



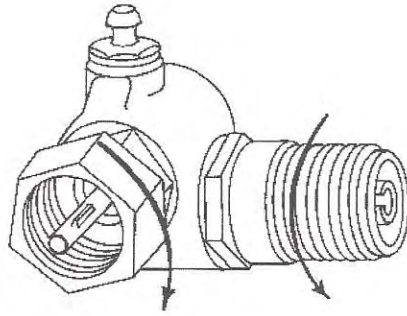
**CLARK
BROTHERS
INSTRUMENT**

Gauges • Speedometer Adapters
Speedometer Cables & Components
Control Cables

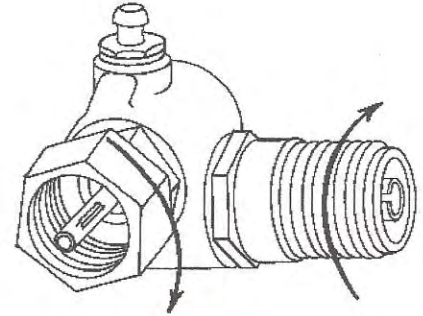


**WHERE ACCURACY
MEETS PERFORMANCE**

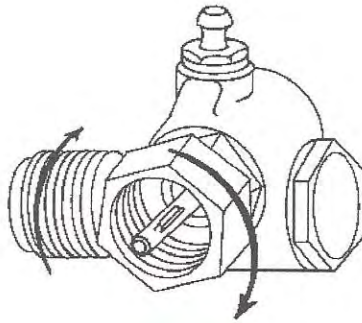
\$5.00 U.S.
MC794



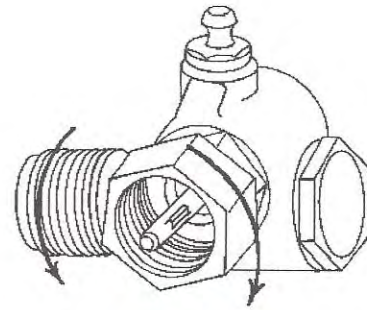
40 SERIES
"DIRECT" OR "CONTINUOUS"
ROTATION



41 SERIES
"REVERSING" OR "OPPOSITE"
ROTATION



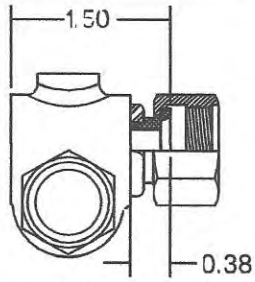
42 Series
"DIRECT" OR "CONTINUOUS"
ROTATION



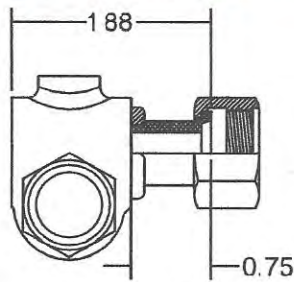
43 SERIES
"REVERSING" OR "OPPOSITE"
ROTATION

Clark Brothers' Right Angle Drive Adapters are designed for heavy duty service in highway or off-road applications. Built to provide long life and trouble-free operation under the most severe conditions, these adapters meet or exceed the strict quality requirements of such companies as General Motors, Mack, and Volvo. Every part in our Right Angle Drive Adapter is proudly **Made in the U.S.A.** Like all Clark Brothers' products, each adapter assembly and every component carries a **two year unlimited mileage warranty** and is backed by our commitment to prompt service and customer satisfaction.

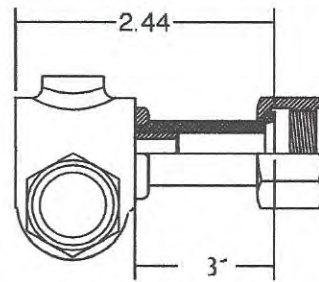
INPUT CHART



3/8" Connector
Fitting Nos. 01-05



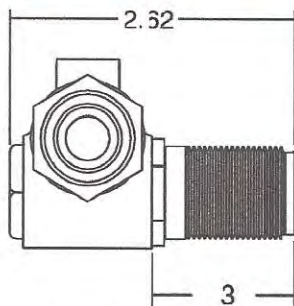
3/4" Connector
Fitting Nos. 09-17



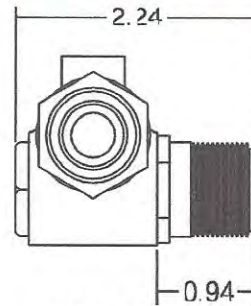
1 5/16" Connector
Fitting Nos. 18-22

Fitting Number	Description	Input Connector	Input Shaft	Drive Key	Snap Ring
01	3/8" Conn. & .181" Saw Slot Shaft	4002	4005		2006
02	3/8" Conn. & .104" Sq. Drive Key	4002	4005	4008	2006
03	3/8" Conn. & .152" Tang Drive Key	4002	4005	4018	2006
04	3/8" Conn. & .187" Tang Drive Key	4002	4005	4028	2006
05	3/8" Conn. & .203" Tang Drive Key	4002	4005	4038	2006
09	3/4" Conn. & .191" Saw Slot Shaft	4012	4015		2006
10	3/4" Conn. & .104" Sq. Drive Key	4012	4015	4048	2006
11	3/4" Conn. & .152" Tang Drive Key	4012	4015	4058	2006
12	3/4" Conn. & .187" Tang Drive Key	4012	4015	4068	2006
13	3/4" Conn. & .203" Tang Drive Key	4012	4015	4078	2006
14	3/4" Conn. & .150" Sq. Drive Key	4012	4015	4088	2006
15	3/4" Conn. & .124" Sq. Drive Key	4012	4015	4098	2006
16	3/4" Conn. & .193" Sq. Drive Key	4012	4015	4108	2006
17	3/4" Conn. & .150" Int. Sq. Drive Shaft	4012	4025		
18	1 5/16" Conn. & .161" Saw Slot Shaft	4032	4035		
19	1 5/16" Conn. & .191" Saw Slot Shaft	4032	4055		2006
20	1 5/16" Conn. & .150" Int. Sq. Drive Shaft	4032	4065		
22	1 5/16" Conn. & .203" Tang Drive Key	4032	4055	4078	2006

OUTPUT CHART



1 5/16" Connector
Fitting Nos. 01-05



15/16" Connector
Fitting No. 06

Fitting Number	Description	Output Connector	Output Shaft
01	1 5/16" Connector & .105" Int. Sq. Shaft	4003	4006
02	1 5/16" Connector & .150" Int. Sq. Shaft	4003	4016
03	1 5/16" Connector & .161" Saw Slot Shaft	4003	4026
04	1 5/16" Connector & .191" Saw Slot Shaft	4003	4036
05	1 5/16" Connector & .213" Saw Slot Shaft	4003	4046
06	15/16" Connector & .161" Saw Slot Shaft	4013	4056

G E A R C H A R T



Ratio*	Drive Teeth	Driven Teeth	Right Hand Gears 40 & 43 Series		Left Hand Gears 41 & 42 Series	
			Drive Part No.	Driven Part No.	Drive Part No.	Driven Part No.
0.250	3	12	4002501	4002502	4102501	4102502
0.467	7	15			4104671	4104672
0.500	7	14	4005001	4005002	4105001	4105002
0.556	11	20	4005501	4005502		
0.562	9	16			4105621	4105622
0.571	8	14	4005711	4005712	4105711	4105712
0.588	10	17			4105881	4105882
0.611	11	18	4006111	4006112	4106111	4106112
0.625	10	16	4006251	4006252		
0.636	7	11			4106361	4106362
0.647	11	17	4006471	4006472	4106471	4106472
0.667	10	15			4106671	4106672
0.687	11	16	4006871	4006872	4106871	4106872
0.705	12	17			4107051	4107052
0.714	10	14			4107141	4107142
0.733	11	15	4007331	4007332	4107331	4107332
0.750	12	16	4007501	4007502	4107501	4107502
0.769	10	13	4007691	4007692		
0.786	11	14	4007861	4007862	4107861	4107862
0.800	8	10			4108001	4108002
0.818	9	11	4008181	4008182	4108181	4108182
0.833	10	12	4008331	4008332	4108331	4108332
0.857	12	14			4108571	4108572
0.866	13	15	4008661	4008662	4108661	4108662
0.882	15	17	4008821	4008822	4108821	4108822
0.909	10	11	4009091	4009092		
0.923	12	13	4009231	4009232	4109231	4109232
0.929	13	14	4009291	4009292	4109291	4109292
0.937	15	16			4109371	4109372
0.941	16	17	4009411	4009412		
0.950	19	20	4009501	4009502		
1.000	10	10	4010001	4010001	4110001	4110001
1.055	19	18	4010551	4010552		
1.062	17	16	4010621	4010622		
1.077	14	13	4010771	4010772	4110771	4110772
1.100	11	10	4011001	4011002	4111001	4111002
1.134	17	15	4011341	4011342	4111341	4111342
1.167	14	12	4011671	4011672	4111671	4111672
1.200	12	10	4012001	4012002	4112001	4112002
1.214	17	14	4012141	4012142		
1.250	10	8	4012501	4012502	4112501	4112502
1.272	14	11			4112721	4112722
1.300	13	10	4013001	4013002	4113001	4113002
1.333	16	12			4113331	4113332
1.363	15	11	4013631	4013632	4113631	4113632
1.400	14	10	4014001	4014002	4114001	4114002
1.461	19	13	4014611	4014612		
1.500	15	10	4015001	4015002	4115001	4115002
1.583	19	12	4015831	4015832		
1.667	15	9	4016671	4016672		
2.000	14	7	4020001	4020002	4120001	4120002

*Note: Ratio equals number of Drive Teeth divided by number of Driven Teeth.





40, 41, 42, 43 ADAPTERS

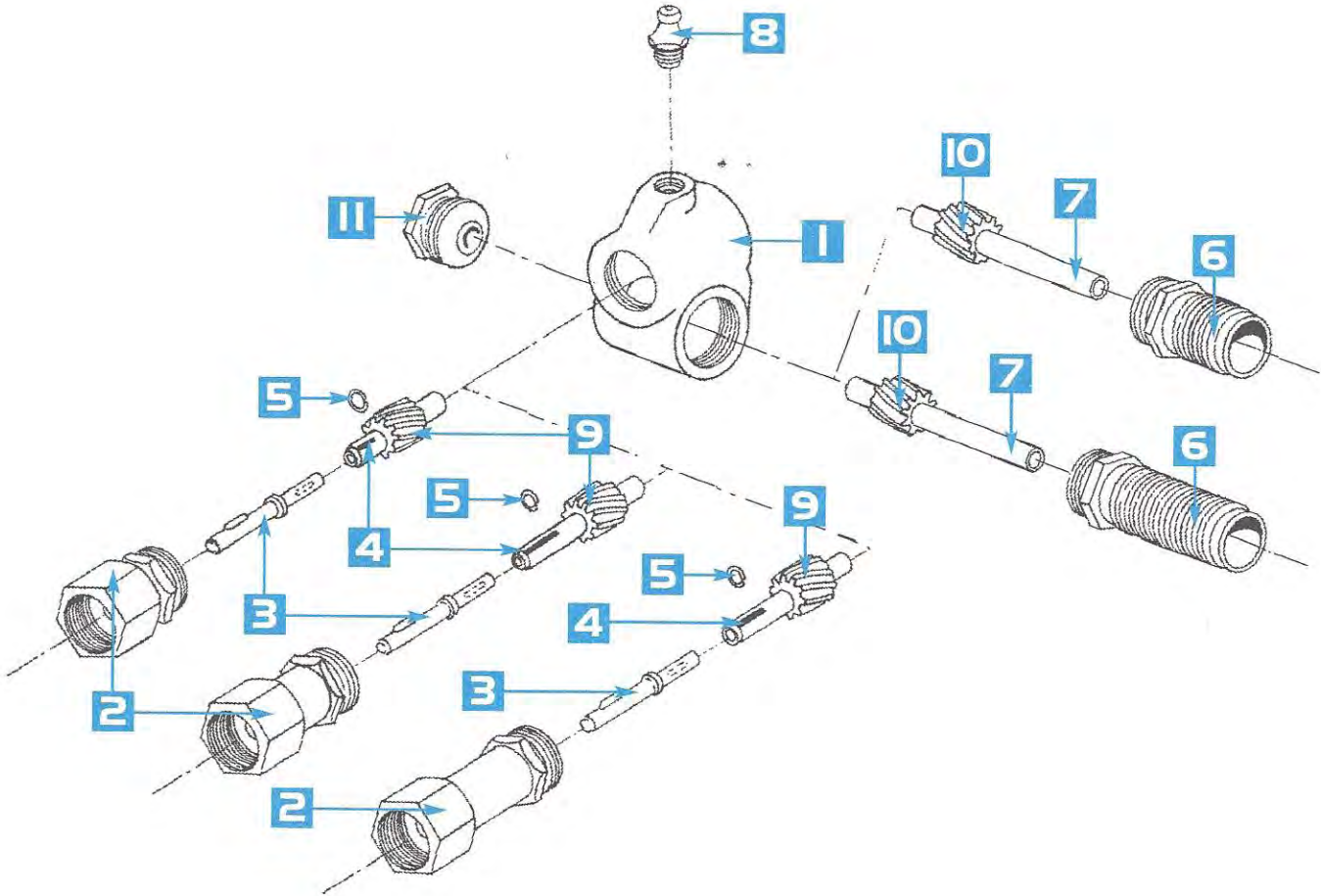


ILLUSTRATION KEY

Key	Part Number	Description
1	3001	Adapter Case
2	see Input Chart Page 10	Drive Connection -- Input
3	see Input Chart Page 10	Drive Key -- Input
4	see Input Chart Page 10	Drive Shaft -- Input
5	see Input Chart Page 10	Snap Ring
6	see Output Chart Page 10	Driven Connection -- Output
7	see Output Chart Page 10	Driven Shaft -- Output
8	8805 4004	Grease Fitting Grease Plug (not illustrated)
9	see Gear Chart Page 11	Drive Gear
10	see Gear Chart Page 11	Driven Gear
11	4007	Cap Assembly

SINGLE RIGHT ANGLE DRIVE ADAPTER KITS

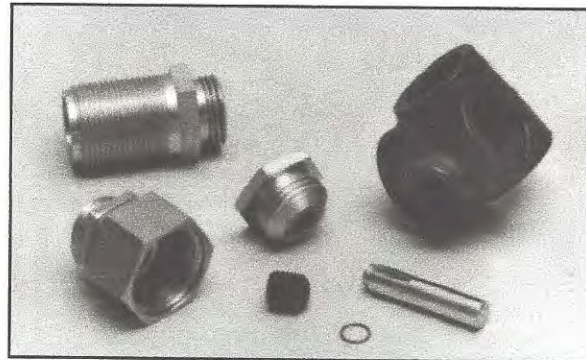


Simplify inventory and re-ordering. These kits contain all common parts necessary to build one right angle drive adapter.

Drive Keys and Output Shafts from 4000-PK, and Gears from 4000-GKT must also be used.

4000-KT

For Right Angle Drive Adapters with 3/8" Input Connector



Part No.	Description	Quantity
2006	Snap Ring	1
3001	Case	1
4002	Input Connector	1
4003	Output Connector	1
4004	Grease Plug	1
4005	Input Shaft	1
4007	Cap	1

4001-KT

For Right Angle Drive Adapters with 3/4" Input Connector



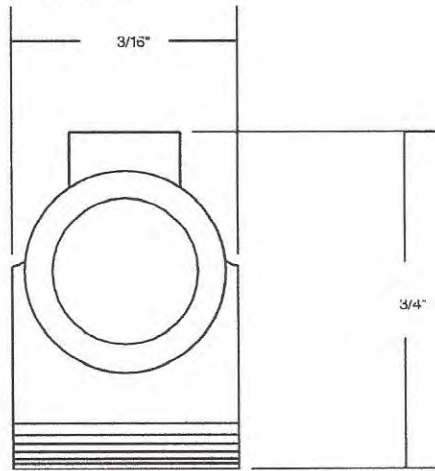
Part No.	Description	Quantity
2006	Snap Ring	1
3001	Case	1
4003	Output Connector	1
4004	Grease Plug	1
4007	Cap	1
4012	Input Connector	1
4015	Input Shaft	1



DRIVE ADAPTER COMPONENTS

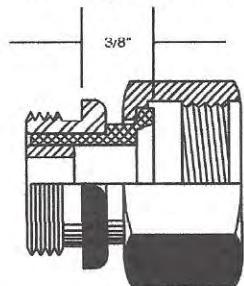
CASES

3001 Case

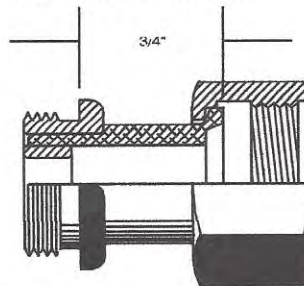


INPUT CONNECTORS

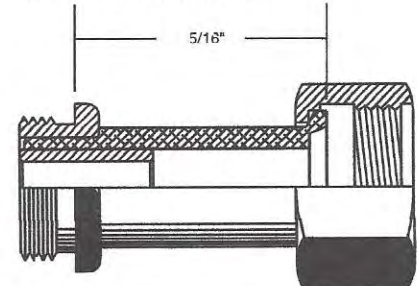
4002 Input Connector



4012 Input Connector

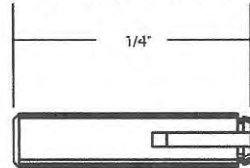


4032 Input Connector

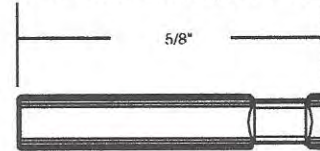


INPUT SHAFTS

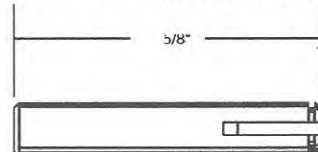
4005 .181" Saw Slot, 3/8" Connector



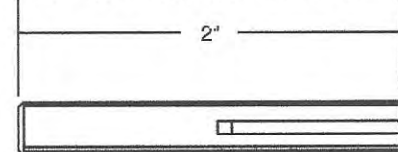
4025 .150" Int. Sq., 3/4" Connector



4015 .191" Saw Slot, 3/4" Connector



4035 .161" Saw Slot, 1 5/16" Connector

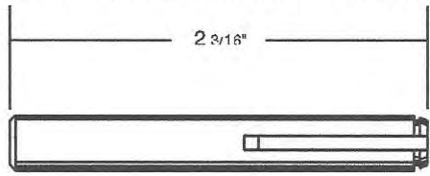


DRIVE ADAPTER COMPONENTS

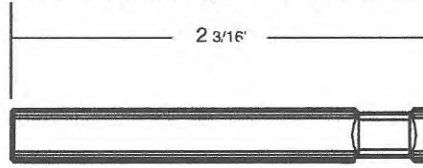


INPUT SHAFTS

4055 .191" Saw Slot, 1 5/16" Connector

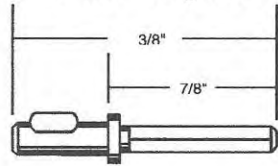


4065 .150" Int. Sq., 1 5/16" Connector

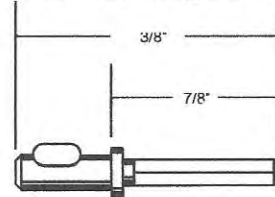


DRIVE KEYS

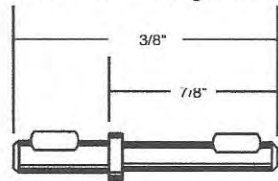
4008 .172" Tang x .104" Square



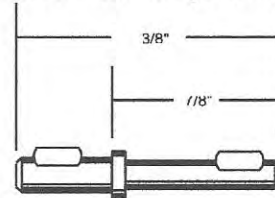
4048 .187" Tang x .104" Square



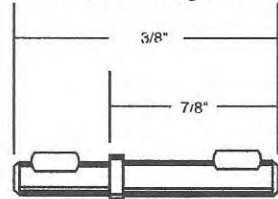
4018 .172" Tang x .152" Tang



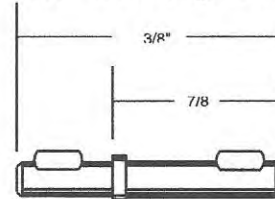
4058 .187" Tang x .152" Tang



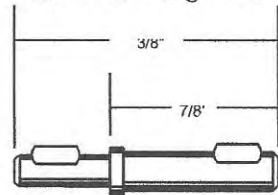
4028 .172" Tang x .187" Tang



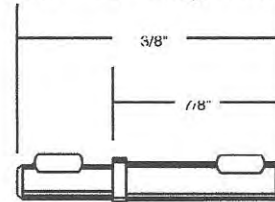
4068 .187" Tang x .187" Tang



4038 .172" Tang x .203" Tang



4078 .187" Tang x .203" Tang

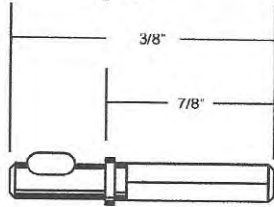




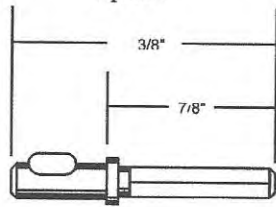
DRIVE ADAPTER COMPONENTS

DRIVE KEYS

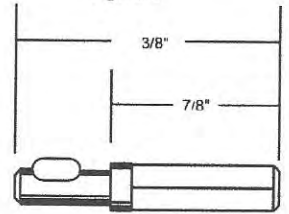
4088 .187" Tang x .150" Square



4098 .187" Tang x .124" Square

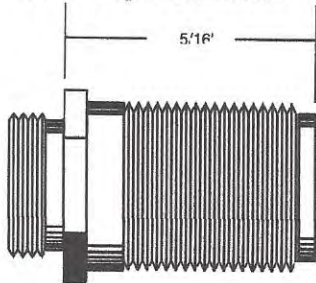


4108 .187" Tang x .193" Square

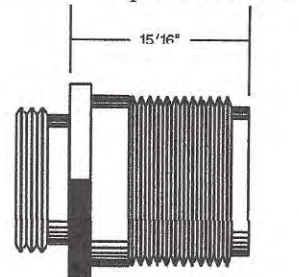


OUTPUT CONNECTORS

4003 Output Connector

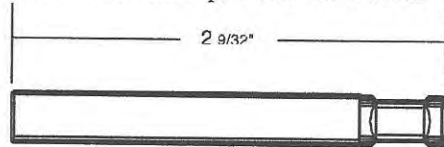


4013 Output Connector

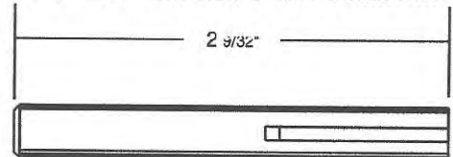


OUTPUT SHAFTS

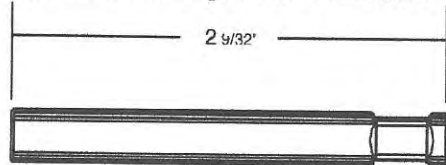
4006 .105" Int. Sq., 1 5/16" Connector



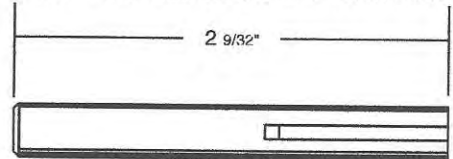
4036 .191" Saw Slot, 1 5/16" Connector



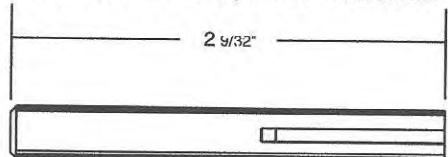
4016 .150" Int. Sq., 1 5/16" Connector



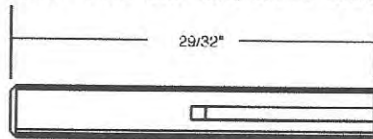
4046 .213" Saw Slot, 1 5/16" Connector



4026 .161" Saw Slot, 1 5/16" Connector



4056 .161" Saw Slot, 15/16" Connector



NEW PRODUCT



8800 Series Universal Ratio Adapter

Reversible case for either straight-thru or offset assembly. Uses the same tips, shafts, and gears as 7700 Series — reduces inventory! All metal, zinc diecast construction. Case hardened, zinc plated bushings. Tips and shafts are zinc plated, rust resistant. Provision for grease fitting.

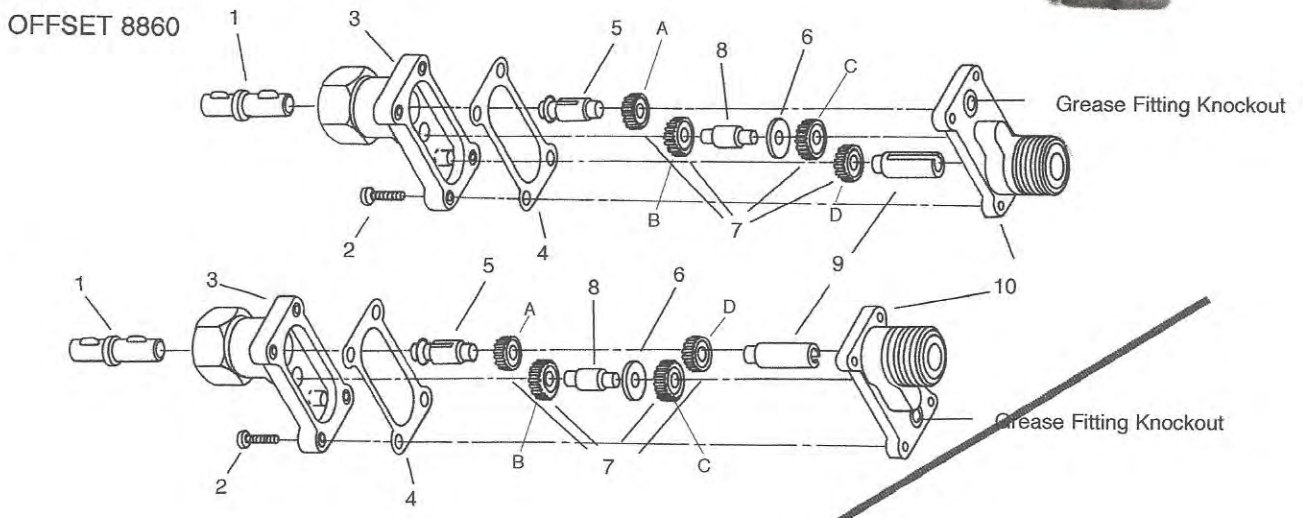
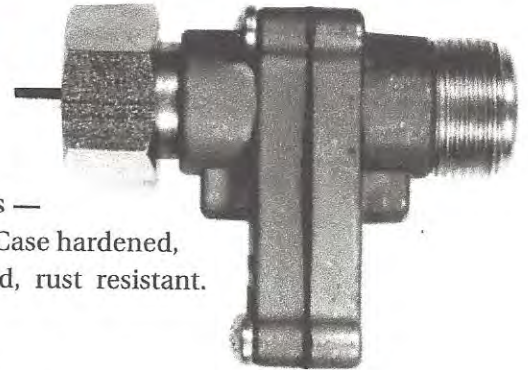


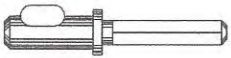
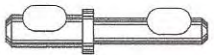
ILLUSTRATION KEY

Item No.	Description	Part No.
1	Drive Tip	(see page 60)
2	Screw	8804
3	Input Case - Drive End (transmission)	8802
4	Gasket	8803
5	Drive (Input) Shaft and Retaining Ring	(see page 60)
6	Intermediate Washer	IW-3326
7	Gears "A" "B" "C" & "D" positions	(see pages 68 & 69)
8	Intermediate Shaft	IS-3787
9	Driven Shaft	(see page 60)
10	Output Case - Driven End (instrument)	8801



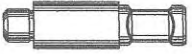

8 8 0 0 S E R I E S

D R I V E T I P S

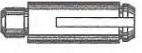
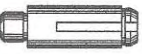
Part No.	Drive End	Illustration
7713	.104" Square	
7717	.150" Square	
7718	.124" Square	
7721	.193" Square	
7714	.152" Tang	
7715	.187" Tang	
7716	.203" Tang	

Note: Internal End of all Drive Tips is .187" Tang.

D R I V E N S H A F T S (O U T P U T)

Part No.	Drive End	Illustration
7708	.105" Int. Square	
7720	.151" Int. Square	
7709	.161" Saw Slot	
7710	.191" Saw Slot	
7711	.213" Saw Slot	

D R I V E S H A F T S (I N P U T)

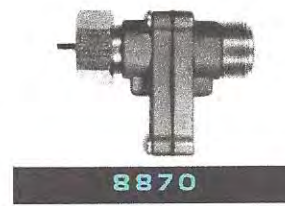
Part No.	Drive End	Illustration
7706	.191" Saw Slot	
7723	.161" Saw Slot	
7712	(7706 with 7707 Retaining Clip)	



Factory Built Ratio Adapters

Follow these steps to order ratio adapters as complete assemblies:

1. Choose the Series —



2. Select Drive Tip and Driven Shaft combination from charts below; read across for corresponding Base Number.
3. Determine the Ratio needed —
use Cable Revolution Counter and Gear Chart -or-
use the ratio from the old adapter -or-
use a competitor's part number.
4. For 8800 Series only: If optional Grease Fitting is desired, change last digit of Base Number to "1"

Use Base Number and Ratio when ordering.

6600 SERIES (OFFSET)

Drive Tip	Driven Shaft	Base No.
.104" Sq.	.105" Int. Sq.	6600A
.104" Sq.	.161" Saw Slot	6600B
.104" Sq.	.191" Saw Slot	6600C
.104" Sq.	.213" Saw Slot	6600D
.152" Tang	.105" Int. Sq.	6600E
.152" Tang	.161" Saw Slot	6600F
.152" Tang	.191" Saw Slot	6600G
.152" Tang	.213" Saw Slot	6600H
.161" Slot	.161" Saw Slot	6600I
.187" Tang	.105" Int. Sq.	6600J
.187" Tang	.161" Saw Slot	6600K
.187" Tang	.191" Saw Slot	6600L
.187" Tang	.213" Saw Slot	6600M
.203" Tang	.105" Int. Sq.	6600N
.203" Tang	.161" Saw Slot	6600P
.203" Tang	.191" Saw Slot	6600Q
.203" Tang	.213" Saw Slot	6600R
.193" Sq.	.194" Int. Sq.	6600S
.150" Sq.	.151" Int. Sq.	6600T

7700 SERIES (STRAIGHT-THRU)

Drive Tip	Driven Shaft	Base No.
.104" Sq.	.105" Int. Sq.	7700A
.104" Sq.	.161" Saw Slot	7700B
.104" Sq.	.191" Saw Slot	7700C
.104" Sq.	.213" Saw Slot	7700D
.152" Tang	.105" Int. Sq.	7700E
.152" Tang	.161" Saw Slot	7700F
.152" Tang	.191" Saw Slot	7700G
.152" Tang	.213" Saw Slot	7700H
.187" Tang	.105" Int. Sq.	7700I
.187" Tang	.161" Saw Slot	7700J
.187" Tang	.191" Saw Slot	7700K
.187" Tang	.213" Saw Slot	7700L
.203" Tang	.105" Int. Sq.	7700M
.203" Tang	.161" Saw Slot	7700N
.203" Tang	.191" Saw Slot	7700P
.203" Tang	.213" Saw Slot	7700Q
.150" Sq.	.105" Int. Sq.	7700R
.150" Sq.	.151" Int. Sq.	7700S



**8860 SERIES (OFFSET)
& 8861 SERIES
(W/GREASE FITTING)**

Drive Tip	Driven Shaft	Base No.
.104" Sq.	.105" Int. Sq.	8860A
.104" Sq.	.161" Saw Slot	8860B
.104" Sq.	.191" Saw Slot	8860C
.104" Sq.	.213" Saw Slot	8860D
.152" Tang	.105" Int. Sq.	8860E
.152" Tang	.161" Saw Slot	8860F
.152" Tang	.191" Saw Slot	8860G
.152" Tang	.213" Saw Slot	8860H
.161" Slot	.161" Saw Slot	8860I
.187" Tang	.105" Int. Sq.	8860J
.187" Tang	.161" Saw Slot	8860K
.187" Tang	.191" Saw Slot	8860L
.187" Tang	.213" Saw Slot	8860M
.203" Tang	.105" Int. Sq.	8860N
.203" Tang	.161" Saw Slot	8860P
.203" Tang	.191" Saw Slot	8860Q
.203" Tang	.213" Saw Slot	8860R
.150" Sq.	.105" Int. Sq.	8860T
.150" Sq.	.151" Int. Sq.	8860U

**8870 SERIES (STRAIGHT-THRU)
& 8871 SERIES
(W/GREASE FITTING)**

Drive Tip	Driven Shaft	Base No.
.104" Sq.	.105" Int. Sq.	8870A
.104" Sq.	.161" Saw Slot	8870B
.104" Sq.	.191" Saw Slot	8870C
.104" Sq.	.213" Saw Slot	8870D
.152" Tang	.105" Int. Sq.	8870E
.152" Tang	.161" Saw Slot	8870F
.152" Tang	.191" Saw Slot	8870G
.152" Tang	.213" Saw Slot	8870H
.161" Slot	.161" Saw Slot	8870I
.187" Tang	.105" Int. Sq.	8870J
.187" Tang	.161" Saw Slot	8870K
.187" Tang	.191" Saw Slot	8870L
.187" Tang	.213" Saw Slot	8870M
.203" Tang	.105" Int. Sq.	8870N
.203" Tang	.161" Saw Slot	8870P
.203" Tang	.191" Saw Slot	8870Q
.203" Tang	.213" Saw Slot	8870R
.150" Sq.	.105" Int. Sq.	8870T
.150" Sq.	.151" Int. Sq.	8870U



GEAR RATIO CHART DECREASING RATIOS

For Series 6600, 7700, & 8800 Adapters

Always be sure that Gear "A" drives Gear "B" and that Gear "C" drives Gear "D"
Position gears as in illustrations on pages 55–59.

RATIO	GEAR POSITION "A"	GEAR POSITION "B"	GEAR POSITION "C"	GEAR POSITION "D"	CABLE COUNTER READING
0.3746	G-477	G-478	G-483	G-484	2669
0.3860	G-485	G-486	G-483	G-484	2599
0.3882	G-477	G-478	G-487	G-488	2575
0.3961	G-489	G-490	G-483	G-484	2524
0.4000	G-485	G-486	G-487	G-488	2500
0.4105	G-489	G-490	G-487	G-488	2435
0.4135	G-475	G-476	G-483	G-484	2418
0.4186	G-477	G-478	G-477	G-478	2388
0.4286	G-475	G-476	G-487	G-488	2333
0.4313	G-477	G-478	G-485	G-486	2318
0.4342	G-479	G-480	G-483	G-484	2303
0.4427	G-477	G-478	G-489	G-490	2258
0.4444	G-485	G-486	G-485	G-486	2250
0.4500	G-479	G-480	G-487	G-488	2222
0.4503	G-491	G-492	G-483	G-484	2220
0.4561	G-485	G-486	G-489	G-490	2192
0.4621	G-475	G-476	G-477	G-478	2163
0.4667	G-491	G-492	G-487	G-488	2142
0.4681	G-489	G-490	G-489	G-490	2136
0.4761	G-475	G-476	G-485	G-486	2100
0.4825	G-472	G-473	G-483	G-484	2072
0.4859	G-477	G-478	G-479	G-480	2060
0.4887	G-475	G-476	G-489	G-490	2046
0.5000	G-479	G-480	G-485	G-486	2000
0.5018	G-481	G-482	G-483	G-484	1993
0.5032	G-477	G-478	G-491	G-492	1987
0.5102	G-475	G-476	G-475	G-476	1960
0.5108	G-493	G-494	G-483	G-484	1957
0.5131	G-479	G-480	G-489	G-490	1948
0.5185	G-491	G-492	G-485	G-486	1928
0.5200	G-481	G-482	G-487	G-488	1923
0.5294	G-493	G-494	G-487	G-488	1888
0.5321	G-489	G-490	G-491	G-492	1879
0.5357	G-479	G-480	G-475	G-476	1866
0.5392	G-477	G-478	G-472	G-473	1854
0.5555	G-472	G-473	G-485	G-486	1800
0.5607	G-477	G-478	G-481	G-482	1783
0.5625	G-479	G-480	G-479	G-480	1777
0.5701	G-472	G-473	G-489	G-490	1753
0.5709	G-477	G-478	G-493	G-494	1751
0.5777	G-481	G-482	G-485	G-486	1730
0.5789	G-474	G-474	G-483	G-484	1727
0.5833	G-479	G-480	G-491	G-492	1714
0.5882	G-485	G-486	G-493	G-494	1700
0.5929	G-481	G-482	G-489	G-490	1686
0.5952	G-475	G-476	G-472	G-473	1680
0.6000	G-474	G-474	G-487	G-488	1666
0.6037	G-489	G-490	G-493	G-494	1656
0.6049	G-491	G-492	G-491	G-492	1653
0.6190	G-475	G-476	G-481	G-482	1615
0.6250	G-472	G-473	G-479	G-480	1600
0.6302	G-475	G-476	G-493	G-494	1586
0.6471	G-477	G-478	G-474	G-474	1545
0.6481	G-472	G-473	G-491	G-492	1542
0.6500	G-479	G-480	G-481	G-482	1538
0.6561	G-494	G-493	G-483	G-484	1524
0.6617	G-479	G-480	G-493	G-494	1511
0.6666	G-474	G-474	G-485	G-486	1500
0.6680	G-482	G-481	G-483	G-484	1497
0.6740	G-481	G-482	G-491	G-492	1483
0.6800	G-494	G-493	G-487	G-488	1470
0.6842	G-489	G-490	G-474	G-474	1461

RATIO	GEAR POSITION "A"	GEAR POSITION "B"	GEAR POSITION "C"	GEAR POSITION "D"	CABLE COUNTER READING
0.6862	G-491	G-492	G-493	G-494	1457
0.6923	G-482	G-481	G-487	G-488	1444
0.6944	G-472	G-473	G-472	G-473	1440
0.6947	G-473	G-472	G-483	G-484	1439
0.7143	G-475	G-476	G-474	G-474	1400
0.7200	G-473	G-472	G-487	G-488	1388
0.7222	G-481	G-482	G-472	G-473	1384
0.7333	G-477	G-478	G-494	G-493	1363
0.7352	G-472	G-473	G-493	G-494	1360
0.7444	G-492	G-491	G-483	G-484	1343
0.7466	G-477	G-478	G-482	G-481	1339
0.7500	G-479	G-480	G-474	G-474	1333
0.7511	G-481	G-482	G-481	G-482	1331
0.7555	G-485	G-486	G-494	G-493	1323
0.7647	G-481	G-482	G-493	G-494	1307
0.7692	G-485	G-486	G-482	G-481	1300
0.7714	G-492	G-491	G-487	G-488	1296
0.7719	G-480	G-479	G-483	G-484	1295
0.7754	G-489	G-490	G-494	G-493	1289
0.7764	G-477	G-478	G-473	G-472	1287
0.7778	G-491	G-492	G-474	G-474	1285
0.7785	G-493	G-494	G-493	G-494	1284
0.7894	G-489	G-490	G-482	G-481	1266
0.8000	G-473	G-472	G-485	G-486	1250
0.8095	G-475	G-476	G-494	G-493	1235
0.8105	G-476	G-475	G-483	G-484	1233
0.8210	G-473	G-472	G-489	G-490	1217
0.8241	G-475	G-476	G-482	G-481	1213
0.8319	G-477	G-478	G-492	G-491	1202
0.8333	G-472	G-473	G-474	G-474	1200
0.8400	G-476	G-475	G-487	G-488	1190
0.8462	G-490	G-489	G-483	G-484	1181
0.8500	G-479	G-480	G-494	G-493	1176
0.8571	G-485	G-486	G-492	G-491	1166
0.8626	G-477	G-478	G-480	G-479	1159
0.8653	G-479	G-480	G-482	G-481	1155
0.8667	G-481	G-482	G-474	G-474	1153
0.8684	G-486	G-485	G-483	G-484	1151
0.8769	G-490	G-489	G-487	G-488	1140
0.8797	G-489	G-490	G-492	G-491	1136
0.8814	G-491	G-492	G-494	G-493	1134
0.8824	G-493	G-494	G-474	G-474	1133
0.8888	G-485	G-486	G-480	G-479	1125
0.8947	G-478	G-477	G-483	G-484	1117
0.8974	G-491	G-492	G-482	G-481	1114
0.9000	G-479	G-480	G-473	G-472	1111
0.9058	G-477	G-478	G-476	G-475	1103
0.9122	G-489	G-490	G-480	G-479	1096
0.9183	G-475	G-476	G-492	G-491	1088
0.9273	G-478	G-477	G-487	G-488	1078
0.9333	G-491	G-492	G-473	G-472	1071
0.9444	G-472	G-473	G-494	G-493	1058
0.9457	G-477	G-478	G-490	G-489	1057
0.9523	G-475	G-476	G-480	G-479	1050
0.9578	G-489	G-490	G-476	G-475	1043
0.9615	G-472	G-473	G-482	G-481	1040
0.9642	G-479	G-480	G-492	G-491	1037
0.9705	G-477	G-478	G-486	G-485	1030
0.9743	G-485	G-486	G-490	G-489	1026
0.9822	G-481	G-482	G-494	G-493	1018
1.0000	G-472	G-473	G-473	G-472	1000

Consult factory

GEAR RATIO CHART INCREASING RATIOS



For Series 6600, 7700, & 8800 Adapters

Always be sure that Gear "A" drives Gear "B" and that Gear "C" drives Gear "D"
Position gears as in illustrations on pages 55–59.

RATIO	GEAR POSITION "A"	GEAR POSITION "B"	GEAR POSITION "C"	GEAR POSITION "D"	CABLE COUNTER READING
2.6694	G-484	G-483	G-478	G-477	0375
2.5999	G-484	G-483	G-486	G-485	0386
2.5758	G-488	G-487	G-478	G-477	0388
2.5245	G-484	G-483	G-490	G-489	0396
2.5000	G-488	G-487	G-486	G-485	0400
2.4359	G-488	G-487	G-490	G-489	0411
2.4182	G-484	G-483	G-476	G-475	0414
2.3884	G-478	G-477	G-478	G-477	0419
2.3333	G-488	G-487	G-476	G-475	0429
2.3182	G-486	G-485	G-478	G-477	0431
2.3030	G-484	G-483	G-480	G-479	0434
2.2587	G-490	G-489	G-478	G-477	0443
2.2500	G-486	G-485	G-486	G-485	0444
2.2222	G-488	G-487	G-480	G-479	0450
2.2208	G-484	G-483	G-492	G-491	0450
2.1923	G-490	G-489	G-486	G-485	0456
2.1636	G-478	G-477	G-476	G-475	0462
2.1429	G-488	G-487	G-492	G-491	0467
2.1361	G-490	G-489	G-490	G-489	0468
2.1000	G-486	G-485	G-476	G-475	0476
2.0727	G-484	G-483	G-473	G-472	0483
2.0606	G-480	G-479	G-478	G-477	0486
2.0462	G-490	G-489	G-476	G-475	0489
2.0000	G-486	G-485	G-480	G-479	0500
1.9930	G-484	G-483	G-482	G-481	0502
1.9870	G-492	G-491	G-478	G-477	0503
1.9600	G-476	G-475	G-476	G-475	0510
1.9576	G-484	G-483	G-494	G-493	0511
1.9487	G-490	G-489	G-480	G-479	0513
1.9286	G-486	G-485	G-492	G-491	0518
1.9231	G-488	G-487	G-482	G-481	0520
1.8889	G-488	G-487	G-494	G-493	0529
1.8790	G-492	G-491	G-490	G-489	0532
1.8667	G-476	G-475	G-480	G-479	0535
1.8545	G-473	G-472	G-478	G-477	0539
1.8000	G-486	G-485	G-473	G-472	0555
1.7831	G-482	G-481	G-478	G-477	0560
1.7778	G-480	G-479	G-480	G-479	0562
1.7538	G-490	G-489	G-473	G-472	0570
1.7515	G-494	G-493	G-478	G-477	0571
1.7307	G-486	G-485	G-482	G-481	0577
1.7273	G-484	G-483	G-474	G-474	0578
1.7143	G-492	G-491	G-480	G-479	0583
1.7000	G-494	G-493	G-486	G-485	0588
1.6863	G-490	G-489	G-482	G-481	0592
1.6800	G-473	G-472	G-476	G-475	0595
1.6667	G-488	G-487	G-474	G-474	0600
1.6564	G-494	G-493	G-490	G-489	0603
1.6531	G-492	G-491	G-492	G-491	0604
1.6154	G-482	G-481	G-476	G-475	0619
1.6000	G-480	G-479	G-473	G-472	0625
1.5866	G-494	G-493	G-476	G-475	0630
1.5455	G-474	G-474	G-478	G-477	0647
1.5429	G-492	G-491	G-473	G-472	0648
1.5385	G-482	G-481	G-480	G-479	0650
1.5241	G-484	G-483	G-493	G-494	0656
1.5111	G-494	G-493	G-480	G-479	0661
1.5000	G-486	G-485	G-474	G-474	0666
1.4970	G-484	G-483	G-481	G-482	0668
1.4835	G-492	G-491	G-482	G-481	0674
1.4706	G-488	G-487	G-493	G-494	0680
1.4615	G-474	G-474	G-490	G-489	0684

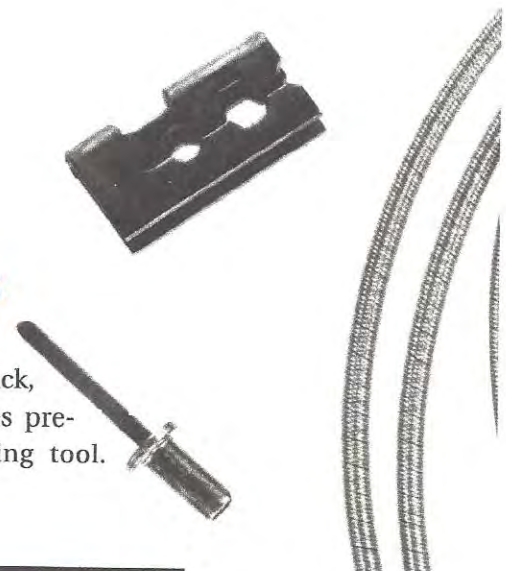
RATIO	GEAR POSITION "A"	GEAR POSITION "B"	GEAR POSITION "C"	GEAR POSITION "D"	CABLE COUNTER READING
1.4571	G-494	G-493	G-492	G-491	0686
1.4444	G-488	G-487	G-481	G-482	0692
1.4400	G-473	G-472	G-473	G-472	0694
1.4394	G-484	G-483	G-472	G-473	0695
1.4000	G-474	G-474	G-476	G-475	0714
1.3889	G-488	G-487	G-472	G-473	0720
1.3846	G-473	G-472	G-482	G-481	0722
1.3636	G-493	G-494	G-478	G-477	0733
1.3600	G-494	G-493	G-473	G-472	0735
1.3434	G-484	G-483	G-491	G-492	0744
1.3394	G-481	G-482	G-478	G-477	0747
1.3333	G-474	G-474	G-480	G-479	0750
1.3314	G-482	G-481	G-482	G-481	0751
1.3235	G-493	G-494	G-486	G-485	0756
1.3077	G-494	G-493	G-482	G-481	0765
1.3000	G-481	G-482	G-486	G-485	0769
1.2963	G-488	G-487	G-491	G-492	0771
1.2955	G-484	G-483	G-479	G-480	0772
1.2896	G-493	G-494	G-490	G-489	0775
1.2878	G-472	G-473	G-478	G-477	0776
1.2857	G-474	G-474	G-492	G-491	0778
1.2844	G-494	G-493	G-494	G-493	0779
1.2666	G-481	G-482	G-490	G-489	0789
1.2500	G-486	G-485	G-472	G-473	0800
1.2353	G-493	G-494	G-476	G-475	0809
1.2338	G-484	G-483	G-475	G-476	0810
1.2179	G-490	G-489	G-472	G-473	0821
1.2133	G-481	G-482	G-476	G-475	0824
1.2020	G-491	G-492	G-478	G-477	0832
1.2000	G-474	G-474	G-473	G-472	0833
1.1905	G-488	G-487	G-475	G-476	0840
1.1818	G-484	G-483	G-489	G-490	0846
1.1765	G-493	G-494	G-480	G-479	0850
1.1667	G-491	G-492	G-486	G-485	0857
1.1590	G-479	G-480	G-478	G-477	0862
1.1555	G-481	G-482	G-480	G-479	0865
1.1538	G-474	G-474	G-482	G-481	0866
1.1515	G-484	G-483	G-485	G-486	0868
1.1404	G-488	G-487	G-489	G-490	0876
1.1368	G-491	G-492	G-490	G-489	0879
1.1344	G-493	G-494	G-492	G-491	0881
1.1333	G-474	G-474	G-494	G-493	0882
1.1250	G-479	G-480	G-486	G-485	0888
1.1176	G-484	G-483	G-477	G-478	0894
1.1143	G-481	G-482	G-492	G-491	0897
1.1111	G-472	G-473	G-480	G-479	0900
1.1038	G-475	G-476	G-478	G-477	0905
1.0961	G-479	G-480	G-490	G-489	0912
1.0888	G-491	G-492	G-476	G-475	0918
1.0784	G-488	G-487	G-477	G-478	0927
1.0714	G-472	G-473	G-492	G-491	0933
1.0588	G-493	G-494	G-473	G-472	0944
1.0574	G-489	G-490	G-478	G-477	0945
1.0500	G-479	G-480	G-476	G-475	0952
1.0439	G-475	G-476	G-490	G-489	0957
1.0400	G-481	G-482	G-473	G-472	0961
1.0370	G-491	G-492	G-480	G-479	0964
1.0303	G-485	G-486	G-478	G-477	0970
1.0263	G-489	G-490	G-486	G-485	0974
1.0181	G-493	G-494	G-482	G-481	0982
1.0000	G-472	G-473	G-473	G-472	1000

Consult factory for availability.



NEW PRODUCT! Core Wire Replacement Kits

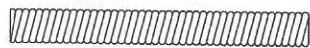
For replacement of inner core wire only in automotive, light truck, and heavy duty speedometer and tachometer cables. Includes pre-squared core wire, instrument tip, and disposable crimping tool. Individually packaged in poly-bag. Instructions included.



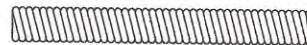
Part No.	Core Wire	Length
130-085K	.130"	85"
130-120K	.130"	120"
130-173K	.130"	173"
150-072K	.150"	72"
150-110K	.150"	110"
150-185K	.150"	185"

Bulk Inner Core Wire

Meets or exceeds OEM specifications. Multi-strand, High Torque, Quiet, Flexible, Non-raveling. Made in U.S.A.



Left Hand Lay (LHL)



Right Hand Lay (RHL)

Part No.	Dia./Lay	Length
130-100	.130" LHL	100 Ft.
130-100 RHL	.130" RHL	100 Ft.
130-500	.130" LHL	500 Ft.
150-100	.150" LHL	100 Ft.
150-100 RHL	.150" RHL	100 Ft.
150-500	.150" LHL	500 Ft.
187-100	.187" LHL	100 Ft.
187-100 RHL	.187" RHL	100 Ft.

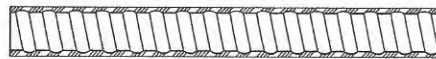


Bulk Outer Casing

Dual Plastic Casing is highly flexible, and made with a nylon inner liner, wire mesh reinforcement, and polypropylene cover. Coil Steel Casing is available bare, or covered with extruded polypropylene. Ferrules fit over O.D. of all casings. Temperature Range of High Temp. Casing is -40°F to +280°F. All Casing Made in U.S.A.



Dual Plastic



Covered Steel



Bare Steel

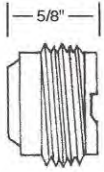
Part No.	O.D.	Description	Length
15L-100	.297"	Covered Steel	100'
17L-100	.330"	Covered Steel	100'
27L-100	.330"	Dual Plastic	100'
27L-250	.330"	Dual Plastic	250'
27LHT-100	.330"	High Temp., Dual Plastic	100'
37L-100	.420"	Dual Plastic	100'
37L-250	.420"	Dual Plastic	250'
37LHT-100	.420"	High Temp., Dual Plastic	100'
46L-100	.445"	Bare Steel	100'
47L-100	.445"	Covered Steel	100'
57LHT-100	.330"	High Temp., Dual Plastic	100'
64L-100	.250"	Bare Steel	100'

Note: 57LHT Casing will accept .150 Core Wire.



C A B L E P A R T S

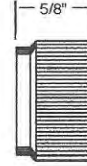
N U T S



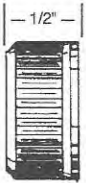
C-20
5/8" - 18 Internal Thread w/
7/8" - 18 External Thread
Adapter Nut.



D-15
7/8" - 18 Hex Dichromate
Plated *NLA*



D-40
7/8" - 18 Round Cadmium Plated



D-2
7/8" - 18 Round



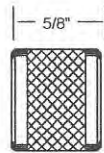
D-17
5/8" - 18 Round



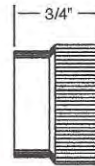
D-48
1/2" - 26 Hex Whitworth



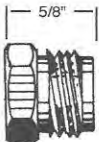
D-11
5/8" - 18 Hex



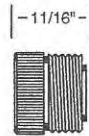
D-25
3/4" - 16 Round for B-35



D-49
5/8" - 18 Round *NLA*



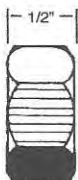
D-12
5/8" - 18 Hex Male



D-29
3/4" - 20 Round Male



D-102
5/8" - 18 Hex w/ Lock Recess *NLA*



D-14
7/8" - 18 Hex



D-38
7/8" - 18 Round



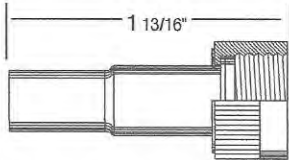
SA-20
7/8" Ex. Adapter Sleeve *NLA*



FERRULES

FERRULES FOR .250" CASING

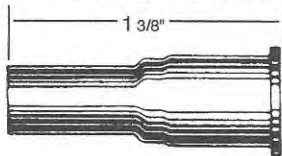
SO-13 UPPER w/ 5/8" - 18 Round Nut



B-53 LOWER (Replaces NH-23)

FERRULES FOR .297" CASING

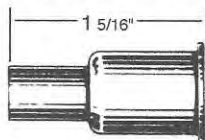
B-8 UPPER (Replaces B-9M) (Use w/ D-17 & D-11)



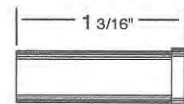
B-29 UPPER 7/8" - 18 Male (Replaces B-23M)



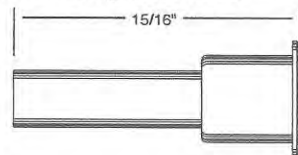
B-33 LOWER (Use w/ D-14 & D-2) Replaces B-26M



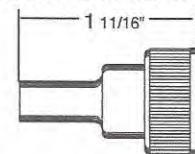
B-53 LOWER (Replaces NH-23)



B-54 LOWER (Replaces NH-25)

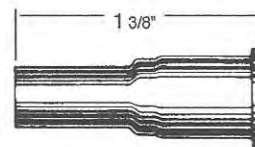


SO-39 LOWER B-33 & D-2, 7/8" - 18 Nut



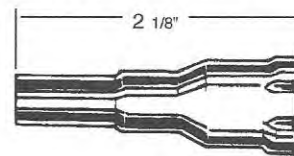
FERRULES FOR .330" CASING

B-9 UPPER (Use w/ D-17 & D-11)

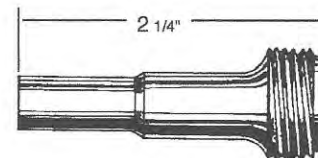


B-18 UPPER for SO-12

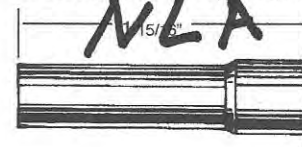
B-19 UPPER GM quick connect



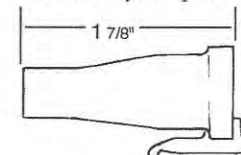
B-23 UPPER 7/8" - 18 Male Extension



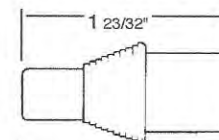
B-47 UPPER (Use w/ D-17, D-11, & D-12 Nuts)



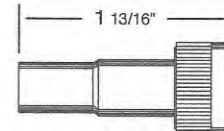
C-11 UPPER Chrysler quick connect (Use B-44 crimp ring)



C-41 UPPER Chrysler quick connect (Use B-44 crimp ring)



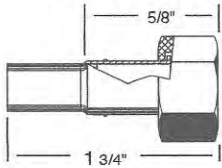
SO-9 UPPER B-9 & D-17, 5/8" - 18 Nut



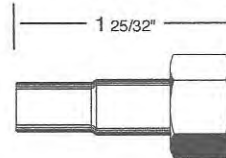


FERRULES FOR .330" CASING CONTINUED

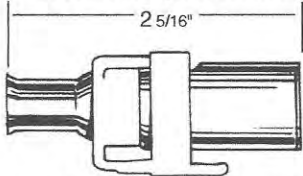
SO-11 UPPER SO-38 w/ W-114 bushing, 5/8" - 18 Nut



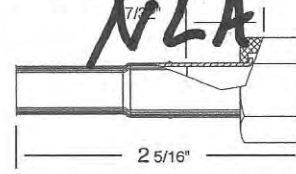
SO-38 UPPER B-9 & D-11, 5/8" - 18 Nut



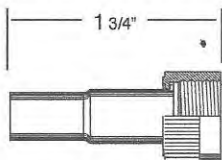
SO-12 UPPER Ford quick connect



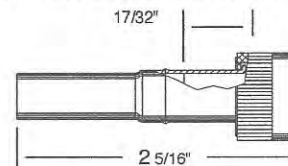
SO-47 UPPER SO-49 & D-11, 5/8" - 18 Nut



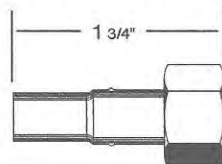
SO-15 UPPER B-9, D-17 & F20, 5/8" - 18 Nut



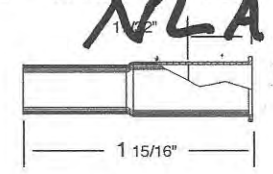
SO-48 UPPER B-47 & D-17, 5/8" - 18 Nut



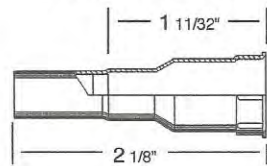
SO-17 UPPER B-9 & D-11, 5/8" - 18 Nut



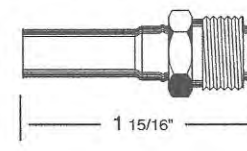
SO-49 UPPER B-47 & W-103



SO-19 UPPER GM quick connect (B-19 w/ W-119 bushing)



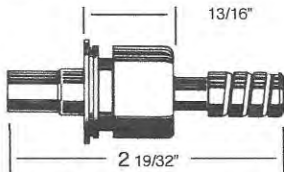
SO-54 UPPER B-47 & D-12, 5/8" - 18 Male Nut



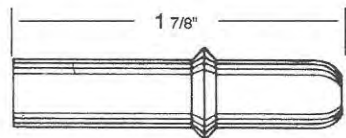


FERRULES FOR .330" CASING CONTINUED

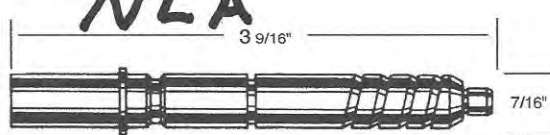
A-55 LOWER Ford plug-in



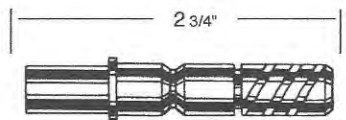
A-60 LOWER Ford plug-in



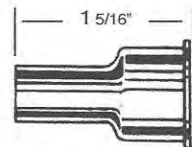
A-61 LOWER Chrysler plug-in



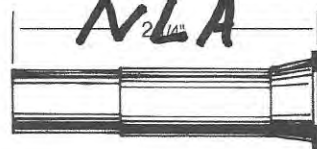
A-62 LOWER Chrysler plug-in



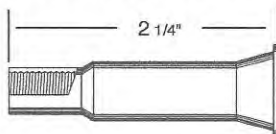
B-26 LOWER (Use w/ D-14 & D-2)



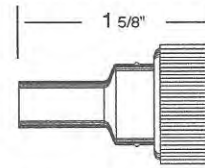
B-32 LOWER (Use w/ D-14 & D-2)



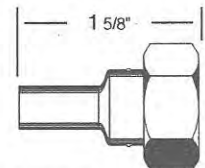
B-45 LOWER w/ threaded I.D.



SO-26 LOWER B-26 & D-2, 7/8" - 18 Nut



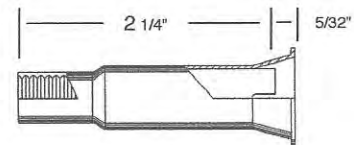
SO-27 LOWER B-26 & D-14, 7/8" - 18 Nut (Replaces SO-26H)



SO-32 LOWER compensating



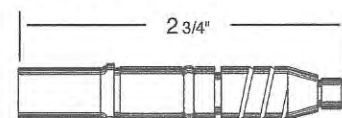
SO-45 LOWER Compensating w/ threaded I.D.



SO-61 LOWER A-61 & F-18



SO-62 LOWER A-62 & F-18



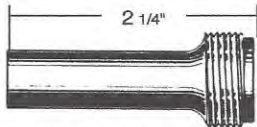


CABLE PARTS

FERRULES

FERRULES FOR .420" CASING

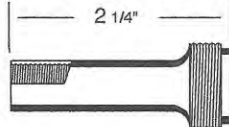
B-24 UPPER 7/8" - 18 Male Extension



B-31 UPPER for SO-21 Ferrule
NLA



B-34 UPPER 7/8" - 18 Male Extension w/ threaded I.D.



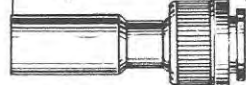
B-40 UPPER For SO-44 w/ threaded I.D.
NLA



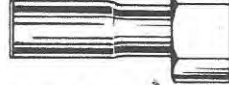
B-50 UPPER
NLA



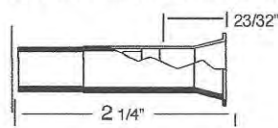
SO-21 UPPER B-31 & D-17, 5/8" - 18 Nut
NLA



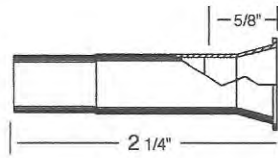
SO-31 UPPER B-31 & D-11, 5/8" - 18 Nut (Replaces SO-21H)
NLA



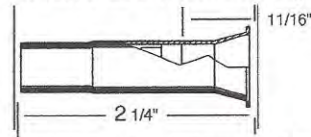
SO-41 UPPER B-22 & W-112 .72" Depth



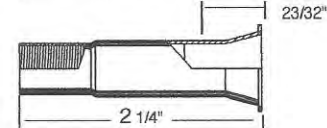
SO-42 UPPER B-22 & W-112 Bushing .52" Depth



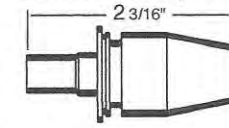
SO-46 UPPER B-22 & W-112 Bushing .65" Depth



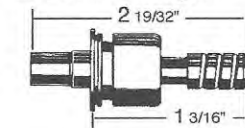
SO-53 UPPER SO-41 w/ Threaded I.D.



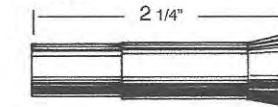
A-24 LOWER Ford Plug-in



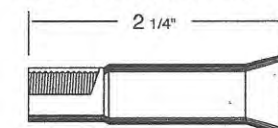
A-58 LOWER Ford Plug-In



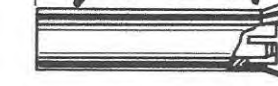
B-22 LOWER



B-27 LOWER w/ threaded I.D.



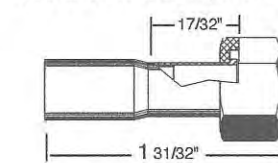
SO-14 LOWER Compensating
NLA



SO-24 LOWER A-24 & F-19
NLA



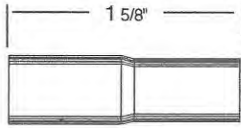
SO-44 UPPER B-40 & D-11, 5/8" - 18 Nut (Replaces SO-21HT)



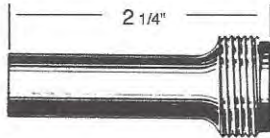


FERRULES FOR .445" CASING

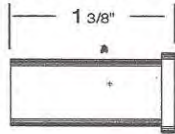
B-21 UPPER for SO-36, SO-51 & SO-43



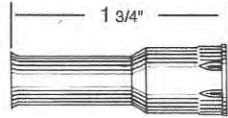
B-24 UPPER 7/8" - 18 Male Extension



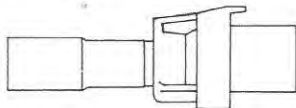
B-35 UPPER (Use w/ D-25)



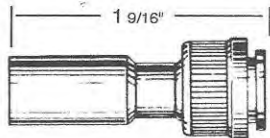
SO-33 UPPER GM Quick Connect (Replaces B-19M)



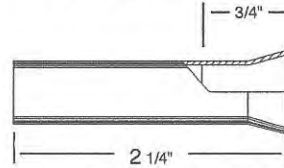
SO-34 UPPER Ford Quick Connect (Replaces SO-12M)



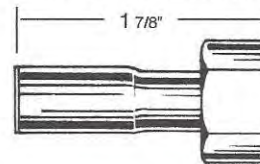
SO-36 UPPER B-21 & D-17, 5/8" - 18 Nut (Replaces SO-21M)



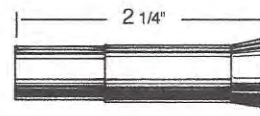
SO-37 UPPER B-28 & W-112 Bushing (Replaces SO-41M)



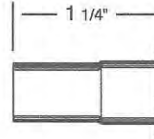
SO-43 UPPER B-21 & D-11, 5/8" - 18 Nut (Replaces SO-21HM)



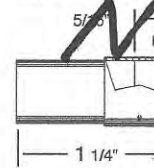
B-28 LOWER (Replaces B-22M)



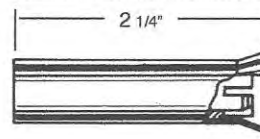
B-30 LOWER



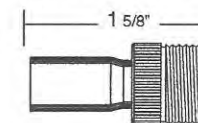
SO-30 LOWER B-30 & W-111 Bushing



SO-35 LOWER Compensating (Replaces SO-14M)



SO-51 UPPER B-31 & D-29, 3/4" - 20 Male Nut



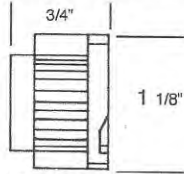


CABLE PARTS

METRIC

METRIC NUTS

C-215 Connector Plastic Volvo



D-28 16 X 1MM Round



D-41 22 X 1.5MM Hex



D-42 18 X 1.5MM Hex



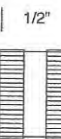
D-43 16 X 1.5MM Hex (Replaces D-16H)



D-45 16 X 1.5MM Round



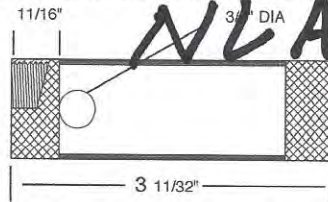
D-46 12 X 1.5MM Hex (Replaces NH-15)



D-47 22 X 1.5MM Hex (Replaces NH-20)

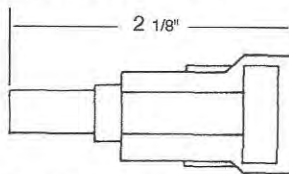


D-52 22 X 1.5MM Sleeve (Replaces S-116)

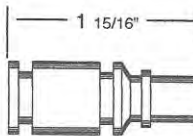


METRIC FERRULES .297" CASING

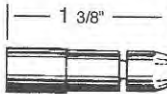
B-43 UPPER RENAULT/AMC



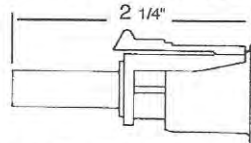
B-41 LOWER RENAULT/AMC



B-60 LOWER HONDA Plug in

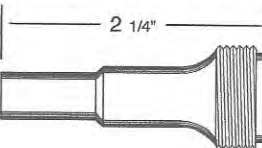


SO-25 UPPER TOYOTA Quick Connect

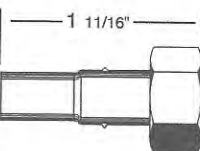


METRIC FERRULES .330" CASING

B-20 UPPER 22 X 1.5MM Male



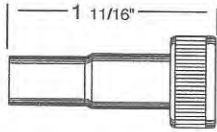
SO-18 UPPER B-9 & D-42, 18 x 1.5 mm Nut



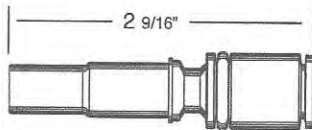


METRIC FERRULES .330" CASING CONT.

SO-28 UPPER B-9 & D-28, 16 x 1 mm Nut

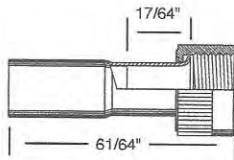


SO-96 LOWER RENAULT

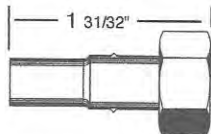


METRIC FERRULES .420" CASING

SO-100 UPPER B-31 & D-28, 16 x 1 mm Nut

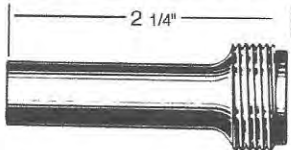


SO-101 UPPER B-31 & D-42, 18 x 1.5 mm Nut

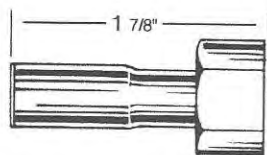


METRIC FERRULES .445" CASING

B-38 UPPER 22 X 1.5MM (Replaces B-24M)



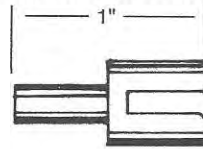
SO-16 UPPER 16 X 1.5MM



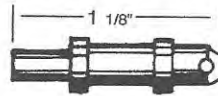
METRIC TIPS

J-68 LOWER TIP .130" Core .190" Tang - Toyota

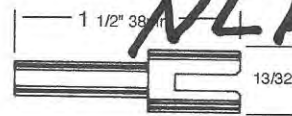
J-95 .130" Core 3.8mm Slot (Replaces NH-33)



J-96 .130" CORE VW (Replaces NH-34)

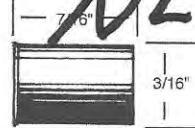


J-127 .150" CORE 3.8mm Slot (Replaces J-127MS)

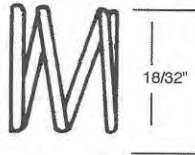


METRIC MISCELLANEOUS

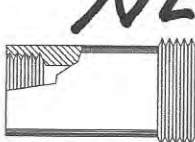
B-42 RING Crimping Use w/ B-43



G-414 SPRING INSERT use w/ C-215



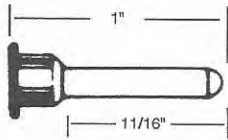
S-605 CONN. SPEED SENSOR 22x1.5mm Ext



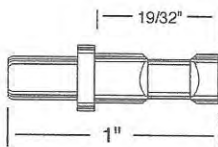


TIPS FOR .130" CORE WIRE

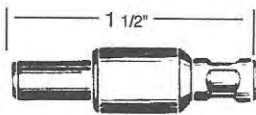
J-5 UPPER .104" Square



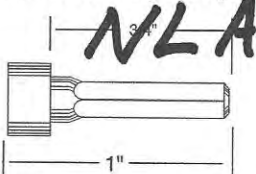
J-62 UPPER .105" Internal Square w/ collar center



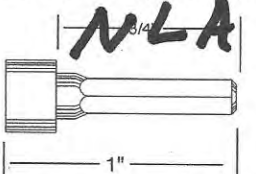
J-64 UPPER .105" Internal Square w/ barrel center



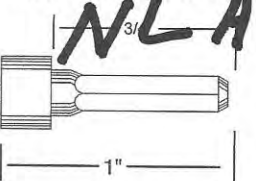
J-81 UPPER .104" Square Nylon



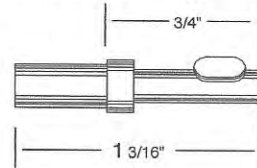
J-82 UPPER .104" Square Nylon



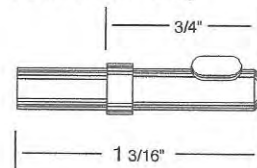
J-89 UPPER .104" Square Acetal



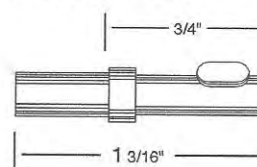
J-1 LOWER .152" Tang



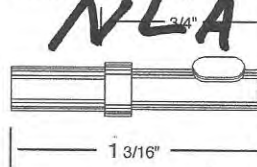
J-2 LOWER .203" Tang



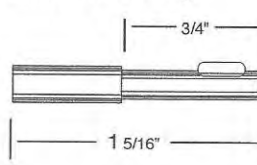
J-3 LOWER .187" Tang



J-4 LOWER .193" Tang



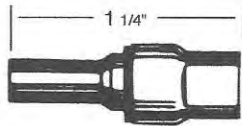
J-58 LOWER .152" Tang





TIPS CRIMP ON FOR .150" CORE WIRE

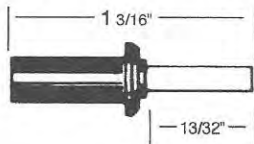
J-40 UPPER .187" Internal Square



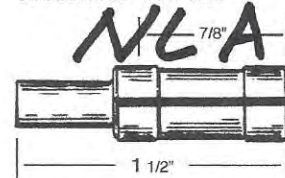
J-128 UPPER .125" Internal Square



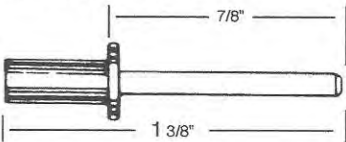
J-45 UPPER .104" Square (Replaces J-47M)



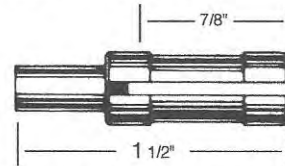
J-161 UPPER .161" Saw Slot



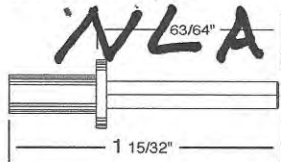
J-46 UPPER .104" Square



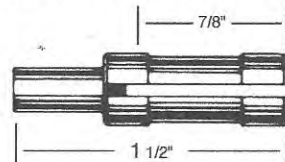
J-191 UPPER .191" Saw Slot



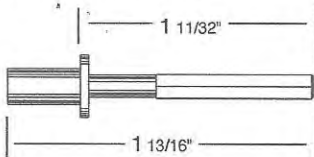
J-48 UPPER .104" Square



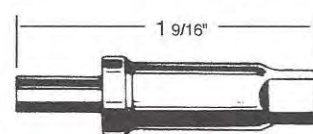
J-213 UPPER .213" Saw Slot



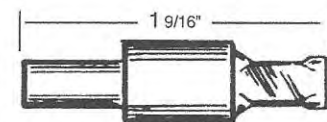
J-49 UPPER .104" Square



JB-41 UPPER .187" Internal Square



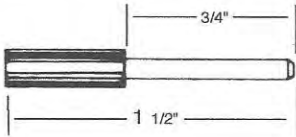
JB-53 UPPER .105" Internal Square



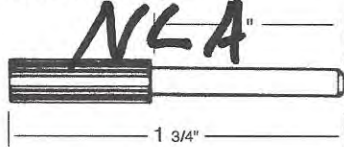


TIPS CRIMP ON FOR .150" CORE WIRE

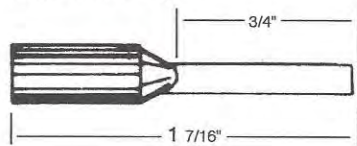
J-6 LOWER .104" Square



J-7 LOWER .150" Square



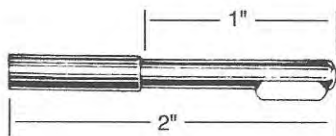
J-8 LOWER .124" Square



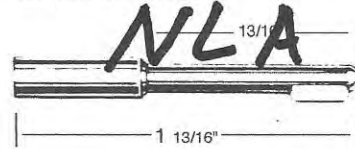
J-9 LOWER .203" Tang



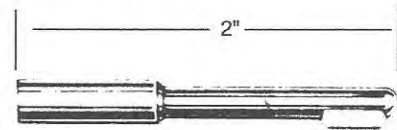
J-10 LOWER .187" Tang



J-11 LOWER .152" Tang



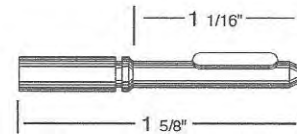
J-12 LOWER .203" Tang



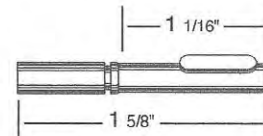
J-30 LOWER .187" Tang



J-31 LOWER .152" Tang w/ Groove



J-32 LOWER .187" Tang w/ Groove

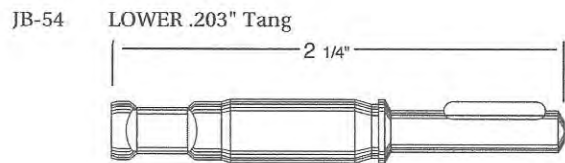
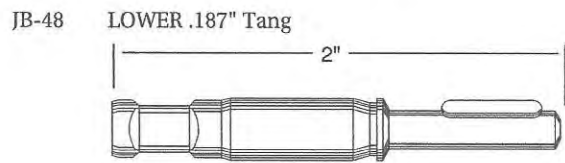
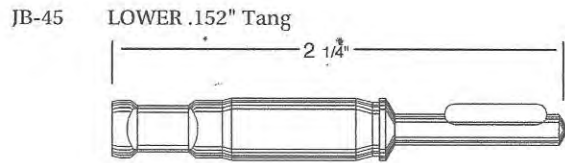
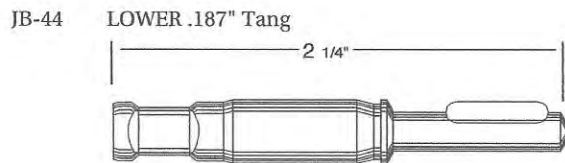
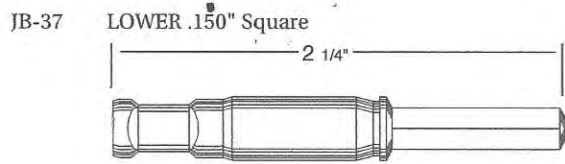
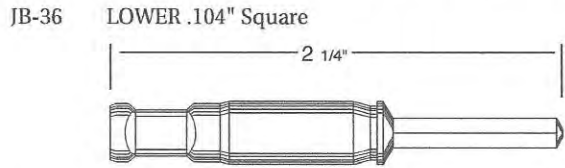




C A B L E P A R T S

COMPENSATING TIPS

COMPENSATING TIPS FOR .130" CORE WIRE



COMPENSATING TIPS FOR .150" CORE WIRE

