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 <p>Hydraulic Hose</p>	<p>601 A-8</p>  <p>SAE 100R3</p>	<p>422 A-8</p>  <p>Worldwide ISO 1436-1 TYPE 1SN</p>	<p>424 A-8</p>  <p>Phosphate Ester Base Fluids</p>
<p>421WC A-9</p>  <p>SAE 100R1 TYPE AT Protective Wire Cover</p>	<p>426 A-9</p>  <p>High Temperature SAE 100R1 TYPE AT</p>	<p>AX A-9</p>  <p>One-Wire Braid</p>	<p>482TC A-10</p>  <p>Tough Cover SAE 100R1 TYPE AT</p>
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<p>304 A-11</p>  <p>Phosphate Ester Base Fluids</p>	<p>301LT A-12</p>  <p>Low Temperature SAE 100R2 TYPE AT</p>	<p>451TC A-12</p>  <p>Tough Cover SAE 100R17</p>	<p>451ST A-12</p>  <p>Super Tough - SAE 100R17</p>
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<p>471ST A-13</p>  <p>Super Tough ISO 11237-1 TYPE 2 SC</p>	<p>471TC A-14</p>  <p>Hydraulic Twin Tough</p>	<p>472TC A-14</p>  <p>Tough Cover Two-Wire Braid</p>	<p>351TC A-14</p>  <p>Tough Cover 4,000 psi Constant W.P.</p>
<p>351ST A-14</p>  <p>Super Tough 4,000 psi Constant W.P.</p>	<p>721 A-15</p>  <p>SAE 100R12</p>	<p>721TC A-15</p>  <p>Extreme Tough Cover SAE 100R12</p>	<p>721ST A-15</p>  <p>Super Tough - SAE 100R12</p>
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<p>781 A-16</p>  <p>SAE 100R13</p>	<p>P35 A-17</p>  <p>SAE 100R13</p>	<p>782TC A-17</p>  <p>Tough Cover SAE 100R13</p>	<p>782ST A-17</p>  <p>Super Tough SAE 100R13</p>
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<p>792TC A-19</p>  <p>Tough Cover - SAE 100R15</p>	<p>792ST A-19</p>  <p>Super Tough - SAE 100R15</p>	<p>761 A-19</p>  <p>ParMax - 8,000 psi</p>	<p>JK A-19</p>  <p>Jack Hose</p>

<p>Suction & Return Line Hose</p>	<p>811 A-20  1/2 SAE Minimum Bend Radius SAE 100R4</p>	<p>811HT A-20  1/2 SAE Minimum Bend Radius SAE 100R4</p>	<p>881 A-21  SAE 100R4</p>
<p>"Push-Lok" Multipurpose Hose</p>	<p>804 A-22  Dry Air/Hot Water</p>	<p>801 A-22  Push-Lok® Plus</p>	<p>836 A-22  Multipurpose High Temperature</p>
<p>821 A-23  Multipurpose</p>	<p>821FR A-23  Multipurpose Fire Resistant Cover</p>		
<p>Transportation Hose</p>	<p>271 A-24  Air Brake Hose SAE J1402 A</p>	<p>SS23CG A-24  Compressed Natural Gas and Liquefied Petroleum Gas</p>	<p>SS25UL A-24  Liquefied Petroleum Gas</p>
<p>293 A-25  Air Brake Hose SAE J1402</p>	<p>221FR A-25  Marine Fuel and Engine Hose</p>	<p>213 A-26  SAE J1402 AI</p>	<p>266 A-26  SAE J1402 All</p>
<p>201 A-27  SAE 100R5 SAE J1402 All</p>	<p>206 A-27  SAE 100R5 SAE J1402 All</p>	<p>225 A-28  SAE 100R5</p>	<p>CAH A-28  Compressed Air Hose</p>
<p>Refrigerant Hose</p>	<p>285 A-29  SAE J2064 TYPE C</p>	<p>244 A-29  SAE J2064 TYPE B</p>	

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How to Read the Hose Section

Parker offers a wide variety of hoses including braided, spiral, multi-purpose, transportation, refrigerant, LP gas and more. Parker's product line has been tested and approved to meet and exceed global standards. Our hoses range in size from 3/16" to 3" I.D. and are compatible with crimp and field-attachable style fittings. Specific hose information is displayed throughout Catalog 4400, Section A. Hose page content is defined by the information shown below. Please take a moment and review.

Parker Hose Nomenclature

- Example: 451TC-8
- 451**TC-8 - Hose Type
 - 451**TC**-8 - Indicates the special feature of the hose (in this case, 'Tough Cover')
 - 451TC-**8** - Hose inside diameter dash size (in this case, 8/16" or 1/2")

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Hose Outer Diameter
A critical measurement when considering hose clamps and applications where envelope size is limited.

Hose Inner Diameter
Measured in 1/16 inch increments identified by use of a "dash"(-) numbering system. i.e., 4/16" = 1/4" = -4.

Hose Working Pressure
Should have a working pressure rating meeting or exceeding the maximum operating pressure of the system. Maximum rating listed below in which the hose is to be used.

Minimum Bend Radius
Is the smallest arc that the hose can be bent before its life is greatly reduced. Exceeding the bend radius can cause kinking, inner tube wash-out, and excessive stress on reinforcement.

Weight
Provided by the foot for instances where it is a critical parameter in the design of the system.

Approved Fitting
To be used with the hose. Could be crimped or field attachable.

Catalog 4400 US

Hydraulic Hose
482TC, 482ST, BXX

482TC
Hydraulic - **'TOUGH COVER'**
SAE 100R1 TYPE AT / ISO 1436-1 TYPE 1SN / EN853 TYPE 1SN

482ST
Hydraulic - **'SUPER TOUGH'**
SAE 100R1 TYPE AT / ISO 1436-1 TYPE 1SN / EN853 TYPE 1SN

#	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp 43 Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	
482TC/ST-4	1/4	6,3	.530	14	3250	22,7	2	50	.16	0,24	•
482TC/ST-6	3/8	10	.690	17	3000	21,0	2-1/2	65	.23	0,34	•
482TC/ST-8	1/2	12,5	.820	21	2500	17,5	3-1/2	90	.29	0,43	•
482TC/ST-10	5/8	16	.940	24	2000	14,0	4	100	.33	0,49	•
482TC/ST-12	3/4	19	1.090	28	1750	12,2	4-3/4	120	.42	0,63	•
482TC/ST-16	1	25	1.410	36	1275	8,8	6	150	.63	0,94	•

Application: Petroleum base hydraulic fluids and lubricating oils.
Inner Tube: Nitrile.
Reinforcement: One braid steel wire.
Cover: Synthetic rubber abrasion resistant, MSHA accepted.
Temperature Range: -40°F to +212°F (-40°C to +100°C).
Fittings: 43 Series - pg. B-xx.

Hose Information
•Base part number
•Description
•SAE, ISO, and EN specifications

Indicates Hose Section

Lists hose part numbers on page

Visually shows hose construction

For more information regarding hose application and temperature, see the Technical Section (Section E)

Indicates fitting size is available.

How to Order Crimped Hose Assemblies

Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8	Box 9	Box 10	Box 11
F	436	06	39	08	08	08		-24		



Box 1: Prefix	
Symbol	Description
F =	Parkrimp Crimp Fittings (i.e 43 Series)
P =	Parkrimp Crimp Fittings (i.e 26 Series)
Y =	Permanent Crimp Fittings(i.e HY Series)
K =	Permanent Crimp Fittings (i.e 81 Series)

Box 2: Hose Type	
Symbol	Description
436 =	SAE 100R16 Hose

Note: see page A-7 for complete list of Parker Hoses

Box 3: 1st Fitting End Configuration	
Symbol	Description
06 =	Female JIC 37 Degree Swivel Straight

Note: See page E-17 for a complete list of fitting configurations

Box 4: 2nd Fitting End Configuration	
Symbol	Description
39 =	Female JIC 37 Degree Swivel 90 Degree Elbow - Short Drop

Box 5: 1st Fitting End Connection Size	
Symbol	Description
08 =	1/2" Female JIC (3/4x16 Thread)

Box 6: 2nd Fitting End Connection Size	
Symbol	Description
08 =	1/2" Female JIC (3/4x16 Thread)

Box 7: Hose Size	
Symbol	Description
08 =	1/2 inch Hose Inner Diameter

Box 8: Fitting Material	
Symbol	Description
No Suffix =	Steel
B =	Brass
C =	316 Stainless Steel
BA=	Brass nipple with steel nut and socket
BS=	Brass nipple with brass nut and steel socket

Box 9: Over All Length (OAL)	
Symbol	Description
24 =	Expressed in inches (610 mm)

OAL of a hose assembly is measured from the end of the straight fitting or centerline of the fitting seat. OAL of the Seal-Lok® hose assembly is measured to the sealing surface of the straight fittings or to the centerline of the elbow fittings

Box 10: Displacement Angle	
Symbol	Description
270	Specified only if two (2) elbow fittings are used. Starting with either end as the far end, measure angle clockwise to describe the displacement angle of the near end

Box 11: Hose Assembly Guards	
Symbol	Description
SG =	Spring Guard
AG =	Armor Guard
HG =	Polyguard
PG =	ParKoil™
FS =	Fire Sleeve
AS =	Partek Sleeving
PS =	Partek Sleeving

Note: When spelling out an assembly part number, list entire sleeving part number

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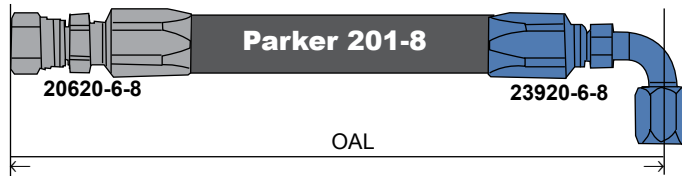
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How to Order Field Attachable Hose Assemblies

Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8	Box 9	Box 10	Box 11
R	201	06	39	06	06	08		-24		



Box 1: Prefix	
Symbol	Description
R =	Field Attachable i.e. 20 Series
M =	Mandrel i.e 23 and 23 Series
B =	Clamp i.e 88HC-H and 88DB on 88 Series
C =	Worm Gear Clamp i.e. 88H Series on 88 Series

Box 2: Hose Type	
Symbol	Description
201 =	SAE 100R5

Note: see page A-7 for complete list of Parker Hoses

Box 3: 1st Fitting End Configuration	
Symbol	Description
06 =	Female JIC 37 Degree Swivel - Str.

Note: See page E-17 for a complete list of fitting configurations

Box 4: 2nd Fitting End Configuration	
Symbol	Description
39 =	JIC 37 Degree Flare Elbow

Box 5: 1st Fitting End Connection Size	
Symbol	Description
06 =	3/8" JIC (9/16x18 Thread)

Box 6: 2nd Fitting End Connection Size	
Symbol	Description
06 =	3/8" JIC (9/16x18 Thread)

Box 7: Hose Size	
Symbol	Description
08 =	13/32 inch Hose Inner Diameter

Box 8: Fitting Material	
Symbol	Description
No Suffix =	Steel
B =	Brass
C =	316 Stainless Steel
BA =	Brass nipple with steel nut and socket
BS =	Brass nipple with brass nut and steel socket

Box 9: Over All Length (OAL)	
Symbol	Description
24 =	Expressed in inches (610 mm) OAL of a hose assembly is measured from the end of the straight fitting or centerline of the fitting seat. OAL of the Seal-Lok® hose assembly is measured to the sealing surface of the straight fittings or to the centerline of the elbow fittings

Box 10: Displacement Angle	
Symbol	Description
270	Specified only if two (2) elbow fittings are used. Starting with either end as the far end, measure angle clockwise to describe the displacement angle of the near end

Box 11: Hose Assembly Guards	
Symbol	Description
SG =	Spring Guard
AG =	Armor Guard
HG =	Polyguard
PG =	ParKoil™
FS =	Fire Sleeve
AS =	Partek Sleeving
PS =	Partek Sleeving
Note:	When spelling out an assembly part number, list entire sleeving part number

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Hose Size	Hose Reinforcement	Working Pressure (psi)												Standard Temp. Range °F	SAE	ISO	EN	Page	
		-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40						-48
601	2-braids, fiber		1250		1125	1000		750	565						-40/+257	100R3	4079-1-R3		A-8
422	1-braid, wire		3250	3125	2600	2325	1875	1525	1275	900	725	575			-40/+212	100R1AT	1436-1-1SN		A-8
424	1-braid, wire								1000	625	500	375			-40/+176	100R1AT			A-8
421WC	1-braid, wire		2750		2250	2000		1250	1000						-40/+257				A-9
426	1-braid, wire		2750		2250	2000	1500	1250	1000	625	500	375			-50/+302	100R1AT			A-9
AX	1-braid, wire		3000		3000	2500	1500	1250	1000						-40/+212				A-9
482TC/ST	1-braid, wire		3250	3250	3000	2500	2000	1750	1275						-40/+212	100R1AT	1436-1-1SN	853-1SN	A-10
BXX	2-braids, wire		5000		4000	3500	2750	2250	2000						-40/+212	100R2AT			A-10
431	2-braids, wire		5000	4250	4000	3500	2750	2250	2000						-40/+257	100R16			A-11
436	2-braids, wire				4000	3500	2750	2250	2000						-55/+302	100R16			A-11
304	2-braids, wire		5000		4000	3500		2250	2000	1625	1250	1125			-40/+176				A-11
301LT	2-braids, wire		5000		4000	3500		2250	2000						-67/+212	100R2AT			A-12
451TC/ST	1-braid, wire		3000		3000	3000	3000	3000	3000	3000					-40/+212	100R17			A-12
451TC Twin Tough	1 braid, steel wire				3000	3000									-40/+212	100R17	11237-1		A-12
341	4-spiral, wire				4500	4000		3000	3000	2500					-40/+212	100R9AT			A-13
302	2-braids, wire		5800	5000	4750	4000	3600	3100	2400	1800	1300	1150			-40/+212	100R2AT	1436-1-2SN		A-13
471TC/ST	2-braids, wire		5800		5000	4250	3625	3125	2500						-40/+212		11237-1-2SC	857-2SC	A-13
471TC Twin Tough	2-braids, steel wire				5000	4250									-40/+212		11237-1-2SC	857	A-14
472TC	2-braids, wire									2250	1800	1300			-40/+212				A-14
351TC/ST	2-braids, wire		4000	4000	4000	4000	4000	4000							-40/+212				A-14
721/721TC	4-spiral, wire				4000	4000	4000	4000	4000	3000	2500	2500			-40/+257	100R12	3862-1-R12	856-R12	A-15
721ST	4-spiral, wire					4000	4000	4000	4000	3000					-40/+257	100R12	3862-1-R12	856-R12	A-15
772TC/ST	4-spiral, wire				4000	4000	4000	4000	4000	3000	2500	2500			-40/+257	100R12	3862-1-R12	856-R12	A-15
774	4-spiral, wire							4000	4000	3000	2500	2500			-40/+176				A-16
711	4-spiral, wire										3000	3000			-40/+212	100R11			A-16
781	4/6-spiral, wire							5000	5000	5000	5000				-40/+257	100R13	3862-1-R13	856-R13	A-16
P35	4/6-spiral, wire											5000			-40/+257	100R13	3862-1-R13	856-R13	A-17
782TC/ST	4/6-spiral, wire							5000	5000	5000	5000				-40/+257	100R13	3862-1-R13	856-R13	A-17
701	4-spiral, wire				6500	6000	5000								-40/+212		3862-1-4SP	856-4SP	A-17
731	4-spiral, wire							6000	5500	4700	4200	3600			-40/+212		3862-1-4SH	856-4SH	A-18
F42	4/6 spiral steel wire					6000		6000	6000	6000					-40/+176				A-18
791TC	4/6-spiral, wire							6000	6000	6000	6000				-40/+257	100R15	3862-1-R15		A-18
792TC/ST	4/6-spiral, wire							6000	6000	6000					-40/+257	100R15	3862-1-R15		A-19
761	6-spiral, wire							8000	8000						-40/+257				A-19
JK	2-braids, wire		10500		1000										-40/+120				A-19
811/811HT with HC	1-braid, 1-spiral wire							100	70	50	50	50	62		-40/+212	100R4			A-20
881 with HC	2-braids, 1-spiral wire							100	70	50	50	50	62		-40/+257	100R4			A-21
811/811HT with 81	1-braid, 1-spiral wire							300	250	200	150	100	62		-40/+212	100R4			A-20
881 with 43/81/DB	2-braids, 1-spiral wire							300	250	200	150	100	62		-40/+257	100R4			A-21
804	1-braid, fiber		150		150	150		150							-40/+176				A-22
801	1-braid, fiber		250		250	250	250	250	175						-40/+212				A-22
836	1-braid, fiber		250		250	250	250								-55/+302				A-22
821	1-braid, fiber		350		300	300	250	250							-40/+212				A-23
821FR	1-braid, fiber		350		300	300		250							-40/+212				A-23
271	1-braid, fiber				225	225									-50/+212	J1402 A			A-24
SS23CG	1-braid, wire				350	350	350	350							-40/+250				A-24
SS25UL	1-braid, wire		350	350	350	350	350	350							-40/+250				A-24
293	1-braid, fiber		500		500	500	450	450	450						-58/+302	J1402 AI			A-25
221FR	1-braid, wire			500	500	500	500	500	500						-4/+212	J1527 R3/J1942	7840		A-25
213	1-braid, wire		2000	1500	1500	1250	1000	750	400	300	300	200			-50/+302	J1402 AI			A-26
266	1-braid, wire		2000	1500	1500	1250	1250	750	400	300	250				-55/+302	J1402 AII			A-26
201	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350	350	200	-40/+302	100R5/ J1402 All			A-27
206	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350	350		-55/+302	100R5/ J1402 All			A-27
225	1-braid, wire		3000	3000	2250	2000	1750	1500	800	625	500	350			-40/+212				A-28
CAH	1-fiber braid, 1 wire braid		500	500	500	500	500	500	500	400	400	400	400		-10/+235				A-28
285	1-braid, fiber		500		500	500	500	500							-22/+257	J2064 Type C			A-29
244	1-braid, wire								500	500	500				-22/+257	J2064 Type B Class 1			A-29

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