

# 53DM/538DM – DuraMax™ Low Temperature



## Features

- Matte jacket for low coefficient of friction
- Superior flexibility in cold temperature applications
- Better bend radius than SAE J517 and 100R7
- Smaller O.D.s than 100R7 and 100R18
- 3000 PSI constant pressure

## Certifications

- Meets or Exceeds SAE 100R18
- 538DM Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

## Applications/Markets



- Excellent over-the-sheave in lift truck applications
- Cold storage or refrigerated areas
- Construction and agriculture equipment in cold climate
- 53DM-12 Not suggested for use in over-the-sheave (pulley system) applications

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#	⊙		⊙		⌚		↷		U	lbs	kg	⊗
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
53DM-3	538DM-3	3/16	5	.43	11	3,000	20.7	1.00	25	28	.06	.08	55
53DM-4	538DM-4	1/4	6	.49	12	3,000	20.7	1.25	32	28	.07	.10	55/HY*
53DM-5	538DM-5	5/16	8	.60	15	3,000	20.7	2.00	51	28	.10	.15	58/HY*
53DM-6	538DM-6	3/8	10	.66	17	3,000	20.7	2.00	51	28	.11	.16	55/58/HY*
53DM-8	538DM-8	1/2	13	.84	21	3,000	20.7	3.50	89	28	.17	.26	55/58/HY*
53DM-10	538DM-10	5/8	16	1.03	26	3,000	20.7	4.00	102	28	.22	.33	58
53DM-12	-	3/4	19	1.13	29	3,000	20.7	6.50	165	28	.26	.39	58H

## Construction

Tube: Copolyester  
 Reinforcement: Fiber  
 Cover: Copolyester

## Operating Parameters

Temperature Range:  
 -70°F to +212°F (-57°C to +100°C)  
 For use with water and water-based hydraulic fluids to +135°F (+57°C)  
 Change in working length @ Rated WPSI: ±2%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12    58 Series – pg. E-12  
 58H Series – pg. E-41  
 HY Series – pg. E-87 (\*HY Fittings available from Parker Hose Products Division)  
 For Crimp Die Selection charts see pgs. G-30 : G-41  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black
- Orange (Non-Conductive)

## Notes

Perforated cover - 53DM  
 Non-perforated cover - 538DM

For detailed ordering information, please consult price list or contact Parflex® Division.

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[www.comoso.com](http://www.comoso.com)

