

BEFORE YOU SPEC IT, STAMP IT



S

SIZE

T

TEMPERATURE

A

APPLICATION

M

MEDIA

P

PRESSURE

S

SIZE

Hose inside diameter, outside diameter and overall length

T

TEMPERATURE

Maximum temperature of the material being conveyed and of the application environment

A

APPLICATION

External conditions/environment such as abrasion, bend radius, climate/temperature, crushing, color, conductivity/non conductivity, flexing, industry or regulatory specifications, kinking and exposure to chemicals, oil, ozone and ultraviolet light

M

MEDIA

Type and concentration of material being conveyed and compatibility with the hose

P

PRESSURE

Maximum system pressure, including pressure spikes, suction/vacuum

All Parker hydraulic hoses have passed the industry rated specifications for burst pressure and carry a 4:1 design factor unless otherwise noted. Burst pressure ratings for hose are for manufacturing test purposes only. They are not an indication that the product can be used above the published maximum working pressure. It is for this reason that the burst pressure ratings have been removed from the hose charts within the catalog.

See Technical Section for more information.

PARKER HOSE NOMENCLATURE

PERFORMANCE LEGEND

Half SAE Bend	Tough Cover	SuperTough Cover	Critical Protection Cover	High Temperature	Low Temperature

Example: 487TC-8
487TC-8 - Hose Type
 487**TC**-8 - Indicates the special feature of the hose (in this case, 'Tough Cover')
 487TC-**8** - Hose inside diameter dash size (in this case, 8/16" or 1/2")

Example:

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

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

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

Visually shows hose construction.

487
 Hydraulic – Constant Working Pressure
 ISO 18752

[view on web page](#)

# Part Number	Performance				Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp	
	Standard Cover	Tough Cover	Super Tough	Critical Protection	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series	77 Series
487-4	AC	AC	AC	AC	1/4	6,3	0.52	13,1	4000	28,0	2	50	0.20	0,30	Link	
487-6	AC	AC	AC	AC	3/8	10	0.68	17,2	4000	28,0	2-1/2	65	0.28	0,42	Link	
487-8	AC	AC	AC	AC	1/2	12,5	0.81	20,4	4000	28,0	3-1/2	90	0.35	0,52	Link	
487-10	AC	AC	AC	AC	5/8	16	0.94	23,9	4000	28,0	4	100	0.44	0,66	Link	
487-12	AC	AC	AC	AC	3/4	19	1.10	27,8	4000	28,0	4-3/4	120	0.58	0,86	Link	
487-16	BC	CC	CC	CC	1	25	1.49	37,8	4000	28,0	6	150	1.34	1,99	Link	
487-20	BC	CC	CC	CC	1-1/4	31,5	1.82	46,3	4000	28,0	8-1/4	210	1.74	2,59		Link
487-24	BC	CC	CC	CC	1-1/2	38	2.03	52,8	4000	28,0	10	250	2.07	3,08		Link
487-32	BC	CC	CC	CC	2	51	2.65	67,3	4000	28,0	12-1/2	320	4.35	6,47		Link

Application: Petroleum base hydraulic fluids and lubricating oils.
Inner Tube: Synthetic rubber.
Reinforcement: Two-braid steel wire for sizes -4 to -12.
 Four-spiral steel wire for sizes -16 to -24.
 Six-spiral steel wire for size -32.
Cover: Standard Cover: Synthetic rubber.
 ToughCover: Synthetic rubber abrasion resistant.
 SuperTough Cover: Synthetic rubber super abrasion resistant.
 Critical Protection Cover: Synthetic rubber excellent abrasion & damage resistance.

Fittings: 43 Series, sizes -4 to -16 - pg. 83.
 77 Series, sizes -20 to -32 - pg. 147.
Temperature Range: Standard Cover: -40°F to +212°F (-40°C to +100°C).
 ToughCover & SuperTough Cover: -40°F to +257°F (-40°C to +125°C).

For more information regarding hose application and temperature, see the Technical Section.

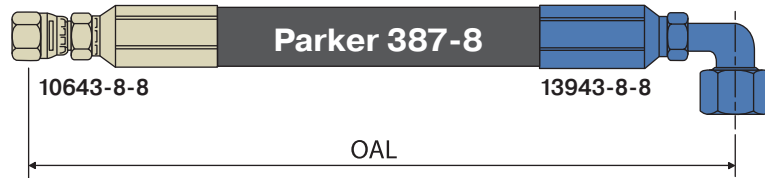
Minimum Bend Radius
 Is the smallest arc that the hose can be bent before its life is greatly reduced. Exceeding the bend radius can cause kinking, inner tube washout and excessive stress on reinforcement.

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.

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	387	06	39	08	08	08		-24		



Box 1: Prefix	
Symbol	Description
F =	Parkrimp Crimp Fittings (43, 77 Series, etc.)
P =	Parkrimp Crimp Fittings (26 Series only)
Y =	Permanent Crimp Fittings (HY Series only)
K =	Permanent Crimp Fittings (81 Series only)

Box 2: Hose Type	
Symbol	Description
387 =	ISO 18752 Hose
Note: see page A-6 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-32 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
ZJ =	XTR plating

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
HG =	Polyguard
PG =	ParkKoil™
FS =	Fire Sleeve
AS =	Partek Sleeving
PS =	Partek Sleeving
Note: When spelling out an assembly part number, list entire sleeving part number	

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 (all series except 22 & 23)
M =	Field Attachable (22 & 23 Series only)
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-6 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-32 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
HG =	Polyguard
PG =	ParKoil™
FS =	Fire Sleeve
AS =	Partek Sleaving
PS =	Partek Sleaving

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

• See page 448 for Agency Approval For Building Hose Assemblies Key