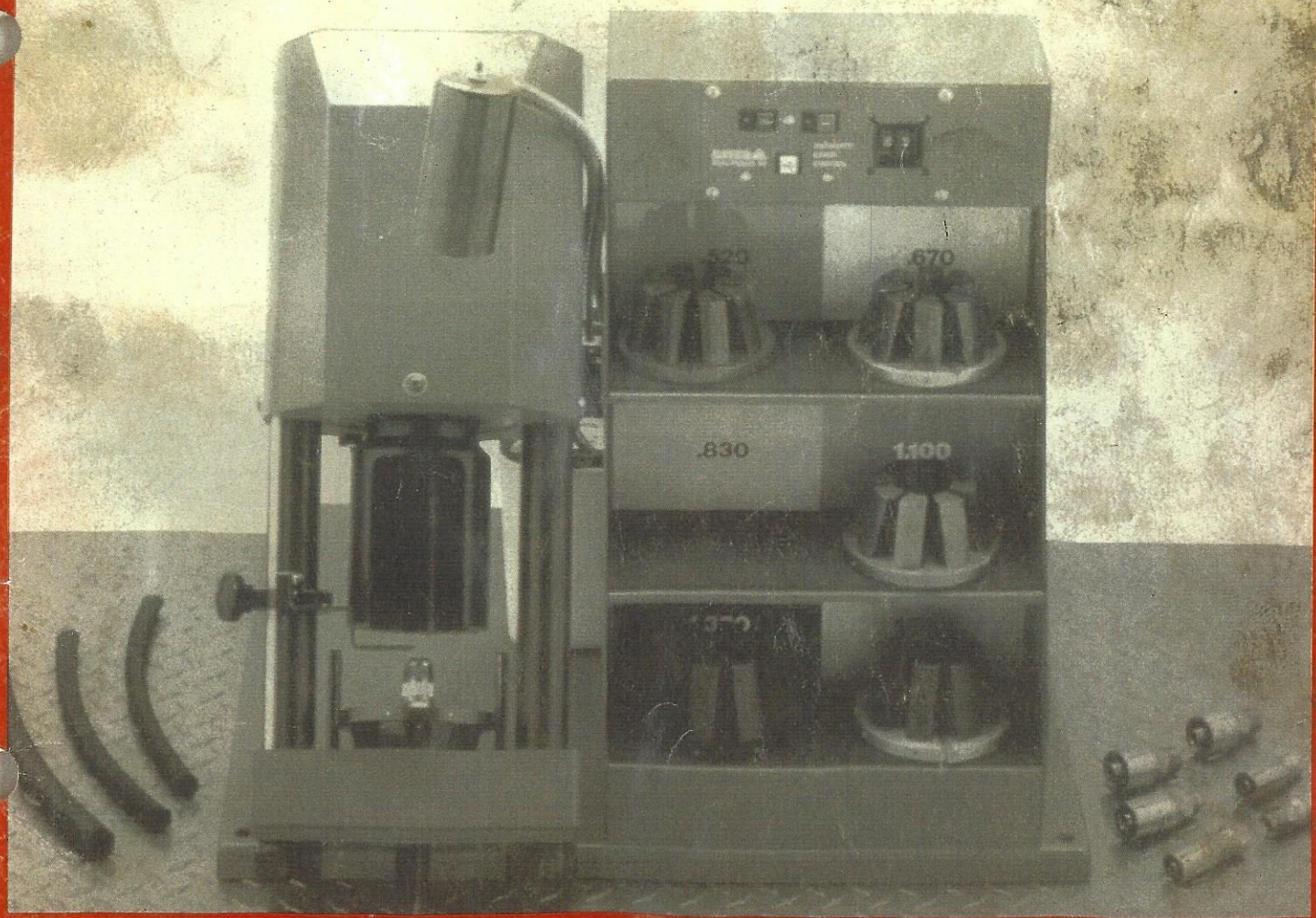
DYNACRAFT®

A DIVISION OF PACCAR

Hydraulic Crimp

- High Pressure Hydraulic Hose Assemblies
- 100R5 Truck Hose Assemblies
- Air Brake Jumper Hose Assemblies



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Dynacraft Hydraulic Crimp Program

A Complete Crimping System with the NP60 Crimper:

- High Pressure Hydraulic Hose Assemblies
- 100R5 Truck Hose Assemblies
- Air Brake Jumper Hose Assemblies
- Air Conditioning Hose Assemblies
  (see Dynacraft catalog AC980)
- Battery Cable Assemblies
  (see Dynacraft catalog BCC980)

Make sure to use the right combination!

Hose Description	*Dynacraft Hose*	*Dynacraft Couplings*
Single Wire Braid 100R1 - Medium Pressure	MP1	MP
100R5 / Medium Pressure - High Temperature	MP5	MP
Two Wire Braid 100R2 - High Pressure	HP2	MP
Low Pressure Hose - 100R4	LP4	MP
Low Pressure Hose Flexible - 100R4	LPF4	MP
Four Wire Spiral 100R9 - Very High Pressure	VP9	HP
Four Wire Spiral 100R12 - Very High Pressure	VP12	HP
Four Wire Spiral 100R13 - Very High Pressure	VP13 (SIZES 12-16)	HP
Four Wire Spiral 100R13 - Very High Pressure	VP13 (SIZES 20-32)	VP
Spiral Wire - 6000 psi - Severe High Pressure	VP6	HP
Two Wire Braid Eliminator® - High Pressure	HTB	HP/MP
Type A Truck Air Brake Hose	LPAB	LB
Polar Low Temp Air Brake Hose	LPABxxLT	LB

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HYDRAULIC HOSES & FITTINGS

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02957-3439
screws

800944-0257

101484-0520

Toll-Free 1-800-532-6550
Dynacraft Hydraulic Catalog
HYC990
(Rev. 5/99)

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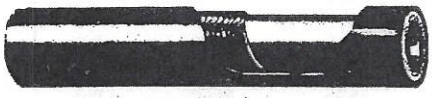
MEDIUM, HIGH, & VERY HIGH PRESSURE HOSE

SINGLE WIRE BRAID—THIN COVER (SAE 100R1 TYPE AT)



Use: For medium pressure hydraulics using petroleum or water-glycol based fluids.

Key Features: Cover does not have to be removed (skived) to attach fittings. Will accept reusable or crimp fittings.

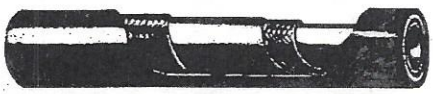
Temperature Range: - 40° to + 200° F

Construction: Buna-N Tube, single wire braid reinforcement and synthetic rubber cover.

Standards Met: SAE 100R1 TYPE AT (Non-Skive).

PART NUMBER	Hose Dash Size	Hose I.D. Ins.	Hose O.D. Ins.	Maximum Working Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius Ins.
D1001-2066	-3	0.19	0.49	3000	12000	3.5
D1001-2079	-4	0.25	0.53	2750	11000	4.0
D1001-2073	-5	0.31	0.59	2500	10000	4.5
D1001-2092	-6	0.38	0.69	2250	9000	5.0
D1001-2105	-8	0.50	0.81	2000	8000	7.0
D1001-2111	-10	0.63	1.03	1500	6000	8.0
D1001-2118	-12	0.75	1.09	1250	5000	9.5
D1001-2131	-16	1.00	1.41	1000	4000	12.0
D1001-2144	-20	1.25	1.77	625	2500	16.5
D1001-2157	-24	1.50	2.05	500	2000	20.0
D1001-2170	-32	2.00	2.59	375	1500	25.0

TWO WIRE BRAID—THIN COVER (SAE 100R2 TYPE AT)



Use: For high-pressure hydraulics using petroleum or water-glycol based fluids.

Key Features: Cover does not have to be removed (skived) to attach fittings. Will accept reusable or crimp fittings.

Temperature Range: - 40° to + 200° F.

Construction: Buna-N Tube, 2 wire braid reinforcement and synthetic rubber cover.

Standards Met: SAE 100R2 Type AT (Non-Skive).

PART NUMBER	Hose Dash Size	Hose I.D. Ins.	Hose O.D. Ins.	Maximum Working Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius Ins.
D1005-2119	-3	0.19	0.53	5000	20000	3.5
D1005-2121	-4	0.25	0.60	5000	20000	4.0
D1005-2128	-5	0.31	0.68	5000	20000	4.5
D1005-2134	-6	0.38	0.75	4000	16000	5.0
D1005-2147	-8	0.50	0.88	3500	14000	7.0
D1005-2160	-10	0.63	1.03	2750	11000	8.0
D1005-2173	-12	0.75	1.16	2000	8000	9.5
D1005-2186	-16	1.00	1.50	2000	8000	12.0
D1005-2199	-20	1.25	1.89	1625	6500	16.5
D1005-2212	-24	1.50	2.20	1250	5000	20.0
D1005-2217	-32	2.00	2.66	1125	45000	25.0

VERY HIGH PRESSURE HOSE FOUR WIRE SPIRAL (SAE 100R12)

Use: For very high pressure hydraulics using petroleum or water-glycol based fluids.

Key Features: Cover needs to be removed (skived) in some applications to attach fittings. Designed for use with crimp fittings.

Temperature Range: -40 degrees to +250° F.

Construction: Seamless Nepoprene inner tube, four alternating spiral wire reinforcement layers, and a synthetic oil resistant rubber cover.

Standards Met: SAE 100R12, MHSA.

PART NUMBER	Hose Dash Size	Hose I.D. Ins.	Hose O.D. Ins.	Maximum Working Pressure PSI	Minimum Burst Pressure PSI	Minimum Bend Radius Ins.
D1025-2084	-8	0.50	0.94	4000	16000	7.0
D1025-2097	-12	0.75	1.21	4000	16000	9.5
D1025-2110	-16	0.10	1.50	4000	16000	12.0
D1025-2123	-20	1.25	1.85	3000	12000	16.5
D1025-2125	-24	1.50	2.11	2500	10000	20.0
D1025-2127	-32	2.00	2.63	2500	10000	25.0

Refer to Dynacraft Hydraulic Program Guide for Crimper instructions. Contact Dynacraft for details.

After the supersession is complete and SB inventory is depleted, file the conversion tables above and replace them with the appropriate crimp specification tables below. These are to be used for , 2, and 4 wire hydraulic crimp.

1998 Dynacraft Hydraulic Crimp Specification tables

Hydraulic Crimp Specification Table #1
1 Wire (MX Style) Hydraulic Hose Crimp Specifications SAE 100R1AT

Hose Style	Hose ID	Hose Part #	Coupling	Die # / Color	Approx. Setting	Skive Length	Crimp OD
MX04	.250	D1001-2079	HY04	.520 Red	79	0.00	0.615
MX06	.375	D1001-2134	HY06	.670 Yellow	77	0.00	.780
MX08	.500	D1001-2147	HY08	.830 Blue	88	0.00	.875
MX10		D1001-2160	HY10	.830 Blue	61	0.00	1.030
MX12	.750	D1001-2173	HY12	1.100 Green	82	0.00	1.180
MX16	1.00	D1001-2186	HY16	1.320 Black	73	0.00	1.455
MX20	1.250	D1001-2199	HY20	1.730 Silver	87	0.00	1.780

Hydraulic Crimp Specification Table #2
2 Wire (BXX Style) Hydraulic Hose Crimp Specifications SAE 100R2AT

Hose Style	Hose ID	Hose Part #	Coupling	Die # / Color	Approx. Setting	Skive Length	Crimp OD
BXX04	.250	D1005-2121	HY04	.520 Red	72	0.00	.660
BXX06	.375	D1005-2134	HY06	.670 Yellow	71	0.00	.815
BXX08	.500	D1005-2147	HY08	.830 Blue	77	0.00	.940
BXX10	.625	D1005-2160	HY10	.830 Blue	55	0.00	1.065
BXX12	.750	D1005-2173	HY12	1.100 Green	74	0.00	1.225
BXX16	1.00	D1005-2186	HY16	1.320 Black	61	0.00	1.520
BXX20	1.250	D1005-2199	HY20	1.730 Silver	63	0.00	1.920

Hydraulic Crimp Specification Table #3
4 Wire (CE Style) Hydraulic Hose Crimp Specifications SAE 100R12

Hose Style	Hose ID	Hose Part #	Coupling	Die # / Color	Approx. Setting	Skive Length	Crimp OD
CE08	.500	D1025-2084	BW08	.830 Blue	67	1.130	1.000
CE12	.750	D1025-2097	BW12	1.100 Green	60	0.00	1.320
CE16	1.00	D1025-2110	BW16	1.500 Brown	76	0.00	1.630
CE20	1.250	D1025-2123	BW20	1.920 Violet	77	0.00	2.045

Hydraulic Hose Crimp Machine Specification Chart

Wire Gauge (size)	Weatherhead "Coil-O-Crimp" T-450 T-400 T-420 T-410			Imperial Eastman K201 K401 K501 K601		Parker 8PC-001 88C-061-2 82C-001 80C-001 83C-001-2	Gates PC 703 PC 707 (601 & 603 will not work)			Dayco EC 30 NP 60			Crimp Diameter inch
	Die #	Ring	Flatside	Die #	Setting	Die #	Die #	730 Set	707 Sety	Die #	EC 30	NP60	
2 Ga	T-400-31C	Red or Green	Up	..400	68	Par-Flex 80C-P02	B	36 1/2	2.10	.350 Orange	93	93	.400
1 Ga	T-400-31C	Red or Green	Up	.400	68	Par-Flex 80C-P02	B	36 1/2	3.10	.350 Orange	93	93	.400
1/0	T-400-2C	Black	Down	.500	70	Par-Flex 80C-P04	B	50	7.10	.520 Red	98	96	.560
2/0	T-400-2C	Black	Down	.500	70	Par-Flex 80C-P04	B	50	7.10	.520 Red	98	96	.560
3/0	T-400-2C	Black	Down	.500	70	Par-Flex 80C-P04	B	50	7.10	.520 Red	98	96	.560
4/0	T-400-2C	Black	Up	.500	62	Par-Flex 80C-A04	E	39	2.10	.520 Red	80	72	.650
250 MCM	T-400-2C	Black	Up	.500	57	Par-Flex 80C-A04	E	39	2.10	.520 Red	80	72	.650

This chart is for die cast copper battery terminals and heavy wall electrical terminals provided by Dynacraft

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