

# Medium Capacity Testing Machines and Accessories

## Price List

### TABLE OF CONTENTS

System I Manual DTM .....	pp 1 - 2
System II Motorized DTM .....	pp 3 - 4
System III Indicator-controlled DTM ...	pp 5 - 6
System IV Veritest DTM .....	pp 7 - 8
System upgrades .....	p 9
DTM grips and fixtures .....	pp 9 - 11

# System I - Manual Dillon Testing Machine

To order a System I Manual Testing Machine, select:

- Manually operated tester frame (*Pick one in Tester Frame and Drive table*)
- Instrumentation (*Select one below*)
  - Mechanical Dynamometer (*Pick one from Mechanical Dynamometer table*)
  - FI-90 Indicator and load cell (*Pick one from FI-90 section and Load Cell table*)
  - FI-127 Indicator and load cell (*Pick one from FI-127 section and Load Cell table*)
- Load cell cable (*for FI-90 or FI-127 Indicators*)
- System accessories (*Pick as many as desired*)
  - Floor stand
  - WP-233D Printer
  - Grips and fixtures (*See Grips and Fixtures sections*)

TESTER FRAME AND DRIVE MODELS (Pick one)				
PART NUMBER	DAYLIGHT OPENING	GEAR RATIO	CROSSHEAD MOVEMENT PER HANDWHEEL REVOLUTION	LIST PRICE
50747-1284	28.5"	40:1	0.003125"	\$ 3,700
50747-1384	38.5"	40:1	0.003125"	3,800
50747-1484	48.5"	40:1	0.003125"	3,900
50747-1282	28.5"	20:1	0.00625"	3,700
50747-1382	38.5"	20:1	0.00625"	3,800
50747-1482	48.5"	20:1	0.00625"	3,900

NOTE A: Tester frame prices do not include floor stand.

Optional Floor Stand (Part #28949-0013) ..... \$ 825

NOTE B: 40:1 gear ratio recommended over 8,000 lb (3600 kg) loads

MECHANICAL DYNAMOMETERS				
PART NUMBER	CAPACITY & DIAL DIVISION IN LB	PART NUMBER	CAPACITY & DIAL DIVISION IN KG	LIST PRICE
30357-0014	500 x 2	N/A	N/A	\$ 700
30357-0022	1,000 x 5	30357-0097	500 x 2	700
30357-0030	2,000 x 10	30357-0105	1,000 x 5	700
30357-0048	4,000 x 20	30357-0113	2,000 x 10	950
30357-0055	5,000 x 20	N/A	N/A	950
30357-0063	6,000 x 25	N/A	N/A	975
30357-0071	8,000 x 50	30357-0121	4,000 x 20	975
30357-0089	10,000 x 50	30357-0139	5,000 x 20	975

**ELECTRONIC LOAD CELLS WITH ADAPTERS**

<u>PART NUMBER</u>	<u>CAPACITY</u>	<u>PRICE</u>	
28947-0015	25 lb	\$ 690	
28947-0023	50 lb	690	
28947-0031	100 lb	690	
28947-0049	200 lb	690	
28947-0056	300 lb	690	
28947-0064	500 lb	690	
28947-0072	750 lb	690	
28947-0080	1,000 lb	730	
32279-0247	2,000 lb	805	
32279-0239	5,000 lb	820	
32279-0221	10,000 lb	855	
32279-0213	12,000 lb	855	(Not available with direct drive models)
26850-0220	12-ft load cell cable	78	(Other cable lengths available)

**FI-90 Force Indicator \* (P/N 52980-0013)**

LIST PRICE

The standard FI-90 Force Indicator includes: ABS plastic enclosure, front-panel setup and calibration, seven-segment LCD display with 0.5-inch digits, pushbutton selectable units of measure (*lb/kg/n*), pushbutton zero, peak-hold, automatic zero tracking, center of zero, RS-232 20mA output and battery backup. AC models include eight-foot power cord. . . . . \$ 765

**FI-90 OPTIONS**

Cutoff card (two setpoints) . . . . . 60  
 Remote relay box w/two relays . . . . . 445

**FI-127 Indicator\* (P/N 49056-1123)**

The FI-127 Force Indicator includes: NEMA 4X stainless steel enclosure, mounting bracket, watertight connections for 7-pin loadcell cable connector and 4-pin serial port connector and five additional cable ports, 20-key front panel, an 8-digit, bright green LED display, a bi-directional RS-232 serial port and three standard cutoff outputs. Displays lb, kg, N. \$ 1,375

**FI-127 Options**

220 VAC 50/60 Hz,  
 (Specify USA, UK, Europe, Italy or Australia cord kit with order.) . . . . . No charge  
 Analog output board (0-5, 0-10 VDC; 1-5, 4-20, 10-50 mA) . . . . . 215  
 6-foot RS-232 cable, (9-pin 50477-0017 or 25-pin 51815-0024) . . . . . 90

\* Note: Indicators shown with options commonly selected for DTM use. For complete option list, see specific indicator literature and price sheet.

**System I Accessories**

28949-0013 Optional floor stand . . . . . 825

**Grips and fixtures:** for testing of 300 lb and under, select fittings from "Light Capacity Grips and Fixtures" list. For testing above 300 lb, select fittings from "Grips and Fixtures" list.

# System II Motorized Testing Machine

To order a System II Motorized Testing Machine, select:

- Motorized tester frame with floorstand (Pick one in Tester Frame and Drive table)
- Instrumentation (Select one below)
  - Mechanical Dynamometer (Pick one from Mechanical Dynamometer table)
  - FI-90 Indicator and load cell (Pick one from FI-90 section and Load cell table)
  - FI-127 Indicator and load cell (Pick one from FI-127 section and Load Cell table)
- Load cell cable (for FI-90 or FI-127 Indicators)
- System II Accessories (Pick as many as desired)
  - Handwheel for manual machine assistance
  - WP-233D Printer
  - Grips and fixtures (See Grips and Fixtures sections)

<b>TESTER FRAME AND DRIVE MODELS (Pick one)</b>			
<b>System II and III</b>			
<b>Part no.</b>	<b>Daylight opening</b>	<b>Gear ratio</b>	<b>List Price</b>
50747-2284	28.5"	40:1	\$ 7,300
50747-2384	38.5"	40:1	7,400
50747-2484	48.5"	40:1	7,500
50747-2282	28.5"	20:1	7,300
50747-2382	38.5"	20:1	7,400
50747-2482	48.5"	20:1	7,500
50747-2280	28.5"	20:1 direct drive	7,300
50747-2380	38.5"	20:1 direct drive	7,400
50747-2480	48.5"	20:1 direct drive	7,500

NOTES: A. Includes 1/2 HP (or 1 HP motor for 20:1 direct drive), 115 volt, 60 Hz motor, drive belt and pulleys.

B. Motor pulley and tester pulley are easily interchanged for high and low range.

C. High voltage option, 220-240 volt, 50-60 Hz. . . . . \$ 320

<b>MECHANICAL DYNAMOMETERS</b>				
<b>Part Number</b>	<b>Capacity &amp; Dial Division in lb</b>	<b>Part Number</b>	<b>Capacity &amp; Dial Division in kg</b>	<b>List Price</b>
30357-0014	500 x 2 lb	N/A	N/A	\$ 700
30357-0022	1,000 x 5 lb	30357-0097	500 x 2 kg	700
30357-0030	2,000 x 10 lb	30357-0105	1,000 x 5 kg	700
30357-0048	4,000 x 20 lb	30357-0113	2,000 x 10 kg	950
30357-0055	5,000 x 20 lb	N/A	N/A	950
30357-0063	6,000 x 25 lb	N/A	N/A	975
30357-0071	8,000 x 50 lb	30357-0121	4,000 x 20 kg	975
30357-0089	10,000 x 50 lb	30357-0139	5,000 x 20 kg	975

## ELECTRONIC LOAD CELLS WITH ADAPTERS

<u>PART NUMBER</u>	<u>CAPACITY</u>	<u>PRICE</u>	
28947-0015	25 lb	\$ 690	
28947-0023	50 lb	690	
28947-0031	100 lb	690	
28947-0049	200 lb	690	
28947-0056	300 lb	690	
28947-0064	500 lb	690	
28947-0072	750 lb	690	
28947-0080	1,000 lb	730	
32279-0247	2,000 lb	805	
32279-0239	5,000 lb	820	
32279-0221	10,000 lb	855	
32279-0213	12,000 lb	855	(Not available with direct drive models)
26850-0220	12-ft load cell cable	78	(Other cable lengths available)

### FI-90 Force Indicator \* (P/N 52980-0013)

#### LIST PRICE

The standard FI-90 Force Indicator includes: ABS plastic enclosure, front-panel setup, single cell calibration, seven-segment LCD display with 0.5-inch digits, pushbutton selectable units of measure (lb/kg/n), pushbutton zero, peak-hold, automatic zero tracking, center of zero, RS-232 20mA output and battery backup eight-foot power cord. . . . . \$ 765

#### FI-90 OPTIONS

Cutoff card (two setpoints) . . . . . 60  
 Remote relay box w/two relays . . . . . 445

### FI-127 Indicator\*

The FI-127 Force Indicator includes: NEMA 4X stainless steel enclosure, mounting bracket, watertight connections for 7-pin loadcell cable connector and 4-pin serial port connector and five additional cable ports, 20-key front panel, an 8-digit, bright green LED display, a bi-directional RS-232 serial port, six loadcell calibration stroage capability and three standard cutoff outputs. Displays lb, kg, N. . . . . \$ 1,375

#### FI-127 Options

220 VAC 50/60 Hz,  
 (Specify USA, UK, Europe, Italy or Australia cord kit with order.) . . . . . No charge  
 Analog output board (0-5, 0-10 VDC; 1-5, 4-20, 10-50 mA) . . . . . 215  
 6-foot RS-232 cable, (9-pin 50477-0017 or 25-pin 51815-0024) . . . . . 90

\* *Note: Indicators shown with options commonly selected for DTM use. For complete option list, see specific indicator literature and price sheet.*

**Grips and fixtures:** For testing of 300 lb and under, select fittings from "Light Capacity Grips and Fixtures" list. For testing above 300 lb, select fittings from "Grips and Fixtures" list.

# System III Indicator-controlled DTM

To order a System III Indicator-controlled Testing Machine, select:

- Motorized tester frame with floorstand  
(Pick one in Tester Frame and Drive table)
- Instrumentation — Wizard Force Indicator and load cell
- Load cell cable
- Software
  - Standard software
  - Custom software (factory quotation)
- System III Accessories (As many as desired)
  - Handwheel for manual machine assistance
  - WP-233D Printer
  - Grips and fixtures  
(See Grips and Fixtures sections)

TESTER FRAME AND DRIVE MODELS (Pick one)			
System II and III			
Part no.	Daylight opening	Gear ratio	List Price
50747-3284	28.5"	40:1	\$ 7,600
50747-3384	38.5"	40:1	\$ 7,700
50747-3484	48.5"	40:1	\$ 7,800
50747-3282	28.5"	20:1	\$ 7,600
50747-3382	38.5"	20:1	\$ 7,700
50747-3482	48.5"	20:1	\$ 7,800
50747-3280	28.5"	20:1 direct drive	\$ 7,600
50747-3380	38.5"	20:1 direct drive	\$ 7,700
50747-3480	48.5"	20:1 direct drive	\$ 7,800

- NOTES: A. Includes ½ HP (or 1 HP motor for 20:1 direct drive), 115 volt, 60 Hz motor, cable, drive belt and pulleys.  
 B. Motor pulley and tester pulley are interchanged for high and low range.  
 C. High voltage option, 220-240 volt, 50-60 Hz. . . . . \$ 320

## ELECTRONIC LOAD CELLS WITH ADAPTERS

<u>PART NUMBER</u>	<u>CAPACITY</u>	<u>PRICE</u>	
28947-0015	25 lb	\$ 690	
28947-0023	50 lb	\$ 690	
28947-0031	100 lb	\$ 690	
28947-0049	200 lb	\$ 690	
28947-0056	300 lb	\$ 690	
28947-0064	500 lb	\$ 690	
28947-0072	750 lb	\$ 690	
28947-0080	1,000 lb	\$ 730	
32279-0247	2,000 lb	\$ 805	
32279-0239	5,000 lb	\$ 820	
32279-0221	10,000 lb	\$ 855	
32279-0213	12,000 lb	\$ 855	(Not available with direct drive models.)
26850-0220	12-ft load cell cable	78	(Other cable lengths available)

## **Wizard Force Indicator\***

The Wizard is a force/weight programmable controller that has 1" X 4.3" dot graphic fluorescent display. It has electronic circuitry to support two internal I/O modules. The instrument is enclosed in a stainless steel enclosure with an external RS-232 and load cell connectors. It includes a table stand with hand adjustment knobs for easy viewing or mounting.

The DTM Wizard is factory configured with a standard software application that includes break, cycle, spring and peel tests. Software descriptions and specifications for each Wizard system can be viewed and printed at [www.dillon-force.com](http://www.dillon-force.com) and pressing on the "news and other information" button and then the "Wizard" button. The software can be factory modified if the customer desires additional features. Please call or fax the feature list to us for quotation.

47992-0134 Wizard Force Indicator - DTM ..... \$ 2,245

### **Options**

230 VAC operation ..... 78  
6-foot RS-232 cable, 9-pin (50477-0017) or 25-pin (51815-0024) ..... 90

\* **Note:** Indicators shown with options commonly selected for DTM use. For complete option list, see specific indicator literature and price sheet.

### **Grips and fixtures:**

*For testing of 300 lb and under, select fittings from "Light Capacity Grips and Fixtures" list.*

*For testing above 300 lb, select fittings from "Grips and Fixtures" list.*

# System IV - VeriTest™ DTM

## Computer Controlled Material Analysis

The **System IV VeriTest** is tailored to testing of samples of uniform cross section in a pure tensile load. The system will run at constant speed throughout the test, plotting a graph of stress verses strain in real time. The software detects sample failure and stops the machine and waits for operator cue to return to home position.

The System IV DTM requires a standard PCI slot, which differs from the specifications noted on 9/98 DTM brochure. The PCI slot is more commonly available on computers then the full-length ISA slot. Compatible with Windows 95, 98, NT and XP.

**To order a System IV Materials Testing System**, select:

- Motorized tester frame with floorstand (Pick one in Tester Frame and Drive table)
- Computer
  - Factory supplied
  - Customer supplied (add setup and configuration charge)
- Load cell (Pick one or more from Load Cell table)
- Load cell cable
- VeriTest Software – Includes software, computer interface board and cable
- Options (Pick as many as desired)
  - Extensometer (Pick desired strain percentage)
  - Grips and fixtures (See Grips and Fixtures sections)

<b>TESTER FRAME AND DRIVE MODELS (Pick one)</b>			
<b>System IV</b>			
<b>Part no.</b>	<b>Daylight opening</b>	<b>Gear ratio</b>	<b>List Price</b>
50747-4284	28.5"	40:1	\$ 13,200
50747-4384	38.5"	40:1	13,300
50747-4484	48.5"	40:1	13,400
50747-4282	28.5"	20:1	13,200
50747-4382	38.5"	20:1	13,300
50747-4482	48.5"	20:1	13,400
50747-4280	28.5"	20:1 direct drive	13,200
50747-4380	38.5"	20:1 direct drive	13,300
50747-4480	48.5"	20:1 direct drive	13,400

- NOTES: A. Includes ½ HP (or 1 HP motor for 20:1 direct drive), 115 volt, 60 Hz motor, interface cable, drive belt and pulley.
- B. Motor pulley and tester pulley are interchanged for high and low range.
- C. High voltage option, 220-240 volt, 50-60 Hz. . . . . \$320

### COMPUTER

**Dillon-supplied personal computer** . . . . . \$ 3,595

Includes computer and monitor. Computer specifications will vary with technology

**In-house setup and calibration to end-user computer** . . . . . \$ 475

(See literature for minimum specifications)

## ELECTRONIC LOAD CELLS WITH ADAPTERS

<u>PART NUMBER</u>	<u>CAPACITY</u>	<u>PRICE</u>	
28947-0015	25 lb	\$ 690	
28947-0023	50 lb	690	
28947-0031	100 lb	690	
28947-0049	200 lb	690	
28947-0056	300 lb	690	
28947-0064	500 lb	690	
28947-0072	750 lb	690	
28947-0080	1,000 lb	730	
32279-0247	2,000 lb	805	
32279-0239	5,000 lb	820	
32279-0221	10,000 lb	855	
32279-0213	12,000 lb	855	(Not available with direct drive models)
26850-0220	12-foot loadcell cable	78	(Other cable lengths available)

### SOFTWARE

#### VeriTest

Computer linked, materials testing software for Windows 95/98/NT/XP  
 Includes PCI computer interface board and computer/DTM cable . . . . . \$ 2,000

### SYSTEM IV ACCESSORIES

#### Extensometer and Interface Cable (2.0-inch gauge length)

27407-0010	Extensometer with .5-inch range, 25% strain . . . . . (Includes interface cable)	3,575
27407-0028	Extensometer with 1-inch range, 50% strain . . . . . (Includes interface cable)	3,675
27407-0036	Extensometer with 2-inch range, 100% strain . . . . . (Includes interface cable)	3,775

#### Grips and fixtures:

For testing of 300 lb and under, select fittings from "Light Capacity Grips and Fixtures" list.  
 For testing above 300 lb, select fittings from "Grips and Fixtures" list.

The **System IV VeriTest** is tailored to testing of samples of uniform cross section in a pure tensile load. The system will run at constant speed throughout the test, plotting a graph of stress verses strain in real time. The software detects sample failure and stops the machine and waits for operator cue to return to home position.

## System upgrades

(For testers with serial numbers above 94000)

DTM System I	System II	\$ 6,075
DTM System I	System III (Includes a Wizard Indicator)	8,345
DTM System I	System IV (Includes A/D card and VeriTest software)	12,465
DTM System I with existing floorstand		Deduct \$ 825

**System I Upgrade Kits consist of:** floorstand with motorization and E-Drawer or replacement E-Drawer, tester to indicator or computer cable factory installation and new one-year warranty.

DTM System II upgrade to System III (Includes a Wizard Indicator)	\$ 4,850
DTM System II upgrade to System IV	9,100
DTM System III upgrade to System IV	8,900
High voltage option, 220-240 volt, 50-60 Hz	310

**System II, III, and IV Upgrade Kits consist of:** a new E-Drawer, tester to indicator or computer cable, any applicable software, factory installation and new one-year warranty

## General information

1. Refer to original system pricing for complete package quotes when considering upgrades.
2. In some upgrades not all existing equipment will be used to complete the new system.
3. Prices listed are for identical loadcell or dynamometer configurations.
4. Calibration requirements must be considered.
5. Each upgrade requires some installation of parts and wiring.
6. Serial number of the existing tester must be provided when requesting information and/or ordering upgrades.
7. Paint color of E-drawer and replacement parts is current standard DTM color.

## DILLON TESTING MACHINE GRIPS AND FIXTURES

For testing to 12,000 lb capacities, unless otherwise specified.

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>LIST PRICE</u>
<b>Tension Grips and Fixtures</b>		
Curtis Grip and Insert - 5,000 lb (pair)		
46180-0229	5K grip with flat coarse inserts	\$ 3,275
46180-0211	5K grip with flat fine inserts	3,275
46180-0245	5K grip with round coarse inserts	3,275
46180-0237	5K grip with round fine inserts	3,275
Spare inserts (four pieces per set)		
45073-0064	5K inserts flat coarse	575
45073-0080	5K inserts flat fine	575
45073-0023	5K inserts round coarse	710
45073-0049	5K inserts round fine	710
<i>Carbide inserts available upon request</i>		
Curtis grips and inserts - 15,000 lb (pair)		
46180-0278	15K grip with flat coarse inserts	4,725
46180-0260	15K grip with flat fine inserts	4,725
46180-0294	15K grip with round coarse inserts	4,725
46180-0286	15K grip with round fine inserts	4,725
Spare inserts - 15,000 lb (four pieces per set)		
45073-1062	15K inserts flat coarse	710
45073-1088	15K inserts flat fine	710
45073-1021	15K inserts round coarse	810
45073-1047	15K inserts round fine	810

1.	31292-0010	Universal Grips. Type "CA". Without wedges. Order wedges offered below. . . . .	1,255/pair
2.	Extra "CA" wedges for flats (four pieces per set):		
	31292-0028	Serrated coarse . . . . .	360
	31292-0036	Serrated fine . . . . .	320
	31292-0044	Smooth faced . . . . .	280
3.	Extra "CA" wedges for rounds (four pieces per set):		
	31292-0051	Specimens 3/8" to 1/2" (.95 cm to 1.27 cm) . . . . .	370
	31292-0069	Specimens 1/2" to 3/4" (1.27 cm to 1.91 cm) . . . . .	340
	31292-0077	Specimens 3/4" to 1" (1.91 cm to 2.54 cm) . . . . .	320
4.	31153-0018	Wire and cord grips . . . . .	855/pair
5.	30988-0011	Molded plastic/hard rubber specimen grip for "dog bone" specimens . . . . .	2,075/pair
6.	30986-0013	Webbing Fixtures. (Requires 38.5" or larger daylight opening) . . . . .	2,625/pair
7.	31152-0019	Cement briquette fixture . . . . .	1,045/pair
8.	30985-0014	Fabric grips. Serrated face. . . . .	Consult Factory
9.	30989-0010	Plywood and glue block grips . . . . .	2,355/pair
10.	30990-0017	Adhesive test fixture . . . . .	1,210/pair
11.	32541-0017	Rope grips. For specimens 1/8"-7/16" diameter (Specify diameter) . . . . .	Consult Factory
	32541-0025	Rope grips. For specimens 1/2"-5/8" diameter (Specify diameter) . . . . .	Consult Factory
12.	30991-0016	General Utility Yokes . . . . .	450/pair
13.	Rivet shear fixtures: With blades for specimens from 1/16" to 3/8" (Specify size) . . . . .		Consult Factory
14.	Extra blades for rivet shear fixture. (Specify specimen size from 1/16" to 3/8") . . . . .		Consult Factory
15.	30830-0011	Elongation scale assembly for Universal Testing Machine . . . . .	Consult Factory
	30830-0029	Elongation scale assembly for Dillon Testing Machine . . . . .	Consult Factory
16.	32539-0011	Bolt test fixture with adapter to fit one single specimen. (Specify size) . . . . .	790/pair
17.	32539-0029	Extra adapters for bolt test fixtures. (Specify size) . . . . .	Consult Factory
18.	30984-0015	Twine fixture . . . . .	Consult Factory
19.	30987-0012	Fabric grab test grip with serrated jaws . . . . .	Consult Factory
	30987-0020	Fabric grab test grip with smooth jaws . . . . .	Consult Factory
20.	31147-0017	Strapping test fixture . . . . .	2,625
21.	31275-0011	Climbing drum fixture (peel strength) . . . . .	2,015

*Custom grips available upon request*

**Compression Fixtures**

1.	Transverse fixture for round or square specimens:		
	30982-0017	Specimens up to 1/2" . . . . .	Consult Factory
	30982-0025	Specimens up to 1" . . . . .	Consult Factory
2.	Compression cages		
	31150-0011	Specimens up to 6" square by 4" tall . . . . .	1,290
	31150-0029	Specimens up to 6" square by 8" tall . . . . .	1,290
	31150-0037	Specimens up to 6" square by 12" tall . . . . .	1,290
	31150-0045	Specimens up to 6" square by 15" tall . . . . .	1,290
	31150-0052	Specimens up to 6" square by 20" tall . . . . .	1,365
	31150-0102	Specimens up to 6" square by 25" tall . . . . .	1,365
	31150-0086	Specimens up to 6" square by 38" tall . . . . .	1,525
	<i>Call factory for larger specimen sizes</i>		
3.	31149-0015	Crushing strength and modulus of rupture fixture . . . . .	2,525
4.	31148-0016	Wood glue block compression test fixture . . . . .	1,865
5.	31151-0010	Flex strength fixture . . . . .	1,865

## LIGHT CAPACITY GRIPS AND FIXTURES

For testing to 300 lb capacities

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>LIST PRICE</u>
1. 32540-0018	Standard Tension Grips. (Does not include jaws. See below) . . . . .	\$ 1,255/pair
32540-0026	Serrated jaws for above, set of 4 . . . . .	525
32540-0034	Smooth jaws for above, set of 4 . . . . .	525
2. 31875-0015	Optional Tension Grips. (Does not include jaws. See below) . . . . .	320/pair
31875-0049	Serrated jaws for above, set of 4 . . . . .	185
31875-0056	Smooth jaws for above, set of 4 . . . . .	135
3. 31490-0010	All Purpose Tension Grips. (Does not include jaws. See below) . . . . .	550/pair
31490-0036	Serrated jaws for above, set of 4 . . . . .	575
31490-0028	Smooth jaws for above, set of 4 . . . . .	560
4. 31146-0018	General clevis-type fixture . . . . .	105/pair
5. 30995-0012	"O" ring test fixture . . . . .	115/pair
6. 30993-0014	Wire grips . . . . .	700/pair
7. 30977-0014	Rubber grips . . . . .	1,020/pair
8. 30978-0013	Adhesive test blocks . . . . .	840/pair
9. 30992-0015	Fabric grips . . . . .	Consult Factory
10. 30997-0010	Miniature filament grips . . . . .	Consult Factory
11. 32538-0012	Screw thread grips. Single adapter. (Specify size) . . . . .	Consult Factory
32538-0020	Additional adapter. (Specify size) . . . . .	Consult Factory
12. 30979-0012	Utility hook fixture . . . . .	175
13. 30994-0013	Cord and twine fixture . . . . .	Consult Factory
14. 31144-0010	Ribbon test fixture . . . . .	600/pair
15. 30996-0011	Transverse test fixture . . . . .	Consult Factory
16. Compression Cages		
31145-0050	For specimens up to 4" square by 4" tall . . . . .	Consult Factory
31145-0019	For specimens up to 4" square by 8" tall . . . . .	Consult Factory
31145-0027	For specimens up to 4" square by 12" tall . . . . .	Consult Factory
31145-0035	For specimens up to 4" square by 15" tall . . . . .	Consult Factory
31145-0092	For specimens up to 4" square by 22" tall . . . . .	Consult Factory

*Consult Factory: Call factory for immediate pricing. Quoted prices are valid for minimum of 60 days*