24	36.9	39.3	**37.4**	**38.6**	57.2	**50.2**	**51.8**	1.1	**10.5**	150	4.2	255	1.51
R4 1-3/4"*	45	1-3/4	28	——	——	**44.4**	**45.6**	——	**57.0**	**59.0**	1.0	**10.0**	150	4.0	275	1.77
R4 2"	51	2	32	49.2	52.4	**50.4**	**51.6**	69.9	**63.0**	**65.0**	0.7	**7.0**	100	2.8	300	1.95
R4 2-3/8"*	60	2-3/8	——	——	——	**59.6**	**60.6**	——	**73.0**	**75.0**	0.5	**5.0**	70	2.0	325	2.42
R4 2-1/2"	63	2-1/2	40	61.9	65.1	**63.4**	**64.6**	82.6	**77.0**	**79.0**	0.4	**4.0**	60	1.6	355	2.66
R4 3"	76	3	48	74.6	77.8	**75.2**	**76.8**	95.3	**89.0**	**91.0**	0.4	**4.0**	60	1.6	460	3.22
R4 3-5/32"*	80	3-5/32	——	——	——	**79.2**	**80.8**	——	**93.0**	**95.0**	0.4	**4.0**	60	1.6	480	3.44
R4 3-1/2"	89	3-1/2	56	87.3	90.5	**88.0**	**90.0**	107.9	**102.5**	**105.5**	0.3	**3.0**	40	1.2	530	3.97
R4 4"	102	4	64	100.0	103.2	**101.0**	**103.0**	120.7	**114.0**	**118.0**	0.2	**2.0**	30	0.8	610	4.18

SAE J517 100R5

ONE LAYER WIRE BRAIDED, TEXTILE COVERED HYDRAULIC HOSE



INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: single layer of steel wire braided.
COVER: single layer of fibre braided
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
R5 3/16"	5	3/16	04	4.8	5.5	4.8	5.4	12.7	13.7	12.7	13.2	21.0	210	3050	84.0	75	0.23
R5 1/4"	6.3	1/4	05	6.4	7.2	6.4	7.0	14.3	15.3	14.3	14.8	21.0	210	3050	84.0	85	0.27
R5 5/16"	8	5/16	06	7.9	8.7	7.9	8.5	16.7	17.6	16.7	17.2	15.7	157	2280	62.8	100	0.33
R5 3/8"*	10	3/8	——	——	——	9.5	10.1	——	——	17.8	18.8	14.5	145	2100	58.0	100	0.37
R5 13/32"	11	13/32	08	10.3	11.1	10.5	11.1	18.9	20.0	18.9	19.5	14.0	140	2030	56.0	115	0.39
R5 1/2"	12.5	1/2	10	12.7	13.7	12.8	13.4	22.8	24.0	22.8	23.4	12.2	122	1770	48.8	140	0.58
R5 5/8"	16	5/8	12	15.9	17.0	15.9	16.5	26.8	28.0	26.8	27.6	10.5	105	1520	42.0	165	0.72
R5 3/4"*	19	3/4	——	——	——	18.8	19.4	——	——	27.4	28.2	7.8	78	1130	31.2	175	0.66
R5 7/8"	22	7/8	16	22.2	23.3	22.2	22.8	30.6	32.2	30.6	31.4	5.6	56	810	22.4	185	0.72
R5 1"*	25	1	——	——	——	25.0	25.8	——	——	33.6	34.4	5.0	50	730	20.0	200	0.78
R5 1-1/8"	29	1-1/8	20	28.6	29.8	28.6	29.4	37.3	38.9	37.3	38.3	4.3	43	620	17.2	230	0.83
R5 1-3/8"	35	1-3/8	24	34.9	36.1	34.9	35.5	43.7	45.2	43.7	44.7	3.5	35	510	14.0	265	1.00
R5 1-13/16"	46	1-13/16	32	46.0	47.2	46.0	46.8	55.2	57.6	55.2	56.4	2.4	24	350	9.6	335	1.34
R5 2"*	51	2	——	——	——	50.4	51.6	——	——	61.4	62.6	2.4	24	350	9.6	500	1.68
R5 2-3/8"	60	2-3/8	40	60.3	61.9	60.3	60.6	71.8	74.2	71.8	73.3	2.4	24	350	9.6	610	2.21
R5 3"	76	3	48	76.2	77.8	76.2	77.2	89.3	91.7	89.3	90.7	1.4	14	200	5.6	840	2.71

SAE J517 100R5HT

ONE STEEL WIRE REINFORCED, BLUE FIBRE TIGHTLY BRAIDING COVER, HIGH-TEMP. RESISTANT R5 HOSE



INNER TUBE: oil resistant, heat-resistant synthetic rubber
REINFORCEMENT:single layer of steel wire braided.
COVER:tightly braided blue heat-resistant fibre cover
APPLICATION:petroleum base and water base hydraulic fluids
TEMPERATURE RANGE:-40°C ~ +150°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D		O.D		Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		(mm)		(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
06R5HT	6.3	1/4	05	6.4	7.2	6.4	7.0	10.6	11.4	12.7	13.7	22.5	225	3260	90.0	100	0.23
08R5HT	8	5/16	06	7.9	8.7	7.9	8.5	12.1	12.9	14.3	15.3	21.0	210	3050	84.0	115	0.26
10R5HT	10	3/8	——	——	——	9.5	10.1	14.6	15.4	16.7	17.7	18.0	180	2610	72.0	130	0.33
11R5HT	11	13/32	08	10.3	11.1	10.5	11.1	15.6	16.4	17.8	18.8	17.0	170	2470	68.0	150	0.38
13R5HT	12.5	1/2	10	12.7	13.7	12.8	13.4	17.5	18.3	19.7	20.7	16.0	160	2320	64.0	180	0.40
16R5HT	16	5/8	12	15.9	17.0	15.9	16.5	20.6	21.4	22.9	23.9	13.0	130	1890	52.0	200	0.48
19R5HT	19	3/4	——	——	——	18.8	19.4	24.6	25.4	26.9	27.9	10.5	105	1520	42.0	230	0.62
22R5HT	22	7/8	16	22.2	23.3	22.2	22.8	27.6	28.4	29.9	30.9	9.5	95	1380	38.0	260	0.70
25R5HT	25	1	——	——	——	25.0	25.8	32.4	33.4	34.6	35.6	8.7	87	1260	34.8	290	0.84
29R5HT	29	1-1/8	20	28.6	29.8	28.6	29.4	35.5	36.5	37.3	38.3	6.5	65	940	26.0	320	0.91
35R5HT	35	1-3/8	24	34.9	36.1	34.9	35.5	41.5	42.5	43.7	44.7	5.5	55	800	22.0	380	1.00
46R5HT	46	1-13/16	32	46.0	47.2	46.0	46.8	53.2	54.4	55.2	56.4	4.5	45	650	18.0	420	1.43
51R5HT	51	2	——	——	——	50.4	51.6	59.2	60.4	61.4	62.6	3.5	35	510	14.0	500	1.67
60R5HT	60	2-3/8	40	60.3	61.9	59.5	60.6	70.2	71.4	71.8	73.2	3.0	30	440	12.0	760	2.20

SAE J517 100R6 / EN854 R6

TWO FIBER WIRE (NONMETALLIC), RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE:oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT:one layer or multiple layers of suitable fibre reinforced.
COVER:oil and weather resistant synthetic rubber
APPLICATION:petroleum base and water base hydraulic fluids
TEMPERATURE RANGE:-40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
R6 3/16"	5	3/16	03	4.2	5.4	4.8	5.4	10.3	11.9	10.9	11.9	3.5	35	510	14.0	50	0.13
R6 1/4"	6.3	1/4	04	5.6	7.2	6.1	6.9	11.9	13.5	12.5	13.5	2.8	28	410	11.2	65	0.15
R6 5/16"	8	5/16	05	7.2	8.8	7.7	8.4	13.5	15.1	14.1	15.1	2.8	28	410	11.2	75	0.18
R6 3/8"	10	3/8	06	8.7	10.3	9.5	10.3	15.1	16.7	15.7	16.7	2.8	28	410	11.2	75	0.20
R6 1/2"	12.5	1/2	08	11.9	13.5	12.6	13.4	19.0	20.6	19.4	20.4	2.8	28	410	11.2	100	0.26
R6 9/16"*	14	9/16	09	—	—	13.8	14.6	—	—	21.0	22.0	2.8	28	410	11.2	115	0.30
R6 5/8"	16	5/8	10	15.1	16.7	15.8	16.6	22.2	23.8	22.8	23.8	2.4	24	350	9.6	125	0.33
R6 3/4"	19	3/4	12	18.3	19.9	18.8	19.8	25.4	27.8	26.4	27.4	2.1	21	300	8.4	150	0.39
R6 7/8"*	22	7/8	14	—	—	21.8	22.8	—	—	29.7	30.7	2.1	21	300	8.4	205	0.46
R6 1"*	25	1	16	—	—	24.8	26.0	—	—	33.5	34.5	2.0	20	290	8.0	230	0.57
R6 1-1/8"*	29	1-1/8	18	—	—	28.6	29.8	—	—	37.4	38.6	2.0	20	290	8.0	245	0.77
R6 1-1/4"*	31.5	1-1/4	20	—	—	31.6	32.8	—	—	43.0	45.0	2.0	20	290	8.0	265	1.02
R6 1-3/8"*	35	1-3/8	22	—	—	34.6	35.8	—	—	46.0	48.0	1.8	18	260	7.2	300	1.12
R6 1-1/2"*	38	1-1/2	24	—	—	37.6	38.8	—	—	50.0	52.0	1.5	15	220	6.0	335	1.34
R6 1-3/4"*	45	1-3/4	28	—	—	44.6	45.8	—	—	55.0	57.0	1.5	15	220	6.0	420	1.21
R6 2"*	51	2	32	—	—	50.6	51.8	—	—	64.0	66.0	1.5	15	220	6.0	610	1.87
R6 2-1/2"*	64	2-1/2	40	—	—	63.6	65.8	—	—	78.0	80.0	1.5	15	220	6.0	840	2.58
R6 3"*	76	3	48	—	—	75.4	76.8	—	—	90.5	92.5	1.0	10	150	4.0	950	3.11

SAE J517 100R7

FIBRE BRAIDED THERMOPLASTIC HOSE





INNER TUBE:nylon
REINFORCEMENT:suitable synthetic fibre reinforcement
COVER:polyurethane
APPLICATION:engineering machine,machine tool, automobile, mining, air-condition refrigeration, food, chemical industry
TEMPERATURE RANGE: -40°C ~+100 °C
SAFELY RATIO:1:4

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D		O.D			Max. W.P.		Min B.P		Min B.R	W.T
				Standard (mm)		Standard (mm)	Lenflex (mm)							
Part No.	mm	Inches	Dash	Min	Max	Max	Min	Max	Bar	Psi	Bar	Psi	mm	Kg/m
One layer of fibre reinforced type														
R7 1F 1/8"	3.2	1/8	02	3.4	3.6	8.5	8.3	8.5	230	3340	920	13340	35	0.03
R7 1F 3/16"	5	3/16	03	4.6	5.4	11.4	10.2	10.4	210	3049	840	12180	35	0.07
R7 1F 1/4"	6.3	1/4	04	6.2	7.0	13.7	11.6	11.8	200	2904	800	11600	50	0.08
R7 1F 5/16"	8	5/16	05	7.7	8.5	15.6	14.2	14.4	190	2759	760	11020	50	0.13
R7 1F 3/8"	10	3/8	06	9.3	10.3	18.4	15.8	16.0	175	2541	700	10150	80	0.14
R7 1F 1/2"	12.5	1/2	08	12.3	13.5	22.5	19.7	19.9	140	2033	560	8120	100	0.20
Two layers of fibre reinfored type														
R7 2F 5/8"	16	5/8	10	15.5	16.7	25.8	23.5	23.8	160	2320	640	9280	165	0.30
R7 2F 3/4"	19	3/4	12	18.6	19.8	28.6	26.2	26.6	140	2030	560	8120	195	0.32
R7 2F 1"	25	1	16	25.0	26.4	36.7	34.2	34.4	105	1520	420	6090	256	0.45

ARAMID SAE J517 100R8

HIGH PRESSURE, ARAMID FIBRE REINFORCED THERMOPLASTIC HOSE





INNER TUBE:nylon
REINFORCEMENT: Aramid fibre reinforced: 1/8 and 3/16 is with one layer of aramid fibre, The sizes bigger than 1/4" is with two layers of aramid fibre.
COVER:polyurethane
APPLICATION:pressure test pipe of machine, aviation, spaceflight, high-pressure machine
TEMPERATURE RANGE: -40°C ~+100 °C
SAFELY RATIO :1:4

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D		O.D		Max W.P		Min B.P		Min B.R	W.T
				Standard (mm)		Standard (mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Bar	Psi	Bar	Psi	mm	Kg/m
R8A 1/8"	3.2	1/8	02	3.4	3.6	7.0	7.2	350	5082	1400	20328	30	0.04
R8A 3/16"	5	3/16	03	4.7	4.9	10.2	10.4	350	5082	1400	20328	35	0.07
R8A 1/4"	6.3	1/4	04	6.2	6.4	12.2	12.4	375	5445	1500	21780	40	0.09
R8A 5/16"	8	5/16	05	7.8	8.0	14.2	14.4	325	4719	1300	18876	45	0.12
R8A 3/8"	10	3/8	06	9.4	9.6	16.6	16.8	280	4066	1120	16262	60	0.15
R8A 1/2"	12.5	1/2	08	12.6	12.9	19.7	20.0	250	3630	1000	14520	80	0.21
R8A 5/8"	16	5/8	10	15.75	16.05	24.35	24.65	225	3267	900	13068	120	0.29
R8A 3/4"	19	3/4	12	18.8	19.1	27.9	28.2	175	2541	700	10164	140	0.35
R8A 1"	25	1	16	25.25	25.55	33.85	34.15	150	2178	600	8712	160	0.45

SUPER HIGH PRESSURE THERMOPLASTIC HOSE

SUPER HIGH PRESSURE STEEL WIRE + ARAMID FIBRE BRAIDING THERMOPLASTIC HOSE



INNER TUBE:nylon
REINFORCEMENT:steel and aramid fiber braided
COVER:polyurethane
APPLICATION:high-pressure machine
TEMPERATURE RANGE: -40°C ~+100 °C

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D Standard (mm)		O.D Standard (mm)		Max W.P		Min B.P		Min B.R	W.T
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Bar	Psi	Bar	Psi	mm	Kg/m
R8WA 1/4"	6	1/4	04	6.2	6.4	13.9	14.1	510	7390	1800	26100	40	0.22
R8WA 3/8"	10	3/8	06	9.4	9.6	17.9	18.1	465	6740	1700	24650	60	0.35
R8WA 1/2"	13	1/2	08	12.6	12.9	21.9	22.2	400	5800	1500	21750	75	0.50
R8WA 3/4"	19	3/4	12	18.7	19.1	28.0	28.4	250	3620	900	13050	150	0.66

SAE J517 100R12 / EN856 R12

HIGH IMPULSE, FOUR LAYERS SPIRAL STEEL WIRE REINFORCED RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: four layer of spiral steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +121°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)		Standard (mm)		(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
R12 3/8"	10	3/8	06	9.3	10.1	9.5	10.1	16.6	17.8	16.8	17.8	19.5	21.0	19.6	20.6	28.0	280	4060	112.0	125	0.70
R12 1/2"	12.5	1/2	08	12.3	13.5	12.5	13.1	19.9	21.5	20.1	21.1	23.0	24.6	23.0	24.0	28.0	280	4060	112.0	180	0.87
R12 5/8"	16	5/8	10	15.5	16.7	15.7	16.3	23.8	25.4	23.8	24.8	26.6	28.2	26.7	27.7	28.0	280	4060	112.0	200	1.11
R12 3/4"	19	3/4	12	18.6	19.8	18.7	19.4	26.9	28.4	27.3	28.3	29.9	31.5	30.1	31.1	28.0	280	4060	112.0	240	1.45
R12 1"	25	1	16	25.0	26.4	25.0	25.6	34.1	35.7	34.4	35.4	36.8	39.2	37.5	38.7	28.0	280	4060	112.0	300	2.06
R12 1-1/4"	31.5	1-1/4	20	31.4	33.0	31.6	32.6	42.7	45.1	43.1	44.1	45.4	48.6	46.2	47.4	21.0	210	3050	84.0	420	2.76
R12 1-1/2"	38	1-1/2	24	37.7	39.3	37.7	38.7	49.2	51.6	49.4	50.6	51.9	55.0	52.4	54.0	17.5	175	2540	70.0	500	3.20
R12 2"	51	2	32	50.4	52.0	50.6	51.6	62.5	64.8	63.2	64.4	65.1	68.3	66.2	67.8	17.5	175	2540	70.0	640	4.43

SAE J517 100R13 / EN856 R13

HIGH IMPULSE, MULTIPLE LAYERS SPIRAL STEEL WIRE REINFORCED RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



WRAPPED SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: multiple layers of spiral steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +121°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)		Standard (mm)		(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
R13 1/2"*	12.5	1/2	08	——	——	12.5	13.1	——	——	21.1	22.1	——	——	24.3	25.3	38.0	380	5510	152.0	205	0.96
R13 3/4"	19	3/4	12	18.6	19.8	18.7	19.4	28.2	29.8	28.2	29.2	31.0	33.2	31.1	32.1	35.0	350	5080	140.0	240	1.54
R13 1"	25	1	16	25.0	26.4	25.0	25.6	34.9	36.4	35.0	36.0	37.6	39.8	37.9	38.9	35.0	350	5080	140.0	300	2.16
R13 1-1/4"	31.5	1-1/4	20	31.4	33.0	31.6	32.6	45.6	48.0	45.8	47.0	48.3	51.3	49.0	50.2	35.0	350	5080	140.0	420	2.97
R13 1-1/2"	38	1-1/2	24	37.7	39.3	37.7	38.6	53.1	55.5	53.1	54.1	55.8	58.8	56.2	57.4	35.0	350	5080	140.0	500	4.93
R13 2"	51	2	32	50.4	52.0	50.6	51.6	66.9	69.3	67.2	68.2	69.5	72.7	70.7	71.9	35.0	350	5080	140.0	640	6.91

SAE J517 100R14

PTFE HOSE (TEFLON HOSE)



CORRUGATED INNER TUBE



SMOOTH INNER TUBE

INNER TUBE:PTFE
COVER:stainless steel wire braided
APPLICATION:food industry, high and low temperature fluids, chemical industry,compressor discharge etc.
TEMPERATURE RANGE:-73°C ~ +260°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D	O.D	Max W.P			Min B.P	Min B.R	W.T
				Standard	Standard						
Part No.	mm	Inches	Dash	mm	mm	Mpa	Bar	Psi	Mpa	mm	Kg/m
R14 1/8"	3	1/8	02	3.5	6.6	11.0	105	1522	82.7	40	0.07
R14 3/16"	5	3/16	03	4.8	7.9	11.0	105	1522	68.9	50	0.10
R14 1/4"	6.3	1/4	04	6.4	9.5	11.0	105	1522	62.0	75	0.12
R14 5/16"	8	5/16	05	8.0	11.1	11.0	105	1522	55.2	100	0.16
R14 3/8"	10	3/8	06	9.5	12.6	11.0	105	1522	48.3	125	0.17
R14 1/2"	12.5	1/2	08	12.9	16.1	6.0	56	812	41.4	165	0.24
R14 5/8"	16	5/8	10	16.2	19.7	6.0	56	812	34.5	200	0.28
R14 3/4"	19	3/4	12	19.0	23.6	6.0	56	812	27.6	230	0.33
R14 7/8"	22	7/8	14	22.3	26.4	6.0	56	812	24.1	230	0.39
R14 1"	25	1	16	25.5	29.6	6.0	56	812	24.1	300	0.46

SAE J517 100R15

HEAVY DUTY, HIGH IMPULSE, MULTIPLE LAYERS SPIRAL STEEL WIRE REINFORCED, RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



WRAPPED SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: multiple layers of spiral steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +121°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D			O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)	(mm)		Standard (mm)	(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
R15 3/8"	10	3/8	06	9.3	10.1	9.5	10.1	20.3	18.6	19.6	23.3	21.0	22.0	42.0	420	6090	168.0	150	0.80
R15 1/2"	12.5	1/2	08	12.3	13.5	12.6	13.2	24.0	22.5	23.5	26.8	24.5	25.5	42.0	420	6090	168.0	200	1.03
R15 3/4"	19	3/4	12	18.6	19.8	18.8	19.4	32.9	28.5	29.5	36.1	31.0	32.0	42.0	420	6090	168.0	265	1.63
R15 1"	25	1	16	25.0	26.4	25.0	25.6	38.9	35.0	36.6	42.9	37.6	38.8	42.0	420	6090	168.0	330	2.18
R15 1-1/4"	31.5	1-1/4	20	31.4	33.0	31.7	32.5	48.4	45.4	46.6	51.5	48.0	49.2	42.0	420	6090	168.0	445	3.81
R15 1-1/2"	38	1-1/2	24	37.7	39.3	37.7	38.5	56.3	53.4	54.6	59.6	56.2	57.4	42.0	420	6090	168.0	530	5.23

SAE J517 100R16

COMPACT, HIGH IMPULSE, TWO LAYERS STEEL WIRE REINFORCED RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: two layers of steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D			O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)	(mm)		Standard (mm)	(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
R16 1/4"	6.3	1/4	04	6.2	7.0	6.2	6.8	12.3	11.2	12.3	14.5	13.4	14.4	35.0	350	5075	140.0	50	0.32
R16 5/16"	8	5/16	05	7.7	8.5	7.8	8.4	13.3	12.3	13.3	15.7	14.7	15.7	29.7	297	4307	119.0	55	0.34
R16 3/8"	10	3/8	06	9.3	10.1	9.5	10.1	15.9	14.9	15.9	18.8	17.2	18.4	28.0	280	4060	112.0	65	0.47
R16 1/2"	12.5	1/2	08	12.3	13.5	12.5	13.1	19.0	18.0	19.0	22.0	20.2	21.4	24.5	245	3553	98.0	90	0.57
R16 5/8"	16	5/8	10	15.5	16.7	15.8	16.4	22.6	21.4	22.6	25.4	23.7	24.9	19.2	192	2784	77.0	100	0.71
R16 3/4"	19	3/4	12	18.6	19.8	18.8	19.4	26.3	24.9	26.1	29.0	27.0	28.4	15.7	157	2277	63.0	120	0.89
R16 1"	25	1	16	25.0	26.4	25.0	25.6	34.0	32.0	33.4	36.6	34.4	36.0	14.0	140	2030	56.0	150	1.21
R16 1-1/4"	32	1-1/4	20	31.4	33.0	31.8	32.6	41.9	39.8	41.4	44.3	42.6	44.2	11.3	113	1639	45.0	210	1.62

SAE J517 100R17

COMPACT, 21Mpa Max W.P. ONE OR TWO LAYERS STEEL WIRE REINFORCED RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: one or two layers of steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D			O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)	(mm)		Standard (mm)	(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
R17 3/16"	5	3/16	03	4.6	5.4	4.7	5.3	10.1	8.8	9.6	11.6	10.6	11.6	21.0	210	3045	84.0	45	0.18
R17 1/4"	6.3	1/4	04	6.2	7.0	6.2	6.8	11.0	10.0	11.0	13.2	12.2	13.2	21.0	210	3045	84.0	50	0.21
R17 5/16"	8	5/16	05	7.7	8.5	7.8	8.4	13.0	11.7	12.7	15.0	13.8	15.0	21.0	210	3045	84.0	55	0.25
R17 3/8"	10	3/8	06	9.3	10.1	9.5	10.1	15.0	13.9	14.9	17.0	15.6	16.6	21.0	210	3045	84.0	65	0.29
R17 1/2"	12.5	1/2	08	12.3	13.5	12.5	13.1	18.8	17.8	18.8	21.1	20.0	21.0	21.0	210	3045	84.0	90	0.55
R17 5/8"	16	5/8	10	15.5	16.7	15.8	16.4	23.6	21.8	23.0	25.9	24.0	25.2	21.0	210	3045	84.0	100	0.74
R17 3/4"	19	3/4	12	18.6	19.8	18.8	19.4	27.7	25.0	26.2	30.3	27.1	28.3	21.0	210	3045	84.0	120	0.91
R17 1"	25	1	16	25.0	26.4	25.0	25.6	35.6	32.4	33.6	38.6	34.8	36.0	21.0	210	3045	84.0	150	1.28

EN856 4SP

FOUR LAYERS STEEL WIRE SPIRAL HIGH PRESSURE HYDRAULIC HOSE



WRAPPED SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: four layer of spiral steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)		Standard (mm)		Rubber of thin surface (mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
4SP 1/4"	6.3	1/4	04	6.2	7.0	**6.2**	**6.8**	14.1	15.3	**14.3**	**15.3**	17.1	18.7	**16.5**	**17.5**	45.0	**450**	6530	180	150	0.60
4SP 3/8"	10	3/8	06	9.3	10.1	**9.5**	**10.1**	16.9	18.1	**17.0**	**18.0**	20.6	22.2	**19.6**	**20.4**	44.5	**445**	6450	178	180	0.74
4SP 1/2"	12.5	1/2	08	12.3	13.5	**12.6**	**13.2**	19.4	21.0	**20.0**	**21.0**	23.8	25.4	**22.7**	**23.5**	41.5	**415**	6020	166	230	0.90
4SP 5/8"	16	5/8	10	15.5	16.7	**15.8**	**16.4**	23.0	24.6	**23.1**	**24.1**	27.4	29.0	**25.7**	**26.5**	35.0	**350**	5080	140	250	1.04
4SP 3/4"	19	3/4	12	18.6	19.8	**18.8**	**19.4**	27.4	29.0	**27.4**	**28.4**	31.4	33.0	**29.8**	**30.8**	35.0	**350**	5080	140	300	1.44
4SP 1"	25	1	16	25.0	26.4	**25.0**	**25.8**	34.5	36.1	**34.5**	**35.5**	38.5	40.9	**36.8**	**37.8**	28.0	**280**	4060	112	340	2.03
4SP 1-1/4"	31.5	1-1/4	20	31.4	33.0	**31.7**	**32.5**	45.0	47.0	**45.0**	**46.0**	49.2	52.4	**47.8**	**48.8**	21.0	**210**	3050	84	460	3.01
4SP 1-1/2"	38	1-1/2	24	37.7	39.3	**37.7**	**38.5**	51.4	53.4	**51.4**	**52.4**	55.6	58.8	**54.0**	**55.2**	18.5	**185**	2680	74	560	3.50
4SP 2"	51	2	32	50.4	52.0	**50.5**	**51.5**	64.3	66.3	**64.3**	**65.3**	68.2	71.4	**67.0**	**68.2**	16.5	**165**	2390	66	660	4.67

EN856 4SH

FOUR LAYERS STEEL WIRE SPIRAL EXTRA HIGH PRESSURE HYDRAULIC HOSE



WRAPPED SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: four layer of spiral steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				W.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)		Standard (mm)		Rubber of thin surface (mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
4SH 5/8"*	16	5/8	10	——	——	15.8	16.4	——	——	24.0	25.0	——	——	26.8	27.8	45.0	450	6530	180.0	250	1.26
4SH 3/4"	19	3/4	12	18.6	19.8	18.8	19.4	27.6	29.2	27.8	28.8	31.4	33.0	30.3	31.3	42.0	420	6090	168.0	280	1.60
4SH 1"	25	1	16	25.0	26.4	25.0	25.6	34.4	36.0	34.6	35.6	37.5	39.9	37.0	38.0	38.0	380	5510	152.0	340	2.12
4SH 1-1/4"	31.5	1-1/4	20	31.4	33.0	31.8	32.6	40.9	42.9	41.8	42.8	43.9	47.1	44.4	45.6	32.5	325	4710	130.0	460	2.64
4SH 1-1/2"	38	1-1/2	24	37.7	39.3	37.8	38.6	47.8	49.8	47.8	48.8	51.9	55.1	50.4	51.6	29.0	290	4210	116.0	560	3.06
4SH 2"	51	2	32	50.4	52.0	50.8	51.6	62.2	64.2	62.2	63.4	66.5	69.7	64.9	66.3	25.0	250	3630	100.0	700	4.67

ISO 18752 L3000

3000PSI

STEEL WIRE REINFORCED CONSTANT PRESSURE 3000PSI HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNE TUBE: Anti-oil synthetic rubber tube
REINFORCEMENT: One or two braiding layers of steel wire reinforced
COVER: Anti-weather, anti-abrasion synthetic rubber cover
IMPULSE TEST: AC 200,000 CIRCLES; BC 500,000 CIRCLES.
APPLICATION: Agriculture Equipment, Contruction equipment, Hydraulic, Forestry,Material Handling, Transportation.
TEMPERATURE RANGE: -40℃~+100℃

Type	Metric Size	Inch Size	Dash Size	I.D				W.D		O.D			Max W.P			Min B.P	W.T
				Standard (mm)		(mm)		(mm)		Standard (mm)	(mm)						
Part No.	mm	Inches	Dash	Min	Max	**Min**	**Max**	**Min**	**Max**	Max	**Min**	**Max**	Mpa	**Bar**	Psi	Mpa	Kg/m
AC 3/16"	5	3/16	03	4.6	5.4	**4.7**	**5.3**	**8.6**	**9.6**	11.0	**10.4**	**11.4**	21.0	**210**	3050	84.0	0.15
AC 1/4"	6.3	1/4	04	6.1	7.0	**6.1**	**6.7**	**11.0**	**12.0**	14.0	**13.0**	**14.0**	21.0	**210**	3050	84.0	0.23
AC 5/16"	8	5/16	05	7.7	8.5	**7.8**	**8.4**	**12.7**	**13.7**	16.0	**14.7**	**15.7**	21.0	**210**	3050	84.0	0.28
BC 3/8"	10	3/8	06	9.3	10.1	**9.3**	**9.9**	**15.8**	**16.8**	19.0	**17.8**	**18.8**	21.0	**210**	3050	84.0	0.47
BC 1/2"	12.5	1/2	08	12.3	13.5	**12.4**	**13.0**	**19.2**	**20.2**	22.0	**21.2**	**22.2**	21.0	**210**	3050	84.0	0.6
BC 5/8"	16	5/8	10	15.5	16.7	**15.7**	**16.3**	**22.2**	**23.2**	25.0	**24.2**	**25.2**	21.0	**210**	3050	84.0	0.73
BC 3/4"	19	3/4	12	18.6	19.8	**18.9**	**19.5**	**25.8**	**26.8**	31.0	**27.9**	**28.9**	21.0	**210**	3050	84.0	0.89
BC 1"	25	1	16	25.0	26.4	**25.0**	**25.6**	**33.6**	**34.6**	39.0	**36.0**	**37.0**	21.0	**210**	3050	84.0	1.58

ISO 18752 L5000

5000PSI

STEEL WIRE SPIRAL REINFORCED CONSTANT PRESSURE 5000PSI HYDRAULIC HOSE



WRAPPED SURFACE



WRAPPED SURFACE

INNE TUBE: Anti-high temperature synthetic rubber tube
REINFORCEMENT: Four or Six-layers high tensile steel wire reinforced
COVER: Anti-weather, anti-abrasion synthetic rubber cover
IMPULSE TEST: 500,000+ CIRCLES
APPLICATION: Agriculture Equipment, Contruction equipment, Forestry,Hydraulic, industrial, Oilfiled.
TEMPERATURE RANGE: -40℃~+120℃

Type	Metric Size	Inch Size	Dash Size	I.D				W.D		O.D			Max W.P			Min B.P	W.T
				Standard (mm)		(mm)		(mm)		Standard (mm)	(mm)						
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	Kg/m
CC 3/8"	10	3/8	06	9.3	10.1	9.3	10.1	17.6	18.6	21.0	19.6	20.6	35.0	350	5080	140.0	0.69
CC 1/2"	12.5	1/2	08	12.3	13.5	12.7	13.3	20.4	21.4	25.0	22.4	23.4	35.0	350	5080	140.0	0.82
CC 5/8"	16	5/8	10	15.5	16.7	15.7	16.3	23.8	24.8	28.0	25.8	26.8	35.0	350	5080	140.0	1.03
CC 3/4"	19	3/4	12	18.6	19.8	18.9	19.5	28.0	29.0	36.0	30.2	31.2	35.0	350	5080	140.0	1.43
CC 1"	25	1	16	25.0	26.4	25.0	25.6	34.7	35.7	45.0	37.1	38.1	35.0	350	5080	140.0	1.95
CC 1-1/4"	31.5	1-1/4	20	31.4	33.0	31.7	32.7	45.4	46.4	52.0	48.2	49.2	35.0	350	5080	140.0	3.49
CC 1-1/2"	38	1-1/2	24	37.7	39.3	37.8	38.8	53.2	54.2	59.0	56.2	57.2	35.0	350	5080	140.0	4.54
CC 2"	51	2	32	50.4	52.0	50.8	51.8	67.6	68.6	73.0	70.6	71.6	35.0	350	5080	140.0	6.65
CC 2-1/2"	63	2-1/2	40	63.1	65.1	63.8	64.8	81.0	82.0	90.0	85.0	86.0	35.0	350	5080	140.0	8.89

ISO 18752 L6000

6000PSI

SUPER STRONG STEEL WIRE SPIRAL REINFORCED CONSTANT PRESSURE 6000PSI HYDRAULIC HOSE



WRAPPED SURFACE



WRAPPED SURFACE

INNE TUBE: Anti-high temperature synthetic rubber tube
REINFORCEMENT: Four or Six-layers high tensile steel wire reinforced
COVER: Anti-weather, anti-abrasion synthetic rubber cover
IMPULSE TEST: 1,000,000+ CIRCLES
APPLICATION: Agriculture Equipment, Contruction equipment, Forestry,Hydraulic, industrial, Oilfiled.
TEMPERATURE RANGE: -40℃~+120℃

Type	Metric Size	Inch Size	Dash Size	I.D				W.D		O.D			Max W.P			Min B.P	W.T
				Standard (mm)		(mm)		(mm)		Standard (mm)	(mm)						
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	Kg/m
DC 3/8"	10	3/8"	6	9.3	10.1	9.3	10.1	17.6	18.6	22.0	19.6	20.6	42.0	420	6100	168.0	0.69
DC 1/2"	12.5	1/2"	8	12.3	13.5	12.7	13.3	20.6	21.6	24.0	22.6	23.6	42.0	420	6100	168.0	0.89
DC 5/8"	16	5/8"	10	15.5	16.7	15.7	16.3	25.0	26.0	34.0	27.0	28.0	42.0	420	6100	168.0	1.24
DC 3/4"	19	3/4"	12	18.6	19.8	18.9	19.5	28.0	29.0	46.0	30.2	31.2	42.0	420	6100	168.0	1.43
DC 1"	25	1"	16	25.0	26.4	25.0	25.6	34.7	35.7	50.0	37.1	38.1	42.0	420	6100	168.0	2.02
DC 1"1/4	31.5	1"1/4	20	31.4	33.0	31.7	32.7	45.4	46.4	56.0	48.2	49.2	42.0	420	6100	168.0	3.54
DC 1"1/2	38	1"1/2	24	37.7	39.3	37.8	38.8	53.2	54.2	72.0	56.2	57.2	42.0	420	6100	168.0	5
DC 2"	63	2"	32	50.4	52.0	50.8	51.8	67.6	68.6	77.0	71.0	72.0	42.0	420	6100	168.0	7.15

EN854 1TE

LOW PRESSURE, TEXTILE REINFORCED RUBBER HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: one layer textile yarn braided.
COVER: oil and weather resistant synthetic rubber
APPLICATION: hydraulic fluids in accordance with ISO 6743-4 with the exception of HRD R, HFD S and HFD T
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)							
Part No.	mm	Inches	Dash	Min	Max	**Min**	**Max**	Min	Max	**Min**	**Max**	Mpa	**Bar**	Psi	Mpa	mm	Kg/m
1TE 3/16"	5	3/16	03	4.4	5.2	**4.6**	**5.2**	10.0	11.6	**10.8**	**11.6**	2.5	**25**	360	10.0	35	0.12
1TE 1/4"	6.3	1/4	04	5.9	6.9	**6.1**	**6.7**	11.6	13.2	**12.1**	**12.9**	2.5	**25**	360	10.0	45	0.13
1TE 5/16"	8	5/16	05	7.4	8.4	**7.8**	**8.4**	13.1	14.7	**13.7**	**14.5**	2.0	**20**	290	8.0	65	0.16
1TE 3/8"	10	3/8	06	9.0	10.0	**9.4**	**10.0**	14.7	16.3	**15.3**	**16.1**	2.0	**20**	290	8.0	75	0.18
1TE 1/2"	12.5	1/2	08	12.1	13.3	**12.7**	**13.3**	17.7	19.7	**18.6**	**19.4**	1.6	**16**	230	6.4	90	0.23
1TE 5/8"	16	5/8	10	15.3	16.5	**15.8**	**16.4**	21.9	23.9	**22.6**	**23.4**	1.6	**16**	230	6.4	115	0.30

EN854 2TE

MEDIUM PRESSURE, TEXTILE REINFORCED HYDRAULIC RUBBER HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: one layer or two layers of suitable textile yarn braided.
COVER: oil and weather resistant synthetic rubber
APPLICATION: hydraulic fluids in accordance with ISO 6743-4 with the exception of HRD R, HFD S and HFD T
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
2TE 3/16"	5	3/16	03	4.4	5.2	4.6	5.2	11.0	12.6	11.3	12.3	8.0	80	1160	32.0	25	0.13
2TE 1/4"	6.3	1/4	04	5.9	6.9	6.1	6.7	12.6	14.2	12.9	13.9	7.5	75	1090	30.0	40	0.16
2TE 5/16"	8	5/16	05	7.4	8.4	7.8	8.4	14.1	15.7	14.7	15.7	6.8	68	990	27.2	50	0.18
2TE 3/8"	10	3/8	06	9.0	10.0	9.4	10.0	15.7	17.3	16.2	17.2	6.3	63	910	25.2	60	0.21
2TE 1/2"	12.5	1/2	08	12.1	13.3	12.7	13.3	18.7	20.7	19.4	20.4	5.8	58	840	23.2	70	0.27
2TE 5/8"	16	5/8	10	15.3	16.5	15.8	16.4	22.9	24.9	23.3	24.3	5.0	50	730	20.0	90	0.34
2TE 3/4"	19	3/4	12	18.2	19.8	18.7	19.5	26.0	28.0	26.5	27.5	4.5	45	650	18.0	110	0.41
2TE 1"	25	1	16	24.6	26.2	25.0	25.8	32.9	35.9	33.3	34.3	4.0	40	580	16.0	150	0.58
2TE 1-1/4"*	31.5	1-1/4	20	—	—	31.8	32.6	—	—	40.0	42.0	3.0	30	440	12.0	190	0.69

EN854 3TE

HIGH PRESSURE, TEXTILE REINFORCED HYDRAULIC RUBBER HOSE



SMOOTH SURFACE



WRAPPED SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: two layers or multiple layers of suitable textile yarn braided.
COVER: oil and weather resistant synthetic rubber
APPLICATION: hydraulic fluids in accordance with ISO 6743-4 with the exception of HRD R, HFD S and HFD T
TEMPERATURE RANGE: -40°C ~ +100°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D				O.D				Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)							
Part No.	mm	Inches	Dash	Min	Max	**Min**	**Max**	Min	Max	**Min**	**Max**	Mpa	**Bar**	Psi	Mpa	mm	Kg/m
3TE 3/16"	5	3/16	03	4.4	5.2	**4.6**	**5.2**	12.0	13.6	**12.5**	**13.3**	16.0	**160**	2320	64.0	40	0.17
3TE 1/4"	6.3	1/4	04	5.9	6.9	**6.1**	**6.7**	13.6	15.2	**14.0**	**14.8**	14.5	**145**	2100	58.0	45	0.20
3TE 5/16"	8	5/16	05	7.4	8.4	**7.8**	**8.4**	16.1	17.7	**16.5**	**17.3**	13.0	**130**	1890	52.0	55	0.24
3TE 3/8"	10	3/8	06	9.0	10.0	**9.4**	**10.0**	17.7	19.3	**18.1**	**18.9**	11.0	**110**	1600	44.0	70	0.28
3TE 1/2"	12.5	1/2	08	12.1	13.3	**12.7**	**13.3**	20.7	22.7	**21.4**	**22.3**	9.3	**93**	1350	37.2	85	0.43
3TE 5/8"	16	5/8	10	15.3	16.5	**15.8**	**16.4**	24.9	26.9	**25.5**	**26.3**	8.0	**80**	1160	32.0	105	0.47
3TE 3/4"	19	3/4	12	18.2	19.8	**18.7**	**19.5**	28.0	30.0	**28.5**	**29.5**	7.0	**70**	1020	28.0	130	0.54
3TE 1"	25	1	16	24.6	26.2	**25.0**	**25.8**	34.4	37.4	**35.4**	**36.4**	5.5	**55**	800	22.0	150	0.72
3TE 1-1/4"	31.5	1-1/4	20	30.8	32.8	**31.8**	**32.6**	40.8	43.8	**42.2**	**43.4**	4.5	**45**	650	18.0	190	0.88
3TE 1-1/2"	38	1-1/2	24	37.1	39.1	**37.8**	**38.6**	47.6	51.6	**48.9**	**50.1**	4.0	**40**	580	16.0	240	1.07
3TE 2"	51	2	32	49.8	51.8	**50.8**	**51.6**	60.3	64.3	**61.9**	**63.1**	3.3	**33**	480	13.2	300	1.36

HIGH PRESSURE THERMOPLASTIC HOSE

HIGH PRESSURE, WIRE BRAIDED THERMOPLASTIC HOSE





INNER TUBE:nylon
REINFORCEMENT:one wire braided or several wires braided reinforced type.
COVER:polyurethane
APPLICATION:engineering machine, shipping, aviation spaceflight, spray-paint
TEMPERATURE RANGE: -40°C ~+100 °C

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D		O.D		Max W.P		Min B.P		Min B.R	W.T
				Standard (mm)		Standard (mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Bar	Psi	Bar	Psi	mm	Kg/m
One wire braided thermoplastic hose													
R7 1W 5/32"	4	5/32	2.5	3.9	4.1	8.9	9.1	380	5518	1520	22040	30	0.10
R7 1W 3/16"	4.8	3/16	03	4.7	4.9	9.7	9.9	350	5082	1400	20300	30	0.13
R7 1W 1/4"	6	1/4	04	6.2	6.4	12.6	12.8	275	3993	1100	15950	40	0.18
R7 1W 5/16"	8	5/16	05	7.8	8.0	14.2	14.4	250	3630	1000	14500	55	0.22
R7 1W 3/8"	10	3/8	06	9.4	9.7	15.8	16.1	225	3267	900	13050	65	0.24
R7 1W 1/2"	13	1/2	08	12.6	12.9	19.7	20.0	175	2541	700	10150	85	0.31
R7 1W 5/8"	16	5/8	10	15.7	16.1	23.1	23.5	140	2033	560	8120	115	0.41
R7 1W 3/4"	19	3/4	12	18.7	19.1	26.3	26.7	120	1742	480	6960	140	0.50
R7 1W 1"	25	1	16	25.2	25.6	33.8	34.2	100	1452	400	5800	180	0.65
Two wire braided thermoplastic hose													
R7 2W 1/4"	6	1/4	04	6.2	6.4	13.2	13.4	350	5082	1400	20300	40	0.29
R7 2W 5/16"	8	5/16	05	7.8	8.0	14.8	15.0	325	4719	1300	18850	50	0.34
R7 2W 3/8"	10	3/8	06	9.4	9.7	16.6	16.8	290	4211	1160	16820	70	0.40
R7 2W 1/2"	13	1/2	08	12.6	12.9	19.7	20.0	260	3775	1050	15225	80	0.56
R7 2W 5/8"	16	5/8	10	15.7	16.1	23.15	23.45	200	2904	800	11600	130	0.63
R7 2W 3/4"	19	3/4	12	18.7	19.1	25.8	26.2	175	2541	700	10150	160	0.75
R7 2W 1"	25	1	16	25.2	25.6	32.8	33.2	120	1742	480	6960	220	1.00

SUPER HIGH PRESSURE THERMOPLASTIC HOSE

10000PSI

10000PSI SUPER HIGH PRESSURE THERMOPLASTIC HOSE



INNER TUBE:nylon
REINFORCEMENT:two layers wire and one layer aramid fibre braided
COVER:polyurethane
APPLICATION:high-pressure machine
TEMPERATURE RANGE: -40°C ~+100 °C

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D Standard (mm)		O.D Standard (mm)		Max W.P		Min B.P		Min B.R	W.T
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Bar	Psi	Bar	Psi	mm	Kg/m
2WA10K 1/4"	6	1/4	04	6.2	6.4	14.9	15.1	700	10000	2600	37700	110	0.26
2WA10K 5/16"	8	5/16	05	7.7	8.1	16.8	17.2	700	10000	2600	37700	130	0.31
2WA10K 3/8"	10	3/8	06	9.3	9.7	18.8	19.2	700	10000	2600	37700	150	0.38
2WA10K 1/2"	13	1/2	08	12.5	12.9	21.8	22.2	700	10000	2600	37700	200	0.57

SUPER HIGH PRESSURE THERMOPLASTIC HOSE

14500PSI

14500PSI SUPER HIGH PRESSURE THERMOPLASTIC HOSE

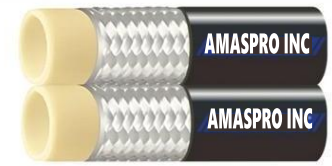


INNER TUBE:nylon
REINFORCEMENT:two layer wires and one layer aramid fibre braided
COVER:polyurethane
APPLICATION:high-pressure machine
TEMPERATURE RANGE: -40°C ~+100 °C

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D		O.D		Max W.P		Min B.P		Min B.R	W.T
				Standard (mm)		Standard (mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Bar	Psi	Bar	Psi	mm	Kg/m
WA14K5 1/4"	6	1/4	04	6.1	6.5	17.8	18.2	1000	14500	3500	50000	150	0.30
WA14K5 5/16"	8	5/16	05	7.7	8.1	18.8	19.2	1000	14500	3500	50000	170	0.37
WA14K5 3/8"	10	3/8	06	9.3	9.7	19.8	20.2	1000	14500	3500	50000	200	0.52
WA14K5 1/2"	13	1/2	08	12.5	12.9	25.8	26.2	1000	14500	3500	50000	260	0.64

SUPER HIGH PRESSURE THERMOPLASTIC HOSE

HIGH PRESSURE, TWIN THERMOPLASTIC HOSE (FIBRE BRAIDED)

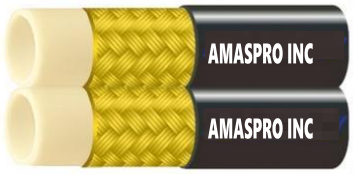


INNER TUBE: nylon
REINFORCEMENT: a single fibre braided
COVER: polyurethane
APPLICATION: high-pressure machine
TEMPERATURE RANGE: -40°C ~+100 °C

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D Standard (mm)		O.D Standard (mm)		Max W.P		Min B.P		Min B.R	W.T
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Bar	Psi	Bar	Psi	mm	Kg/m
TWR7 1F 1/4"	6	1/4	04	6.2	6.4	12.6	12.8	250	3625	1000	14500	50	0.22
TWR7 1F 5/16"	8	5/16	05	7.8	8.0	14.2	14.4	210	3045	800	11600	50	0.25
TWR7 1F 3/8"	10	3/8	06	9.4	9.6	15.8	16.0	175	2540	700	10150	80	0.28
TWR7 1F 3/8"	10	3/8	06	9.4	9.7	17.9	18.2	250	3625	1000	14500	100	0.42
TWR7 1F 1/2"	13	1/2	08	12.6	12.9	19.7	20.0	160	2320	650	9430	100	0.40

HIGH PRESSURE THERMOPLASTIC HOSE

HIGH PRESSURE, TWIN THERMOPLASTIC HOSE (WIRE BRAIDED)



INNER TUBE:nylon
REINFORCEMENT:a single wire braided
COVER:polyurethane
APPLICATION:high-pressure machine
TEMPERATURE RANGE: -40°C ~+100 °C

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D Standard (mm)		O.D Standard (mm)		Max W.P		Min B.P		Min B.R	W.T
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Bar	Psi	Bar	Psi	mm	Kg/m
TWR7 1W 1/4"	6	1/4	04	6.2	6.4	12.6	12.8	275	3990	1100	15950	40	0.36
TWR7 1W 5/16"	8	5/16	05	7.8	8.0	14.2	14.4	250	3625	1000	14500	40	0.43
TWR7 1W 3/8"	10	3/8	06	9.4	9.6	15.8	16.0	225	3260	900	13050	50	0.48
TWR7 1W 1/2"	13	1/2	08	12.6	12.9	19.7	20.0	185	2680	700	10100	70	0.62

HOSE FOR VEHICLE

BRAKE OIL PIPE FOR MODIFIED CARS (CARS AND MOTORCYCLES)





INNER TUBE:imported modified PTFE pipe
REINFORCEMENT:304 stainless steel wire
COVER:TPU
CHARACTERISTIC: resistant to vibration, penetration, creep, high temperature, ultra-low expansion, high pressure resistance (burst pressure ≥ 90MPa), high brake sensitivity, low thermal attenuation
TEMPERATURE RANGE:-73°C ~+180°C

Type	Metric SIZE	Inch SIZE	SAE Dash Size	I.D	O.D	Max W.P			Min B.P
				常规值 Lenflex	常规值 Lenflex				
Part No.	mm	Inch	Desh	mm	mm	Mpa	Bar	Psi	Bar
1/8"	3	1/8"	02	3.4	7.5	22.5	225	3260	900

HOSE FOR VEHICLE

OIL PIPE FOR NITROGEN SHOCK ABSORBER ON OFFROAD VEHICLE



INNER TUBE:imported modified PTFE pipe
REINFORCEMENT:304 stainless steel wire
COVER:TPU

CHARACTERISTIC: vibration resistance, permeability resistance, creep resistance, high temperature resistance, ultra-low expansion, high pressure resistance (burst pressure ≥ 45MPa), low resistance, low thermal attenuation
TEMPERATURE RANGE:-73°C ~+180°C

Type	Metric SIZE	Inch SIZE	SAE Dash Size	I.D	O.D	Max W.P			Min B.P
Part No.	mm	Inch	Desh	mm	mm	Mpa	Bar	Psi	Bar
3/8"	10	3/8	06	9.5	14.0	11.2	112	1620	450

SS304 WIRE BRAIDED CORRUGATED HOSE (HIGH-TEMPERATURE FORMING) – THE HOSE FOR AIR PUMP OF TRUCK.



INNER TUBE: corrugated PTFE inner tube
REINFORCEMENT: 304 stainless steel wire
CHARACTERISTIC: high-temperature forming process, suitable for high temperature application, can be used long time under 250°C .
TEMPERATURE RANGE: -73°C ~+250°C

Type	Metric SIZE	Inch SIZE	SAE Dash Size	I.D	O.D	Max W.P			Min B.P	Min B.R
Part No.	mm	Inch	Desh	mm	mm	Mpa	Bar	Psi	Bar	mm
1/2"	12.5	1/2	08	12.5	19.0	10.0	100	1452	400	95
5/8"	16	5/8	10	15.5	22.5	8.8	87.5	1271	350	110

SAE J2064 R134A AUTOMOTIVE AC HOSE

R134a

AUTOMOTIVE AIR CONDITIONING HOSE



SMOOTH SURFACE

HOSE STRUCTURE: smooth seamless synthetic rubber inner tube+ Nylon Alloy layer+synthetic rubber layer+PET layer+Smooth black anti- weather synthetic outer cover.
APPLICATION: the product is applied to automotive air-conditioning system or other refrigerating system. The rubber hose has reliable ability to withstand pressure and good resistance against the corrosion of R-134a refrigerant. It is suitable to delivery for R-134a refrigerant.
APPLICABLE STANDARDS: rubber hose is accord to Standard SAE J2064

Type	Metric Size	Inch Size	I.D (mm)		O.D (mm)		Max W.P			Min B.P	Min B.R	Note
Part No.	mm	Inches	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	
A10 5/16"	8	5/16	7.8	8.6	15.0	15.8	3.5	35	510	24.0	55	90011+F
A10 13/32"	10	13/32	9.8	10.6	16.8	17.6	3.5	35	510	24.0	75	90011+F
A10 1/2"	13	1/2	12.8	13.6	20.4	21.2	3.5	35	510	23.0	75	90011+F
A10 5/8"	16	5/8	15.6	16.4	23.1	23.9	3.5	35	510	22.0	85	90011+F

Recommended Ferrule and fitting (Aluminum alloy)



Part No.	Size(mm)	Description
FITTINGS (AL)		
90011-05(AL)	φ8	D size=8mm
90011-06(AL)	φ10	D size=10mm
90011-08(AL)	φ13	D size=13mm
90011-10(AL)	φ16	D size=16mm
FERRULES (AL)		
Ferrule-03(AL)		Ferrules, I.D: 16mm
Ferrule-04(AL)		Ferrules, I.D: 19mm
Ferrule-05(AL)		Ferrules, I.D: 22mm
Ferrule-06(AL)		Ferrules, I.D: 24mm

PILOT HOSE (REFER TO 1SC)

(PILOT HOSE) STEEL WIRE REINFORCED, RUBBER COVERED HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE:oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT:one layer of high-tensile steel wire braided
COVER:oil and weather resistant synthetic rubber
APPLICATION:petroleum base and water base hydraulic fluids
TEMPERATURE RANGE:-40°C ~ +100°C

EXCEED EN857 1SC, SUPPER LIGHTER AND PERFECT FLEXIBILITY

Type	Metric SIZE	Inch SIZE	SAE Dash Size	I.D				W.D				O.D			Max W.P			Min B.P	Min B.R	W.T
				Standard (mm)		(mm)		Standard (mm)		(mm)		Standard (mm)	(mm)							
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Min	Max	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
PLS 3/16"	5	3/16	03	4.6	5.4	4.7	5.3	8.0	9.0	8.2	8.8	12.0	10.0	10.8	10.0	100	1450	40.0	20	0.15
PLS 1/4"	6.3	1/4	04	6.1	6.9	6.1	6.5	9.0	10.0	9.2	9.8	13.5	11.0	11.8	10.0	100	1450	40.0	25	0.16
PLS 5/16"	8	5/16	05	7.7	8.5	7.7	8.3	10.9	12.1	11.0	11.6	14.5	12.7	13.5	10.0	100	1450	40.0	30	0.19
PLS 3/8"	10	3/8	06	9.3	10.1	9.3	9.9	12.7	14.5	12.7	13.3	16.9	14.5	15.3	10.0	100	1450	40.0	40	0.22
PLS 1/2"	12.5	1/2	08	12.3	13.5	12.7	13.3	15.9	18.1	16.0	16.6	20.4	17.5	18.3	10.0	100	1450	40.0	50	0.29

LSB (Q / LDJG 03-2017)

FOUR LAYERS OF FINE WIRES SPIRAL MEDIUM PRESSURE WITH PERFECT FLEXIBILITY HYDRAULIC HOSE



WRAPPED SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: four layers of spiral ultra-soft fine wire reinforced
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids

TEMPERATURE RANGE: -40°C ~ +100°C
CHARACTERISTIC: The excellent flexibility of the product can reduce the usage of hoses by nearly 47%, making it suitable for wiring in narrower spaces in rain, reducing the need for bent pipe joints, making pipe laying more convenient and bending easier.

WITH PERFECT FLEXIBILITY UNDER THE ABOVE W.P. / B.P. DEMANDED.

Type	Metric Size	Inch Size	I.D		W.D		O.D		Max W.P		Min B.P		Min B.R	W.T
			Standard	Tolerance	Standard (mm)		Standard (mm)							
Part No.	mm	Inches	mm	mm	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	mm	Kg/m
LSB 1/4"	6	1/4	6.2	±0.3	12.4	13.4	14.4	15.4	**42.0**	6090	**168.0**	24360	45	0.39
LSB 5/16"	8	5/16	8.0	±0.3	14.0	15.0	16.0	17.0	**40.0**	5800	**160.0**	23200	50	0.46
LSB 3/8"	10	3/8	9.7	±0.4	16.2	17.2	18.2	19.2	**35.0**	5080	**140.0**	20300	60	0.56
LSB 1/2"	13	1/2	13.0	±0.4	19.3	20.3	21.3	22.3	**30.0**	4350	**120.0**	17400	75	0.66
LSB 5/8"	16	5/8	16.0	±0.5	22.5	23.5	24.5	25.5	**27.0**	3920	**108.0**	15660	90	0.80
LSB 3/4"	19	3/4	19.0	±0.5	26.3	27.3	28.5	29.5	**23.0**	3340	**92.0**	13340	100	1.08
LSB 7/8"	22	7/8	22.0	±0.5	29.3	30.3	31.5	32.5	**23.0**	3340	**92.0**	13340	110	1.23
LSB 1"	25	1	25.2	±0.5	32.5	33.5	34.6	35.8	**23.0**	3340	**92.0**	13340	125	1.37
LSB 1-1/4"	32	1-1/4	32.0	±0.5	40.0	41.0	42.4	43.6	**18.0**	2610	**72.0**	10440	160	1.78
LSB 1-1/2"	38	1-1/2	38.0	±0.6	46.2	47.2	48.8	50.0	**14.0**	2030	**56.0**	8120	200	2.05
LSB 2"	51	2	51.0	±0.6	59.7	60.9	62.2	63.8	**10.0**	1450	**40.0**	5800	280	2.79
LSB 2-1/2"	64	2-1/2	64.0	±0.6	73.4	74.6	75.8	77.4	**8.5**	1230	**34.0**	4930	350	3.51
LSB 3"	76	3	76.0	±0.6	85.4	86.6	87.8	89.4	**7.0**	1020	**28.0**	4060	420	4.03

LSA (Q / LDJG 03-2017)

FOUR LAYERS OF FINE WIRES SPIRAL MODERATE HIGH PRESSURE WITH PERFECT FLEXIBILITY HYDRAULIC HOSE



WRAPPED SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: four layers of spiral ultra-soft fine wire reinforced
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum bass and water base hydraulic fluids

TEMPERATURE RANGE: -40°C ~ +100°C
CHARACTERISTIC: The excellent flexibility of the product can reduce the usage of hoses by nearly 47%, making it suitable for wiring in narrower spaces in rain, reducing the need for bent pipe joints, making pipe laying more convenient and bending easier.

WITH PERFECT FLEXIBILITY UNDER THE ABOVE W.P. / B.P. DEMANDED.

Type	Metric Size	Inch Size	I.D		W.D		O.D		Max W.P		Min B.P		Min B.R	W.T
			Standard	Tolerance	Standard (mm)		Standard (mm)							
Part No.	mm	Inches	mm	mm	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	mm	Kg/m
LSA 1/4"	6	1/4	6.2	±0.3	12.4	13.4	14.0	15.0	**45.0**	6530	**180.0**	26100	45	0.42
LSA 5/16"	8	5/16	8.0	±0.3	15.5	16.5	17.2	18.2	**42.0**	6090	**168.0**	24360	50	0.57
LSA 3/8"	10	3/8	9.7	±0.4	16.8	17.8	18.5	19.5	**38.0**	5510	**152.0**	22040	60	0.62
LSA 1/2"	13	1/2	13.0	±0.4	19.9	20.9	21.8	22.8	**32.0**	4640	**128.0**	18560	90	0.75
LSA 5/8"	16	5/8	16.0	±0.5	23.5	24.5	25.4	26.4	**28.0**	4060	**112.0**	16240	100	1.00
LSA 3/4"	19	3/4	19.0	±0.5	27.3	28.3	29.2	30.2	**28.0**	4060	**112.0**	16240	120	1.28
LSA 7/8"	22	7/8	22.0	±0.5	31.0	32.0	33.0	34.0	**28.0**	4060	**112.0**	16240	130	1.50
LSA 1"	25	1	25.2	±0.5	34.2	35.4	36.6	37.8	**28.0**	4060	**112.0**	16240	150	1.86
LSA 1-1/4"	32	1-1/4	32.0	±0.5	41.2	42.4	43.6	44.8	**22.0**	3190	**88.0**	12760	210	2.27
LSA 1-1/2"	38	1-1/2	38.0	±0.6	47.9	49.1	50.5	51.7	**17.5**	2540	**70.0**	10150	250	2.75
LSA 2"	51	2	51.0	±0.6	60.8	62.4	63.2	64.8	**14.0**	2030	**56.0**	8120	315	3.44
LSA 2-1/2"	64	2-1/2	64.0	±0.6	73.9	75.5	76.4	78.0	**14.0**	2030	**56.0**	8120	400	4.56
LSA 3"	76	3	76.0	±0.6	86.2	87.8	88.7	90.3	**11.0**	1600	**44.0**	6380	450	5.18

LT01

ONE LAYER STEEL WIRE BRAID, RUBBER COVERED TEMPERATURE-RESISTANT HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: one layer of steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: Type A:-30°C ~ +135°C,
Type B:-45°C ~ +135°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D (mm)		W.D (mm)		O.D (mm)		Max W.P			Min B.P	Min B.R	W.T
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
LT01A(B)-05R1	5	3/16"	03	4.7	5.3	9.0	9.8	11.1	12.1	25.0	250	3630	100.0	90	0.19
LT01A(B)-06R1	6.3	1/4"	04	6.2	6.8	10.6	11.4	12.7	13.7	22.5	225	3260	90.0	100	0.23
LT01A(B)-08R1	8	5/16"	05	7.8	8.4	12.1	12.9	14.3	15.3	21.5	215	3120	86.0	115	0.26
LT01A(B)-10R1	10	3/8"	06	9.5	10.1	14.6	15.4	16.7	17.7	18.0	180	2610	72.0	130	0.33
LT01A(B)-13R1	12.5	1/2"	08	12.5	13.1	17.5	18.3	19.7	20.7	16.0	160	2320	64.0	180	0.40
LT01A(B)-16R1	16	5/8"	10	15.8	16.4	20.6	21.4	22.9	23.9	13.0	130	1890	52.0	200	0.48
LT01A(B)-19R1	19	3/4"	12	18.8	19.4	24.6	25.4	26.9	27.9	10.5	105	1520	42.0	240	0.62
LT01A(B)-22R1	22	7/8"	14	21.8	22.4	27.6	28.4	29.9	30.9	9.5	95	1380	38.0	280	0.70
LT01A(B)-25R1	25	1"	16	25	25.6	32.5	33.4	34.6	35.6	8.7	87	1260	34.8	300	0.91
LT01A(B)-32R1	31.5	1-1/4"	20	31.8	32.6	39.3	40.3	42.2	43.4	6.2	62	900	24.8	420	1.16
LT01A(B)-38R1	38	1-1/2"	24	37.8	38.6	45.6	46.6	49.4	50.6	5.0	50	730	20.0	500	1.40
LT01A(B)-51R1	51	2"	32	50.8	51.6	59.3	60.3	62.8	64.2	4.0	40	580	16.0	630	1.90
LT01A(B)-64R1	64	2-1/2"	40	63.6	64.8	72.0	73.0	74.8	76.0	3.0	30	440	12.0	760	2.17

LT02

TWO LAYERS STEEL WIRE BRAID, RUBBER COVERED TEMPERATURE-RESISTANT HYDRAULIC HOSE



WRAPPED SURFACE



SMOOTH SURFACE

INNER TUBE: oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT: two layers of steel wire braided
COVER: oil and weather resistant synthetic rubber
APPLICATION: petroleum base and water base hydraulic fluids
TEMPERATURE RANGE: Type A:-30°C ~ +135°C,
Type B:-45°C ~ +150°C

Type	Metric Size	Inch Size	SAE Dash Size	I.D (mm)		W.D (mm)		O.D (mm)		Max W.P			Min B.P	Min B.R	W.T
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
LT02A(B)-05R2	5	3/16"	03	4.7	5.3	10.6	11.4	12.7	13.7	41.5	415	6020	166.0	90	0.29
LT02A(B)-06R2	6.3	1/4"	04	6.2	6.8	12.1	12.9	14.2	15.2	40.0	400	5800	160.0	100	0.35
LT02A(B)-08R2	8	5/16"	05	7.8	8.4	13.7	14.5	15.8	16.8	35.0	350	5080	140.0	115	0.39
LT02A(B)-10R2	10	3/8"	06	9.5	10.1	16.1	16.9	18.2	19.2	33.0	330	4790	132.0	130	0.49
LT02A(B)-13R2	12.5	1/2"	08	12.5	13.1	19.0	20.0	21.4	22.4	27.5	275	3990	110.0	180	0.61
LT02A(B)-16R2	16	5/8"	10	15.8	16.4	22.2	23.2	24.6	25.6	25.0	250	3630	100.0	200	0.74
LT02A(B)-19R2	19	3/4"	12	18.8	19.4	26.2	27.2	28.5	29.5	21.5	215	3120	86.0	240	0.93
LT02A(B)-22R2	22	7/8"	14	21.8	22.4	29.3	30.3	31.9	32.9	17.5	175	2540	70.0	280	1.05
LT02A(B)-25R2	25	1"	16	25	25.6	34.1	35.1	36.6	37.6	16.5	165	2390	66.0	300	1.40
LT02A(B)-32R2	31.5	1-1/4"	20	31.8	32.6	43.2	44.2	46.7	47.9	12.5	125	1810	50.0	420	2.03
LT02A(B)-38R2	38	1-1/2"	24	37.8	38.6	49.6	50.6	53.4	54.6	9.0	90	1310	36.0	500	2.26
LT02A(B)-51R2	51	2"	32	50.8	51.6	62.3	63.3	66.1	67.3	8.0	80	1160	32.0	630	2.92
LT02A(B)-64R2	64	2-1/2"	40	63.6	64.8	74.6	75.6	77.2	78.4	7.0	70	1020	28.0	760	3.43

SAE 100R1 RED FIRE SUPPRESSION HOSE

RED FIRE SUPPRESSION HOSE



WRAPPED SURFACE

INNER TUBE:black, oil resistant synthetic nitrile-butadiene rubber
REINFORCEMENT:one layer wire high-tensile braiding layer.
COVER:wrapped red anti-oil, weather resistant synthetic rubber.
APPLICATION: for the machines which are in mining, forestry and firefighting equipment industries, with a red outer cover for easy identification, meets the requirements of SAE 100R1.
TEMPERATURE RANGE:-40°C ~ +100°C

Type	Metric Size	Inch Size	I.D (mm)		O.D (mm)		Max W.P			Min B.P	Min B.R	W.T
Part No.	mm	Inches	Min	Max	Min	Max	Mpa	Bar	Psi	Mpa	mm	Kg/m
RFS 1/4"	6	1/4	6.2	6.8	12.7	13.7	22.5	225	3270	90.0	100	0.23
RFS 1/2"	13	1/2	12.7	13.3	19.7	20.7	16.0	160	2325	64.0	180	0.40
RFS 3/4"	19	3/4	18.8	19.4	26.9	27.9	10.5	105	1525	42.0	240	0.62

FLEXIBLE CABLE PROTECTION HOSE

FLEXIBLE CABLE PROTECTION HOSE



WRAPPED SURFACE

INNER TUBE: synthetic rubber
REINFORCEMENT:steel wire braided
COVER:weather resistant, flame-retardant, anti-static rubber
CHARACTERISTIC: 1. MSHA certificated, flame retardancy, anti-statistic;2. Facilitating the installation of connectors;3. Excellent stiffness and bending resistance.

APPLICATION: 1. Mainly used for the protection of wires, cables, and optical cables in coal mine supports;2. Engineering machinery, aerospace fields, automated production line mechanical arms and other electro-hydraulic control systems, communication systems, electronic security systems, and high-end mechanical equipment.

TYPE	Metric Size	Inch Size	SAE Dash Size	I.D (mm)		W.D (mm)		O.D (mm)		半径 Min B.R	重量 W.T
Part No.	mm	Inches	Dash	Min	Max	Min	Max	Min	Max	mm	Kg/m
FCP 1/4"	6.3	1/4	04	6.2	6.8	10.6	11.4	12.7	13.7	100	0.23
FCP 5/16"	8	5/16	05	7.8	8.4	12.1	12.9	14.3	15.3	115	0.26
FCP 3/8"	10	3/8	06	9.5	10.1	14.6	15.4	16.7	17.7	130	0.33
FCP 1/2"	12.5	1/2	08	12.5	13.1	17.5	18.3	19.7	20.7	180	0.40
FCP 5/8"	16	5/8	10	15.8	16.4	20.6	21.4	22.9	23.9	200	0.48
FCP 3/4"	19	3/4	12	18.8	19.4	24.6	25.4	26.9	27.9	240	0.62
FCP 1"	25	1	16	25.0	25.6	32.5	33.4	34.6	35.6	300	0.91
FCP 1-1/4"	31.5	1-1/4	20	31.8	32.6	39.3	40.3	42.2	43.4	420	1.16
FCP 1-1/2"	38	1-1/2	24	37.8	38.6	45.6	46.6	49.4	50.6	500	1.40
FCP 2"	51	2	32	50.8	51.6	59.3	60.3	62.8	64.2	630	1.90

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