

Hose overview		Working Pressure (MPa) at size / DN																	Temp. °C	Construction	Standard
Hose	Fitting serie	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	-56	-64	-80	-96			
		5	6	8	10	12	16	19	25	31	38	51	63	76	90	100	125	150			
GlobalCore	187 187TC/ST 387 (43/48, 77)					7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0					-40/+100 -40/+125 -40/+100	2 braids, wire 2 braids, wire 1/2 braids, wire ¹	Exceeds ISO 18752-AS Exceeds ISO 18752-AS Exceeds ISO 18752-AC - ISO 18752-BC ²
	387TC/ST (43/48, 77)	21.0			21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0						-40/+125	1/2 braids, wire ¹	Exceeds ISO 18752-AC - ISO 18752-CC ²
	487 (43/48, 77)	28.0			28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0						-40/+100 -40/+125	1/2 braids, wire ¹ 1/2 braids, wire ¹	Exceeds ISO 18752-AC - ISO 18752-BC ² Exceeds ISO 18752-AC - ISO 18752-CC ²
	487TC/ST (43/48, 77)	28.0			28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0								
	BCH1 46	22.5	21.5	18.0	16.0	13.0	10.5	8.8											-40/+100	1 braid, wire	EN 857 1SC - ISO 11237
Standard	BCH2 48	40.0	35.0	33.0	27.5	25.0	21.5	16.5											-40/+100	2 braids, wire	EN 857 2SC - ISO 11237
	421SN 48	22.5	21.5	18.0	16.0	13.0	10.5	8.8	6.3	5.0	4.0							-40/+100	1 braid, wire	EN 853-1SN - ISO 1436-1SN/R1AT - SAE 100R1AT	
	301SN 48	40.0	35.0	33.0	27.5	25.0	21.5	16.5	12.5	9.0	8.0							-40/+100	2 braids, wire	EN 853-2SN - ISO 1436-2SN/R2AT - SAE 100R2AT	
	441 46/48	35.0	29.7	28.0	24.5	19.2	15.7	14.0										-40/+125	1/2 braids, wire ¹	ISO 11237-R16 - SAE 100R16	
	492 46	28.0	25.0	22.5	19.0	15.0	11.0	7.5										-40/+100	1 braid, wire	Exceeds EN 857-1SC - ISO 11237-1SC	
High abrasion resistance MSHA approved Extreme abrasion resistance	462 (46, 48)	42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2									-40/+100	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC	
	421TC 48	22.5	21.5	18.0	16.0	13.0	10.5	8.8	6.3	5.0	4.0							-40/+100	1 braid, wire	EN 853 1SN – ISO 1436 Type 1 – SAE 100R1AT	
	462TC (46/48, 48 2p)	42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2	14.6	11.2	7.0	7.0					-40/+100	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC	
	492TC 46	28.0	25.0	22.5	19.0	15.0	11.0	7.5										-40/+100	1 braid, wire	EN 857-1SC - ISO 11237-1SC	
	492ST 46	28.0	25.0	22.5	19.0	15.0	11.0	7.5										-40/+100	1 braid, wire	EN 857-1SC - ISO 11237-1SC	
Low / High temperature	462ST (46, 48)	42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2									-40/+100	2 braids, wire	EN 857-2SC - ISO 11237-2SC	
	426 (43, 48)	19.2			15.7	14.0	10.5	8.7	7.0	4.3	3.5	2.6						-46/+150	1 braid, wire	SAE 100R1AT	
	436 48				27.5	24.0	19.0	15.5	13.8									-48/+150	2 braids, wire	SAE 100R16	
	461LT 46/48	42.5	40.0	35.0	31.0	28.0	28.0	21.0										-50/+100	2 braids, wire	Exceeds EN 857-2SC - ISO 11237-2SC	
	HT2 48	40.0	36.0	35.0	29.7	25.0	21.5	17.5										-40/+125	2 braids, wire	Parker specification	
Phosphat-Ester	304 (43, 48)	34.5			27.5	24.0		15.5	13.8	11.2	8.6	7.8						-40/+80	2 braids, wire	SAE 100R2AT	
	441RH 48	35.0	29.7	28.0	24.5	19.2	15.7	14.0										-40/+125	1/2 braids, wire ¹	ISO 11237-R16 - SAE 100R16	
	421RH 48								6.3	5.0	4.0							-40/+100	1 braid, wire	EN 853-1SN - ISO 1436-1SN/R1AT - SAE 100R1AT	
	477RH 48	45.0	42.5	40.0	38.0	35.0	35.0	28.0										-40/+100	2 braids, wire		
	493 48	20.0	20.0	20.0	17.5													max. +120	1 braid, wire		
Water cleaning	463 46				40.0	40.0	35.0											max. +120	2 braids, wire		
	412 56	12.0	12.0	12.0	12.0													-40/+100	1 braid, wire		
	412ST 56	12.0	12.0	12.0	12.0													-40/+100	1 braid, wire		
	421WC 43	19.0			15.5	13.8		8.6	6.9									-40/+120	1 braid, wire	ISO S1436-1SN/R1AT - SAE 100R1AT	
	477 48	45.0	42.5	40.0	38.0	35.0	35.0	25.0										-40/+100	2 braids, wire		
Powerlift	477TC 48	45.0	42.5	40.0	38.0	35.0	35.0	25.0										-40/+100	2 braids, wire		
	477ST 48	45.0	42.5	40.0	38.0	35.0	35.0	25.0										-40/+100	2 braids, wire		
	692 46	21.0	21.0	21.0	21.0	21.0	21.0											-40/+100	1/2 braids, wire ¹	Exceeds SAE 100R17	
	692TWIN 46	21.0	21.0	21.0	21.0	21.0	21.0											-40/+100	1/2 braids, wire ¹	Exceeds SAE 100R17	
	692TC 46	21.0	21.0	21.0	21.0	21.0	21.0											-40/+100	1/2 braids, wire ¹	Exceeds SAE 100R17	
Extremely flexible	811 (48, IF, ⊕)							2.1	1.7	1.4	1.0	0.7	0.4	0.4				-40/+100	1 braid, 1 steelspiral	SAE 100R4	
	811S (IF, ⊕)												1.0	1.0	1.0	1.0	1.0	-40/+100	1 braid, 1 steelspiral	Exceeds SAE 100R4	
	881 (43, 48, ⊕)																	-40/+121	1 braid, 1 steelspiral	SAE 100R4	
	462PU 48	42.5	40.0	35.0	31.0	28.0												-50/+100	2 braids, wire	Exceeds EN 857 2SC - ISO 11237 Typ 2SC	
	462PU Twin (46, 48)	42.5	40.0	35.0	31.0	28.0												-50/+100	2 braids, wire	Exceeds EN 857 2SC - ISO 11237 Typ 2SC	
Polyurethane Cover	692PU (46, 48)	21.0	21.0	21.0	21.0	21.0	21.0											-45/+100	1/2 braids, wire ¹		
	692PU Twin (46, 48)	21.0	21.0	21.0	21.0	21.0	21.0											-45/+100	1/2 braids, wire ¹		

⊕: on request; in parentheses "()": The fitting series depends on the hose ID (size). 2p: two-piece fitting; 1: The hose construction depends on the hose ID (size). 2: The standard depends on the hose ID (size).
For details, please refer to the respective hose page in this catalogue.

Standard

BCH1

Cab-1

*No-Skive*

EN 857 1SC – ISO 11237

BCH2

Cab-2

*No-Skive*

EN 857 2SC – ISO 11237

301SN

Cab-4

*No-Skive*

EN 853 2SN – ISO 1436 Type 2

421SN

Cab-9

*No-Skive*

EN 853 1SN – ISO 1436 Type 1

441

Cab-14

*Elite No-Skive*

ISO 11237 Type R16 – SAE 100R16

462

Cab-17

*Elite No-Skive Compact*

Exceeds EN 857-2SC – ISO 11237 Type 2SC

492

Cab-29

*Elite No-Skive Compact*

EN 857 1SC – ISO 11237 Type 1SC

High abrasion resistance

421TC

Cab-10

*No-Skive*

EN 853 1SN – ISO 1436 Type 1

462TC

Cab-20

*Elite No-Skive Compact Tough Cover*

Exceeds EN 857-2SC – ISO 11237 Type 2SC

492TC

Cab-30

*Elite No-Skive Compact Tough Cover*

EN 857 1SC – ISO 11237 Type 1SC

Extreme abrasion resistance

462ST

Cab-21

*Elite No-Skive Super Tough Compact*

EN 857 2SC – ISO 11237 Type 2SC

492ST

Cab-31

*Elite No-Skive Super Tough Compact*

EN 857 1SC – ISO 11237 Type 1SC

Low / High temperature

HT2

Cab-3

*No-Skive Compact*

Parker specification

426

Cab-12

*No-Skive*

SAE 100R1AT high temperature

436

Cab-13

*No-Skive Compact*

SAE 100R16 high temperature

461LT

Cab-16

*Elite No-Skive Compact*

EN 857 2SC low temperature

Phosphate Ester

304

Cab-5

*No-Skive*

Phosphate ester resistant hose

301SN

No-Skive

EN 853 2SN – ISO 1436 Type 2

Primary Applications

General medium pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

Applicable Specifications

EN 853 2SN – ISO 1436 Type 2 – SAE 100R2AT

Construction

Inner tube: Nitrile (NBR)

Reinforcement: Two high-tensile steel wire braids

Cover: Synthetic rubber

Temperature Range -40 °C up to +100 °C

Exception: Air max. +70 °C

Water max. +85 °C



- *No-Skive* thin cover hose construction
- Nitrile (NBR) inner tube
– extended fluid compatibility

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
301SN-4	6	1/4	-4	6.4	15.0	40.0	5800	160.0	23200	100	0.39
301SN-5	8	5/16	-5	7.9	16.6	35.0	5075	140.0	20300	115	0.42
301SN-6	10	3/8	-6	9.5	19.0	33.0	4775	132.0	19100	130	0.55
301SN-8	12	1/2	-8	12.7	22.2	27.5	4000	110.0	16000	180	0.67
301SN-10	16	5/8	-10	15.9	25.4	25.0	3600	100.0	14500	200	0.77
301SN-12	19	3/4	-12	19.1	29.3	21.5	3100	86.0	12400	240	1.00
301SN-16	25	1	-16	25.4	38.1	16.5	2400	66.0	9600	300	1.49
301SN-20	31	1 1/4	-20	31.8	47.5	12.5	1800	50.0	7200	420	1.73
301SN-24	38	1 1/2	-24	38.1	55.0	9.0	1300	36.0	5200	500	2.14
301SN-32	51	2	-32	50.8	67.0	8.0	1150	32.0	4600	630	2.96

The combination of high temperature and high pressure could reduce the hose life.

Hose layline example

PARKER NO-SKIVE 301SN-4 WP 40,0 MPa (400 BAR) l · · SAE100R2AT-4 6,3MM (1/4") X 2W EN853/2SN/6/DIN