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SINGLE ROW – RADIAL BALL BEARINGS – POPULAR SIZES

600 METRIC MINIATURE DIMENSIONS

ID mm	OD mm	W mm	
3	10	4	623
4	13	5	624
4	16	5	634
5	13	4	695
5	14	5	605
5	16	5	625
5	19	6	635
6	19	6	626
6	22	7	636
7	15	5	697
7	19	6	607
7	22	7	627
8	16	4	688
8	19	6	698
8	22	7	608
9	20	6	699
9	24	7	609
9	26	8	629

6000 METRIC EXTRA LIGHT DIMENSIONS

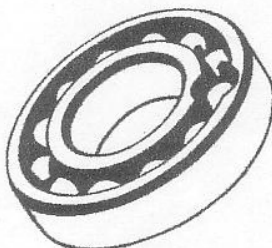
ID mm	OD mm	W mm	
10	26	8	6000
12	28	8	6001
15	32	9	6002
17	35	10	6003
20	42	12	6004
25	47	12	6005
30	55	13	6006
35	62	14	6007
40	68	15	6008
45	75	16	6009
50	80	16	6010
55	90	18	6011
60	95	18	6012
65	100	18	6013
70	110	20	6014
75	115	20	6015
80	125	22	6016
85	130	22	6017
90	140	24	6018
95	145	24	6019
100	150	24	6020
110	170	28	6022
120	180	28	6024

6200 METRIC LIGHT DIMENSIONS

ID mm	OD mm	W mm	
10	30	9	6200
12	32	10	6201
15	35	11	6202
17	40	12	6203
20	47	14	6204
25	52	15	6205
30	62	16	6206
35	72	17	6207
40	80	18	6208
45	85	19	6209
50	90	20	6210
55	100	21	6211
60	110	22	6212
65	120	23	6213
70	125	24	6214
75	130	25	6215
80	140	26	6216
85	150	28	6217
90	160	30	6218
95	170	32	6219
100	180	34	6220
105	190	36	6221
110	200	38	6222
120	215	40	6224
130	230	40	6226
140	250	42	6228
150	270	45	6230

6300 METRIC MEDIUM DIMENSIONS

ID mm	OD mm	W mm	
10	35	11	6300
12	37	12	6301
15	42	13	6302
17	47	14	6303
20	52	15	6304
25	62	17	6305
30	72	19	6306
35	80	21	6307
40	90	23	6308
45	100	25	6309
50	110	27	6310
55	120	29	6311
60	130	31	6312
65	140	33	6313
70	150	35	6314
75	160	37	6315
80	170	39	6316
85	180	41	6317
90	190	43	6318
95	200	45	6319
100	215	47	6320
105	225	49	6321
110	240	50	6322
120	260	55	6324
130	280	58	6326
140	300	62	6328
150	320	65	6330



SKF

SINGLE ROW – RADIAL BALL BEARINGS – POPULAR SIZES

EE IMPERIAL LIGHT NARROW DIMENSIONS

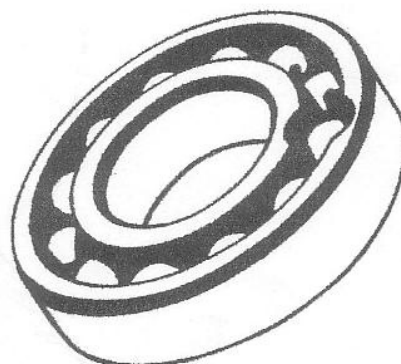
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3/16	1/2	5/32	EE 1	KLNJ 3/16	
1/4	3/4	7/32	EE 2	KLNJ 1/4	
3/8	7/8	7/32	EE 3	KLNJ 3/8	
1/2	1.1/8	1/4	EE 4	KLNJ 1/2	
5/8	1.3/8	9/32	EE 5	KLNJ 5/8	
3/4	1.5/8	5/16	EE 6	KLNJ 3/4	
7/8	1.7/8	3/8	EE 8	KLNJ 7/8	
1	2	3/8	EE 9	KLNJ 1	
1.1/8	2.1/8	3/8	EE 10	KLNJ 1.1/8	
1.1/4	2.1/4	3/8	EE 11	KLNJ 1.1/4	
1.3/8	2.1/2	7/16	EE 12	KLNJ 1.3/8	
1.1/2	2.5/8	7/16	EE 13	KLNJ 1.1/2	

RLS IMPERIAL LIGHT DIMENSIONS

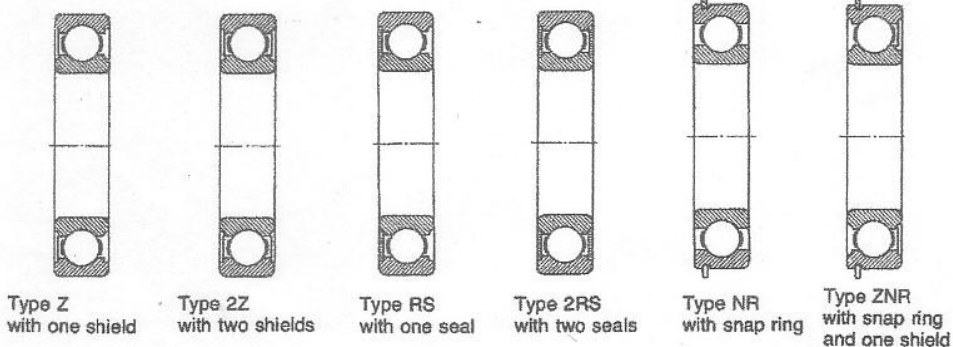
ID in	OD in	W in			
1/2	1.5/16	3/8	RLS 4	LJ 1/2	
5/8	1.9/16	7/16	RLS 5	LJ 5/8	
3/4	1.7/8	9/16	RLS 6	LJ 3/4	
7/8	2	9/16	RLS 7	LJ 7/8	
1	2.1/4	5/8	RLS 8	LJ 1	
1.1/8	2.1/2	5/8	RLS 9	LJ 1.1/8	
1.1/4	2.3/4	11/16	RLS 10	LJ 1.1/4	
1.3/8	3	11/16	RLS 11	LJ 1.3/8	
1.1/2	3.1/4	3/4	RLS 12	LJ 1.1/2	
1.5/8	3.1/2	3/4	RLS 13	LJ 1.5/8	
1.3/4	3.3/4	13/16	RLS 14	LJ 1.3/4	
1.7/8	4	13/16	RLS 15	LJ 1.7/8	
2	4	13/16	RLS 16	LJ 2	
2.1/4	4.1/2	7/8	RLS 18	LJ 2.1/4	
2.1/2	5	15/16	RLS 20	LJ 2.1/2	
2.3/4	5.1/4	15/16	RLS 22	LJ 2.3/4	
3	5.3/4	1.1/16	RLS 24	LJ 3	
3.1/4	6	1.1/16	RLS 26	LJ 3.1/4	
3.1/2	6.1/2	1.1/8	RLS 28	LJ 3.1/2	
3.3/4	6.3/4	1.1/8	RLS 30	LJ 3.3/4	
4	7.1/4	1.1/4	RLS 32	LJ 4E	
4.1/4	7.1/2	1.1/4	RLS 34	LJ 4.1/4E	
4.1/2	8	1.5/16	RLS 36	LJ 4.1/2E	
4.3/4	8.1/4	1.5/16	RLS 38	LJ 4.3/4E	
5	9	1.3/8	RLS 40	LJ 5E	

RMS IMPERIAL MEDIUM DIMENSIONS

ID in	OD in	W in			
1/2	1.5/8	5/8	RMS 4	MJ 1/2	
5/8	1.13/16	5/8	RMS 5	MJ 5/8	
3/4	2	11/16	RMS 6	MJ 3/4	
7/8	2.1/4	11/16	RMS 7	MJ 7/8	
1	2.1/2	3/4	RMS 8	MJ 1	
1.1/8	2.13/16	13/16	RMS 9	MJ 1.1/8	
1.1/4	3.1/8	7/8	RMS 10	MJ 1.1/4	
1.3/8	3.1/2	7/8	RMS 11	MJ 1.3/8	
1.1/2	3.3/4	15/16	RMS 12	MJ 1.1/2	
1.5/8	4	15/16	RMS 13	MJ 1.5/8	
1.3/4	4.1/4	1.1/16	RMS 14	MJ 1.3/4	
1.7/8	4.1/2	1.1/16	RMS 15	MJ 1.7/8	
2	4.1/2	1.1/16	RMS 16	MJ 2	
2.1/4	5	1.1/4	RMS 18	MJ 2.1/4	
2.1/2	5.1/2	1.1/4	RMS 20	MJ 2.1/2	
2.3/4	6.1/4	1.3/8	RMS 22	MJ 2.3/4	
3	7	1.9/16	RMS 24	MJ 3	
3.1/4	7.1/2	1.9/16	RMS 26	MJ 3.1/4	
3.3/8	7.1/2	1.9/16	RMS 27	MJ 3.3/8	
3.1/2	8.1/8	1.3/4	RMS 28	MJ 3.1/2	
3.3/4	8.1/4	1.3/4	RMS 30	MJ 3.3/4	
4	8.1/2	1.3/4	RMS 32	MJ 4E	
4.1/4	8.3/4	1.3/4	RMS 34	MJ 4.1/4E	
4.1/2	9.3/8	2	RMS 36	MJ 4.1/2E	
4.3/4	10	2	RMS 38	MJ 4.3/4E	
5	10	2	RMS 40	MJ 5E	



A guide to designations of Seals, Shields and Snap Rings.



SINGLE ROW – RADIAL BALL BEARINGS – POPULAR SIZES

EE IMPERIAL LIGHT NARROW DIMENSIONS

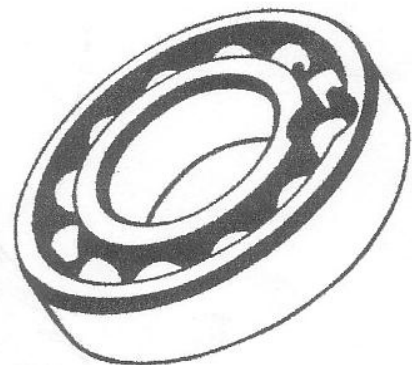
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3/8	7/8	7/32	EE 3	KLNJ 3/8	
1/2	1.1/8	1/4	EE 4	KLNJ 1/2	
5/8	1.3/8	9/32	EE 5	KLNJ 5/8	
3/4	1.5/8	5/16	EE 6	KLNJ 3/4	
7/8	1.7/8	3/8	EE 8	KLNJ 7/8	
1	2	3/8	EE 9	KLNJ 1	
1.1/8	2.1/8	3/8	EE 10	KLNJ 1.1/8	
1.1/4	2.1/4	3/8	EE 11	KLNJ 1.1/4	
1.3/8	2.1/2	7/16	EE 12	KLNJ 1.3/8	
1.1/2	2.5/8	7/16	EE 13	KLNJ 1.1/2	

RLS IMPERIAL LIGHT DIMENSIONS

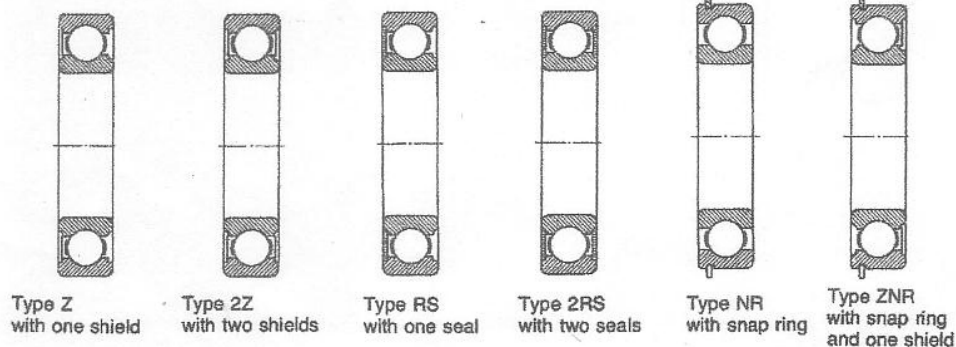
ID in	OD in	W in			
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5/8	1.9/16	7/16	RLS 5	LJ 5/8	
3/4	1.7/8	9/16	RLS 6	LJ 3/4	
7/8	2	9/16	RLS 7	LJ 7/8	
1	2.1/4	5/8	RLS 8	LJ 1	
1.1/8	2.1/2	5/8	RLS 9	LJ 1.1/8	
1.1/4	2.3/4	11/16	RLS 10	LJ 1.1/4	
1.3/8	3	11/16	RLS 11	LJ 1.3/8	
1.1/2	3.1/4	3/4	RLS 12	LJ 1.1/2	
1.5/8	3.1/2	3/4	RLS 13	LJ 1.5/8	
1.3/4	3.3/4	13/16	RLS 14	LJ 1.3/4	
1.7/8	4	13/16	RLS 15	LJ 1.7/8	
2	4	13/16	RLS 16	LJ 2	
2.1/4	4.1/2	7/8	RLS 18	LJ 2.1/4	
2.1/2	5	15/16	RLS 20	LJ 2.1/2	
2.3/4	5.1/4	15/16	RLS 22	LJ 2.3/4	
3	5.3/4	1.1/16	RLS 24	LJ 3	
3.1/4	6	1.1/16	RLS 26	LJ 3.1/4	
3.1/2	6.1/2	1.1/8	RLS 28	LJ 3.1/2	
3.3/4	6.3/4	1.1/8	RLS 30	LJ 3.3/4	
4	7.1/4	1.1/4	RLS 32	LJ 4E	
4.1/4	7.1/2	1.1/4	RLS 34	LJ 4.1/4E	
4.1/2	8	1.5/16	RLS 36	LJ 4.1/2E	
4.3/4	8.1/4	1.5/16	RLS 38	LJ 4.3/4E	
5	9	1.3/8	RLS 40	LJ 5E	

RMS IMPERIAL MEDIUM DIMENSIONS

ID in	OD in	W in			
1/2	1.5/8	5/8	RMS 4	MJ 1/2	
5/8	1.13/16	5/8	RMS 5	MJ 5/8	
3/4	2	11/16	RMS 6	MJ 3/4	
7/8	2.1/4	11/16	RMS 7	MJ 7/8	
1	2.1/2	3/4	RMS 8	MJ 1	
1.1/8	2.13/16	13/16	RMS 9	MJ 1.1/8	
1.1/4	3.1/8	7/8	RMS 10	MJ 1.1/4	
1.3/8	3.1/2	7/8	RMS 11	MJ 1.3/8	
1.1/2	3.3/4	15/16	RMS 12	MJ 1.1/2	
1.5/8	4	15/16	RMS 13	MJ 1.5/8	
1.3/4	4.1/4	1.1/16	RMS 14	MJ 1.3/4	
1.7/8	4.1/2	1.1/16	RMS 15	MJ 1.7/8	
2	4.1/2	1.1/16	RMS 16	MJ 2	
2.1/4	5	1.1/4	RMS 18	MJ 2.1/4	
2.1/2	5.1/2	1.1/4	RMS 20	MJ 2.1/2	
2.3/4	6.1/4	1.3/8	RMS 22	MJ 2.3/4	
3	7	1.9/16	RMS 24	MJ 3	
3.1/4	7.1/2	1.9/16	RMS 26	MJ 3.1/4	
3.3/8	7.1/2	1.9/16	RMS 27	MJ 3.3/8	
3.1/2	8.1/8	1.3/4	RMS 28	MJ 3.1/2	
3.3/4	8.1/4	1.3/4	RMS 30	MJ 3.3/4	
4	8.1/2	1.3/4	RMS 32	MJ 4E	
4.1/4	8.3/4	1.3/4	RMS 34	MJ 4.1/4E	
4.1/2	9.3/8	2	RMS 36	MJ 4.1/2E	
4.3/4	10	2	RMS 38	MJ 4.3/4E	
5	10	2	RMS 40	MJ 5E	

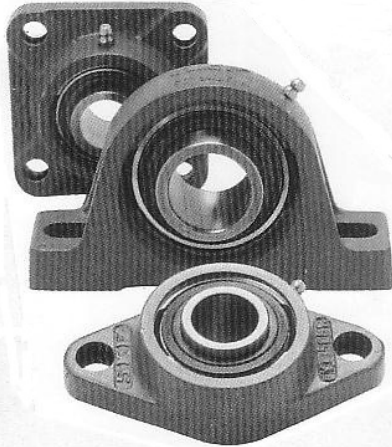


A guide to designations of Seals, Shields and Snap Rings.



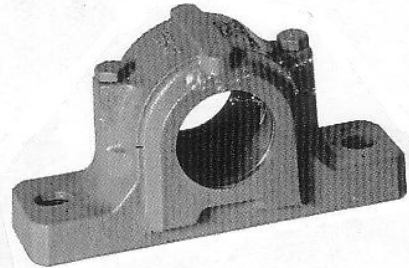
Y-bearing Units

Cast Iron pillow blocks & Flange Units with Self aligning Ball Bearings



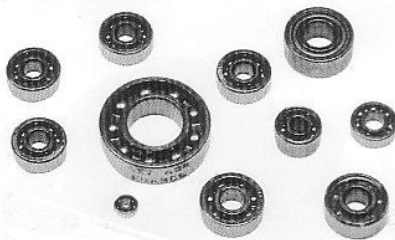
SNH Plumber Block Housing

Cast Iron Plummer Block and Flange units for Self Aligning Double Row Ball and Roller Bearings



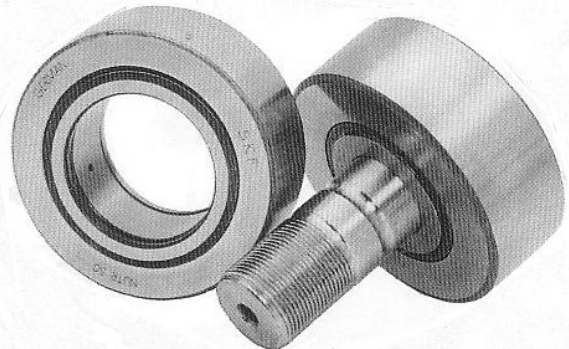
Miniature and Instrument Bearings

Metric and Imperial Miniatures for Model Cars and aircraft, Dental Equipment, Fishing Reels etc.



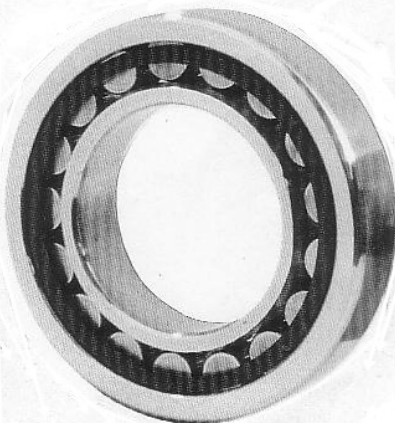
Track Runner Bearings (Cam Followers)

For Forklifts and Industrial Production Machinery.



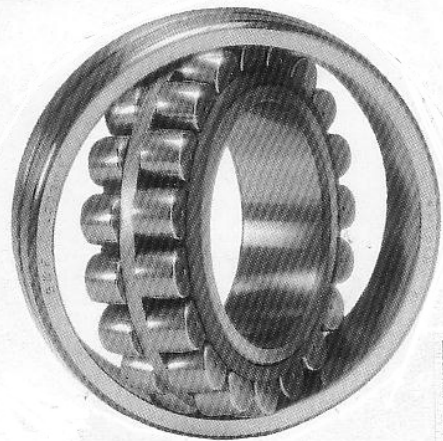
Cylindrical Roller Bearings

To Suit Industrial and Automotive Applications with removeable Raceways and Cage assemblies.



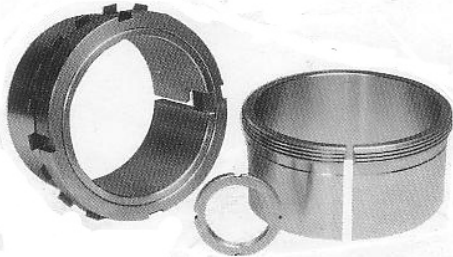
Spherical Roller Bearings

To Suit Plummer Blocks for high load Industrial Applications



Adapter and Withdrawal sleeves

Taper Sleeves to enable shaft fitments of
Ball and Roller bearings



**For Turntable and fixtures of all kinds,
Including Bookcases, TV's and Monitors,
Dining Tables etc.**

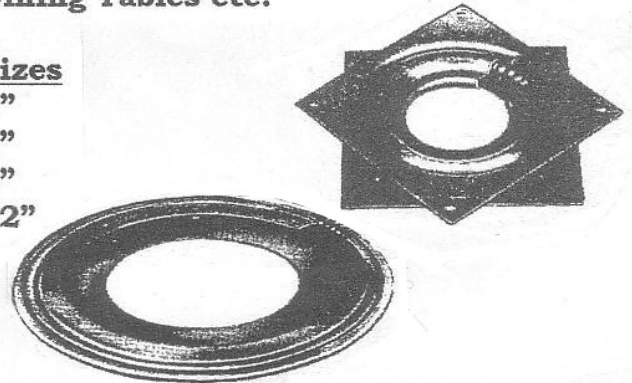
Sizes

3"

4"

6"

12"



SKF Maintenance Products

Induction heaters, Bearing Fitment Tools ,
Monitoring Equipment and Instruments.

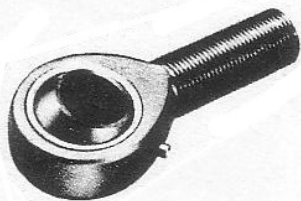


ROD-ENDS (METRIC SERIES)

MALE

EYE and THREAD DIAMETER
(Metric Fine Thread)

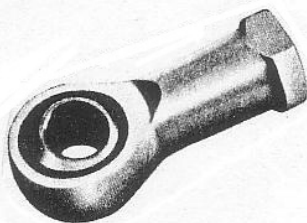
M6
M8
M10
M12
M14
M16
M18
M20
M22
M25
M28
M30



FEMALE

EYE and THREAD DIAMETER
Metric Fine Thread

M6
M8
M10
M12
M14
M16
M18
M20
M22
M25
M28
M30

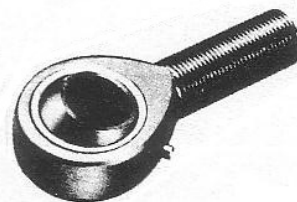


ROD-ENDS (INCH SERIES)

MALE

EYE and THREAD DIAMETER (UNF Thread)

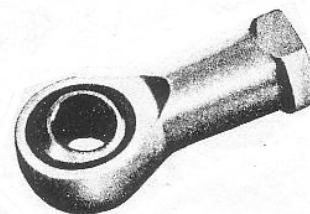
1/4"
5/16"
3/8"
7/16"
1/2"
5/8"
3/4"



FEMALE

EYE and THREAD DIAMETER (UNF Thread)

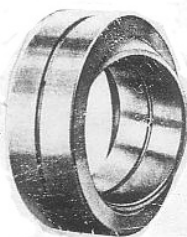
1/4"
5/16"
3/8"
7/16"
1/2"
5/8"
3/4"



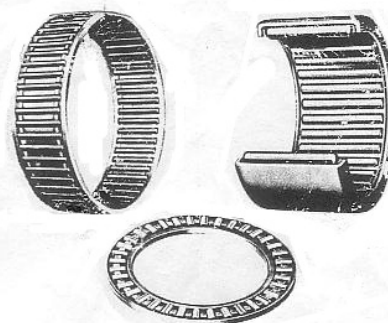
Available in Steel with Bronze, Nylon or Teflon Liners in Industrial, Racing Car or Aircraft Quality. Left Hand Thread available in most sizes.

BALL BUSHINGS EYE DIAMETER

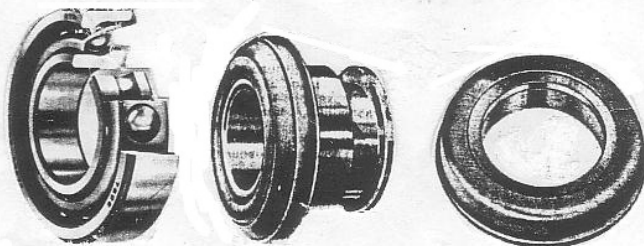
Metric M10, M12, M14, M15
M17, M20, M25, M30, M35, M40,
M45, M50, M60, M70.



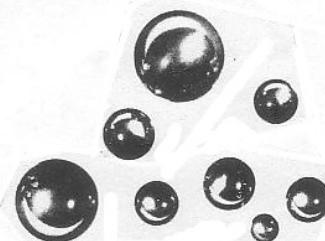
Imperial 1/2", 5/8", 3/4", 7/8", 1",
1.1/4", 1.3/8", 1.1/2", 2", 2.1/4",
2.1/2", 3"



NEEDLE BEARINGS, Drawn Cup,
Precision Ground, Cages, Thrust.



AUTOMOTIVE SPECIAL BEARINGS
Clutch Release, Extended Inner
Race, Thrust, Snap-Ring, Hi-Load,
Extra Clearance etc



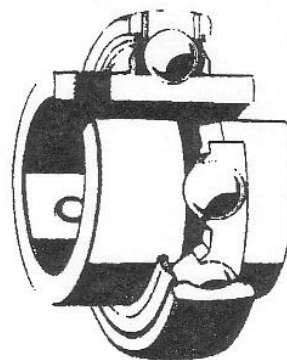
LOOSE BALLS, Carbon Chrome
Grade 10, Sizes 3/32" to 1"
Some Metric Sizes available

Shaft (inch)	Outer (mm)	Bearing	Housing
1/2	40	203-008	503
5/8	40	203-010	503
3/4	47	204-012	504
7/8	47	204-014	504
7/8	52	205-014	505
15/16	52	205-015	505
1	52	205-100	505
1 1/16	62	206-101	506
1 1/8	62	206-102	506
1 3/16	62	206-103	506
1 1/4	62	206-104	506
1 1/4	72	207-104	507
1 5/16	72	207-105	507
1 3/8	72	207-106	507
1 7/16	72	207-107	507
1 1/2	80	208-108	508
1 5/8	85	209-110	509
1 11/16	85	209-111	509
1 3/4	85	209-112	509
1 15/16	90	210-115	510
2	100	211-200	511
2 3/16	100	211-203	511
2 1/4	110	212-204	512
2 7/16	110	212-207	512
2 1/2	120	213-208	513
2 11/16	120	213-211	513
(mm)	(mm)		
15	35	202	502
17	40	203	503
20	47	204	504
25	52	205	505
30	62	206	506
35	72	207	507
40	80	208	508
45	85	209	509
50	90	210	510
55	100	211	511
60	110	212	512
65	120	213	513

SKF Y-Bearings & Housings

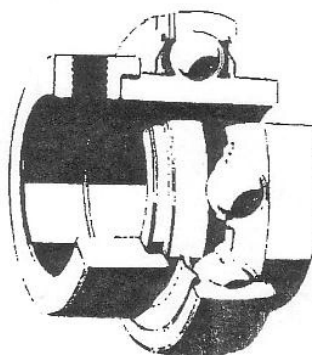
YAR →

Inner ring extended on both sides.
Locked by two grub screws in inner
ring extension.



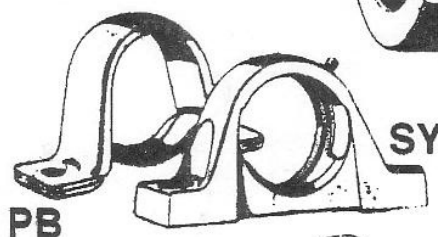
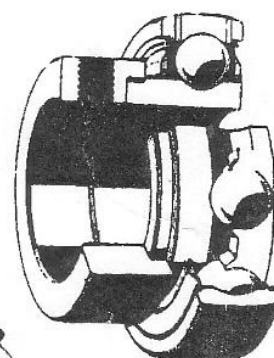
← **YET**

Inner ring extended on both
sides. Eccentric locking collar.



YEL →

Inner ring extended on one side.
Eccentric locking collar.



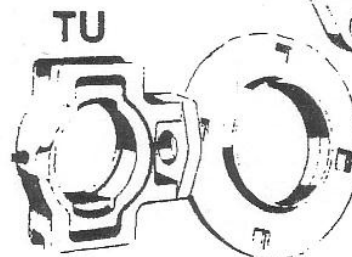
PB

FY

FYM

TU

PF



Wheel bearing kits for cars and light Trucks



- World's Widest Range

- All components included, bearings, oil seals, spacers, split pins etc . . .

- Full fitting instructions Do-it-yourself!

- Inexpensive



KITS AVAILABLE FOR THE FOLLOWING BRANDS

Alfa Romeo
Audi
Austin/Rover Group
Autobianchi
Bedford
BMW
British Leyland/Rover Group
Chrysler (F)/Talbot (F)
Chrysler (GB)/Talbot (GB)
Chrysler/Valiant
Citroen
Citroen (Light Truck)
DAF
Daihatsu
Daihatsu (Light Truck)
Daimler-Benz/Mercedes Benz
Datsun/Nissan
Fiat
Fiat-Iveco (Light Truck)
Ford
Ford (Light Truck)
FSO Polski Fiat
Hillman/Talbot
Holden (Aust.)
Honda
Hyundia
Isuzu
Iveco/Fiat-Iveco
Jaguar
Lada (VAZ)
Lancia
Land-Rover
Mazda
Mazda (Light Truck)
Mercedes-Benz
Mercedes-Benz (Light Truck)
M.G./Rover Group
Mini/Rover Group
Mitsubishi

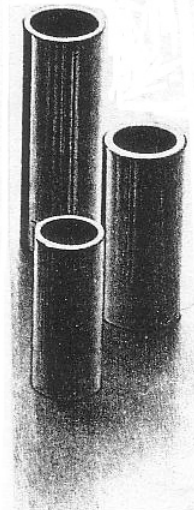
Mitsubishi (Light Truck)
Morris/Rover Group
Nissan
Nissan (Light Truck)
OM/Fiat-Iveco
Opel
Peugeot
Peugeot (Light Truck)
Polski Fiat
Pontiac
Porsche
Princess/Rover Group
Range Rover/Land Rover
Renault
Renault (Light Truck)
Riley/Rover Group
Rover Group
Saab
Seat
Simca/Talbot (F)
Skoda
Subaru
Sunbeam/Talbot (GB)
Suzuki
Talbot (GB)
Talbot-Express
Toyota
Toyota (Light Truck)
Triumph
Vanden Plas/Rover Group
Vauxhall
VAZ/Lada
Volkswagen
Volkswagen (Light Truck)
Volvo
Wolseley/Rover Group

Trailer Kits

Phosphor Bronze Bushings

IMPERIAL SIZE RANGE

ID	OD	LGTH	PT/NO	ID	OD	LGTH	PT/NO
5/16	7/16	1/2	FB1	5/8	7/8	1-1/4	FB324
5/16	7/16	3/4	FB3	5/8	7/8	1-1/2	FB325
5/16	7/16	1	FB4	5/8	7/8	1-3/4	FB326
5/16	7/16	1-1/2	FB2	5/8	7/8	2	FB328
3/8	1/2	3/4	FB10	5/8	7/8	2-1/4	FB329
3/8	1/2	1	FB11	5/8	7/8	2-1/2	FB330
3/8	1/2	1-1/2	FB13	5/8	7/8	3	FB331
3/8	1/2	2	FB12	5/8	1	1-1/4	FB334
7/16	9/16	3/4	FB19	5/8	1	2	FB335
7/16	9/16	1	FB20	5/8	1	2-1/2	FB337
7/16	9/16	1-1/2	FB22	11/16	13/16	1	FB400
7/16	9/16	2	FB25	11/16	13/16	1-1/2	FB401
7/16	5/8	1	FB36	11/16	13/16	2	FB403
7/16	5/8	1-1/2	FB27	11/16	7/8	1	FB406
7/16	5/8	2	FB29	11/16	7/8	2	FB409
7/16	11/16	1	FB39	11/16	15/16	1	FB412
7/16	11/16	1-1/2	FB30	11/16	15/16	1-1/2	FB413
7/16	11/16	2	FB32	11/16	15/16	2	FB415
1/2	9/16	1-1/2	FB100	11/16	1	2	FB418
1/2	5/8	3/4	FB101	3/4	13/16	1-1/2	FB500
1/2	5/8	1	FB102	3/4	7/8	3/4	FB501
1/2	5/8	1-1/4	FB103	3/4	7/8	1	FB502
1/2	5/8	1-1/2	FB104	3/4	7/8	1-1/4	FB504
1/2	5/8	2	FB106	3/4	7/8	1-1/2	FB505
1/2	11/16	1	FB107	3/4	7/8	2	FB507
1/2	11/16	1-1/2	FB110	3/4	7/8	2-1/2	FB510
1/2	11/16	2	FB112	3/4	15/16	1	FB511
1/2	3/4	3/4	FB99	3/4	15/16	1-1/2	FB515
1/2	3/4	1	FB113	3/4	15/16	2	FB518
1/2	3/4	1-1/2	FB115	3/4	15/16	2-1/4	FB519
1/2	3/4	1-3/4	FB116	3/4	15/16	2-1/2	FB520
1/2	3/4	2	FB117	3/4	1	3/4	FB490
1/2	3/4	2-1/2	FB119	3/4	1	1	FB522
1/2	7/8	1-1/2	FB120	3/4	1	1-1/4	FB523
1/2	7/8	2	FB121	3/4	1	1-1/2	FB524
1/2	1	2	FB122	3/4	1	1-3/4	FB525
9/16	11/16	1	FB200	3/4	1	2	FB526
9/16	11/16	1-1/2	FB203	3/4	1	2-1/4	FB528
9/16	11/16	1-3/4	FB206	3/4	1	2-1/2	FB529
9/16	11/16	2	FB207	3/4	1	3	FB530
9/16	3/4	1	FB210	3/4	1-1/16	2	FB531
9/16	3/4	1-1/2	FB214	3/4	1-1/16	2-1/2	FB532
9/16	3/4	1-3/4	FB216	3/4	1-1/8	1-1/2	FB533
9/16	3/4	2	FB217	3/4	1-1/8	2	FB534
9/16	3/4	2-1/4	FB219	3/4	1-1/8	2-1/2	FB536
9/16	3/4	2-1/2	FB220	3/4	1-1/8	3	FB537
9/16	13/16	1	FB236	3/4	1-1/4	2-1/2	FB538
9/16	13/16	1-1/2	FB222	13/16	15/16	1	FB600
9/16	13/16	2	FB224	13/16	15/16	1-1/2	FB602
9/16	7/8	1	FB237	13/16	15/16	2	FB603
9/16	7/8	1-1/2	FB227	13/16	1	1-1/2	FB605
9/16	7/8	2	FB228	13/16	1	2	FB606
9/16	1	1-1/2	FB231	13/16	1	2-1/2	FB607
9/16	1	2	FB232	13/16	1-1/16	2	FB608
5/8	11/16	1-1/2	FB301	13/16	1-1/16	2-1/2	FB610
5/8	11/16	2	FB302	13/16	1-1/16	3	FB612
5/8	3/4	3/4	FB303	7/8	1	1	FB700
5/8	3/4	1	FB304	7/8	1	1-1/4	FB702
5/8	3/4	1-1/4	FB305	7/8	1	1-1/2	FB703
5/8	3/4	1-1/2	FB307	7/8	1	2	FB705
5/8	3/4	1-3/4	FB308	7/8	1	2-1/2	FB707
5/8	3/4	2	FB309	7/8	1	3	FB708
5/8	3/4	2-1/4	FB310	7/8	1-1/16	1	FB709
5/8	3/4	2-1/2	FB311	7/8	1-1/16	1-1/2	FB711
5/8	3/4	3	FB312	7/8	1-1/16	2	FB713
5/8	13/16	1	FB313	7/8	1-1/16	2-1/2	FB715
5/8	13/16	1-1/2	FB315	7/8	1-1/8	1-1/4	FB717
5/8	13/16	2	FB317	7/8	1-1/8	1-1/2	FB718
5/8	13/16	2-1/2	FB319	7/8	1-1/8	2	FB720
5/8	7/8	3/4	FB321	7/8	1-1/8	2-1/4	FB721
5/8	7/8	1	FB322	7/8	1-1/8	2-1/2	FB722



Phosphor Bronze Bushings

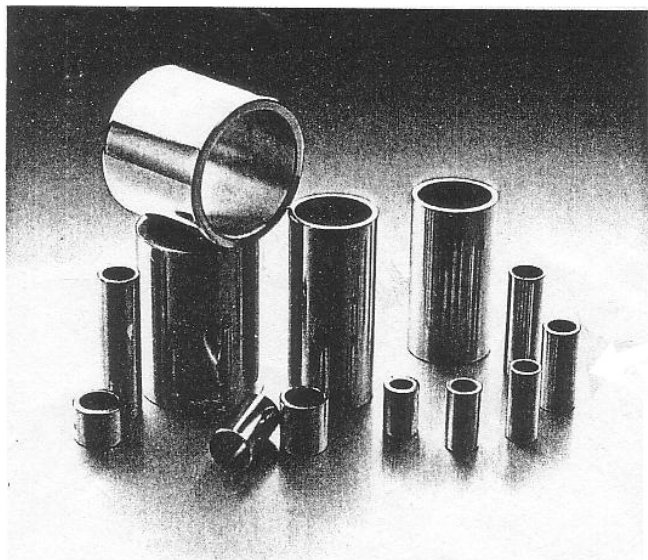
IMPERIAL SIZE RANGE
(Continued)

ID	OD	LGTH	PT/NO
7/8	1-3/8	3	FB723
7/8	1-1/4	1-1/2	FB725
7/8	1-1/4	2	FB726
7/8	1-1/4	2-1/2	FB728
7/8	1-1/4	3	FB729
7/8	1-3/8	3	FB730
15/16	1-1/16	1-1/2	FB731
15/16	1-1/16	2	FB732
15/16	1-1/16	2-1/2	FB733
15/16	1-1/8	1-1/4	FB734
15/16	1-1/8	2-1/4	FB735
15/16	1-1/8	3	FB736
15/16	1-3/16	2	FB738
1	1-1/16	1-1/2	FB800
1	1-1/8	1	FB801
1	1-1/8	1-1/4	FB802
1	1-1/8	1-1/2	FB803
1	1-1/8	2	FB805
1	1-1/8	2-1/2	FB806
1	1-1/8	3	FB807
1	1-3/16	1-1/2	FB808
1	1-3/16	2	FB809
1	1-3/16	2-1/2	FB810
1	1-1/4	1	FB811
1	1-1/4	1-1/8	FB812
1	1-1/4	1-1/4	FB813
1	1-1/4	1-1/2	FB814
1	1-1/4	1-3/4	FB815
1	1-1/4	2	FB816
1	1-1/4	2-1/2	FB818
1	1-1/4	3	FB820
1	1-1/4	3-1/2	FB821
1	1-1/4	4	FB822
1	1-3/8	1-1/2	FB827
1	1-3/8	2	FB823
1	1-3/8	2-1/2	FB824
1	1-3/8	3	FB825
1-1/8	1-1/4	1-1/2	FB900
1-1/8	1-1/4	2	FB901
1-1/8	1-1/4	2-1/2	FB902
1-1/8	1-1/4	3	FB903
1-1/8	1-3/8	2	FB904
1-1/8	1-3/8	3	FB906
1-1/8	1-3/8	3-1/2	FB907
1-1/8	1-3/8	4	FB908
1-1/8	1-1/2	3	FB909
1-1/4	1-3/8	1-1/2	FB1000
1-1/4	1-3/8	3	FB1001
1-1/4	1-1/2	1	FB912
1-1/4	1-1/2	1-1/2	FB914
1-1/4	1-1/2	1-3/4	FB1002
1-1/4	1-1/2	2	FB1003
1-1/4	1-1/2	2-1/2	FB1004
1-1/4	1-1/2	3	FB1005
1-1/4	1-1/2	3-1/2	FB1007
1-1/4	1-1/2	4	FB1008
1-1/4	1-5/8	1-3/4	FB1009
1-3/8	1-5/8	2	FB1010
1-3/8	1-5/8	3	FB1011
1-3/8	1-5/8	4	FB910
1-3/8	1-3/4	4	FB1012
1-1/2	1-5/8	2	FB1013
1-1/2	1-3/4	1-1/2	FB996
1-1/2	1-3/4	2	FB998
1-1/2	1-3/4	2-1/2	FB1014
1-1/2	1-3/4	3	FB1015
1-1/2	1-3/4	3-1/2	FB1016
1-1/2	1-3/4	4	FB1017
1-1/2	2	2-1/2	FB1020
1-1/2	2	3	FB1021
1-1/2	2	3-1/2	FB1022

ID	OD	LGTH	PT/NO
1-1/2	2	4	FB1023
1-3/4	2	2-1/2	FB1030
1-3/4	2	3	FB1031
1-3/4	2	3-1/2	FB1032
1-3/4	2	4	FB1033
1-3/4	2-1/8	4	FB1018
1-3/4	2-1/4	2-1/4	FB1036
1-3/4	2-1/4	3	FB1037
1-3/4	2-1/4	3-1/2	FB1038
1-3/4	2-1/2	4	FB1039
2	2-1/4	2-1/2	FB1040
2	2-1/4	3	FB1041
2	2-1/4	3-1/2	FB1019
2	2-1/2	2-1/2	FB1050
2	2-1/2	3	FB1051
2	2-1/2	3-1/2	FB1052
2	2-1/2	4	FB1053
2-1/4	2-3/4	2-1/2	FB1060
2-1/4	2-3/4	3	FB1061
2-1/4	2-3/4	3-1/2	FB1062
2-1/4	2-3/4	4	FB1063
2-1/2	3	2-1/2	FB1070
2-1/2	3	3	FB1071
2-1/2	3	3-1/2	FB1072
2-1/2	3	4	FB1073

ALSO AVAILABLE ON
FIRM ORDER:

'Self-lubricating
Sintered Bronze Bushings'

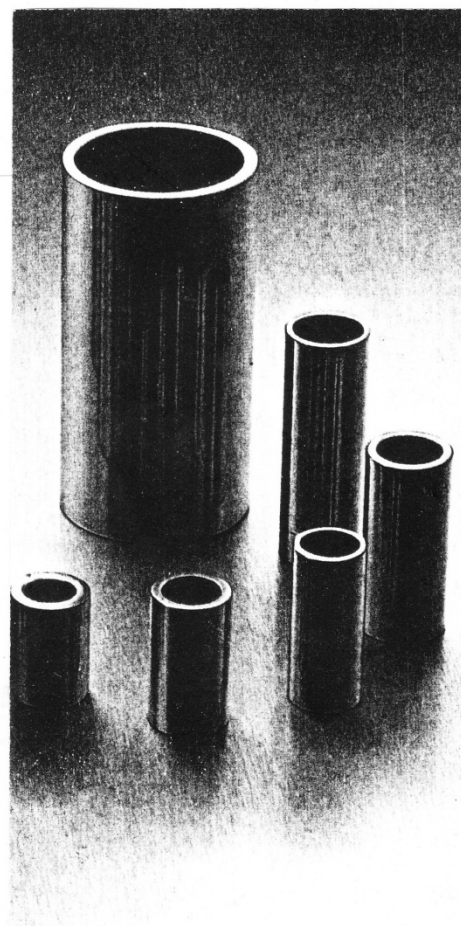


Phosphor Bronze Bushings

METRIC SIZE RANGE

ID	OD	LGTH
08	10	10
		20
		30
		40
08	12	10
		20
		30
		40
10	12	20
		30
		40
10	16	20
		30
		40
12	16	20
		30
		40
12	20	20
		30
		40
16	20	20
		30
		40
16	24	30
		40
		50
		60
20	24	30
		40
		50
		60
20	30	30
		40
		50
		60
25	30	30
		40
		50
		60
25	35	30
		40
		50
		60

ID	OD	LGTH
30	35	30
		40
		50
		60
30	40	30
		40
		50
		60
35	40	30
		40
		50
		60
35	45	40
		50
		60
		80
40	50	40
		50
		60
		80
45	55	50
		60
		80
		100
50	60	50
		60
		80
		100

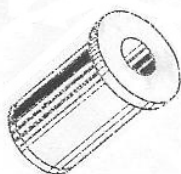


SPECIFICATIONS

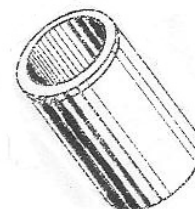
Fraser bronze bearings are manufactured from continuously cast bronze conforming to AS1565 grade C83600 (BS 1400 LG2)

TOLERANCES

	Imp.	Metric
Inside Dia.	- .0005 + .0015	- 0.01 + 0.04
Outside Dia.	+ .002 + .004	+ 0.06 + 0.10
Length	+ .010 - .010	+ 0.25 - 0.25



X-Lube[®] Bushes



Inch-sized MOS2 filled Nylon — (NYLATRON[®] GS63) available ex stock

Flanged

Part Number	Inside Diameter (inches)	Outside Diameter (inches)	Length Overall (inches)	Flange Diameter (inches)	Flange Thickness (inches)
S 1B/32	1/8	7/32	3/8	1/4	1/16
S 1A	1/8	1/2	1.1/8	3/4	1/8
S 1	3/16	5/16	1/2	9/16	1/8
S 244	3/16	3/8	1/2	9/16	1/8
S 71	1/4	3/8	7/16	3/4	3/16
S 2A/6	1/4	3/8	9/16	3/4	1/16
S 217	1/4	3/8	1.1/16	3/4	1/16
S 218	1/4	3/8	1.9/16	3/4	1/16
S 2A/43	1/4	1/2	9/32	3/4	1/8
S 63	1/4	1/2	13/16	3/4	1/8
S 2	1/4	1/2	1.1/8	3/4	1/8
S 3	5/16	7/16	7/8	11/16	1/8
S 56	5/16	5/8	5/8	7/8	1/8
S 175B	3/8	1/2	1/4	3/4	1/8
S 175A	3/8	1/2	3/8	3/4	1/8
S 340	3/8	1/2	1/2	7/8	1/8
S 4	3/8	1/2	7/8	3/4	1/8
S 219	3/8	1/2	1.9/16	1	1/16
S 230	10mm	1/2	7/8	3/4	1/8
S 256	3/8	5/8	9/16	1	1/8
S 5	3/8	5/8	1.1/8	7/8	1/8
S 360	3/8	3/4	1	1	1/16
S 6	7/16	9/16	7/8	13/16	1/8
S 394	1/2	5/8	9/16	1	1/8
S 7B/47	1/2	5/8	5/8	1	1/16
S 7	1/2	5/8	7/8	1	1/8
S 7A/31	1/2	5/8	1.1/4	7/8	1/8
S 220	1/2	5/8	1.9/16	1.1/4	1/16
S 8	1/2	3/4	1.1/8	1	1/8
S 9	9/16	11/16	7/8	13/16	1/8
S 10B	5/8	3/4	7/8	1	1/8
S 10	5/8	3/4	1.1/8	1	1/8
S 10H/40	5/8	3/4	1.1/2	1.1/16	1/16
S 222	5/8	3/4	1.9/16	1.1/2	1/16
S 10G/39	5/8	3/4	3.1/2	1.1/16	1/16
S 10J/42	5/8	7/8	3/8	1.1/8	1/8
S 10E/1	5/8	7/8	5/8	1.1/8	1/8
S 10F/7	5/8	7/8	3/4	1.1/8	1/16
S 75	5/8	7/8	7/8	1	1/8
S 10A	5/8	7/8	1.1/8	1.1/8	1/8
S 10D/3	5/8	7/8	1.1/4	1.1/8	1/16
S 365	5/8	1.1/8	21mm	1.1/2	3/16
S 11	5/8	1.1/8	1.1/2	1.1/2	1/8
S 447	3/4	7/8	3/4	1.1/8	1/8
S 101	3/4	7/8	7/8	1.1/2	3/16
S 12	3/4	7/8	1.1/8	1.1/8	1/8
S 223	3/4	7/8	1.9/16	1.3/4	1/16
S 13	3/4	1	1.3/8	1.1/4	1/8
S 14	7/8	1	1.3/8	1.1/4	1/8
S 224	7/8	1	1.9/16	1.3/4	1/16
S 15	7/8	1.1/8	1.5/8	1.3/8	1/8
S 16	1	1.1/8	1.1/8	1.3/8	1/8
S 225	1	1.1/8	1.9/16	1.3/4	1/16
S 76	1	31mm	3	1.5/8	1/8
S-17	1	1.1/4	1.5/8	1.1/2	1/8
S 17B	1	1.1/4	2.1/8	2	1/8
S 18	1.1/8	1.3/8	2.1/8	1.5/8	1/8
S 19	1.1/4	1.1/2	2.1/8	1.3/4	1/8
S 20	1.3/8	1.5/8	2.1/8	1.7/8	1/8
S 21	1.1/2	1.3/4	2.1/8	2	1/8
S 21/35	1.1/2	1.3/4	1.5/8	2.3/8	1/8

Plain

Part Number	Inside Diameter (inches)	Outside Diameter (inches)	Length Overall (inches)
P 132	3/32	5/16	5/8
P 1A	1/8	1/2	1
P 1	3/16	5/16	3/8
P 2A/6	1/4	3/8	1/2
P 166	1/4	3/8	3/4
P 217	1/4	3/8	1
P 218	1/4	3/8	1.1/2
P 2	1/4	1/2	1
P 126	1/4	5/8	1
P 2B/8	1/4	3/4	11/16
P 3	5/16	7/16	3/4
P 406	3/8	1/2	3/8
P 4	3/8	1/2	3/4
P 219	3/8	1/2	1.1/2
P 5	3/8	5/8	1
P 59	3/8	1.1/4	1
P 165	1/2	5/8	1/2
P 7	1/2	5/8	3/4
P 7A/31	1/2	5/8	1.1/8
P 220	1/2	5/8	1.1/2
P 288	1/2	5/8	2
P 60	1/2	3/4	1/2
P 8	1/2	3/4	1
P 104	1/2	1	1
P 9	9/16	11/16	3/4
P 10B	5/8	3/4	3/4
P 10	5/8	3/4	1
P 222	5/8	3/4	1.1/2
P 10A	5/8	7/8	1
P 10K/49	5/8	7/8	1.1/2
P 10C/4	5/8	7/8	2
P 11	5/8	1.1/8	1.3/8
P 12	3/4	7/8	1
P 223	3/4	7/8	1.1/2
P 116	3/4	1	7/8
P 13	3/4	1	1.1/4
P 266	3/4	1	2
P 198	3/4	1.1/4	1.3/4
P 84	3/4	2.5/8	3/4
P 14	7/8	1	1.1/4
P 224	7/8	1	1.1/2
P 15	7/8	1.1/8	1.1/2
P 16	1	1.1/8	1
P 225	1	1.1/8	1.1/2
P 76	1	31mm	3
P 17	1	1.1/4	1.1/2
P 17B	1	1.1/4	2
P 17C/21	1	1.1/2	5/8
P 18	1.1/8	1.3/8	2
P 19	1.1/4	1.1/2	2
P 20/37	1.3/8	1.5/8	3/4
P 20	1.3/8	1.5/8	2
P 21	1.1/2	1.3/4	2

Millimetre-sized MOS2 filled Nylon — (NYLATRON® GS63) — available ex stock

Flanged

Part Number	Inside Diameter mm	Outside Diameter mm	Length Overall mm	Flange Diameter mm	Flange Thickness mm
S 200M	4	8	22	10	2
S 80M	5	8	5	15	2
S 201M	5	10	22	13	2
S 202M	6	10	22	13	2
S 48M	8	12	12	16	2
S 205M	8	12	37	15	2
S 272M	8	12.5	12	18	2
S 55M	8	16	16	22	3
S 458M	10	14	28	28	2
S 260M	10	16	17	24	3
S 206M	10	16	22	20	2
S 207M	10	16	37	20	2
S 337M	12	16	6	20	2
S 338M	12	16	9	20	3
S 208M	12	16	22	20	2
S 209M	12	16	37	20	2
S 179M	12	20	23	26	3
S 299M	12	22	29	26	15
S 210M	16	20	22	26	2
S 211M	16	20	37	26	2
S 312M	20	23	25	28	2
S 212M	20	25	22	32	2
S 213M	20	25	37	32	2
S 62M	20	25	90	35	2
S 366M	23	29	22	38	5
S 313M	25	28	25	35	2
S 214M	25	30	27	40	2
S 215M	25	30	37	40	2
S 216M	30	35	37	45	2

Plain

Part Number	Inside Diameter mm	Outside Diameter mm	Length Overall mm
P 200M	4	8	20
P 201M	5	10	20
P 202M	6	10	20
P 203M	6	10	35
P 204M	8	12	20
P 205M	8	12	35
P 392M	8	1/2"	1/2"
P 458M	10	14	26
P 206M	10	16	20
P 207M	10	16	35
P 208M	12	16	20
P 209M	12	16	35
P 86M	13	20	27
P 127M	15	18	19
P 210M	16	20	20
P 211M	16	20	35
P 34M	18		
P 370M	18	25	19
P 212M	20	25	20
P 213M	20	25	35
P 61M	20	25	90
P 333M	20	27	20
P 289M	25	28	57
P 214M	25	30	25
P 215M	25	30	35
P 216M	30	35	35
P 419M	30	40	50

X-LUBE BEARINGS are injection moulded from Molybdenum Disulphide filled Nylon but are also available against firm order in materials such as Acetal and Natural Nylon.

X-LUBE BEARINGS are light weight, low maintenance, resistant to corrosion and a wide range of chemicals. These bushes can run dry or be lubricated by the surrounding medium (e.g. water, alkalis, acids etc). They are quiet running, non-contaminating and provide electrical insulation.

Additional sizes to those listed are available made to order.

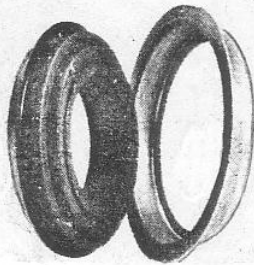


Repco Trailer Seal

This kit includes 2 rubber sealing elements and 2 stainless steel wear rings suitable for standard hub housing size of 2.328". Care should be taken to select CORRECT stub axle diameter from range of kits available.

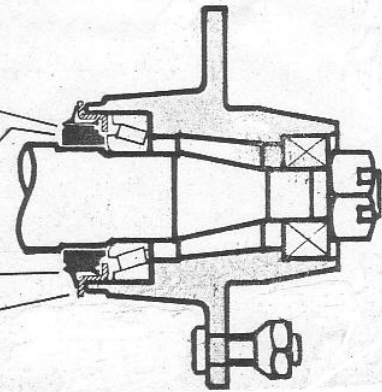
IDEAL FOR TRAILERS, BOAT TRAILERS AND CARAVANS

Repco have developed an entirely new concept in Trailer Hub Sealing. An exclusive 2 piece design that works better than other methods in preventing water, dust, etc. from reaching the bearings. The Repco Trailer Seal seals at 2 different points on its own metal wear ring. The result is superior sealing and longer bearing life.



EXCLUSIVE FEATURES

- All rubber construction with interference fit on shaft.
- Heavy duty sealing-lip for maximum grease retention.
- Outer Dust Lip runs on flange of Wear Ring. Prevents the entry of dust, dirt or water when trailer axle immersed.
- Non corrosive stainless steel Wear Ring designed for maximum performance in all conditions.

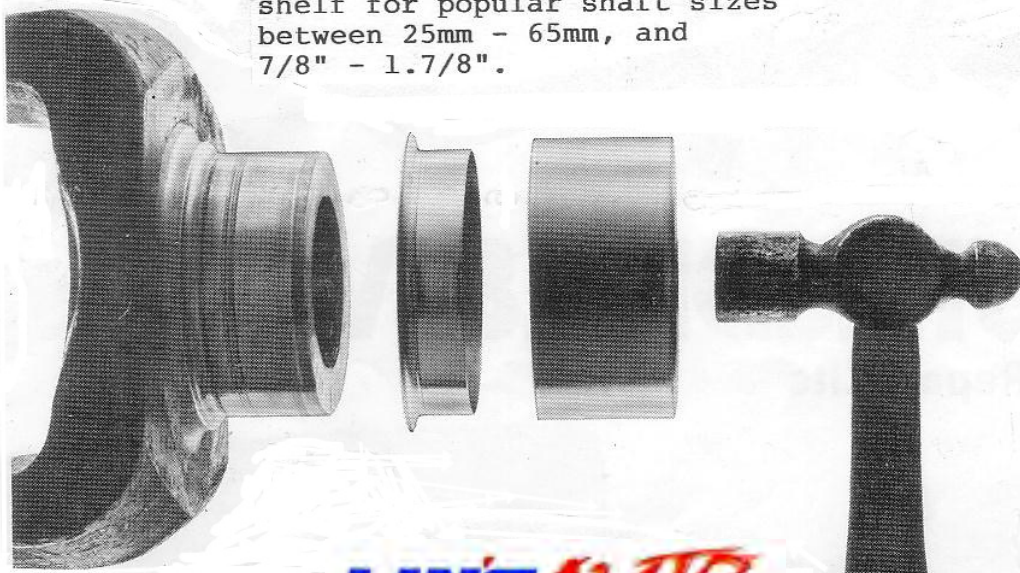


CR SPEEDI-SLEEVE

Contact between a rotating shaft and a seal always causes shaft polishing friction. Wear can accelerate as factors in the sealing environment change. Dust, heat, high shaft speed and lack of lubrication will cause a seal lip to groove the shaft... and ultimately create a leak. A new seal is no longer the answer, as it cannot compensate for the damage to the shaft.

CR Speedi-Sleeve is a highly engineered, precision part of finest stainless. Its ultra-thin wall design allows it to be used without changing the seal size, and its finish is perfect for lip sealing applications. Since it is factory finished to 10-20 RMS with no machine lead, it requires no expensive preparation or machining.

Speedi-Sleeves available off the shelf for popular shaft sizes between 25mm - 65mm, and 7/8" - 1.7/8".



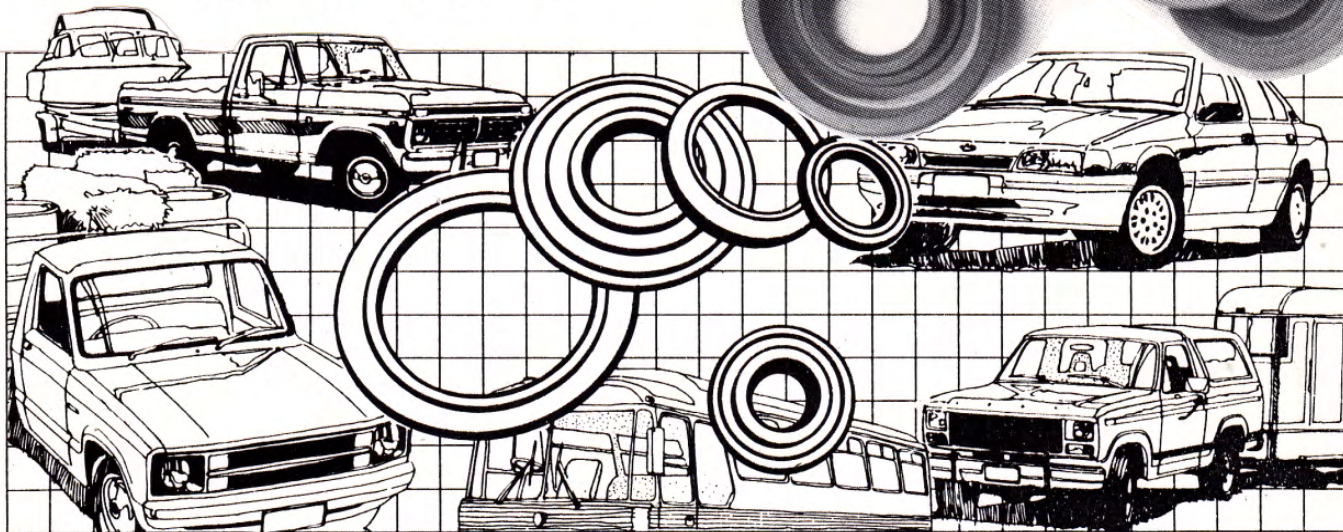
LINE'S AUTO CENTRE

OIL SEALS

EX STOCK RANGE :

Metric...6mm Shaft to 125mm Shaft.

Imperial...1/4" Shaft to 3" Shaft.



CRSEALS



O'RINGS

We carry a large range of O'Rings in Nitrile Rubber N70 in both Metric and Imperial sizing. The following pages show the dimensions of the popular sizes.



IMPERIAL 'O' RINGS

Our standard O'Rings are made from Nitrile Rubber N70 and have good resistance to Petroleum Oils, Alcohols, Alkaline Solutions, Salt, Gasolines, Glycols and Water. The safe operating Temperature is -40 to +250F. Alternative Materials available are: VITON, ETHYLENE-PROPYLENE, NEOPRENE and SILICON.

PART NO	TO SUIT SHAFT	TO SUIT HOUSING	SECTION DIA	PART NO	TO SUIT SHAFT	TO SUIT HOUSING	SECTION DIA
-006	1/8	1/4	1/16	-118	7/8	1. 1/16	3/32
-007	5/32	9/32	1/16	-119	15/16	1. 1/8	3/32
-008	3/16	5/16	1/16	-120	1	1. 3/16	3/32
-009	7/32	11/32	1/16	-121	1. 1/16	1. 1/4	3/32
-010	1/4	3/8	1/16	-122	1. 1/8	1. 5/16	3/32
-011	5/16	7/16	1/16	-123	1. 3/16	1. 3/8	3/32
-012	3/8	1/2	1/16	-124	1. 1/4	1. 7/16	3/32
-013	7/16	9/16	1/16	-125	1. 5/16	1. 1/2	3/32
-014	1/2	5/8	1/16	-126	1. 3/8	1. 9/16	3/32
-015	9/16	11/16	1/16	-127	1. 7/16	1. 5/8	3/32
-016	5/8	3/4	1/16	-128	1. 1/2	1.11/16	3/32
-017	11/16	13/16	1/16	-129	1. 9/16	1. 3/4	3/32
-018	3/4	7/8	1/16	-130	1. 5/8	1.13/16	3/32
-019	13/16	15/16	1/16	-131	1.11/16	1. 7/8	3/32
-020	7/8	1	1/16	-132	1. 3/4	1.15/16	3/32
-021	15/16	1. 1/16	1/16	-133	1.13/16	2	3/32
-022	1	1. 1/8	1/16	-134	1. 7/8	2. 1/16	3/32
-023	1. 1/16	1. 3/16	1/16	-135	1.15/16	2. 1/8	3/32
-024	1. 1/8	1. 1/4	1/16	-136	2	2. 3/16	3/32
-025	1. 3/16	1. 5/16	1/16	-137	2. 1/16	2. 1/4	3/32
-026	1. 1/4	1. 3/8	1/16	-138	2. 1/8	2. 5/16	3/32
-027	1. 5/16	1. 7/16	1/16	-139	2. 3/16	2. 3/8	3/32
-028	1. 3/8	1. 1/2	1/16	-140	2. 1/4	2. 7/16	3/32
-029	1. 1/2	1. 5/8	1/16	-141	2. 5/16	2. 1/2	3/32
-030	1. 5/8	1. 3/4	1/16	-142	2. 3/8	2. 9/16	3/32
-031	1. 3/4	1. 7/8	1/16	-143	2. 7/16	2. 5/8	3/32
-032	1. 7/8	2	1/16	-144	2. 1/2	2.11/16	3/32
-033	2	2. 1/8	1/16	-145	2. 9/16	2. 3/4	3/32
-034	2. 1/8	2. 1/4	1/16	-146	2. 5/8	2.13/16	3/32
-035	2. 1/4	2. 3/8	1/16	-147	2.11/16	2. 7/8	3/32
-036	2. 3/8	2. 1/2	1/16	-148	2. 3/4	2.15/16	3/32
-037	2. 1/2	2. 5/8	1/16	-149	2.13/16	3	3/32
-038	2. 5/8	2. 3/4	1/16	-150	2. 7/8	3. 1/16	3/32
-039	2. 3/4	2. 7/8	1/16	-151	3	3. 3/16	3/32
-040	2. 7/8	3	1/16	-152	3. 1/4	3. 7/16	3/32
-041	3	2. 1/8	1/16	-153	3. 1/2	3.11/16	3/32
-042	3. 1/4	3. 3/8	1/16	-154	3. 3/4	3.15/16	3/32
-043	3. 1/2	3. 5/8	1/16	-155	4	4. 3/16	3/32
-044	3. 3/4	3. 7/8	1/16	-156	4. 1/4	4. 7/16	3/32
-045	4	4. 1/8	1/16	-157	4. 1/2	4.11/16	3/32
-046	4. 1/4	4. 3/8	1/16	-158	4. 3/4	4.15/16	3/32
-047	4. 1/2	4. 5/8	1/16	-159	5	5. 3/16	3/32
-048	4. 3/4	4. 7/8	1/16	-160	5. 1/4	5. 7/16	3/32
-049	5	5. 1/8	1/16	-161	5. 1/2	5.11/16	3/32
-050	5. 1/4	5. 3/8	1/16	-162	5. 3/4	5.15/16	3/32
-110	3/8	9/16	3/32	-163	6	6. 3/16	3/32
-111	7/16	5/8	3/32	-164	6. 1/4	6. 7/16	3/32
-112	1/2	11/16	3/32	-165	6. 1/2	6.11/16	3/32
-113	9/16	3/4	3/32	-166	6. 3/4	6.15/16	3/32
-114	5/8	13/16	3/32	-167	7	7. 3/16	3/32
-115	11/16	7/8	3/32	-168	7. 1/4	7. 7/16	3/32
-116	3/4	15/16	3/32	-169	7. 1/2	7.11/16	3/32
-117	13/16	1	3/32	-170	7. 3/4	7.15/16	3/32
				-171	8	8. 3/16	3/32

IMPERIAL 'O' RINGS (Continued)

PART NO	TO SUIT SHAFT	TO SUIT HOUSING	SECTION DIA	PART NO	TO SUIT SHAFT	TO SUIT HOUSING	SECTION DIA
-172	8. 1/4	8. 7/16	3/32	-261	6. 3/4	7	1/8
-173	8. 1/2	8.11/16	3/32	-262	7	7. 1/4	1/8
-174	8. 3/4	8.15/16	3/32	-263	7. 1/4	7. 1/2	1/8
-175	9	9. 3/16	3/32	-264	7. 1/2	7. 3/4	1/8
-176	9. 1/4	9. 7/16	3/32	-265	7. 3/4	8	1/8
-177	9. 1/2	9.11/16	3/32	-266	8	8. 1/4	1/8
-178	9. 3/4	9.15/16	3/32	-267	8. 1/4	8. 1/2	1/8
-210	3/4	1	1/8	-268	8. 1/2	8. 3/4	1/8
-211	13/16	1. 1/16	1/8	-269	8. 3/4	9	1/8
-212	7/8	1. 1/8	1/8	-270	9	9. 1/4	1/8
-213	15/16	1. 3/16	1/8	-271	9. 1/4	9. 1/2	1/8
-214	1	1. 1/4	1/8	-272	9. 1/2	9. 3/4	1/8
-215	1. 1/16	1. 5/16	1/8	-273	9. 3/4	10	1/8
-216	1. 1/8	1. 3/8	1/8	-274	10	10. 1/4	1/8
-217	1. 3/16	1. 7/16	1/8	-275	10. 1/2	10. 3/4	1/8
-218	1. 1/4	1. 1/2	1/8	-276	11	11. 1/4	1/8
-219	1. 5/16	1. 9/16	1/8	-277	11. 1/2	11. 3/4	1/8
-220	1. 3/8	1. 5/8	1/8	-278	12	12. 1/4	1/8
-221	1. 7/16	1.11/16	1/8	-279	13	13. 1/4	1/8
-222	1. 1/2	1. 3/4	1/8	-280	14	14. 1/4	1/8
-223	1. 5/8	1. 7/8	1/8	-281	15	15. 1/4	1/8
-224	1. 3/4	2	1/8	-325	1. 1/2	1. 7/8	3/16
-225	1. 7/8	2. 1/8	1/8	-326	1. 5/8	2	3/16
-226	2	2. 1/4	1/8	-327	1. 3/4	2. 1/8	3/16
-227	2. 1/8	2. 3/8	1/8	-328	1. 7/8	2. 1/4	3/16
-228	2. 1/4	2. 1/2	1/8	-329	2	2. 3/8	3/16
-229	2. 3/8	2. 5/8	1/8	-330	2. 1/8	2. 1/2	3/16
-230	2. 1/2	2. 3/4	1/8	-331	2. 1/4	2. 5/8	3/16
-231	2. 5/8	2. 7/8	1/8	-332	2. 3/8	2. 3/4	3/16
-232	2. 3/4	3	1/8	-333	2. 1/2	2. 7/8	3/16
-233	2. 7/8	3. 1/8	1/8	-334	2. 5/8	3	3/16
-234	3	3. 1/4	1/8	-335	2.	3.	3/16
-235	3. 1/8	3. 3/8	1/8	-336	2. 7/8	3. 1/4	3/16
-236	3. 1/4	3. 1/2	1/8	-337	3	3. 3/8	3/16
-237	3. 3/8	3. 5/8	1/8	-338	3. 1/8	3. 1/2	3/16
-238	3. 1/2	3. 3/4	1/8	-339	3. 1/4	3. 5/8	3/16
-239	3. 5/8	3. 7/8	1/8	-340	3. 3/8	3. 3/4	3/16
-240	3. 3/4	4	1/8	-341	3. 1/2	3. 7/8	3/16
-241	3. 7/8	4. 1/8	1/8	-342	3. 5/8	4	3/16
-242	4	4. 1/4	1/8	-343	3. 3/4	4. 1/8	3/16
-243	4. 1/8	4. 3/8	1/8	-344	3. 7/8	4. 1/4	3/16
-244	4. 1/4	4. 1/2	1/8	-345	4	4. 3/8	3/16
-245	4. 3/8	4. 5/8	1/8	-346	4. 1/8	4. 1/2	3/16
-246	4. 1/2	4. 3/4	1/8	-347	4. 1/4	4. 5/16	3/16
-247	4. 5/8	4. 7/8	1/8	-348	4. 3/8	4. 3/4	3/16
-248	4. 3/4	5	1/8	-349	4. 1/2	4. 7/8	3/16
-249	4. 7/8	5. 1/8	1/8				
-250	5	5. 1/4	1/8				
-251	5. 1/8	5. 3/8	1/8				
-252	5. 1/4	5. 1/2	1/8				
-253	5. 3/8	5. 5/8	1/8				
-254	5. 1/2	5. 3/4	1/8				
-255	5. 5/8	5. 7/8	1/8				
-256	5. 3/4	6	1/8				
-257	5. 7/8	6. 1/8	1/8				
-258	6	6. 1/4	1/8				
-259	6. 1/4	6. 1/2	1/8				
-260	6. 1/2	6. 3/4	1/8				

ADDITIONAL SIZES:

Section Diameter of 1/4" is also available with Internal Diameters from 4.1/2" up to 15.1/2".

METRIC 'O' RINGS

SPECIFICATIONS ARE THE SAME AS IMPERIAL O'RINGS

We have listed only those O'Rings generally available off the shelf, up to 50mm Internal Diameter. Additional sizes are available on overnight delivery, including internal diameters up to 500mm, and section thickness of 1mm, 1.5mm, 1.6mm, 1.78mm, 2.2mm, 2.4mm, 2.62mm, 3.53mm, 5.7mm, 6mm, 7mm, 8mm, and 10mm.

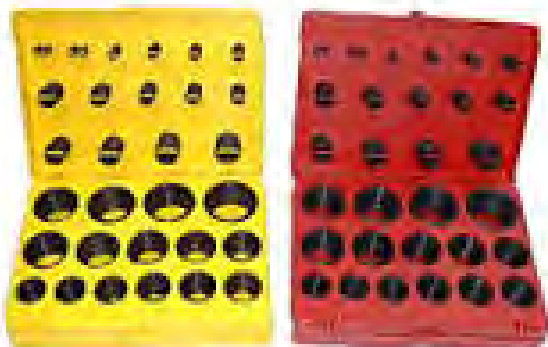
TO SUIT SHAFT			TO SUIT HOUSING			SECTION DIA		
4	mm		8	mm		2	mm	
5	mm		9	mm		2	mm	
6	mm		10	mm		2	mm	
7	mm		11	mm		2	mm	
8	mm		12	mm		2	mm	
9	mm		13	mm		2	mm	
10	mm		14	mm		2	mm	
11	mm		15	mm		2	mm	
12	mm		16	mm		2	mm	
13	mm		17	mm		2	mm	
14	mm		18	mm		2	mm	
15	mm		19	mm		2	mm	
16	mm		20	mm		2	mm	
17	mm		21	mm		2	mm	
18	mm		22	mm		2	mm	
19	mm		23	mm		2	mm	
20	mm		24	mm		2	mm	
21	mm		25	mm		2	mm	
22	mm		26	mm		2	mm	
23	mm		27	mm		2	mm	
24	mm		28	mm		2	mm	
25	mm		29	mm		2	mm	
26	mm		30	mm		2	mm	
27	mm		31	mm		2	mm	
28	mm		32	mm		2	mm	
29	mm		33	mm		2	mm	
30	mm		34	mm		2	mm	
31	mm		35	mm		2	mm	
32	mm		36	mm		2	mm	
33	mm		37	mm		2	mm	
34	mm		38	mm		2	mm	
35	mm		39	mm		2	mm	
36	mm		40	mm		2	mm	
37	mm		41	mm		2	mm	
38	mm		42	mm		2	mm	
39	mm		43	mm		2	mm	
40	mm		44	mm		2	mm	
42	mm		46	mm		2	mm	
43	mm		47	mm		2	mm	
44	mm		48	mm		2	mm	
45	mm		49	mm		2	mm	
47	mm		51	mm		2	mm	
48	mm		52	mm		2	mm	
50	mm		54	mm		2	mm	
4	mm		9	mm		2.5mm		
5	mm		10	mm		2.5mm		
6	mm		11	mm		2.5mm		
7	mm		12	mm		2.5mm		
8	mm		13	mm		2.5mm		
9	mm		14	mm		2.5mm		
10	mm		15	mm		2.5mm		
11	mm		16	mm		2.5mm		
12	mm		17	mm		2.5mm		
13	mm		18	mm		2.5mm		
14	mm		19	mm		2.5mm		
15	mm		20	mm		2.5mm		
16	mm		21	mm		2.5mm		
17	mm		22	mm		2.5mm		
18	mm		23	mm		2.5mm		
19	mm		24	mm		2.5mm		
20	mm		25	mm		2.5mm		
21	mm		26	mm		2.5mm		
22	mm		27	mm		2.5mm		
23	mm		28	mm		2.5mm		
24	mm		29	mm		2.5mm		
25	mm		30	mm		2.5mm		
26	mm		31	mm		2.5mm		
27	mm		32	mm		2.5mm		
28	mm		33	mm		2.5mm		
29	mm		34	mm		2.5mm		
30	mm		35	mm		2.5mm		
31	mm		36	mm		2.5mm		
32	mm		37	mm		2.5mm		
33	mm		38	mm		2.5mm		
34	mm		39	mm		2.5mm		
35	mm		40	mm		2.5mm		
36	mm		41	mm		2.5mm		
37	mm		42	mm		2.5mm		
38	mm		43	mm		2.5mm		
39	mm		44	mm		2.5mm		
40	mm		45	mm		2.5mm		
41	mm		46	mm		2.5mm		
42	mm		47	mm		2.5mm		
43	mm		48	mm		2.5mm		
44	mm		49	mm		2.5mm		
45	mm		50	mm		2.5mm		
46	mm		51	mm		2.5mm		
47	mm		52	mm		2.5mm		
48	mm		53	mm		2.5mm		
49	mm		54	mm		2.5mm		
50	mm		55	mm		2.5mm		
51	mm		56	mm		2.5mm		
52	mm		57	mm		2.5mm		
53	mm		58	mm		2.5mm		
54	mm		59	mm		2.5mm		
55	mm		60	mm		2.5mm		
56	mm		61	mm		2.5mm		
57	mm		62	mm		2.5mm		
58	mm		63	mm		2.5mm		
59	mm		64	mm		2.5mm		
60	mm		65	mm		2.5mm		
61	mm		66	mm		2.5mm		
62	mm		67	mm		2.5mm		
63	mm		68	mm		2.5mm		
64	mm		69	mm		2.5mm		
65	mm		70	mm		2.5mm		
66	mm		71	mm		2.5mm		
67	mm		72	mm		2.5mm		
68	mm		73	mm		2.5mm		
69	mm		74	mm		2.5mm		
70	mm		75	mm		2.5mm		
71	mm		76	mm		2.5mm		
72	mm		77	mm		2.5mm		
73	mm		78	mm		2.5mm		
74	mm		79	mm		2.5mm		
75	mm		80	mm		2.5mm		
76	mm		81	mm		2.5mm		
77	mm		82	mm		2.5mm		
78	mm		83	mm		2.5mm		
79	mm		84	mm		2.5mm		
80	mm		85	mm		2.5mm		
81	mm		86	mm		2.5mm		
82	mm		87	mm		2.5mm		
83	mm		88	mm		2.5mm		
84	mm		89	mm		2.5mm		
85	mm		90	mm		2.5mm		
86	mm		91	mm		2.5mm		
87	mm		92	mm		2.5mm		
88	mm		93	mm		2.5mm		
89	mm		94	mm		2.5mm		
90	mm		95	mm		2.5mm		
91	mm		96	mm		2.5mm		
92	mm		97	mm		2.5mm		
93	mm		98	mm		2.5mm		
94	mm		99	mm		2.5mm		
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97	mm		102	mm		2.5mm		
98	mm		103	mm		2.5mm		
99	mm		104	mm		2.5mm		
100	mm		105	mm		2.5mm		
101	mm		106	mm		2.5mm		
102	mm		107	mm		2.5mm		
103	mm		108	mm		2.5mm		
104	mm		109	mm		2.5mm		
105	mm		110	mm		2.5mm		
106	mm		111	mm		2.5mm		
107	mm		112	mm		2.5mm		
108	mm		113	mm		2.5mm		
109	mm		114	mm		2.5mm		
110	mm		115	mm		2.5mm		
111	mm		116	mm		2.5mm		
112	mm		117	mm		2.5mm		
113	mm		118	mm		2.5mm		
114	mm		119	mm		2.5mm		
115	mm		120	mm		2.5mm		
116	mm		121	mm		2.5mm		
117	mm		122	mm		2.5mm		
118	mm		123	mm		2.5mm		
119	mm		124	mm		2.5mm		
120	mm		125	mm		2.5mm		
121	mm		126	mm		2.5mm		
122	mm		127	mm		2.5mm		
123	mm		128	mm		2.5mm		
124	mm		129	mm		2.5mm		
125	mm		130	mm		2.5mm		
126	mm		131	mm		2.5mm		
127	mm		132	mm		2.5mm		
128	mm		133	mm		2.5mm		
129	mm		134	mm		2.5mm		
130	mm		135	mm		2.5mm		
131	mm		136	mm		2.5mm		
132	mm		137	mm		2.5mm		
133	mm		138	mm		2.5mm		
134	mm		139	mm		2.5mm		
135	mm		140	mm		2.5mm		
136	mm		141	mm		2.5mm		
137	mm		142	mm		2.5mm		
138	mm		143	mm		2.5mm		
139	mm		144	mm		2.5mm		
140	mm		145	mm		2.5mm		
141	mm		146	mm		2.5mm		
142	mm		147	mm		2.5mm		
143	mm		148	mm		2.5mm		
144	mm		149	mm		2.5mm		
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149	mm		154	mm		2.5mm		
150	mm		155	mm		2.5mm		
151	mm		156	mm		2.5mm		
152	mm		157	mm		2.5mm		
153	mm		158	mm		2.5mm		
154	mm		159	mm		2.5mm		
155	mm		160	mm		2.5mm		
156	mm		161	mm		2.5mm		
157	mm		162	mm		2.5mm		
158	mm		163	mm		2.5mm		
159	mm		164	mm		2.5mm		
160	mm		165	mm		2.5mm		
161	mm		166	mm		2.5mm		
162	mm		167	mm		2.5mm		
163	mm		168	mm		2.5mm		
164	mm		169	mm		2.5mm		
165	mm		170	mm		2.5mm		
166	mm		171	mm		2.5mm		
167	mm		172	mm		2.5mm		
168	mm		173	mm		2.5mm		</

METRIC 'O' RINGS (Continued)

TO SUIT SHAFT			TO SUIT HOUSING			SECTION DIA	TO SUIT SHAFT			TO SUIT HOUSING			SECTION DIA
25	mm		31	mm		3 mm	24	mm		32	mm		4 mm
26	mm		32	mm		3 mm	25	mm		33	mm		4 mm
27	mm		33	mm		3 mm	26	mm		34	mm		4 mm
28	mm		34	mm		3 mm	28	mm		36	mm		4 mm
29	mm		35	mm		3 mm	30	mm		38	mm		4 mm
30	mm		36	mm		3 mm	32	mm		40	mm		4 mm
31	mm		37	mm		3 mm	34	mm		42	mm		4 mm
32	mm		38	mm		3 mm	35	mm		43	mm		4 mm
33	mm		39	mm		3 mm	36	mm		44	mm		4 mm
34	mm		40	mm		3 mm	37	mm		45	mm		4 mm
35	mm		41	mm		3 mm	38	mm		46	mm		4 mm
36	mm		42	mm		3 mm	40	mm		48	mm		4 mm
37	mm		43	mm		3 mm	42	mm		50	mm		4 mm
38	mm		44	mm		3 mm	44	mm		52	mm		4 mm
39	mm		45	mm		3 mm	45	mm		53	mm		4 mm
40	mm		46	mm		3 mm	47	mm		55	mm		4 mm
42	mm		48	mm		3 mm	48	mm		56	mm		4 mm
44	mm		50	mm		3 mm	50	mm		58	mm		4 mm
45	mm		51	mm		3 mm							
48	mm		54	mm		3 mm	12	mm		22	mm		5 mm
50	mm		56	mm		3 mm	13	mm		23	mm		5 mm
							15	mm		25	mm		5 mm
9	mm		16	mm		3.5mm	20	mm		30	mm		5 mm
10	mm		17	mm		3.5mm	25	mm		35	mm		5 mm
13	mm		20	mm		3.5mm	28	mm		38	mm		5 mm
15	mm		22	mm		3.5mm	30	mm		40	mm		5 mm
18	mm		25	mm		3.5mm	35	mm		45	mm		5 mm
19	mm		26	mm		3.5mm	40	mm		50	mm		5 mm
20	mm		27	mm		3.5mm	42	mm		52	mm		5 mm
21	mm		28	mm		3.5mm	45	mm		55	mm		5 mm
22	mm		29	mm		3.5mm	50	mm		60	mm		5 mm
23	mm		30	mm		3.5mm							
25	mm		32	mm		3.5mm							
26	mm		33	mm		3.5mm							
27	mm		34	mm		3.5mm							
28	mm		35	mm		3.5mm							
30	mm		37	mm		3.5mm							
32	mm		39	mm		3.5mm							
33	mm		40	mm		3.5mm							
34	mm		41	mm		3.5mm							
35	mm		42	mm		3.5mm							
36	mm		43	mm		3.5mm							
37	mm		44	mm		3.5mm							
38	mm		45	mm		3.5mm							
40	mm		47	mm		3.5mm							
43	mm		50	mm		3.5mm							
45	mm		52	mm		3.5mm							
47	mm		54	mm		3.5mm							
50	mm		57	mm		3.5mm							
7	mm		15	mm		4 mm							
8	mm		16	mm		4 mm							
10	mm		18	mm		4 mm							
12	mm		20	mm		4 mm							
16	mm		24	mm		4 mm							
18	mm		26	mm		4 mm							
20	mm		28	mm		4 mm							
22	mm		30	mm		4 mm							

'O' RING CORD

METRIC	TOLERANCE NITRILE DURO 70	IMPERIAL	TOLERANCE NITRILE DURO 70
1.6mm	± .20	1/16" (1.78mm)	± .20
2mm		3/32" (2.62mm)	± .25
2.5mm		1/8" (3.53mm)	
3mm	± .25	3/16" (5.33mm)	± .40
3.5mm		1/4" (6.99mm)	
4mm		5/16"	
4.5mm	± .35	3/8"	± .50
5mm		7/16"	
5.5mm		1/2"	
5.7mm		9/16"	
6mm		5/8"	
6.5mm	± .40	3/4"	± .70
7mm			
7.5mm			
8mm			
8.4mm			
8.5mm			
9mm			
9.5mm			
10mm			



O'RING ASSORTMENT KITS

Metric & Imperial Kits
382 pieces over a range of
30 sizes
Nitrile Rubber Shore 70 Grade



O'RING SPLICING & BONDING KITS

Contains 9 diameters
of O'Ring Cord plus Loctite
406 Bonder & cutting jig enabling
the user to make any size O'Ring

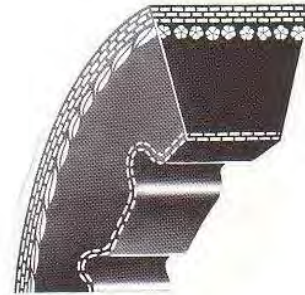
CLASSICAL VEE BELTS

Sections A, B, C, D, M



POWER WEDGE BELTS

Sections SPAX, SPBX, SPCX, SPZX



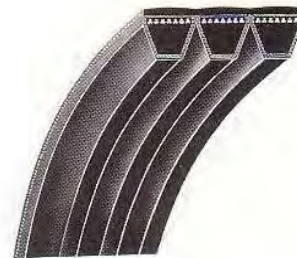
RAW EDGE COG BELTS

Heavy Duty and Automotive Applications such as Trucks and Buses
Sections AX and BX



CLASSICAL BANDED BELTS

Eliminates Belt Whip and Turnover
Sections A, B, C, D



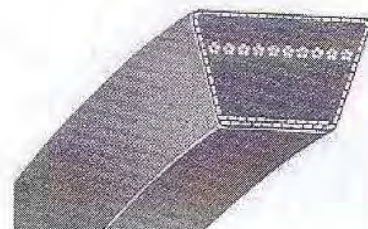
DOUBLE ANGLE BELTS

For Serpentine Drives, Ride-on Mowers, Back-idders etc.
Sections A, B, C

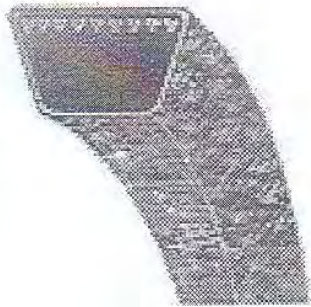


GPL BELTS

Industrial Light Duty and Fractional Horsepower Drives
Sections 3L, 4L, 5L



XDV RIDE-ON MOWER BELTS
Kevlar Wrapped Heavy Duty Belts
To Suit Back-Idle Applications
Sections A and B



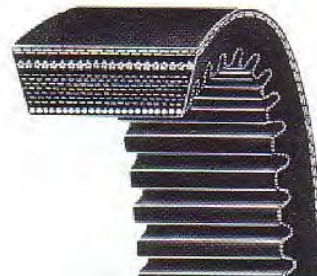
SYNCHRO BELTS
(Timing Belts) Metric and Imperial
Dimensions



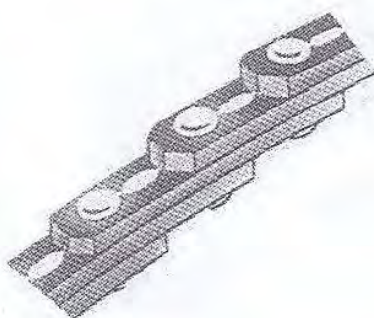
MULTI-RIB BELTS
(Polyrib, Polyvee)
Sections 'J', 'L' and 'M'



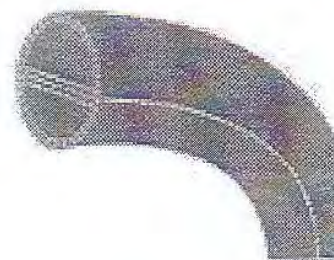
VARIABLE SPEED COG BELTS



BRAMMER BELTING
Detachable Belting for applications
Where Shafts and Pulleys cannot
be removed



ROUND BELTING
(Volta or Fusit Brands in Green or
Brown Colour) Cut and Fused to
Required Length in Diameters:
2mm, 3mm, 4mm, 5mm, 6mm, 6.3mm
8mm, 9.5mm, 10mm, 12mm.



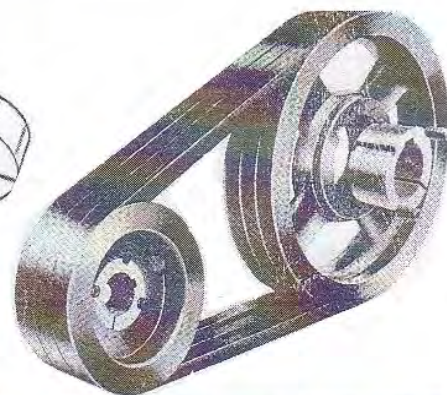
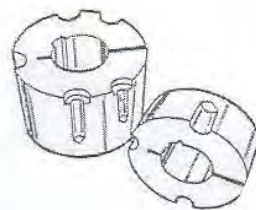
ALLUMINIUM VEE PULLEYS

Ranging from
2" to 6.1/2" Outside
Diameter, Pre-bored
To 1/2", 5/8" and 3/4"



TAPER LOCKING PULLEYS AND BUSHES

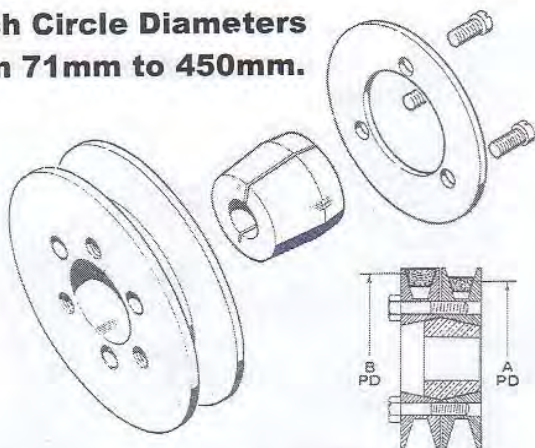
Multi Groove Cast Iron Pulleys with
Pre - bored Tapered Bushes to suit
Belt Profiles A, B, C, D, SPA, SPB,
SPC, SPZ



BI - LOC DUAL DUTY PULLEYS

Taper Locking Pulleys with Pre-bored
Bushes to suit either A or B Section
Belts.

Pitch Circle Diameters
from 71mm to 450mm.

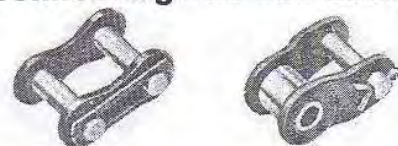


ROLLER CHAIN AND SPROCKETS

British Std
American Std
Metric



Simplex, Duplex and Triplex
Connecting and half Links



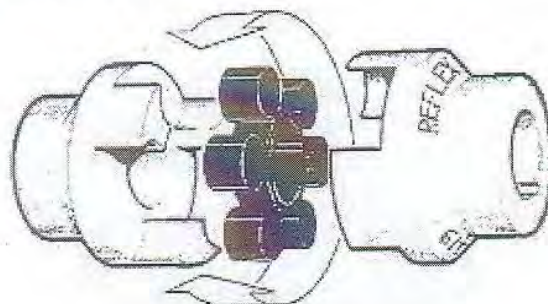
LEAF CHAINS CONVEYOR CHAINS, ATTACHMENT CHAINS DOUBLE PITCH CHAINS, AGRICULTURAL CHAINS



"REFLEX"

REFLEX SHAFT COUPLINGS

Cast iron Pilot-bored Flanges with
Rubber Element. Three Sizes to
Suit Shafts up to 50mm.





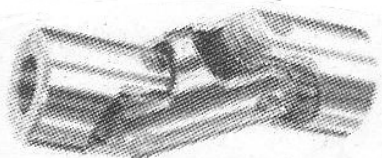
**FENNER HRC Shaft Couplings
with pre-bored Taper Locking Bushes
for medium duty applications**



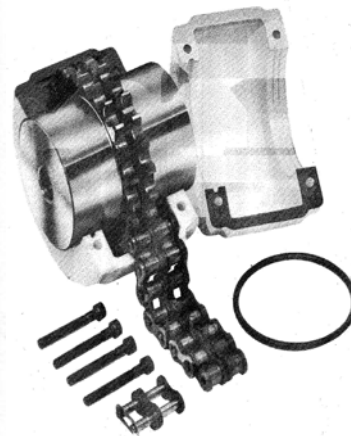
**FENNERFLEX Heavy Duty Tyre Shaft
Couplings and Flywheel Couplings
with pre-bored Taper Locking Bushes**



**FENNER Industrial Universal Joints
for light duty shaft couplings
Double and Single available**



**PML Chain Shaft Couplings
with Grease Covers**



EXTERNAL CIRCLIPS



Retaining Rings in Spring Steel EN 42 finished in Phosphate and Oil.

Ex stock for shaft sizes from 3mm to 200mm, and 5/32 to 5.3/*
Ex stock for shaft sizes from 3mm to 200mm, and 5/32" to 5.3/8"

Popular sizes also carried in STAINLESS STEEL

'A' CLIPS



Available in Phosphate and Oil finish for shaft sizes

11/64"
7/32"
15/64"
1/4"
19/64"
7/16"
17/32"
9/16"
21/32"

INTERNAL CIRCLIPS



Retaining Rings in Spring Steel EN 42 finished in Phosphate and Oil.

Ex stock for Bore sizes from 8mm to 200mm and 3/8" to 7.7/8"

Popular sizes also carried in STAINLESS STEEL

GRIP RING FOR SHAFTS WITHOUT GROOVES



Heavy Duty Retaining Rings in Spring Steel
Heavy Duty extra thick Retaining Rings in spring Steel.

We carry three sizes to fit shaft sizes

3/8"
1/2"
3/4"

Additional sizes in Metric and Imperial available on firm order.

'E' TYPE RETAINING RINGS



Retaining Rings in Spring Steel EN 42 finished in Phosphate and Oil.

Ex stock for Groove dimensions from 0.8mm to 30mm and .052" to .940".

Spring Pins



Also known as 'Tension Pins' and 'Roll Pins', these Spring Steel Retainers are carried in the following diameters

1/16"	2mm
5/64"	2.5mm
3/32"	3mm
1/8"	4mm
5/32"	5mm
3/16"	6mm
7/32"	8mm
1/4"	10mm
5/16"	12mm
3/8"	
7/16"	
1/2"	

Starlock Push-on Fasteners

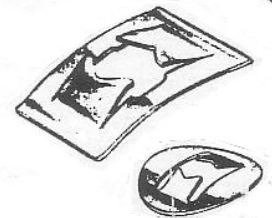


Capped Starlocks are ex stock with Blued Varnish Washers and Stainless Steel Caps for the following shaft sizes:

1/16" to 1"
1.5mm to 25mm

Applicator Tools and Ferrules are also ex stock.

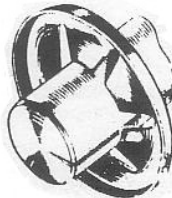
PUSH ON FIXES



ROUND OR RECTANGULAR TYPES in Blue Oxidised finish to suit the following Studs

3/32"	3mm
1/8"	5mm
5/32"	6mm
3/16"	8mm
1/4"	
5/16"	

Starlock Push-on Fasteners



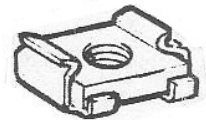
Plain Starlock Washers are ex stock in Blued Varnish Finish for the following shaft sizes:

1/16" to 1"
1.5mm to 25mm

Square Shaft Plain Starlocks are carried for 5/16" and M8 Shafts

Applicator Tools and Magnetic Ferrules are also ex stock.

CAGED NUTS



Suitable for Blind Locations, Eliminate Welding, Clinching and Staking. Available in Zinc Chromate Finish for Screw Sizes:

0BA
M4
M5
M6
M8
M10

Stainless Steel available on Indent Basis.

CAPTIVE NUTS



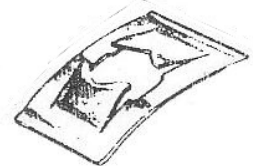
SELF RETAINING CLIPS FOR PANEL ASSEMBLY.

Blue Oxidised finish

We carry a range to suit a wide variety of Panel Thicknesses and Screw Sizes.

#4	6BA	3/16"BSW
#6	4BA	1/4" BSW
#8	2BA	5/16"ACME
#10		
#12		M6

FLAT NUTS

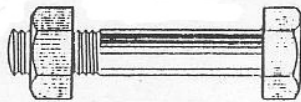


RECTANGULAR PRESSINGS TO REPLACE THREADED NUTS WHERE SPACE IS TIGHT.

Blue Oxidised Finish to suit the following Screws

#6	6BA
#8	4BA
#10	2BA
3/16"BSW	M4
1/4" BSW	

HIGH TENSILE BOLTS & NUTS

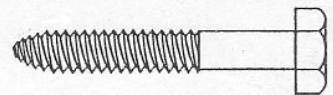


Available in Zinc Plated & Black

METRIC	M6	up to 65mm long
	M8	up to 200mm
	M10	up to 90mm
	M12	up to 130mm
	M16	up to 100mm
	M20	up to 150mm
	M24	up to 150mm

IMPERIAL	1/4	up to 4"
	5/16	up to 6"
	3/8	up to 6"
	7/16	up to 6"
	1/2	up to 8"
	9/16	up to 6"
	5/8	up to 8"
	3/4	up to 10"

MILD STEEL COACH SCREWS

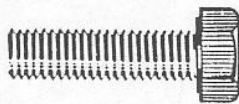


Available in Galvanised & Black

Sizes:

M6	up to 100mm long
M8	up to 100mm
M10	up to 180mm
M12	up to 200mm
M16	up to 260mm
M20	up to 280mm

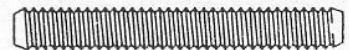
HIGH TENSILE SET SCREWS



Available in Zinc Plated or Black

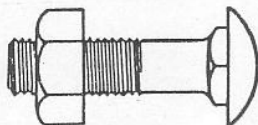
METRIC	M6	up to 50mm long
	M8	up to 50mm
	M10	up to 50mm
	M12	up to 50mm
	M16	up to 50mm
	M20	up to 50mm
IMPERIAL	1/4	up to 2"
	5/16	up to 2"
	3/8	up to 2"
	7/16	up to 2"
	1/2	up to 2"
	5/8	up to 2"

THREADED ROD



MILD STEEL		STAINLESS STEEL
Zinc Plated	7/8"	
M4	1"	M5
M5	1.1/4"	M6
M6		M8
M8	HI-TENSILE	M10
M10	Zinc Plated	M12
M12	M10	M16
M16	M12	M20
M20	M16	1/4"
M24	M20	5/16"
M30	M24	3/8"
3/16"		7/16"
1/4"	BRASS	1/2BSW
5/16"	M5	1/2"UNC
3/8"	M6	9/16"
7/16"	M8	5/8"
1/2"BSW	M10	3/4"
1/2"UNC	M12	

MILD STEEL COACH BOLTS

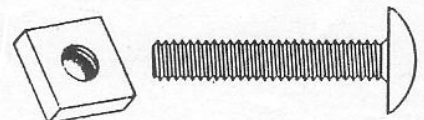


Available in Galvanised, Zinc Plated or Black

Sizes:

M6	up to 190mm long
M8	up to 200mm
M10	up to 400mm
M12	up to 400mm
M16	up to 500mm
M20	up to 450mm

GUTTER BOLTS & NUTS



Available in Zinc Plated Mild Steel

Sizes:

METRIC	
M5	up to 50mm long
M6	up to 50mm

IMPERIAL	
3/16	up to 2"
1/4	up to 2"

Supplied off the shelf with Square Nuts.
(Also available without Nuts)

Socket Head Cap Screws

ALLOY STEEL

THREAD SIZES

Metric				
M1.6	M24	5/16	1/8	3/4
M2	M36	3/8	3/16	BSF
M2.5	M42	7/16	1/4	3/16
M3		1/2	5/16	1/4
M4	Imperial	5/8	3/8	5/16
M5	UNC/BSW	7/16	3/8	
M6	UNF	#2	1/2	7/16
M8	#0	#3	5/8	1/2
M10	#1	#4	3/4	5/8
M12	#6	#5	7/8	8BA
M14	#8	#6	1	6BA
M16	#10	#8	1.1/4	4BA
	1/4	#10	1.1/2	2BA



Pressure Plugs

DRYSEAL TYPE
with 3/4 Inch
taper per foot.

SIZES

1/8
1/4
3/8
1/2
5/8
3/4
1
1.1/4
1.1/2

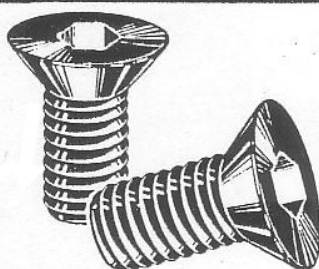


Socket Flat Head Screws

ALLOY STEEL

THREAD SIZES

Metric		Imperial		
M3		UNF	#5	BSF
M4		#10	#6	3/16
M5		1/4	#8	2BA
M6		5/16	#10	
M8		3/8	3/16	
M10		1/2	1/4	
M12		UNC/BSW	5/16	
M16		#2	3/8	
M20		#3	7/16	
M24		#4	1/2	
			5/8	
			3/4	

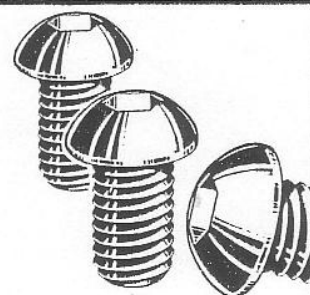


Socket Button Head Screws

ALLOY STEEL

THREAD SIZES

Metric		Imperial		
M3		UNF		BSW
M4		#10	#8	3/16
M5		1/4	#10	1/4
M6		5/16	1/4	5/16
M8		3/8	5/16	3/8
M10		UNC	3/8	1/2
M12		#2	1/2	
		#3	5/8	
		#4		
		#6		

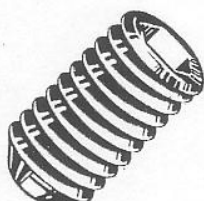


Socket Set Screws

ALLOY STEEL

THREAD SIZES

Metric		Imperial		
M1.6		UNF	UNC/BSW	
M2		#0	#2	7/16
M2.5		#1	#3	1/2
M3		#4	#4	5/8
M4		#5	#5	3/4
M5		#6	#6	7/8
M6		#8	#8	1
M8		#10	#10	6BA
M10		1/4	1/8	4BA
M12		5/16	3/16	2BA
M16		3/8	1/4	
M20		7/16	5/16	
M24		1/2	3/8	

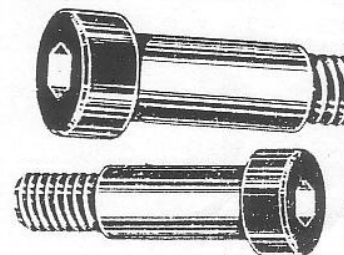


Socket Shoulder Screws

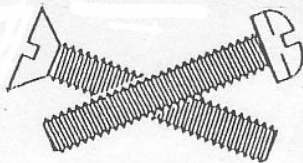
ALLOY STEEL

SHOULDER DIA

Metric		Imperial	
M6	(M5 thr)	1/4	(3/16BSW thr)
M8	(M6 thr)	1/4	(#10 UNC thr)
M10	(M8 thr)	5/16	(1/4 UNC thr)
M12	(M10thr)	3/8	(5/16UNC thr)
M16	(M12thr)	1/2	(3/8 UNC thr)
M20	(M16thr)	5/8	(1/2 UNC thr)
M24	(M20thr)	5/8	(1/2 BSW thr)
		3/4	(5/8 UNC thr)



MACHINE SCREWS METRIC



Available in Zinc Plated Steel
Stainless Steel
Brass Self Colour

Sizes:

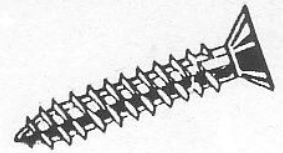
M3
M4
M5
M6

Up to 50mm long



PAN & CSK HEAD Pozi Drive and Slotted.

TWINFAST SCREWS



Available in Zinc Plated Steel
BMA Plated Steel

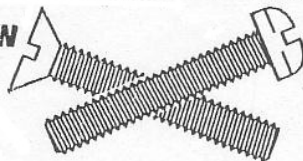
Sizes:

#4
#5
#6
#7
#8
#9
#10

Up to 50mm in length

PAN HEAD, CSK HEAD, Slotted or Pozi Drive.

MACHINE SCREWS BSW



Available in Zinc Plated Steel
Stainless Steel
Brass Self Colour

Sizes:

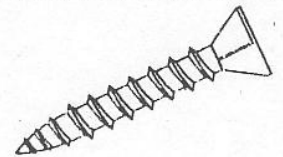
1/8 BSW
5/32 BSW
3/16 BSW
1/4 BSW

Up to 2" in length

ROUND HEAD & CSK HEAD Slotted



SUREFIX SCREWS



Available in Zinc Chromate Steel
and BMA Plated Steel

Sizes:

#6 x 5/8 up to 1"
#8 x 3/4 up to 2"
#10x 2.1/2 up to 3"

Pozi Drive and Square Drive available in all but #6 gauge
Most sizes can be supplied UNRIBBED in BMA finish for Hinges.

SELF TAPPING SCREWS

Available in Steel, Bright Zinc and Black Zinc plated.

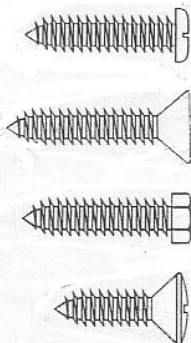
SIZES:

#4
#6
#8
#10
#12

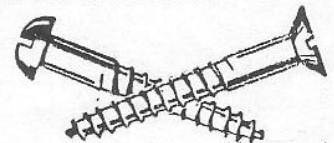
Up to 2" long

PAN HEAD Pozi Drive
PAN HEAD Slotted
CSK Pozi Drive
CSK Slotted

RAISED CSK Pozi Drive and Slotted
HEX HEAD Slotted



WOODSCREWS



Available in BRASS Self Colour only

Sizes:

#4
#6
#8
#10

ROUND HEAD & CSK HEAD Slotted

TUCKER OPEN POP RIVETS



The following Sizes in Alluminium available Ex - Stock in packets of 100 pieces.

1/8" dia x 1/8" length

1/8" x 3/16"

1/8" x 1/4"

1/8" x 5/16"

1/8" x 3/8"

5/32" x 3/16"

5/32" x 1/4"

5/32" x 3/8"

3/16" x 3/16"

3/16" x 1/4"

3/16" x 3/8"

Some sizes carried in packets of 1,000 pieces.

Other Material available against firm order....STEEL

MONEL METAL

STAINLESS STEEL

Large Flange type also available for fixing timber to steel.

COTTER (SPLIT) PINS



The following sizes are carried ex stock. Others are available against firm order, including Stainless Steel and some Brass.

1.6 x 40mm (1/16 x 1.1/2)

2.0 x 25 (5/64 x 1)

2.5 x 20 (3/32 x 3/4)

2.5 x 25 (3/32 x 1)

2.5 x 40 (3/32 x 1.1/2)

2.5 x 50 (3/32 x 2)

3.2 x 25 (1/8 x 1)

3.2 x 40 (1/8 x 1.1/2)

3.2 x 50 (1/8 x 2)

4.0 x 25 (5/32 x 1)

4.0 x 40 (5/32 x 1.1/2)

4.0 x 50 (5/32 x 2)

5.0 x 40 (3/16 x 1.1/2)

5.0 x 50 (3/16 x 2)

6.3 x 50 (1/4 x 2)

8.0 x 50 (5/16 x 2)

8.0 x 75 (5/16 x 3)

10 x 40 (3/8 x 1.1/2)

10 x 75 (3/8 x 3)

10 x 90 (3/8 x 3.1/2)

THUMB SCREWS



Available as STEEL Self Colour

Only one size carried Ex - Stock

5/16"UNC x 1/2" long

HAMMER DRIVE SCREWS



Available as STEEL in following finishes:

Electro-Brassed

0 x 1/8

x 3/16

x 1/4

2 x 1/8

x 3/16

x 1/4

4 x 3/16

x 1/4

x 5/16

6 x 1/4

x 5/16

x 3/8

x 1/2

Nickel Plated

0 x 1/8

2 x 1/8

x 1/4

4 x 3/16

Self Colour

8 x 3/8

10 x 3/8

x 1/2

Zinc Plated

2 x 3/16

x 5/16

4 x 1/4

6 x 5/16

x 3/8

DOUBLE ENDED STUDS

(Hanger Bolts) -
Coarse Thread for Timber
at one end and Machined
Thread at the other.

M8 x 50mm

5/16"UNC x 2"

5/16"UNC x 2.1/2"

3/8" UNC x 2.5/8"



GYPSUM Selfdrill Screw
for Timber and Metal

#6 x 25mm to #10g

#6g x 25mm to #10g x 50mm



JOINT CONNECTOR BOLTS

Finished in Brass or
Florentine Bronze

M6 x 35

M6 x 40

M6 x 45

M6 x 50

M6 x 60

M6 x 70

M6 x 70

M6 x 80

M6 x 100



INSERT NUTS

Steel, Zinc Plated

M6 13 (Flanged or Plain)

M6 x 20 (Flanged or Plain)

M8 x 13 (Plain)

M8 x 20 (Plain)



TYPE 17 Selfdrill Screw with Seal



Both Timber and Metal types stocked
#12 gauge x 50mm to #14 gauge x 65
#12g x 50mm to #14g x 65mm

Also available in Square Drive

DIRECTOR SCREWS

Steel, Zinc Plated
Pozi and Inhex Drives

6.3mm dia x 11mm

6.3mm x 13mm

6.3mm x 50mm

7.0mm x 50mm



CROSS DOWELLS

Steel, Zinc Plated

M6 x 13

M6 x 20



SECURITY SCREWS

Stainless Steel Tamper Resistant
Machine and Self Tapping Screws,
Pan and Countersunk Heads.



PHILLIPS PIN-HEADS



SOCKET PIN-HEADS



**TORX®
TAMPERPROOF**



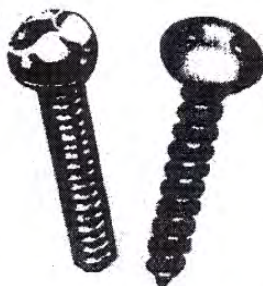
ONE-WAYS



TRI-WING®



SNAKE EYES®



HEX HEAD

SELF TAPPING SCREWS

ZINC Zinc Plate Finish
Sizes available

#10 gauge x 3/8" long

#10 x 1/2"

#14 x 1/2"

#14 x 3/4"



SEMS

Assembled Machine Screw
with integrated Flat
and Spring Washer.
Hex and Pan Head Phillips
and Pozi available, Zinc
Chromate Finish.

Sizes: M3, M4, M5, M6 and some
larger diameters in Hex Head.



EXHAUST MANIFOLD STUDS

Length 50mm, Bright Zinc Plate Finish

M 6 x 1.0
M 8 x 1.25
M 10 x 1.25
M 10 x 1.5
M 12 x 1.25
M 12 x 1.5

5/16" UNC
5/16" UNF
3/18" UNC/UNF
3/8" UNF
7/16" UNC

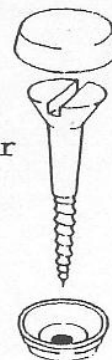


PLASTIC, COLOURED SCREW COVERS

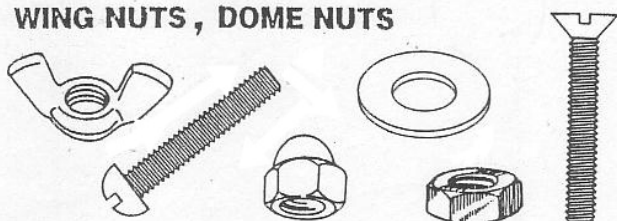
A wide variety of colours
available against firm order
(White & Coffee Ex - Stock)

Sizes:

To suit #8 Screw
To suit #10 Screw



NYLON MACHINE SCREWS & NUTS WING NUTS, DOME NUTS



Moulded in tough, resilient NYLON
Natural in colour.

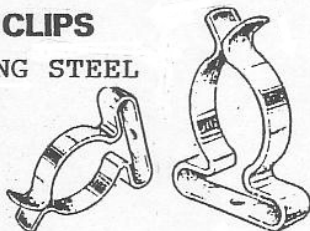
SCREW TYPES available
Countersunk, Pan Head, Round Head
Cheese Head, Hexagon Head.

THREAD SIZES Available

M2	M5	M16
M2.5	M6	6-32UNC
M3	M8	3/8"BSW
M3.5	M10	1/2"BSW
M4	M12	5/8"BSW

SPRING STEEL TOOL CLIPS

Available as SPRING STEEL
Zinc Plated (some
Polythene Coated
also available
Ex - Stock)



Part No	Grip Dia
---------	----------

LS101/10	1/4"
LS101/11	3/8"
LS101/12	1/2"
LS101/13	5/8"
LS101/14	3/4"
LS101/15	1"
LS101/16	1.1/8"
LS101/17	1.1/4"
LS101/18	1.1/2"
LS101/19	2"

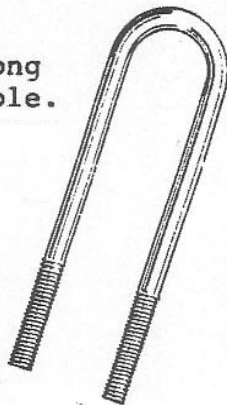
PIPE SIZE U BOLTS

Steel, Zinc Plate. Long and Short Leg available.

To Fit NB GALV. PIPE

- 15 NB — 1/2" Galv Pipe
- 20 NB — 3/4" Galv Pipe
- 25 NB — 1" Galv Pipe
- 32 NB — 1.1/4" Galv Pipe
- 40 NB — 1.1/2" Galv Pipe
- 50 NB — 2" Galv Pipe
- 65 NB — 2.1/2" Galv Pipe
- 80 NB — 3" Galv Pipe
- 90 NB — 3.1/2" Galv Pipe
- 100 NB — 4" Galv Pipe
- 150 NB — 6" Galv Pipe

Also available against firm order
Larger Dia Pipe Sizes in Galv &
and Self Colour Finishes.

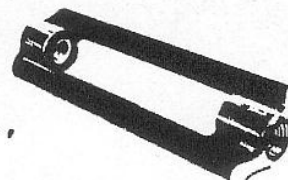


HEAVY DUTY TURNBUCKLES

M12, M16, M20, M24,
1.1/8", 1.1/4"

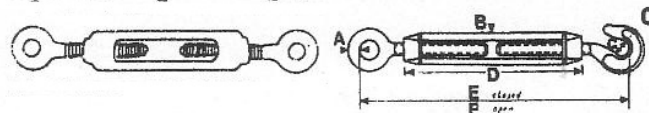
Right and Left hand Stubs are
600mm long.

Finished in Paint or Galvanised



LIGHT DUTY TURNBUCKLES

Steel, Zinc Plated and some S/Steel.
Eye to Eye & Eye to Hook available.

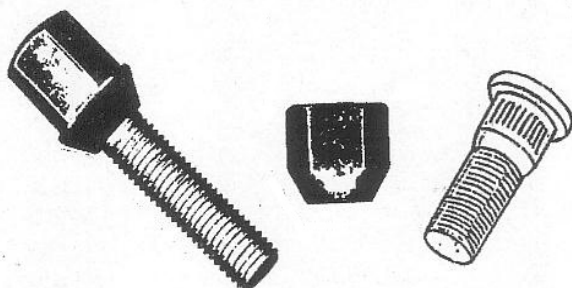


SIZE	A	B	C	D	E	F
6mm	6mm	6.5mm	9.5mm	100mm	160mm	230mm
8mm	7mm	8mm	12mm	125mm	195mm	285mm
10mm	8.5mm	10mm	14.5mm	150mm	250mm	350mm
12mm	9.5mm	12mm	17mm	200mm	310mm	450mm
16mm	12mm	15mm	23mm	245mm	380mm	560mm
20mm	16mm	16mm	26mm	300mm	450mm	660mm
22mm	18mm	19mm	32mm	320mm	470mm	720mm

Additional Sizes available
in Galvanised Finish

Dimension A	C	E
12mm	18mm	210mm
16mm	23mm	310mm

WHEEL STUDS

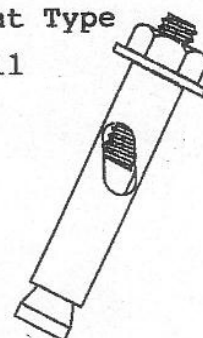


A wide range of Standard and Long
Wheel Studs and Nuts available for
22 vehicle manufacturers.

RAMSET DYNABOLTS/Hex Nut Type

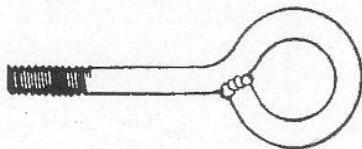
Dia	Length Overall		
M6	26mm		
M6	38mm		
M6	58mm		
M8	42		
M8	66		
M8	92		
M10	40		
M10	48		
M10	75		
M10	100	M20	82
M12	58	M20	114
M12	70	M20	158
M12	98		
M12	126		
M16	64		
M16	108		
M16	142		

Stainless Steel
avail in some
lengths in M6, M8,
M10 and M12.



EYE BOLTS

Heavy Duty



LEG LENGTH	M12	M16	M20
150	50	25	—
200	50	25	25
250	50	25	25
300	25	25	10
350	25	25	10
400	25	25	10

* LONGER AND SPECIAL SIZES MADE TO ORDER.

FINISHES: Black, Zinc Plated, H.D.

Galvanised in all sizes.

Available welded — or unwelded.

EYE BOLTS

HI-TENSILE, SELF COLOUR
Thread Sizes Available

3/8"	M10	M56
1/2"	M12	M64
5/8"	M14	M72
3/4"	M16	
7/8"	M18	
1"	M20	
1.1/8"	M22	
1.1/4"	M24	
1.1/2"	M27	
1.3/4"	M30	
2"	M36	
2.1/4"	M42	
2.1/2"	M48	
3"	M52	

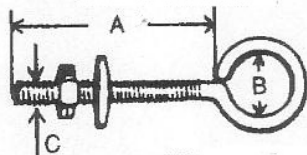
EYE NUTS also available
in most sizes.



EYE BOLTS

Light Duty
Steel, Zinc Plate

Take measurement
from under eye.



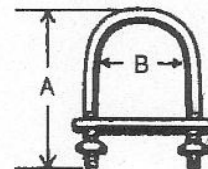
CAT No	Size	"A"	"B"	"C"
WLB0315	5X38X11MM ZP	38mm	11mm	5mm
WLB0420/HLB0420	6X50X15MM ZP	50mm	15mm	6mm
WLB0430/HLB0430	6X75X15MM ZP	75mm	15mm	6mm
WLB0530/HLB0530	8X75X20MM ZP	75mm	20mm	8mm
WLB0540/HLB0540	8X100X20MM ZP	100mm	20mm	10mm
WLB0640/HLB0640	10X100X26MM ZP	100mm	26mm	10mm
WLB0660/HLB0660	10X150X26MM ZP	150mm	26mm	10mm
WLB0620/HLB0620	8X30X25MM ZP	30mm	25mm	8mm
WLB0630/HLB0630	9X75X25MM ZP	75mm	26mm	9mm
WLB0410/HLB0410	6X25X15MM ZP	25mm	15mm	6mm
WLB0520/HLB0520	8X50X20MM ZP	50mm	20mm	8mm
WLB0209	9X32X20MM ZP	32mm	20mm	9mm
WLB0639/HLB0639	9X60X20MM ZP	60mm	26mm	9mm
WLB0520	6X50X23MM ZP	50mm	23mm	6mm

Additional Sizes available
in Galvanised Finish

Dimension	A	B	C
	200mm	37mm	12mm
	200mm	37mm	16mm

U/BOLTS

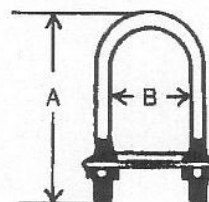
Steel, Zinc Plate
With Keeper Plate
and Nuts.



CAT No	Size	"A"	"B"	Water Pipe Dia
WLA0008/HLA0008	8X13MM ZP	50 mm	25 mm	8-13 mm
WLA0013/HLA0013	15X20MM ZP	55 mm	28 mm	13-20 mm
WLA0025/HLA0025	25MM ZP	70 mm	35 mm	25 mm
WLA0032/HLA0032	32MM ZP	82 mm	43 mm	32 mm
WLA0040/HLA0040	40MM ZP	82 mm	50 mm	38 mm
WLA0050/HLA0050	50MM ZP	96 mm	60 mm	50 mm

DOUBLE U/BOLTS

Steel, Zinc Plate
With Keeper Plate
and Nuts.



CAT No	Size	"A"	"B"	Water Pipe Dia
WLA1013/HLA1013	20MM ZP	95 mm	29 mm	13-20 mm
WLA1025/HLA1025	U 25MM ZP	104 mm	35 mm	25 mm
WLA1032/HLA1032	32MM ZP	113 mm	43 mm	32 mm
WLA1040/HLA1040	38MM ZP	130 mm	51 mm	38 mm
WLA1050/HLA1050	50MM ZP	140 mm	65 mm	50 mm

TOGGLEMATES

Heavy Duty
Plasterboard Anchors
Screwed directly into
walls and ceilings

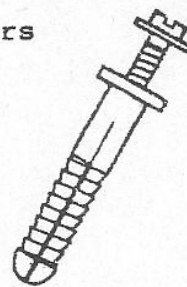
**WALLMATES**

Selfdrilling Plasterboard
Anchor for Walls & Cavities

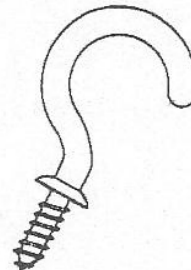
**NYLON ANCHORS**

Hammer-in Masonry Fasteners

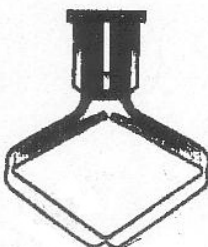
Sizes up to 75mm
in length stocked

**CUP HOOKS**

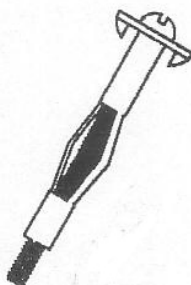
Sizes 16mm to 50mm
available.

**RAMTOGGLES**

Hollow Wall Anchors
for walls 6mm to 16mm

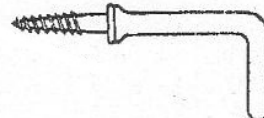
**MOLLY SCREW ANCHORS
and TOGGLES.**

For Hollow Wall
Mountings.

**SQUARE HOOKS**

Steel, Zinc Plate

Available Lengths
25mm
32mm
38mm

**CEILING HOOKS**

Steel, Zinc Plate

Available Lengths
65mm, 75mm, 90mm,
100mm, 150mm.

**SCREW EYES**

Steel, Zinc Plate

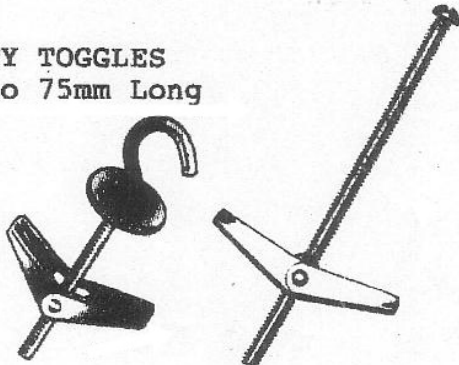
Available Lengths
25mm, 50mm, 63mm,
70mm, 90mm, 100mm, 125mm.

**RAMPLUGS**

Light Weight Screw
Anchor for Masonry
6mm Dia x 30mm
to 8mm Dia x 40mm

**GRAVITY TOGGLES**

50mm to 75mm Long

**WALL HOOKS (Picture Hooks)**

Steel, Zinc Plate
4.5mm Screw Hole Diameter
to suit Ramtoggles, Hollow
Wall Anchors etc.



MACHINED NUTS

Available as

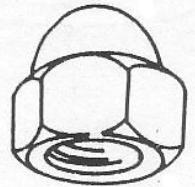
STEEL Zinc Plated
SELF COLOUR BLACK
STAINLESS STEEL
BRASS

Sizes:

METRIC		IMPERIAL	
M2	M20	UNC/UNF/BSW	
M2.5	M22	1/8"	3/4"
M3	M24	3/16"	7/8"
M4	M30	1/4"	1"
M5	M36	5/16"	1.1/8"
M6		3/8"	1.1/4"
M8		7/16"	1.1/2"
M10		1/2"	
M12		9/16"	
M14		5/8"	
M16			



DOME NUTS



Available as STEEL Zinc Plated
BRASS Nickle Plated
BRASS Self Colour
STAINLESS STEEL

Sizes:

M3	1/8"
M4	5/32"
M5	3/16"
M6	1/4"
M8	5/16"
M10	
M12	

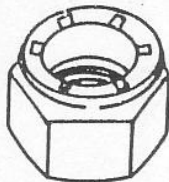
NYLOC NUTS

Available as

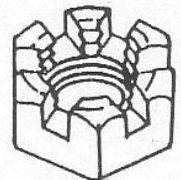
STEEL Zinc Plated
STAINLESS STEEL

METRIC COARSE

M3	M36	1/4"
M4	M42	5/16"
M5		3/8"
M6	METRIC FINE	7/16"
M7	M10 x 1.25	1/2"
M8	M12 x 1.25	9/16"
M10	M12 x 1.5	5/8"
M12	M14 x 1.5	3/4"
M14	M16 x 1.5	7/8"
M16	M24 x 2	1"
M20	IMPERIAL	1.1/8"
M22	UNC/UNF/BSW	1.1/4"
M24	1/8"	1.1/2"
M30	3/16"	



CASTLE NUTS



Available as STEEL Self Colour

Sizes:

METRIC	9/16"	BSW
M10	5/8"	1/2"
M12	3/4"	5/8"
M16	7/8"	3/4"
M20	1"	7/8"
M24	1.1/8"	1"
	1.1/4"	1.1/4"
UNF	1.3/8"	BSF
5/16"	1.1/2"	1/4"
3/8"	2"	3/8"
7/16"		1/2"
1/2"		1.1/8"

PRESSED NUTS

STEEL HEXAGON

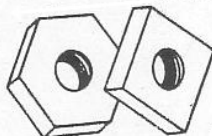
M3	1/8"
M4	5/32"
M5	3/16"
M6	1/4"

STEEL SQUARE

M5	3/16"
M6	1/4"

BRASS HEXAGON

M3	1/8"
M4	5/32"
M5	3/16"
M6	1/4"



WING NUTS



Available as STEEL Zinc Plated
BRASS Nickle Plated
BRASS Self Colour
STAINLESS STEEL

Sizes:

METRIC	IMPERIAL
M3	UNC/BSW
M4	5/32"
M5	3/16"
M6	1/4"
M8	5/16"
M10	3/8"
M12	1/2"
M16	
M20	

HALF NUTS

STEEL, ZINC PLATED



Available Sizes

BSW 5/16", 3/8", 7/16", 5/8"

UNF 7/16", 1/2", 5/8", 3/4"

METRIC M8, M10, M12, M14, M16,
M20, M20x1.5, M24, M24x2.0, M30

BRASS

Available Sizes

BSW 5/16", 3/8", 1/2"

METRIC M10, M12

STAINLESS STEEL

Available Sizes

BSW/UNC 8-32, 10-24-3/16", 10-32,
1/4", 5/16", 3/8", 1/2"

METRIC M5, M6, M8, M10, M12, M16,
M20, M24

WELD NUTS



MILD STEEL, BLACK

Available Sizes

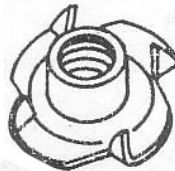
M6

M8

M10

TEE NUTS

STEEL, ZINC PLATED &
ZINC PASSIVATED



Available Sizes

BSW 3/16", 1/4", 5/16", 3/8"

METRIC M4, M5, M6, M8, M10, M12

PEM NUTS

STEEL, ZINC PLATED

Press into Sheet Metals
to form Captive Nut..
Suitable for sheets as
thin as .030" (0.8mm)



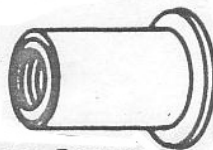
Available Thread Sizes

BSW #0 to 3/8"

METRIC M2 to M10

RIVNUTS

STEEL, ZINC PLATED &
ALLUMINIUM



Available with Small or Large
Flange in the following Thread
Sizes: M4, M5, M6, M8, M10

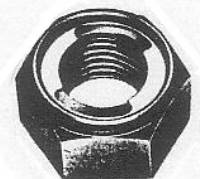
METRIC M4, M5, M6, M8, M10

BSW 3/16", 1/4"

Various Grip Ranges available
from .25mm to 6mm

ST. STEEL INSERT NUTS

Stainless Steel Flange
works like Nylon Insert
Nut to lock in place.
Made for High Heat or
Corrosive Situations and available
in following sizes:



METRIC M3, M4, M5, M6, M8, M10,
M10x1.25, M12, M12x1.5, M16, M20

BSW 3/16", 1/4", 5/16", 3/8", 1/2",
5/8"

Some sizes available in UNF.

BINX NUTS

DEFORMED TOP LOCKING
NUTS

STEEL, ZINC PLATED

Available Sizes

METRIC M3 to M30

UNC & UNF 3/16" to 1.1/4"



FLANGE NUTS

ZINC CHROMATE PLATED

Available Sizes

M6

M8

M10

M10 x 1.25 Fine

M12



DUNK NUTS

(HANK BUSH, ROOT NUT,
RIVET NUT)

STEEL, ZINC PLATED

Peen flange to form captive nut
in sheet metal

Available Sizes

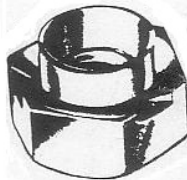
METRIC

M3, M4, M5, M6, M8, M10, M12, M16

IMPERIAL - BSW

1/8", 5/32", 3/16", 1/4", 5/16",
3/8"

Also available in Stainless Steel
in M4, M5, M6, M10 and 3/16" BSW



BRASS MANIFOLD NUTS

1/4 U.N.C.

1/4 U.N.F.

1/4 B.S.F.

5/16 U.N.C.

5/16 B.S.F.

5/16 U.N.F.

M6 x .75mm

M6 x 1.00mm

M8 x 1.00mm

M8 x 1.25mm

3/8 B.S.F.

3/8 U.N.F.

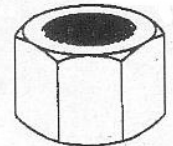
3/8 U.N.C.

M10 x 1.5mm

M10 x 1.25mm

7/16 U.N.F.

7/16 U.N.C.



THREADED ROD JOINERS

MILD STEEL, ZINC PLATED

Available Sizes

M8

M10

M12

M16



WHEEL NUTS

Steel, Zinc Plated

Available in following
sizes.

3/8" UNF

7/16" UNF

1/2" UNF

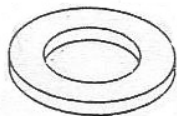
9/16" UNF

3/4" UNF

7/8" BSF



FLAT WASHERS



Available as
STEEL Zinc Plated
STEEL Self Colour
STAINLESS STEEL
BRASS Self Colour

M2.5	M16	3/8"
M3	M20	7/16"
M4	M24	1/2"
M5		9/16"
M6	1/8"	5/8"
M8	5/32"	3/4"
M10	3/16"	7/8"
M12	1/4"	1"
M14	5/16"	

Variations in O.D. available in sizes up to M12 and 5/8"

HEAVY DUTY WASHERS

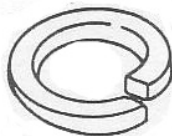


ROUND

Available in STEEL Self Colour
STEEL Galvanised

2.5mm THICK	3mm THICK	
M6	M6	M27
M8	M8	M30
M10	M10	M33
7/16"	7/16"	1.3/8"
M12	M12	M36
M16	M16	1.1/2"
3/4"	3/4"	M42
	M20	1.3/4"
	M22	M48
	M24	2"
	1"	

SPRING WASHERS



Available as
STEEL Zinc Plated
STAINLESS STEEL

M3	(1/8")	M16	(5/8")
M4	(5/32")	M20	(3/4")
M5	(3/16")	M22	(7/8")
M6		M25	(1")
1/4"	(0BA)		
M8	(5/16")		
3/8"			
M10			
7/16"			
M12			
1/2"			
9/16"			
M16	(5/8")		
M20	(3/4")		
M22	(7/8")		

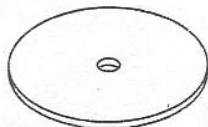
CUPWASHERS



Available as
BRASS Nickle Plated
BRASS F B Bronze
BRASS Self Colour

No 4
No 6
No 8
No 10
No 12

FENDER WASHERS

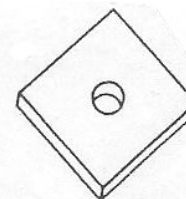


Available as
STEEL Zinc Plated
STAINLESS STEEL

M5	x 32	x 1.6
M6	x 32	x 1.6
M8	x 32	x 1.6
M10	x 32	x 1.6
M12	x 32	x 1.6

3/16	x 1.1/4	x 16g
1/4	x 1.1/4	x 16g
5/16	x 1.1/4	x 16g
3/8	x 1.1/4	x 16g
1/2	x 1.1/4	x 16g

SQUARE WASHERS



Available as
STEEL Zinc Plated
STEEL Galvanised

M10	x 40	x 3
M12	x 40	x 3
M16	x 40	x 3

M10	x 50	x 3
M12	x 50	x 3
M16	x 50	x 3
M20	x 50	x 3
M22	x 50	x 3
M24	x 50	x 3

M12	x 50	x 6
M16	x 50	x 6
M20	x 50	x 6

M16 x 60 x 6

M16	x 80	x 6
M20	x 80	x 6
M24	x 80	x 6

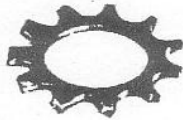
LOCKWASHERS

TOOTHED TYPE

Finish: Bright Zinc Plate

Available Sizes
(Int & External)

M3 (1/8")
M4 (5/32")
M5 (3/16")
M6
1/4"
M8 (5/16")
M10
3/8"
M12
7/16"
1/2"



Stainless Steel also available in sizes 5/32" & 3/16"

WAVEY (CRINKLE) WASHERS

Available in Stainless Steel and Beryllium Copper

Sizes

M2	5/16"
M2.5	3/8"
M3	7/16"
M3.5	1/2"
M4	3/4"
M5	
M8	



2BA
4BA
6BA
8BA

LOCK WASHERS

OVERLAPPING TOOTH TYPE

Finish: Bright Zinc or Black

Available Sizes
(Int & External)

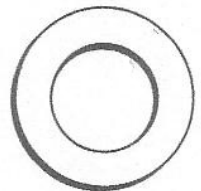
M3 (1/8")	3/4"
M4 (5/32")	7/8"
M5 (3/16")	1"
M6	1"
1/4"	1.1/8"
M8 (5/16")	
M10	
3/8"	
M13 (1/2")	
M14 (9/16")	
M16 (5/8")	
M20	



Countersunk avail in some sizes.

SPACING WASHERS - STEEL (.028")

1/4	x .9/16
5/16	x .11/16
3/8	x .3/4
7/16	x .13/16
1/2	x .7/8
9/16	x .15/16
5/8	x .1"
11/16	x .1-1/16
3/4	x .1-1/8
13/16	x .1-3/16
7/8	x .1-1/4
15/16	x .1-3/8
1"	x .1-1/2
1-1/8	x .1-3/4

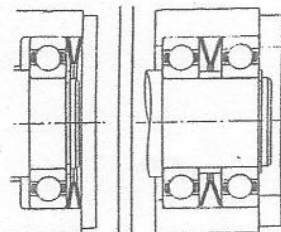
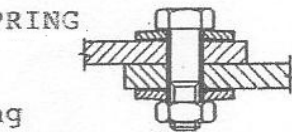


BELLEVILLE/DISC SPRING WASHERS

Conical Type Spring Washers for use in the Electrical Industry and for the Retention of Roller Bearings Available in Steel, Oil and Phosphate and Zinc Plated and Stainless Steel.

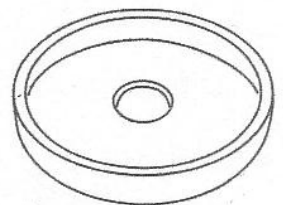
DISC SPRING TYPE
2.2mm ID to 102mm

BELLEVILLE TYPE
3.2mm ID to 64mm



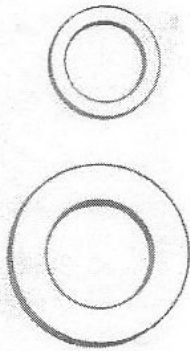
LEATHER PUMP WASHERS

3/4
7/8
1"
1-1/8
1-3/16
1-1/4
1-3/8
1-7/16
1-1/2
1-5/8
1-3/4

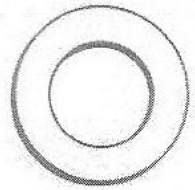


COPPER WASHERS 20 G

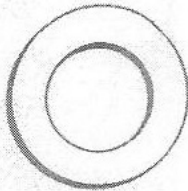
1/4 x 9/16
 5/16 x 5/8
 3/8 x 3/4
 7/16 x 13/16
 1/2 x 7/8
 9/16 x 15/16
 5/8 x 1"
 11/16 x 1-1/16
 3/4 x 1-1/8
 13/16 x 1-3/16
 7/8 x 1-3/8
 1" x 1-1/2

**POLYPROPYLENE WASHERS 1/32**

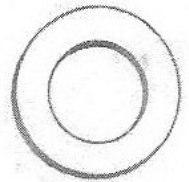
1/8 x 5/16
 5/32 x 3/8
 3/16 x 1/2
 7/32 x 1/2
 1/4 x 9/16
 5/16 x 5/8
 3/8 x 3/4
 7/16 x 13/16
 1/2 x 7/8
 9/16 x 15/16
 5/8 x 1"
 11/16 x 1-1/16
 3/4 x 1-1/8
 13/16 x 1-3/16
 7/8 x 1-3/8
 1" x 1-1/2

**ALUMINIUM WASHERS -1/16" THICK**

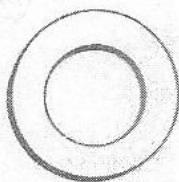
1/4" x 1/2"
 5/16" x 9/16"
 3/8" x 5/8"
 7/16" x 3/4"
 1/2" x 7/8"
 9/16" x 15/16"
 5/8" x 1"
 3/4" x 1-1/8"
 7/8" x 1-1/4"
 1" x 1-3/8"
 5mm x 10mm
 6mm x 12mm
 10mm x 20mm
 12mm x 22mm
 20mm x 30mm

**DRAIN PLUG WASHERS (POLYPROPYLENE)**

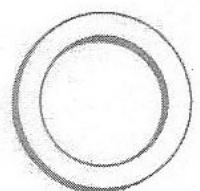
1/2 x 3/4
 5/8 x 7/8
 3/4 x 1-1/8
 13/16 x 1-3/16
 7/8 x 1-1/4
 1" x 1-3/8
 18 x 27mm
 30 x 38mm
 14 x 20mm
 SUITS No 1 O/S PLUG

**WASHERS - SUMP PLUG - ALUMINIUM**

12 x 22 x 2.5mm
 14 x 24 x 2.5mm
 16 x 24 x 2.5mm
 18 x 28 x 2.5mm
 20 x 30 x 2.5mm
 22 x 32 x 2.5mm
 24 x 34 x 2.5mm
 1/2 x 7/8 x 3/32 imp

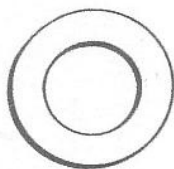
**CARBURETTOR WASHERS - FIBRE - 1/16**

5/32 x 5/16
 3/16 x 3/8
 7/32 x 7/16
 1/4 x 7/16
 5/16 x 1/2
 3/8 x 5/8
 7/16 x 11/16
 1/2 x 3/4
 9/16 x 13/16
 5/8 x 7/8
 11/16 x 15/16
 3/4 x 1"



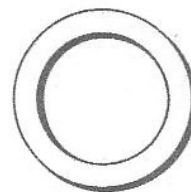
SHIM STEEL WASHERS .006"

3/16 x 1/2
1/4 x 9/16
5/16 x 11/16
3/8 x 3/4
7/16 x 13/16
1/2 x 7/8
9/16 x 15/16
5/8 x 1
5/8 x 1.1/8
11/16 x 1.1/16
11/16 x 1.1/8
3/4 x 1.1/16
3/4 x 1.1/8
3/4 x 1.3/8
3/4 x 1.7/16
3/4 x 1.5/8
25/32 x 1.1/4
25/32 x 1.5/16
13/16 x 1.3/16
13/16 x 1.7/16
27/32 x 1.5/16
7/8 x 1.1/4
7/8 x 1.7/16
7/8 x 1.9/16
7/8 x 1.5/8
29/32 x 1.1/2
15/16 x 1.3/8
15/16 x 1.5/8
15/16 x 1.3/4
1 x 1.1/2
1 x 2
1.1/32 x 1.5/8
1.1/8 x 1.5/8
1.1/8 x 1.13/16
1.9/64 x 1.27/32
1.3/8 x 1.3/4



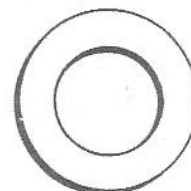
3/32 FIBRE DRAIN PLUG WASHERS

1/2 x 3/4
5/8 x 7/8
3/4 x 1-1/8
13/16 x 1-1/16
7/8 x 1-1/4
1" x 1-3/8
18 x 27 mm
30 x 38 mm
14 x 20 mm
Suits No 1 O/S Plug



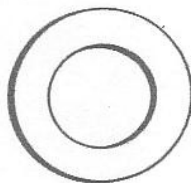
FIBRE WASHERS - 1/32 THICK

1/8 x 5/16
3/16 x 1/2
1/4 x 9/16
5/16 x 5/8
3/8 x 3/4
7/16 x 13/16
1/2 x 7/8
9/16 x 15/16
5/8 x 1"
11/16 x 1-1/16
3/4 x 1-1/8
13/16 x 1-3/16
7/8 x 1-3/8
1" x 1-1/2



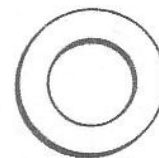
NYLON DRAIN PLUG WASHERS

12 x 20mm
14 x 22mm
16 x 24mm
18 x 28mm
25 x 35mm
1/2 x 3/4"
0.530" x 3/4"
5/8 x 15/16"
11/16 x 1"
3/4 x 1-1/8"
13/16 x 1-3/16"

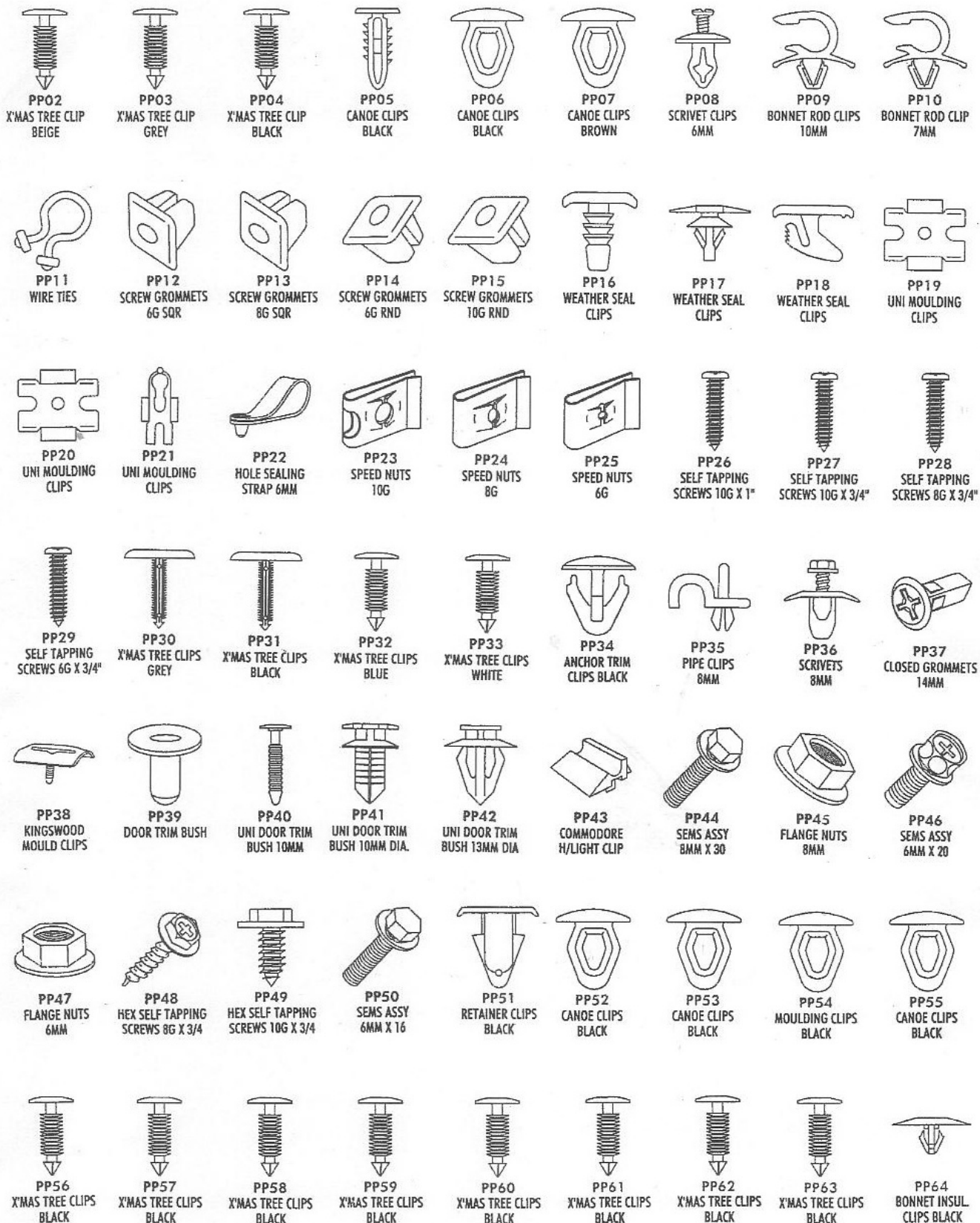


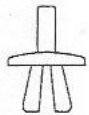
COPPER WASHERS - METRIC - 1mm THICK

5 x 10mm
6 x 12.5mm
8 x 16mm
10 x 20mm
12 x 22mm
14 x 24mm
16 x 25mm
20 x 30mm
22 x 35mm
24 x 38mm

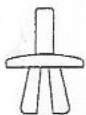


specialised trim clips, fasteners and fittings to service automotive panels and trims. All packaged in reusable clam shells





PP65
PLASTIC PUSH
RIVETS



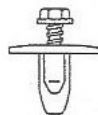
PP66
PLASTIC PUSH
RIVETS



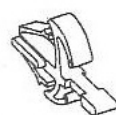
PP67
SCRIVET
6MM HOLE



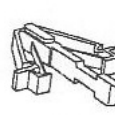
PP68
SCRIVET
8MM HOLE



PP69
SPASH GUARD
CLIPS



PP70
GRILLE CLIPS
HOLDEN



PP71
GRILLE CLIPS
TOYOTA



PP72
HEADLAMP BOLT
M5 X 20



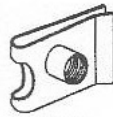
PP73
HEADLAMP CAPTIVE
NUTS M5 X 0.8



PP74
SHORT CAPTIVE
NUTS M6 X 1.00



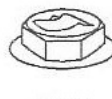
PP75
LONG CAPTIVE
NUTS M6 X 1.00



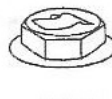
PP76
SHORT CAPTIVE
NUTS M8 X 1.25



PP77
LONG CAPTIVE
NUTS M8 X 1.25



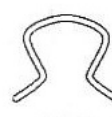
PP78
1/8 SELF CUTTING
NUTS



PP79
3/16 SELF CUTTING
NUTS



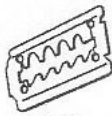
PP80
BADGE CLIPS



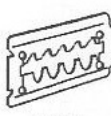
PP81
WINDOW WINDER
CLIPS



PP82
MOULDING CLIPS
METAL



PP83
RAZOR BLADE
CLIPS



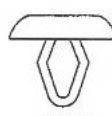
PP84
RAZOR BLADE
CLIPS



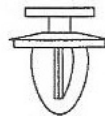
PP85
CLOSED END
GROMMET 8G



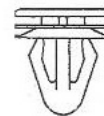
PP86
PLASTIC PUSH
RIVET



PP87
CANOE CLIPS
NATURAL



PP88
MOULDING CLIP
ASSEMBLY



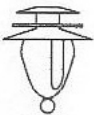
PP89
BUMPER CLIPS



PP90
DOOR TRIM CLIPS
METAL



PP91
DOOR TRIM CLIPS



PP92
DOOR TRIM CLIPS



PP93
RETAINER CLIPS



PP94
UNIVERSAL
TONNEAU HOOKS



PP95
GMH TONNEAU
HOOKS



PP96
FORD
TONNEAU HOOK



PP97
ROPE HOOK

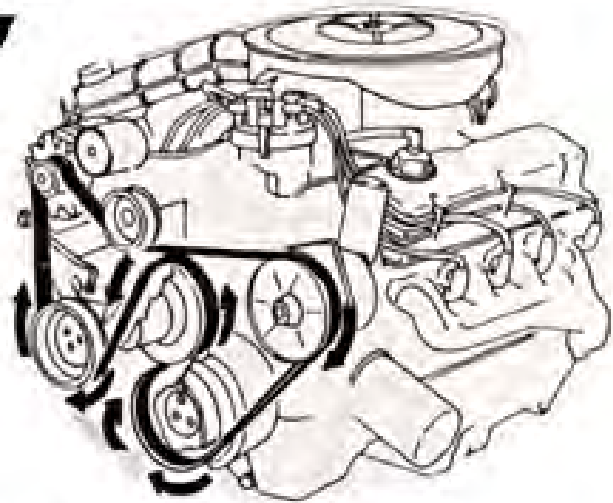


PP98
TONNEAU CORD



PP99
HOLE MOUNTED
CABLE TIE

DAYCO AUTOMOTIVE BELTS



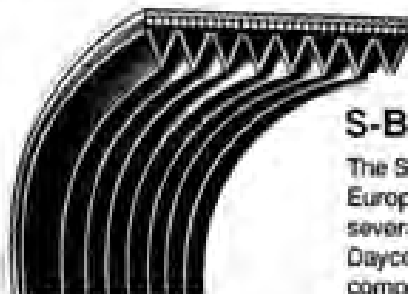
Die-Cut, Raw-Edge® Laminated Belt

For years original equipment manufacturers have been specifying Dayco, raw edge laminated V-Belts. Now V-Belts have added life due to the new Top Cog® Belt Design.



SYNCHRO-COG® Timing Belt

Used on overhead camshaft type engines manufactured with a tough wear resistant fabric with cog surface. Meets OEM specifications with high tensile strength cord and has high resistance to oil and engine heat. Drives using this type of belt are found on many Australian and imported small cars. A timing belt runs quieter and is more economical than a gear or chain type drive.



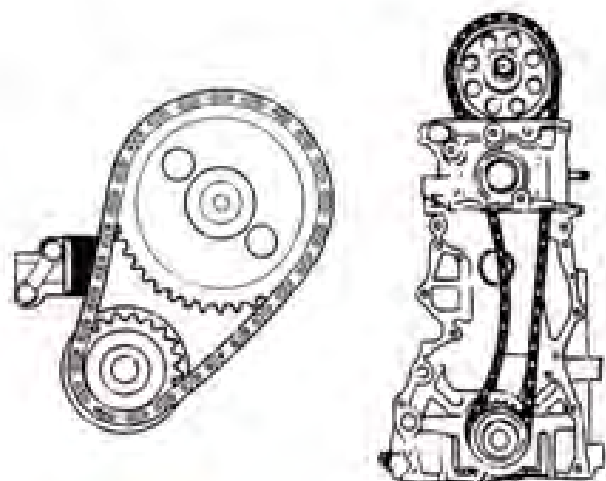
S-Belt® Poly-Rib Type

The S-Belt® is a single multi-ribbed belt used on several Asian, Australian, European and North and South American models. This belt is aligned over several pulleys and does the job of up to 3 belts. The S-Belt®, developed by Dayco, drives the alternator, air pump, water pump, cooling fan, air conditioner compressor, and power steering pump.

Timing Chains

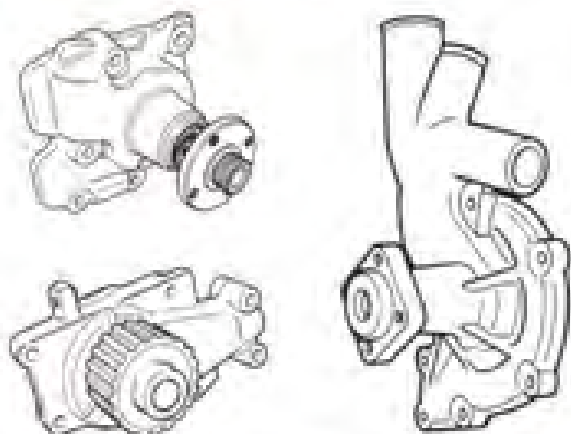
Quality DID roller chain cut to length and supplied with joining link to suit any vehicle.

3/8" and 1/2 pitch available in Simplex or Duplex (Single or Double strand)



GMB

Quality Giant Water Pumps for
A wide range of vehicles



PROTEX

Brake Hoses and Fittings



Coil Springs
Polyurethane Bushes for
Most Suspension Systems



BAILCAST

Dura
BOOT



Stretchable CV Boots & Steering Rack
Boots eliminate removal of the joints.
Air operated Duragun expansion Tool



BRAKPLUS

QS9000 &
ISO14001
System Certified



Brakplus for standard vehicles
Remsa for performance vehicles



C V Joints, C V Boots, Steering Rack
Boots custom made for a wide range
of vehicles.



TRIDON ▶

OXYGEN SENSORS

ENGINE COOLANT

TEMPERATURE SENSORS



TRIDON ▶



-  Oil Pressure Switches
-  Oil Pressure Sensors
-  Water Temperature Switches
-  Reversing Light Switches
-  Brake Light Switches
-  Thermo Fan Switches

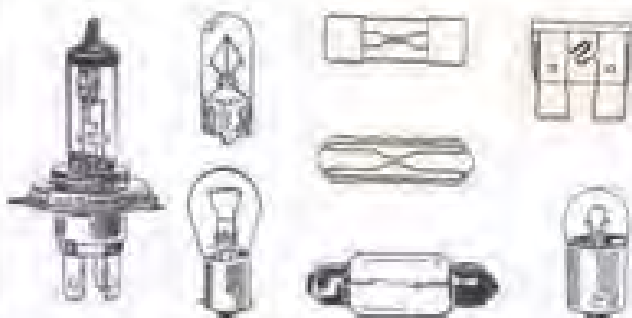
NARVA

AUTO BULBS

All Types

FUSES

Blade, Ceramic and Glass, 3 Amp to 50 Amp



TRIDON ▶

COOLING SYSTEMS PRODUCTS

Thermostats

Gaskets

Radiator Caps

Fan Switches

Oil Filler Caps

Fuel Caps



NARVA

CRIMP TERMINALS

Spade Terminals, Push-on Connectors,
Male and Female Bullets,
Cable Connectors



NARVA

**Switches, Relays & Flashers,
Trailer Connectors, Cables**



BOSCH

Spark Plugs
Glow Plugs



BOSCH

Coils, Condensers, Rotors, Point Sets,
Distributor Caps



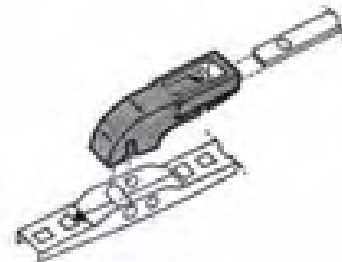
BOSCH

Ignition Leads
Ignition Lead Sets



BOSCH

Wiper Blades and Wiper Arms
All sizes for all vehicles.





TROJAN

QUALITY TRAILER COMPONENTS

www.trojan.co.nz

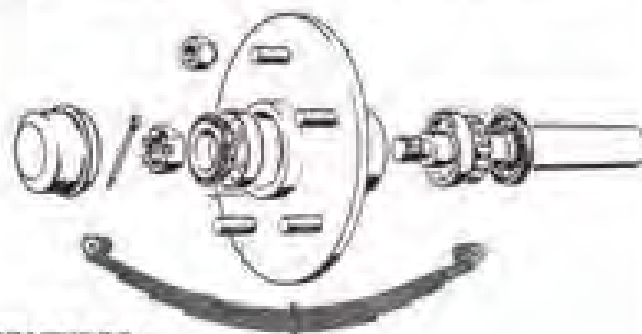
COUPLINGS AND TOWBALLS

Tow Balls in Zinc Plate & Chrome finish
Diameters 1 7/8" & 50mm.
Couplings in Cast & Pressed Steel



HUBS, STUBS & SPRINGS

Capacity Rating 1000kg to 2500kg



FEATURES:

- * Taper Roller Bearings
- * Two Piece Marine Seal
- * Optional Corrosion Protected Hubs
- * 200mm, 250mm or Flanged Stub Axles
- * Corrosion Protected Studs & Nuts

AXLE & SPRING FITTINGS

Trailer Drop Locks, Safety Chains,
Dee Shackles, U Bolts & Plates etc



WHEELS, FENDERS & JOCKEY WHEELS

JOCKEY WHEELS

For Boat Trailers and
Caravans. Solid Rubber
& Pneumatic Tyres.
Clamp-on & Weld-on.





Top quality gauges for competition use



Automotive Accessories

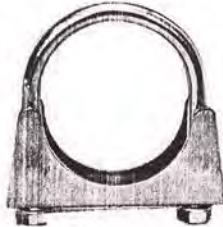


EXHAUST CLAMPS

Steel, Zinc Plated

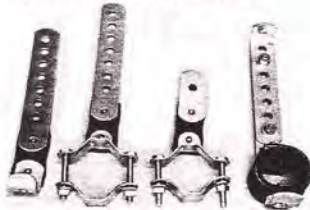
Size Range

1.1/8" to 5.1/8"
(28mm to 130mm)



UNIVERSAL TAIL PIPE HANGERS

Steel, Zinc Plated



Driving Lamps

Trailer Lamps





HeatGuard Maintenance Free

When it's gotta go first go!

New Zealand made Batteries for Cars, Trucks, Boats, Tractors and Motor Cycles.
'Low Loss' (Deep Cycle) Batteries for Electric Fences.

We TEST, EXCHANGE,
CHARGE and REPAIR
Batteries



BATTERY BOXES

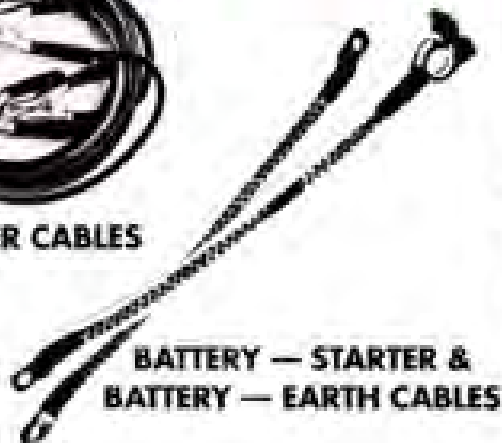
Two sizes ex-Stock.
Robust Plastic construction,
Mounting Strap and Brackets
included.

Small....11" x 7.1/2" x 10" High

Large....13" x 7.1/2" x 10" High



BOOSTER CABLES



**BATTERY — STARTER &
BATTERY — EARTH CABLES**

BATTERY TERMINALS



**BATTERY CHARGERS
6 & 12 VOLT**

**POWER PACKS
(JUMP STARTERS)**



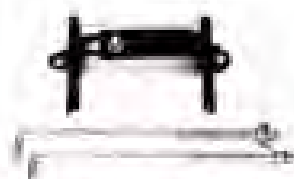
**NON-CORRODE BATTERY
FELTS**



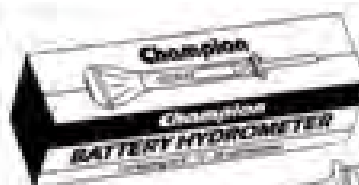
BATTERY BARS



BATTERY HOOKS



**BATTERY HOLD-DOWN
SET**



BATTERY HYDROMETERS

RK

TAKASAGO CHAIN



TOP QUALITY MOTORCYCLE CHAINS cut to length in STANDARD, HEAVY DUTY O'RING, HEAVY DUTY O'RING, CLIP LINK, RIVET LINK and SPECIAL RACING GRADES including MOTORCROSS and ROAD RACING.

RK CHAIN is supplied as original equipment to HONDA, SUZUKI, YAMAHA, and KAWASAKI in Japan and TRIUMPH in the United Kingdom.



KEEPS WATER AND DIRT OUT OF WHEEL HUBS... PREVENTS WHEEL BEARING FAILURE

WHY HUBMATE IS NEEDED

When backed into the water, boat trailer hubs, heated by travel, are suddenly cooled. Air inside contracts and the vacuum sucks water and dirt through the inner seals, bearing corrosion sets in quickly. HUBMATES spring loaded piston maintains a slight pressure differential, preventing the water from entering the hub.

BLISTER PACKED IN PAIRS

Also available off the shelf:

Bearing Buddy®



The original 'BEARING BUDDY'

Part No B1781.....for Hub diameter 45mm (1.781")

Part No B1980.....for Hub diameter 50mm (1.980")

Part No B2047.....for Hub diameter 52mm (2.047")

LINEA AUTO CENTRE

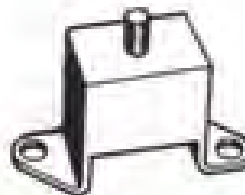
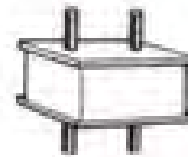
FRONT ALIGNMENT SHIMS

1/32 Suit Ford
1/16 Suit Ford
1/8 Suit Ford
1/32 Suit GM
1/16 Suit GM
1/8 Suit GM
1/32 Suit HK/HT Hold
1/16 Suit HK/HT Hold
1/8 Suit HK/HT Hold
1/32 Suit HQ Holden
1/16 Suit HQ Holden
1/8 Suit HQ Holden



RUBBER & URETHANE AUTOMOTIVE PRODUCTS

Automotive Exhaust Mounts



KYB
SHOCK ABSORBERS

KONI

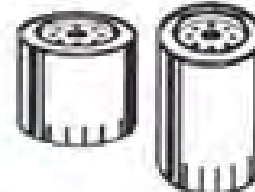


Koni and KYB brand shock absorbers
to suit most vehicles



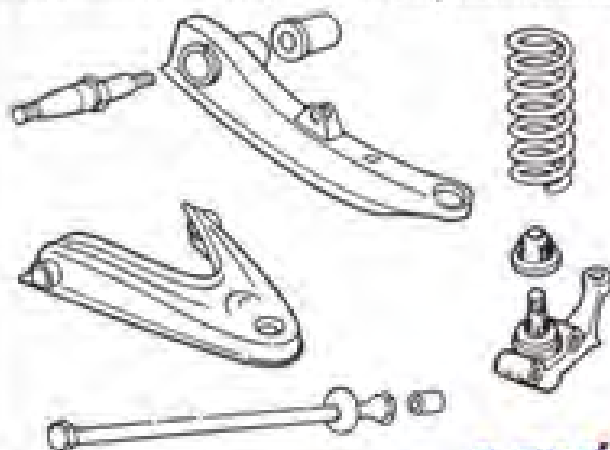
RYCO
FILTERS

Air, Oil and Fuel Filters



STEERING AND SUSPENSION COMPONENTS

Tie Rod Ends, Ball Joints and Boots, Rack Ends,
Suspension Arms, Polyurethane Suspension Bushes



A Range of washable Air Filters
and Pod Filters to Suit Competition Cars

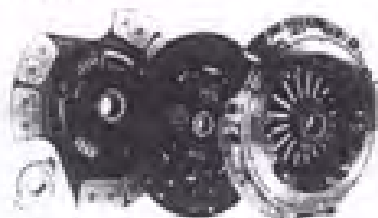


LIN'S AUTO CENTRE



CLUTCHES

Clutch Covers
Clutch Plates
Clutch Release Bearings
Clutch Kits



DISC ROTORS

For most vehicles



BRAKE AND CLUTCH

Master and Slave Cylinders

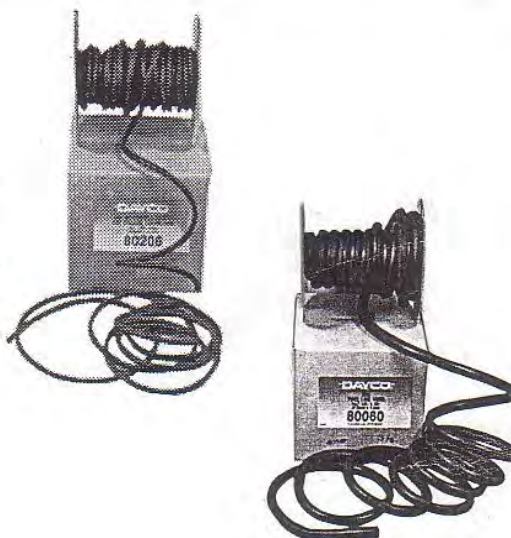


Fuel Line Hose Fuel Injection Hose

For use on all types of Gasoline Engines. Excellent resistance to Oil, Gasoline, Grease and Weather. All Synthetic Rubber Construction reinforced with a single ply of braided cord with Hypalon cover. For use with Leaded and Unleaded Gasoline Gasohol and Diesel Fuels.

Available Sizes:

3/16"	I.D.	(5mm)
1/4"	I.D.	(6mm)
5/16"	I.D.	(8mm)
3/8"	I.D.	(10mm)



Windshield Washer/Vacuum Tubing

Long life rubber tubing to resist Oil, Grease and Heat Deterioration at low temperatures.

Available Sizes:

7/64"	I.D.	
5/32"	I.D.	(4mm)
7/32"	I.D.	
1/4"	I.D.	(6mm)



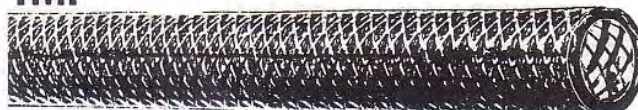
Vinyl Tubing



Meets the Australian Standard AS2070. It features crystal clarity, flexibility and mirror-smooth bore for low friction. Suitable for food and mechanical drainage as well as low pressure general purpose delivery.

Size - 3 mm to 50 mm (I.D.)

TMP



For virtually all clear hose applications. Has petrol resistant tube. Is ideal for use as a solvent line in general industry and as a fuel line in the automotive industry.

Size - 6 mm to 25 mm (I.D.)

GST Air & General Purpose Hose



Series 7193

BLACK COVER

Tube: Black EPDM

Cover: Black, EPDM

Reinforcement: Multiple textile plies

Temp. Range: -40°F to +200°F

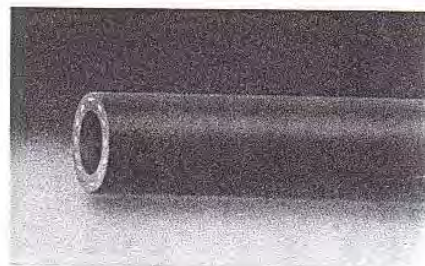
Economical and versatile general purpose hose. Excellent for air and water service as well as many agricultural chemicals including LASSO® herbicide. EPDM tube and cover resists heat, sunlight, ozone and weathering.

I.D.	O.D.	PSI	I.D.	O.D.	PSI
1/4"	1/2"	250	1.1/4"	1.25/32"	150
5/16"	19/32"	250	1.1/2"	2.1/32"	150
3/8"	21/32"	200			
1/2"	13/16"	200			
5/8"	31/32"	200			
3/4"	1.5/32"	250			
3/4"	1.3/16"	300			
1"	1.13/32"	150			
1"	1.13/32"	200			
1"	1.1/2"	300			

Standard Heater Hose

Available in the following Internal Diameters

3/8"
1/2"
5/8"
3/4"

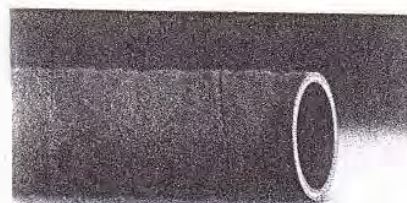


Fuel Filler Hose

Connects vehicle filler neck to fuel tank on passenger cars, light trucks, boats, as well as auxiliary fuel tanks on RV's. Handles leaded and unleaded gasoline, diesel fuel and gasohol. Rugged double reinforced construction helps prevent collapses. Meets SAE J30, R7, and SAE J1527, Type B2.

Available in the following Internal Diameters

3/4" 2"
1.1/2" 2.1/2"
1.3/4" 3"
1"
1.1/4"



Emission Control Carburetor Pre-Heater Duct Hose

Heavy duty, flexible, corrugated construction with a aluminum core. Original equipment on most cars and trucks since 1969. Close inside diameter tolerance gives a snug fit. Cut to length with a sharp knife. Connects air cleaner to exhaust manifold. Reduces carburetor icing.

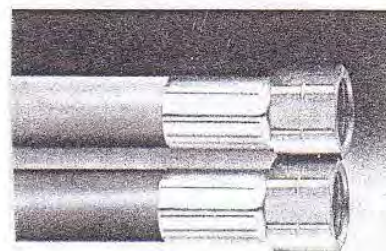
Part No.	Dimensions	Part No.	Dimensions
80096	1-1/2" I.D. x 12"	80102	2" I.D. x 12"
80097	1-1/2" I.D. x 18"	80103	2" I.D. x 18"
80098	1-1/2" I.D. x 36"	80104	2" I.D. x 36"
80099	1-3/4" I.D. x 12"	80105	25mm I.D. x 36"
80101	1-3/4" I.D. x 36"	80106	50mm I.D. x 21"



Twin Welding Hose

WARNING! Red fuel gas line for use with acetylene ONLY! Do not use with any other fuel gases. Use grade T welding hose with most current fuel gases, including acetylene and propane.

Grade RM welding hose meets or exceeds RMA and CGA requirements. The oil and flame resistant neoprene cover and flexible textile plies of reinforcement provide excellent service in multiple welding applications. Individually boxed lengths have permanent brass B & B couplings on each end. Also available in Grade R and Grade T constructions. Contact Dayco for specific product recommendations.



Flex Radiator Hose

Precision moulded Rubber (EPDM), reinforced with Knit Ply and Steel Coil to prevent splitting, elongation, ballooning and collapse.

I.D.	LENGTH	I.D.	LENGTH	I.D.	LENGTH
1.1/4"	11"	1.1/2"	10"	1.3/4"	13"
1.1/4"	14"	1.1/2"	13"	1.3/4"	16"
1.1/4"	19"	1.1/2"	15"	1.3/4"	18"
1.1/4"	20"	1.1/2"	17"	1.3/4"	23"
		1.1/2"	19"		
		1.1/2"	22"		



Straight Radiator Hose

Covers a wide range of passenger car and light truck applications. All synthetic rubber construction reinforced with a ply of rayon knit cord. Meets performance requirements of SAE J20e, Type 20R4, Class D-2 requirements.

Available in the following Internal Diameters

3/4"	1.1/2"	2.1/4"
7/8"	1.5/8"	2.3/8"
1"	1.3/4"	2.1/2"
1.1/8"	1.7/8"	2.5/8"
1.1/4"	2"	2.3/4"
1.3/8"	2.1/8"	3"



Molded Curved Radiator Hose

Designed to replace OEM hose. Knitted reinforcement and all synthetic rubber (EPDM) construction gives high strength and resistance to heat and all recommended coolants. Hose for lower connection (suction) applications has a steel coil spring insert to prevent collapse. Meets performance requirements of SAE J20e, Type 20R4, Class D-2 requirements. Heavy duty truck curved hose is Class D-1. Plastic T-strap installed in one end of hose for easy hang up.

3,500 sizes available

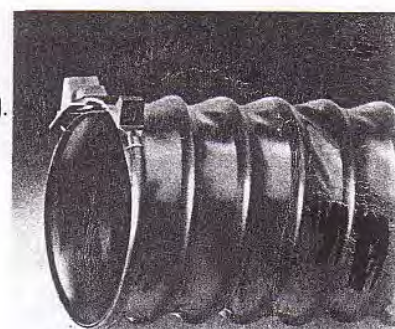


Air Intake Hose

Transports outside air directly to the air cleaner for more efficient engine operation. Worn hose can cause engine to idle improperly increasing fuel usage and reducing engine efficiency. Flexible, won't stiffen at -40°F (-40°C). Withstands constant heat of 250°F (+121°C), intermittent 300°F (+149°C). Meets SAE J2002BA810C12F17Z requirements with a flame spread well within the limits of FMVSS302. EPDM, wire-reinforced.

Available in the following Internal Diameters

32mm	80mm	200mm
40mm	90mm	
50mm	100mm	
65mm	125mm	
75mm	150mm	



Silicone Radiator Hose

The tough reinforced silicone rubber compound resists hardening and cracking, weather and chemicals while giving six times longer life than ordinary coolant hose. Available in 3 ft. lengths. Meets the requirements of SAE J20e, Type 20R1, Class A, standard wall construction.

See page 32 for special silicone clamps.

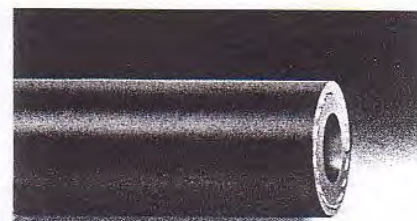
Part No.	I.D.	Part No.	I.D.	Part No.	I.D.
78100GL	1"	78175GL	1-3/4"	78300GL	3"
78113GL	1-1/8"	78200GL	2"	78325GL	3-1/4"
78125GL	1-1/4"	78225GL	2-1/4"	78350GL	3-1/2"
78138GL	1-3/8"	78238GL	2-3/8"	78375GL	3-3/4"
78150GL	1-1/2"	78250GL	2-1/2"	78400GL	4"
78163GL	1-5/8"	78275GL	2-3/4"		



Transmission Oil Cooler/ Power Steering Return Line Hose

Tube and cover designed to handle transmission oil at temperatures up to +257°F (+125°C). It will resist oil, ozone and heat aging.

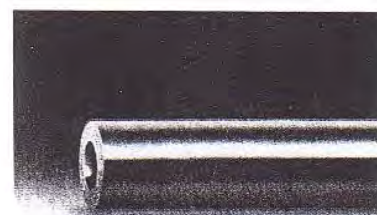
Part No.	Braid	I.D.	Length	Working Pressure
80383	1	5/16"	25'	250
80384	1	5/16"	50'	250
80387	1	11/32"	25'	250
80388	1	11/32"	50'	250
80391	1	3/8"	25'	250
80392	1	3/8"	50'	250



Air Brake Hose

For use on truck and bus compressed air brake systems. High quality smooth rubber cover and 4-spiral reinforcement. 900 pounds minimum burst pressure. Can be used with standard air brake replaceable couplings. Manufactured to SAE J1402 and D.O.T. MVSS106 requirements.

Part No.	I.D.	Length
80372	3/8"	50'
80373	3/8"	250'
80374	3/8"	500'
80376	1/2"	50'
80377	1/2"	250'



Fuel and Brake Tubing

**Bundy Tubing in Steel and Copper/Nickel Plated,
Copper Tubing in Rolls or sold by the metre.
Available in Outside Diameter Sizes 1/8", 3/16", 1/4"
5/16", 3/8".**



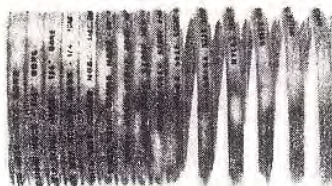
Industrial Pressure Hoses.

WE CARRY A RANGE OF HOSES SUITABLE FOR WORKSHOP USE.

Airline Hose
Water/Washdown Hose
Steam Hose
Vacuum Hose
Fuel Hose
Oil & Grease Hose

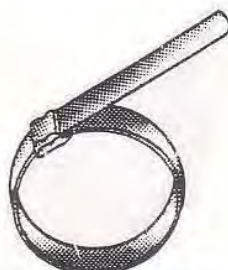


DAYCO



SELF-STORE HOSE

Oil, Heat, Chemical resistant. Lightweight Nylon, Extends to 1/30th of its working length. Yellow. 6/10/12.5mm Dia.



BANDIT CLAMPS

Stainless Steel & Galvanised. Size range 5 - 34mm



MICKALOR CLAMPS

Size range 16 - 121mm



AIRLINE TAIL FITTINGS & CONNECTORS

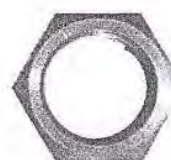
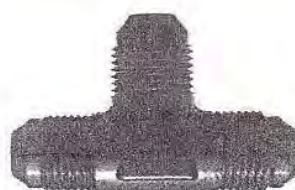
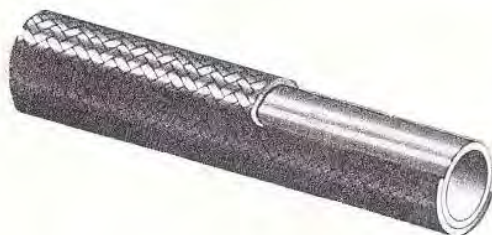
Goss Hose & Tube Connectors

High Impact Nylon, Fuel and Chemical resistant. Straight, 'Y', 'T', 'X', 'F', Elbow, Four & Five Way, Restrictors Connectors and Blanking Caps.



EARL'S
PERFORMANCE PLUMBING

STAINLESS STEEL BRAIDED HOSES, OIL COOLERS, ALLUMINIUM HOSE FITTINGS FOR PERFORMANCE CARS



LIN'S AUTO CENTRE

DAYCO HOSE CLAMPS

Fits Hose O.D.				Popular Applications	MM Clamp Diameter		Inch Clamp Diameter		Dayco Part No.
From		To			Min.	Max.	Min.	Max.	
MM	INCH	MM	INCH						
9.0	3/8"	13.0	1/2"	Dayco Miniature Clamp Air Hose, Air-Line Hose, Fuel Lines	6	16	7/32"	5/8"	92004
9.0	3/8"	13.0	1/2"		11	20	7/16"	25/32"	92006
9.0	3/8"	16.0	5/8"		13	23	1/2"	29/32"	92008
9.0	3/8"	16.0	5/8"	Heater Hose	14	27	9/16"	1 1/16"	92010
16.0	5/8"	19.0	3/4"	Heater and Air Brake Hose	17	32	1 1/16"	1 1/4"	92012
19.0	3/4"	25.0	1"	Vacuum Hose	21	38	1 3/16"	1 1/2"	92016
25.0	1"	32.0	1 1/4"	Vacuum & Booster Brake Hose	21	44	1 3/16"	1 3/4"	92020
32.0	1 1/4"	38.0	1 1/2"	Car Radiator Hose Larger Size Radiator Hose Truck Radiator & Gas Tank Hose	27	51	1 1/16"	2"	92024
32.0	1 1/4"	44.0	1 3/4"		33	57	1 5/16"	2 1/4"	92028
38.0	1 1/2"	51.0	2"		40	64	1 9/16"	2 1/2"	92032
44.0	1 3/4"	57.0	2 1/4"	Truck & Tractor	46	70	1 13/16"	2 3/4"	92036
51.0	2"	64.0	2 1/2"		52	76	2 1/16"	3"	92040
57.0	2 1/4"	70.0	2 3/4"		59	83	2 3/16"	3 1/4"	92044
64.0	2 1/2"	76.0	3"	Air Vent Hose	65	89	2 9/16"	3 1/2"	92048
77.0	3"	83.0	3 1/4"		71	95	2 13/16"	3 3/4"	92052
83.0	3 1/4"	89.0	3 1/2"		78	102	3 1/16"	4"	92056
83.0	3 1/4"	89.0	3 1/2"	Air Vent Hose	84	108	3 3/16"	4 1/4"	92060
89.0	3 1/2"	102.0	4"		90	114	3 9/16"	4 1/2"	92064
					105	127	4 1/8"	5"	92072
<ul style="list-style-type: none">• Heavy gauge band of stainless steel• Patented one-piece housing of stainless steel• Patented contour serrations					117	140	4 3/8"	5 1/2"	92080
					130	152	5 1/8"	6"	92088
					127	165	5"	6 1/2"	92096
					156	178	6 1/8"	7"	92104
					143	216	5 5/8"	8 1/2"	—
					181	254	7 1/8"	10"	—
					238	311	9 3/8"	12 1/4"	—

- Heavy gauge band of stainless steel
- Patented one-piece housing of stainless steel
- Patented contour serrations

Series 920
all stainless — stainless
hex-head slotted screw



NORMA

Pipe Retaining Clips SL Series Fuel Hose Clips

SIZES AVAILABLE:

PART No.	Width	Clamp Range
NRSKU 4/15	15mm	4mm
NRSKU 6/15	15mm	6mm - 1/4"
NRSKU 9/15	15mm	9mm
NRSKU 10/15	15mm	10mm - 3/8"
NRSKU 12/15	15mm	12mm
NRSKU 13/15	15mm	13mm - 1/2"
NRSKU 15/15	15mm	15mm
NRSKU 16/15	15mm	16mm - 5/8"
NRSKU 18/15	15mm	18mm
NRSKU 20/15	15mm	20mm - 3/4"
NRSKU 22/15	15mm	22mm
NRSKU 25/15	15mm	25mm - 1"



SIZES AVAILABLE:

PART No.	Width	Clamp Range
NSL 7-9/9W1	9mm	6.8 - 9.1mm
NSL 9-11/9W1	9mm	8.7 - 11.1mm
NSL 11-13/9W1	9mm	10.7 - 13.2mm
NSL 13-15/9W1	9mm	12.6 - 15.2mm
NSL 15-17/9W1	9mm	14.6 - 17.2mm



MIKALOR SUPER CLAMPS

Mild Steel

Size Range: 14mm - 252mm
in 33 sizes.

Stainless Steel

Size Range: 14mm - 130mm
in 26 sizes.



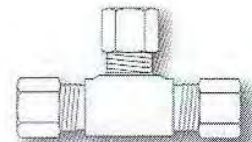
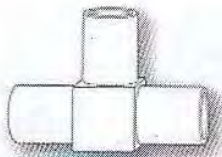
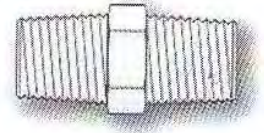
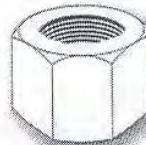
LIN'S AUTO CENTRE



TITON BRASS FITTINGS

Made from High Quality DZR grade brass alloy
conforming to AS D26, AS3688, AG 601-1995,
NZG1993/76

Pipe Fittings
NPT Pipe Fittings
Airline Fittings
Lever Taps and Cocks
Flares
Compression Fittings
Airbrake Fittings
Needle Valves
Grease Gun Fittings





THREAD LOCKER

243

SUPER NUT LOCK

Correct strength for locking nuts under most operating conditions.
Prevents loosening due to vibration or shock loading.
Seals threads against leakage of fluids or gases.
Seals threads against corrosion in aggressive chemical or marine environments.
Use to prevent or remedy backlash in keys or splines.
When required, use Primer 7471.
Temp. range -55°C to +150°C.

**LOCTITE**

THREAD LOCKER

262

SUPER STUD LOCK

Heavy duty product for studs and for threadlocking in severe operating conditions.
Prevents loosening due to vibration or shock loading.
Seals threads against leakage of fluids or gases.
Seals threads against corrosion in aggressive chemical or marine environments.
When required, use Primer 7649.
Temp. range -55°C to +150°C.

**LOCTITE**

THREAD LOCKER

290

SUPER WICK-IN

Designed for post assembly applications.
Seals against leakage and corrosion.
Ideal for adjustment screws.
Low viscosity allows sealing of porous welds and casting porosity.
When required, use Primer 7649.
Temp. range -55°C to +150°C.

**LOCTITE**

INSTANT ADHESIVE

401

ULTRA FAST

- Rapid bonding of metal, plastic, rubber, cork, wood, paper, leather, fabric, etc..
- Unique chemistry ensures rapid cure - even on difficult to bond substrates.
- Low viscosity assists application and dispensing.
- Temp. range -55°C to +80°C.

**LOCTITE**

INSTANT ADHESIVE

454

INSTANT ADHESIVE GEL

- Rapid bonding of metal, plastic, rubber, cork, wood, paper, leather, fabric, etc..
- Unique chemistry ensures rapid cure - even on difficult to bond substrates.
- Superior gap filling ability.
- No run, no drip - even on vertical surfaces.
- Temp. range -55°C to +80°C.

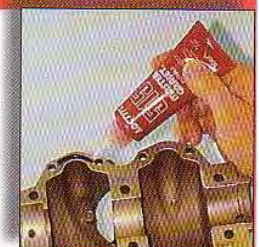
**LOCTITE**

FLANGE SEALANT

515

MASTER GASKET®

AGA Approved N°2590 up to 690kPa (100psi).
Best grade to seal machined metal flanges.
Seals all potential leak paths caused by machining, minor distortion and damage.
Eliminates gasket compression set problems and the need to retighten.
Semi-flexible to absorb load flexing of assemblies.
Adds structural strength by eliminating soft gaskets.
When required, use Primer 7649.
Sensor safe. Temp. range -55°C to +150°C.

**LOCTITE**



FLANGE SEALANT

518

MASTER GASKET®

May be used to coat existing gaskets. Sensor safe. Excellent wetting characteristics. Will accommodate small variations in differential expansion.

Ideal for crankcases on motorcycles, outboards, chainsaws, etc..

Unitises assemblies such as crankcases & gearboxes to maintain perfect alignment of gears and shafts, etc. When required, use Primer 7649.

Temp. range -55°C to +150°C.



LOCTITE



THREAD SEALANT

567

MASTER PIPE SEALANT

Instant sealing grade containing PTFE.

Seals and locks threaded fittings against the effects of vibration, shock and thermal cycling.

Prevents thread corrosion and thread galling.

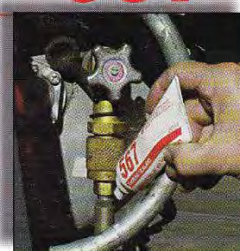
Seals mild steel, stainless, monel and aluminium.

Copper and brass fittings at cold water temperatures.

Safe to use. Product will not clog fine valves or orifices. AGA approved N°3207 up to 1050kPa (150psi).

When required, use Primer 7649.

Temp. range -55°C to +200°C.



LOCTITE



FLANGE SEALANT

587

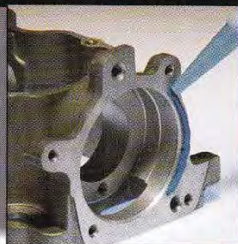
BLUE MAXX™ SILICONE

Use to replace or dress pre-cut gaskets and seals. Sensor safe for use in modern automotive applications.

Ideal for oil pans, rocker covers, inlet manifolds, etc..

Use where relative movement causes failure of conventional gaskets.

Temp. range -70°C to +260°C.



LOCTITE

50g Part N° 34518



RETAINING COMPOUND

609

HIGH STRENGTH

High strength for bearings, pulleys, gears, sprockets, sleeves, pins, bushes and couplings.

Excellent load transmission capabilities.

Use for parts requiring dismantling for maintenance or repair.

Prevents fretting corrosion.*

Seals joints to prevent corrosion.

When required, use Primer 7471.

Temp. range -55°C to +150°C.



LOCTITE



RETAINING COMPOUND

660

QUICK METAL® PRESS FIT REPAIR

Repairs worn shafts or housings.

Prevents bearing spin in housings.

Repair worn keyways and splines.

Refit worn couplings.

Form in place shims.

Excess material outside of joint remains liquid for easy cleanup.

When required, use Primer 7471

Temp. range -55°C to +150°C.



LOCTITE



RETAINING COMPOUND

680

VERY HIGH STRENGTH

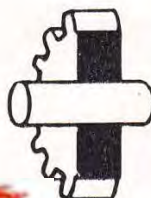
High load transmitting grade for use in permanent assemblies.

Use for rotors, gears, couplings, pins, bushes, sprockets and sleeves.

Ideal for heavy duty applications in earthmoving and mining equipment - crushers etc..

When required, use Primer 7471.

Temp. range -55°C to +150°C.



LOCTITE

LINSAUTO CENTRE

LUBRICANT

771

NICKEL ANTI-SEIZE

Reduces corrosion and seizing due to strong chemicals and weathering. Lubricates conveyor chains, well suited to marine applications. Coats gaskets in high temperature applications, pump / pipe flanges in chemical plants. Lubricates slow moving bearings in hot corrosive environments. Oven doors, oil refineries, bitumen plants, sewerage treatment plants. Temp. range -55°C to +760°C.



LOCTITE

ADHESIVE

3801

5 MINUTE EPOXY

- Bonds metal, ceramic, concrete, fibreglass, marble, wood, etc..
- Clear, colourless bond.
- General purpose workshop repairs.
- Temp. range -55°C to +120°C.



LOCTITE

ADHESIVE

3805

STEEL & ALUMINIUM EPOXY FILLER

- High thermal conductivity - perfect for fitting shaft repair sleeves.
- May be drilled, filed, tapped or sanded after cure.
- Strong bonds to virtually all metals- especially steel & aluminium. Also suitable for wood, ceramics & concrete.
- Resists most common household and workshop chemicals.
- Temp. range -55°C to +150°C.



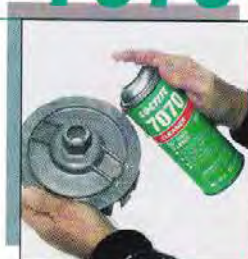
LOCTITE

CLEANER DEGREASER

7070

ODC FREE CLEANER

- Quick drying cleaner and degreaser.
- Cleans surfaces for Loctite anaerobic and cyanoacrylate adhesives.
- Plastics compatible and non-corrosive.
- Mild citrus scent.
- Contains no ozone depleting chemicals.
- Use for cleaning and degreasing precision parts.
- Suitable for races, gears, bearings, controls, etc..



LOCTITE

LOCTITE 55

PIPE SEALING CORD

- Outdates pastes, hemp and tapes.
- Fast, clean, definite first time seal.
- Fittings can be "backed-off" for alignment.
- Nothing new to learn.
- Approved for potable water.
- AGA approved, N°8638 up to 2400kPa.
- Use on plastic and metal fittings.
- Use with temperatures up to +150°C.



HAND CLEANER

FAST ORANGE®

- All natural, cleans hands fast with the power of natural citrus extracts.
- Cleans hands fast with or without water.
- Contains no harmful petroleum solvents.
- Conditions skin with lanolin, aloe, jojoba and Corn Huskers Lotion**.
- Pumice formula removes the toughest grease, dirt, oil and ink.
- Biodegradable and non-toxic.



LIN'S AUTO CENTRE

LOCTITE FREEZE & RELEASE

Shock freezes seized and rusted parts
Down to -43C, causing microscopic
cracks in the rust and allowing the
lubricant to penetrate.
The assembly can be easily dismantled
after 1 – 2 minutes and parts remain
lubricated and protected from corrosion



LOCTITE

LOCTITE SPEEDBONDER 319

Fast Cure Adhesive for Metal, Glass and
Thermoset Plastic. Fills gaps to .4mm
Use with Loctite Activator 7649
Temperature range -55C to +120C
50ml Bottle



LOCTITE

LOCTITE SPEEDBONDER ADHESIVE 324

Fast cure Adhesive for Metal to Glass bonding
Fills gaps to 1mm
Use with Loctite Activator 7075
Temperature range -55C to +135C
50ml Bottle



LOCTITE ACTIVATORS & PRIMERS

Loctite 7025, 7387, 7471, 7649
and 770 increase cure speeds
and assist strong reliable bonds



LOCTITE



An air dry Synthetic Rubber Coating that can be
applied to a wide range of materials by
spraying, brushing or dipping



Invisible Windshield Wiper dramatically
improves wet weather driving visibility



SEAL WELL[®]

CLEANS & SEALS

Cleans and Seals...
Radiators, Hoses & Engines
as you drive while providing
protection against rust &
corrosion

Available in 2 cube blister
packs



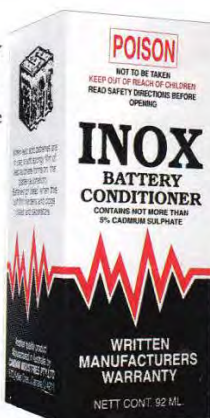
inox.

Super Lubricant
with MX 3 (Anti-
Moisture + Anti
Corrison)

Also available as Landex (with Lanolin)



INOX BATTERY
CONDITIONER
Gives Newe Life
to Old
Batteries



CRC/ADOS POLYMER SEALANTS AND ADHESIVES

For Stone, Wood, Metal, Ceramics + Plastics.
Four Colours: White, Grey Black + Clear.
Stretches up to 600%

CRC / ADOS

F2 Adhesives.
and Silcones.



VALVOLINE ANTIFREEZE AND HYDRAULIC OILS

All Oil and Grease Products
in 4, 5, 20 and 20.5
litres containers containers



Tensile strength 4000lbs PSI
(278kg/cm²)

Withstands temperatures to
300°C

Resistant to petrol, oil and
battery acid

So tough you can drill it,
grind it and machine it

25 year shelf life once opened

Seals leaks in water pipes,
petrol tanks, car batteries,
cylinder heads

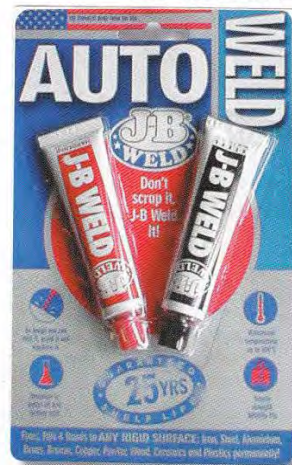
Permanently bonds metal,
plastic, ceramic, wood,
masonry

Odourless - no solvent abuse

Sets in 4 hours full strength in
16 hours



EPOXY ADHESIVES



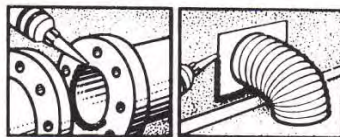
EAGLE ONE®

Top Quality American Car Care Products
including Leather Care, Glass Cleaner,
and Mag Wheel Cleaner.



**DOW CORNING SILASTIC
ADHESIVE/SEALANT**
RTV Silicone Rubber
Neutral Curing available
in 310gm cartridges and
150gm tubes.

Formulated for use with
Metal or Masonry.



PIPES

VENTS



FLUES

DUCTING



plasti-kote®

SPRAY PAINTS

Super Enamels
Anti-Rust
Engine Enamels
Sandable Primers
Super Lacquers
Trunk Paint
Hot Paints
Wheel Paints
Metallics
Fluorescents
Auto Colours
Bumper Paints
Vinyls
Wrinkle Finish
Metal Flake



plasti-kote®

SPECIALTY CHEMICALS & LUBRICANTS.

Available Ex-stock....

BELT GRIP -

Improves Grip and adds
life to Vee Belt Drives.

SPRAY-SLIK SILICONE

Spray on Lubricant for
Rubber, Metal or Wood.

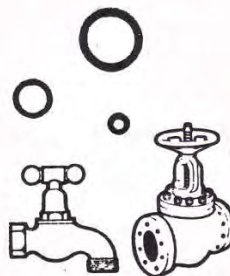
DRY GRAPHITE LUBRICANTS

Combines Electrical and
Lubrication needs.



**DOW CORNING MOLYKOTE 44 High
Temperature Silicone Grease 100gm.**
Suitable for Ball Bearings.
-40 deg - +200 deg C.

**DOW CORNING MOLYKOTE 111 Valve and
O'Ring Lubricant 100gm.** Protects
all Fluid Valves, Stopcocks and
Rubber O'Rings from wear in Corrosive
environments. Resists Washout.
-40 deg - 200 deg C.



**CRC DEGREASERS, LUBRICANTS,
CAR CARE, CLEANERS, COATINGS**

5.56, Brakleen, Aerostart, Aeroclean,
Engine Start, Clean-R-Carb, Zinc-It, Softseal,
Gasket Stripper, TAC-2, Longlife, Marine 66



ROCOL LUBRICANTS

Copper Antisieze

**MX22 Silicone Grease for Valves,
Seals and O'Rings**

Metal Cutting Fluid

Metal Cutting compound



LINSAUTO CENTRE



The ideal lubricant for all Auto Parts. Use when assembling Brake Cylinder components and Suspension Bushings. Eliminates squeaks and Squeals.



SIMPLE GREEN

The all purpose cleaner for Auto Parts, Boats, anything.... Use concentrated as a de-greaser. Non-toxic and Biodegradable.

Available in 500ml and 750ml Trigger Bottle and 4 litre packs.



Engine Oils, Motorcycle Specialities, Greases, Gearbox & Transmission Fluids, Outboard Oils, Hydraulic Oils, Cleaners.

KEROSENE METHYLATED SPIRITS TERPENTINE FUELITE CLEANING FLUID

All available in 1 Litre Bottles



WD40 LUBRICANT

Stops squeaks and squeals, protects metal, loosens rusted parts, frees sticky mechanisms. Available in 300 gram spray can, 4 litre pack and refillable applicator bottle with trigger.



General Enamels + Laquers
Auto Paint
Marking Paint
Metallic Paint
Engine Enamel
Calipre Paint
Glow (Marking) Paint
Vinyl Spray
Hot Paint
Bumper + Wheel Paint
Anti - Rust Paint
Cracklin' + Fleck Paint
Primers

HYLOMAR

Hylomar Universal Blue Sealant is the Worlds leading non-setting Sealing and Gasketing Compound. Used as a gasket dressing or without a gasket. Seals finely machined faces with gaps less than 0.1" and resistant to a wide range of fluids including gasoline, kerosene and oils.



MISCELLANEOUS CHEMICALS

**Powerplus Bearing Blue
Holts Lubestick
Holts Grinding Paste
Holts Gasket Cement
One Shot Radiator Stopleak
Solder Flux & Resin Core Solder
Engineers Marking Ink
Engineers Chalk
Selley's Fibreglass Repair Kits**

AUTOSOL

**Polish for all Metal Parts
Chrome, Brass, Copper,
Nickel, Stainless
Steel.**



**For use on Boats,
Cars, Trucks, Bicycles,
Watches, Lamps,
Metal Furniture, Musical
Instruments etc.**

SKF Alfabub Bearing Grease

Specially formulated Lithium based grease for Bearing Lubrication, including Marine and High Tempature applications. Available in Drums, Tubes and Cartridges.



System 24 Lubricators

Attach directly to Bearing housings to provide remote lubrication.



Kresto Hand Cleaner

Available in 250ml Tubes,
400ml Flip Top,
2L Pump Pots and
2L Soft Bottles with Dispenser.
Cleans Oil, Ink and
Carbon Black.
Contains Eucornol for
the prevention of
skin irritation



CRC MANISEAL BANDAGE

Exhaust Bandage quick repair
for cracked or split exhaust pipes



CRC MANISEAL CEMENT

To seal exhaust leaks between
pipe flanges and slip fit pipes
145gm Tube
575gm Cartridge



SLICK 50 TREATMENTS

Protects Engines and Transmissions
From Friction, Heat and Wear



ThreeBond

THREE BOND ADHESIVES

Liquid Gasket Eliminators
Sealers and Gasket Removers



ABRO

Car Care Products

FC-577 All Foam Cleaner
CW-927 Carnauba Wash-n-Glow
GC-450 Auto Glass Cleaner
TC-800 Foaming Tyre Cleaner
SW-300 Silicone Cleaner & Car Wax
PW-400 Super Gold Paste Wax
PA-510 Protect All



Power and Performance



Available in
200gm and
600gm bottles

200g
NET



CRC BELT GRIP

Automotive and food grade belt grip
Creates a non slip surface and extends
the life of belts by improving
Traction

400ml Aerosol



CRC AUTOMOTIVE ADDITIVES

Fuel & Diesel Injector Cleaner,
Fast Motor Flush, Radiator Sealer,
Radiator Flush, Trans Clean,
Oil Performance



CRC ZINC SPRAY

Zinc rich coating for metal
Protection Available in Plain,
Bright or Coloured Finish
Black, White, Red, Yellow,
Blue and Green

400ml Aerosol

1 Litre Tin



CRC RED GASKET SILICONE

High temperature self forming RTV Silicone
To replace Felt, Cork, Paper, Asbestos and rubber
Gaskets. Also available in Sensor Safe Grey
85gm Tube



CRC LANOCOTE

Natural Lanolin Protection to prevent
Corrosion and Thread Seizure

500ml Aerosol

250ml Tub

500ml Tub



CRC PLASTIC PUTTY FILLER

Versatile medium weight filler
Quality finish for general body filling

1 Litre Tub

3.5 Litre Tub



CRC GLASS CLEANER

For use on Glass, Perspex, Plexiglass, Mirrors
And Marble Benchtops

500ml Aerosol

500ml Applicator



SELLEYS ARALDITE

Fast setting Epoxy Resin Adhesive for
bonding Metal, Glass, Ceramics, China,
Porcelain, Rubber and Wood

24ml Syringe



5 minutes

Super strength

Ultra clear



TENGTOOLS®

Teng Tools are designed to ISO & DIN Standards in Sweden for the price conscious professional and come with an 'Everlasting Power Guarantee'. Teng Tool cabinets feature the 'Tool Control System' of Interchangeable Tool Trays for each Drawer



Professional Air and Hand Tools, Automotive Speciality Tools, Electrical Power Tools and Equipment.



TOOLS Koken

Top Quality Socket - Drive Products



KINCROME

AUTOMOTIVE
SPECIALITY
TOOLS





The simple cost effective system for repairing or creating stronger threads.



**Inserts and Taps interchangeable with all
Helically Wound Thread Insert Systems.**

Kits and Replacement Inserts available for the following threads:

BSF, BA, BSP, BSW, UNC, UNF, NPT, 8TPI UN Series, BSC, Metric Coarse, Metric Medium, Metric Fine, Metric Extra Fine, Sparkplug.

TRADE QUIP TQ
THE BRAND NAME IN EQUIPMENT



BOSCH POWER TOOLS



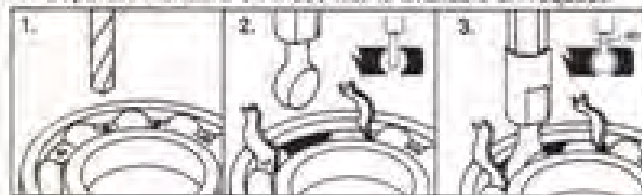
mini

MINI ROTARY TOOL KIT
Carry Case, 60 Accessories



THE UNIQUE BALL BEARING PULLER

- Capable of removing bearings from blind housings without dismantling machinery or removing running shaft.
- Three kits are available to cover a wide range of I.S.O. bearing types (see below).
- Ensures positive seating of bearing adaptors within the bearing race.
- Allows the application of even tension on both inner and outer bearing rings which reduces resistance during extraction.
- All kits supplied in storage case.
- Separate literature on these kits is available on request.



KITS AND APPLICATIONS

Kit No.	098000	098100	098200
ISO Bearing designation	6004 to 6010 6209 to 6206 6300 to 6302	6004 to 6015 6200 to 6211 6300 to 6307 6403 to 6404	6212 to 6222 6308 to 6319 6405 to 6414
Overall Puller spread	20-65mm 3/4-3 3/4 ins.	20-117mm 3/4-4 5/8 ins.	56-210mm 2 1/8-8 1/4 ins.
Adaptor diameters	5.5-8mm 7/32-5/16 ins.	5.5-12.5mm 7/32-1/2 ins.	10-32mm 5/8-1 1/4 ins.



K KERRICK



**Industrial Vacuum
Cleaners**

Water Blasters



HANDLING EQUIPMENT
Sack Trolleys, Pallet Lifters
Trolley and Bottle Jacks



PROJECTA
Brand Jump Starters

PROJECTA



PROJECTA
Electrical Test Equipment
Battery Chargers
Battery Testers

PROJECTA



MARQUIP

**INDUSTRIAL
COMPRESSORS**



**ANTI-FATIGUE/NON SLIP
RUBBER FLOOR MATT**

**1600MM x 900MM Skid-resistant
surface gives more secure footing
around machinery, plus eases foot,
leg and back fatigue**



**LINSAUTO
CENTRE**

**Generators
Water Pumps**



VellAnde

AIR TOOLS
Drills, Grinders,
Cutters, Sanders,
Polishers & Wrenches



**Propane Gas Containers
Blow Torches
Soldering Equipment**



EUROQUIP

WELDING EQUIPMENT

Gas, Mig, Tig, Hoses, Wire, Helmets,
Torches, Tips, Regulators, Goggles



Toledo Bearing Grease Packer
For Bearings with a Minimum Inner
Diameter of 12mm to a Maximum
Outer Diameter of 125mm and height
from 6mm up to 50mm.
Fitted with a
Grease Nipple
and designed to
be used with a
Grease Gun.



Evacut Rotary Carbide Burs





DURABOOT GUN

Duraboot Pneumatic operated gun for the Application of stretchable CV Boots and Steering Rack Boots

MACNAUGHT GREASE PUMPS & ACCESSORIES

Pneumatic & Hand operated Oil & Grease Transfer Pumps, Grease Guns, Hoses & Nipples



PETROL & OIL MANAGEMENT

Petrol & Oil Cans, Pourers, Funnels & Petrol Wash Brushes



WORKSHOP TORCHES

LED Torches & Inspection Lamps

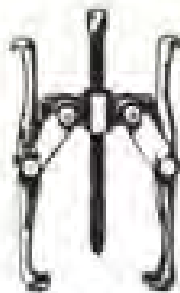
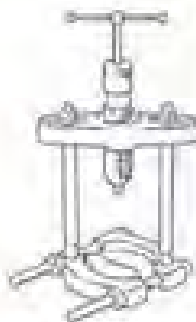


SPECIALITY TOOLS



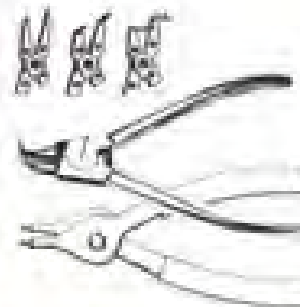
**HEXAGON WRENCHES
HEXAGON WRENCH SETS**

**PUNCHES, PUNCH SETS,
COLD CHISELS**

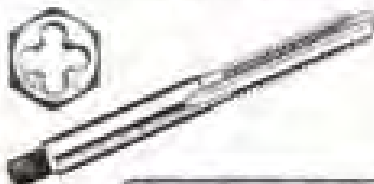


BEARING AND GEAR PULLERS

CIRCLIP PLIERS



TAPS AND DIES, DIE NUTS



HACKSAW BLADES



**SCREWDRIVER INSERT BITS
DRILL BITS**

BONDHUS

BALL END HEX & TORX KEYS
For Installations with 25 Deg
Misalignment.



**THREAD PITCH GAUGES
TAP WRENCHES**

SPIRALUX

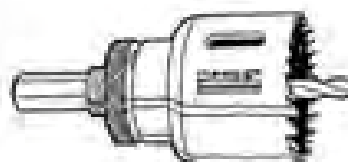
THREADED INSERT SETTING TOOL

Available as a kit in Sturdy Plastic Box complete with a selection of Inserts M4, M5, M6 and M8



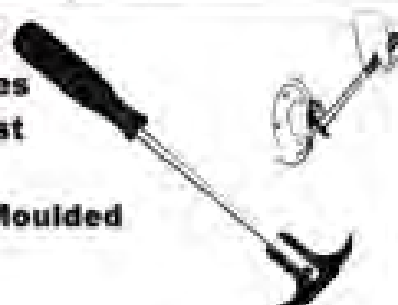
Gamflex Holesaws

Diameter Range:
5/8" (16mm) - 4" (102mm)



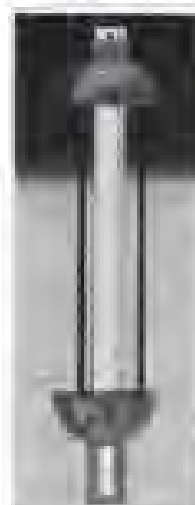
SEAL PULLER

Two Hook sizes
To handle most
Oil Seals.
Comfortable Moulded
Handle.



4 PIECE HOOK & PICK SET

For the removal of
O'Rings & Seals etc.



Dayco Wall
Mounted Vee
Belt Gauge



Dayco 'Krikit' Pocket
Tension Gauge for Fan
Belts & Polyrib Belts

Dayco Vee Belt
Tension Gauge for
Heavy Duty Drives



OIL SEAL INSTALLATION TOOL

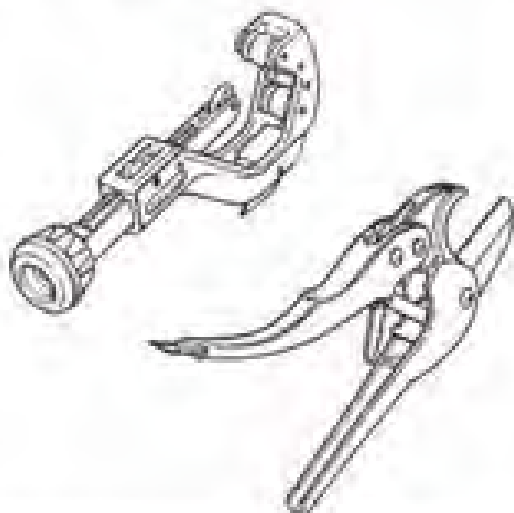


Allows Square Installation of
Oil Seals and reduces damage.
Comes with a set of detachable
Mandrels to suit seals 1.1/2" (38mm)
To 2.1/4" (57mm).

INSPECTION MIRRORS MAGNETIC PICK-UP TOOLS



**PIPE CUTTERS
HOSE CUTTERS**



Limit

Calipers, Micrometers, Dial Gauges,
Telescopic Gauges, Magnetic Stands



NOGA

deburring system



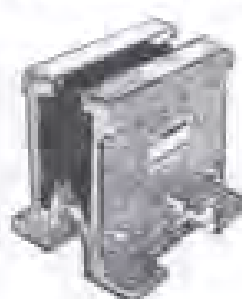
**STEEL RULES
TAPE MEASURES**



STEP DRILL BITS



**ROLLER CHAIN BREAKERS,
VICES AND PULLERS**



ENGINEERS FILES

Flat, Half Round, Round, Square,
And Contact Points Type.
Thread Files also available



AIR BLOW GUNS

8MM, Light Weight



NUT SPLITTER

Destroys hard to
Remove bolts



IMPACT DRIVER SETS

For hard to remove screws



JIGSAW BLADES

For Metals, Plastics, Wood



SCREW EXTRACTOR SETS



FEELER GAUGES



WIRE BRUSHES



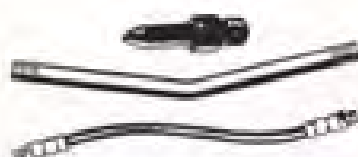
INDUSTRIAL KNIVES



OIL CANS



GREASE GUNS



GREASE GUN NOZZLES AND EXTENSION HOSES

POP RIVET TOOLS



TT55D

TT17B



TT4D & TT24
Lazy Tongs



BAGS OF RAGS

T-Shirt Grade

10 kg and 20 kg bags



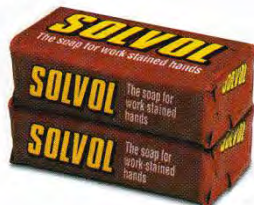
BRIAX WORK SOAP

Pumice Soap sold in packs of 2



SOLVOL

Abrasive Soap Bars, heavy duty
pumice powered liquid hand cleaner
with natural citrus oil
for removal of ink,
motor oil, paint or
grease



GARNET

Sand Blasting Compound

Super C Grade

25kg Sacks

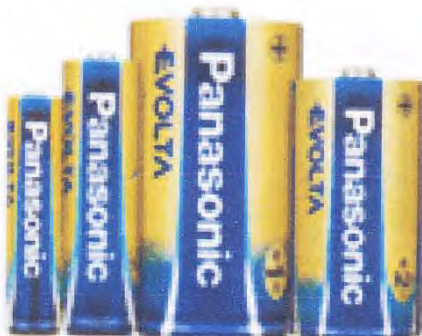


PANASONIC BATTERIES

Premium Dry Cell Batteries
for high performance

Applications:

All popular sizes in stock



BAND-IT STRAPPING

316 Grade Stainless Steel Strapping in
30 Mtr box. Diameters 9.53mm, 12.70mm,
15.88mm and 19.05mm. Also available is
Giant Band in 32mm width in 100 Mtr box
Buckles and Tools available



MASKING TAPE

Prevents penetration of
Paints and Thinners



ABRO

DUCT TAPE

High Quality Cloth
Available in 50mm Wide
Rolls x 25, 30 and 50 Mtrs
In Black and Silver.



ABRO

THREAD SEAL TAPE

Ceelon Handyman Tape in 10mtr
Rolls. 12mm wide x 0.75mm Thick.



PVC ELECTRICAL TAPE

Abro Tape for low voltage
Wire and cable insulation
Available in Black, White,
Red, Blue, Yellow & Green.



FLEXOID GASKET PAPER & CORK GASKET MATERIAL

Sheets Sizes 300mm x 300mm
and 1 Metre x 1 Metre

Thickness

0.4mm

0.8mm

1.6mm



INSERTION RUBBER SHEET

Used for Gasketing and available in
1.6 and 3.2mm thickness



GRINDING WHEELS

Depressed centre grinding wheels in diameters 100mm, 115mm and 125mm



CUT OFF WHEELS

For cutting metal, masonry, aluminium and stainless steel. A range of diameters from 75mm up to 406mm

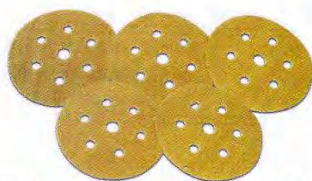


GRINDING WHEELS & WIRE WHEELS

For bench grinders in diameters 150mm & 200mm

WIRE BRUSHES

Twist Knot Cup Brushes & Wire End Brushes for hand held tools in a range of sizes



SPEED-GRIP DISCS

Self adhering sanding discs for most surfaces. Diameter 150mm in Grits 40, 60, 80, 100, 120, 150, 180, 240 & 320

CLOTH ROLLS

Width 40mm in grits 40, 60, 80, 100, 120, 150, 180, 240 & 320



FLAP WHEELS & FLAP DISCS

For light sanding and edge deburring
A wide range of diameters and grits available



ROLOC BRISTLE DISCS

For deburring, finishing and blending corners, rivets and welds. Diameters 50mm & 75mm in 3 grades



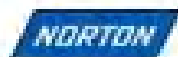


CLOTH BELTS

A range of stock diameters and lengths or made to order

ZIRCONIA FINISHING BELTS

For work on
Stainless Steel
and other tough
metals



FIBRE DISCS

115mm & 125mm
Diameters In Grits
36, 60 & 80



SPEEDLOCK DISCS

Quick change system with rubber holder
50mm & 75mm diameter in Grits 36, 60,
80 & 120mm. Incorporating a range of
Light grinding and blending discs



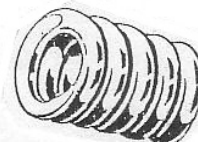
WELDING RODS, WIRE AND ELECTRODES

Blue Demon, JBS & Strata brand
Welding Wire in 5kg & 15kg rolls.
Weldcraft Electrodes and Strata
Welding Rod in Mild Steel Gas,
Stainless Steel TIG and Low
Fuming Bronze





JUMBO SPRING SELECTION



EXTENSION SPRINGS												COMPRESSION SPRINGS					
Stock No.	O. D. Inches	Length	Wire Dia.	Max. Defl.	Max. Safe Load	Stock No.	O. D. Inches	Length	Wire Dia.	Max. Defl.	Max. Safe Load	Stock No.	O. D. Inches	Length	Wire Dia.	Solid Height	Max. Safe Load
C-1	1/8	1-1/2	.015	2.08	1.45	C-193	3/8	4	.034	6.66	4.13	C-500	5/32	9/16	.023	.276	5.3
C-5	5/32	1-1/2	.020	1.66	2.69	C-205	1/4	5	.034	3.00	6.04	C-510	1/4	1/2	.035	.262	11.4
C-13	7/32	1-1/2	.023	2.64	3.00	C-209	3/8	4-1/2	.028	12.9	2.39	C-516	5/32	1	.011	.138	.62
C-19	1/4	1-1/2	.035	1.11	8.46	C-215	3/8	3-3/4	.041	3.88	6.52	C-520	3/16	7/8	.016	.272	.81
C-23	9/32	1-1/2	.025	3.59	2.92	C-219	15/32	4-1/2	.041	8.33	5.28	C-526	3/16	1	.028	.483	7.86
C-25	5/16	1-1/2	.020	7.62	1.39	C-221	1/2	4-1/2	.062	2.93	15.9	C-530	7/32	1	.020	.235	2.60
C-29	11/32	1-1/2	.028	4.03	3.33	C-223	1/2	5	.072	2.15	23.5	C-532	3/16	1	.013	.140	.85
C-31	7/16	1-1/2	.028	6.18	2.64	C-227	11/16	4-3/4	.091	2.26	33.9	C-550	3/16	1	.016	.200	1.57
C-33	7/16	1-1/2	.047	1.71	11.5	C-231	9/16	6	.072	3.61	21.1	C-554	1/4	1	.020	.195	2.29
C-51	1/8	1-7/8	.014	3.17	1.19	C-233	1/4	6	.034	3.64	6.04	C-556	5/16	5/8	.026	.181	3.02
C-55	5/32	1-7/8	.020	2.13	2.69	C-235	5/16	6	.028	11.5	2.85	C-562	1/4	1	.035	.464	11.40
C-63	7/32	1-7/8	.023	3.46	3.00	C-239	3/8	6-1/2	.047	4.67	9.77	C-566	3/8	3/4	.032	.230	4.47
C-67	1/4	1-7/8	.020	6.46	1.72	C-243	5/8	6-1/2	.054	11.9	8.64	C-570	1/8	1-3/8	.014	.399	1.56
C-69	1/4	1-7/8	.035	1.47	8.46	C-251	1-1/8	16	.105	21.6	31.7	C-576	5/32	1-3/8	.016	.348	1.87
C-73	9/32	1-7/8	.025	4.78	2.92	C-253	9/16	16-1/2	.054	25.2	9.5	C-578	3/16	1-3/8	.013	.179	.85
C-77	11/32	1-7/8	.025	7.26	2.40	C-257	13/16	4-1/2	.091	3.2	29.0	C-580	3/16	1-3/8	.028	.652	7.86
C-81	7/16	1-7/8	.028	8.79	2.64	C-259	13/16	4	.120	.73	61.7	C-582	3/16	1-3/8	.016	.260	1.57
C-83	7/16	1-7/8	.047	2.40	11.5	C-261	1-1/16	5-1/2	.120	3.62	48.2	C-600	7/32	1-3/8	.020	.305	2.60
C-103	1/8	2-1/2	.018	2.17	2.44	C-263	7/8	6	.091	5.56	27.1	C-604	7/32	1-3/8	.023	.385	3.89
C-105	5/32	2-1/2	.020	2.92	2.69	C-265	1-1/16	7	.105	7.19	33.4	C-608	1/4	1-3/8	.020	.250	2.29
C-111	3/16	2-1/2	.025	2.52	4.26	C-267	1-1/4	6-1/2	.162	2.72	93.7	C-612	9/32	1-3/8	.028	.444	4.42
C-115	1/4	2-1/2	.016	15.50	.90	C-269	1	7	.135	2.93	69.9	C-614	5/16	1-1/4	.041	.615	10.60
C-117	1/4	2-1/2	.020	9.07	1.72	C-271	1-1/16	8-1/2	.080	19.3	15.5	C-624	3/8	1-1/8	.041	.461	9.0
C-119	1/4	2-1/2	.035	2.03	8.46	C-273	1-1/8	8-1/2	.148	3.87	81.1	C-632	7/16	1-1/16	.041	.359	7.77
C-131	7/16	2-1/2	.028	13.2	2.64	C-275	1-1/8	7-1/2	.091	13.2	21.3	C-650	7/32	1-3/4	.013	.375	2.60
C-133	7/16	2-1/2	.047	3.51	11.5	C-277	3/4	6-1/2	.091	4.2	31.3	C-652	7/32	1-3/8	.028	.526	6.84
C-135	7/16	2	.062	.76	18.0	C-281	3/8	5-1/2	.052	1.6	20.6	C-660	5/16	1-3/4	.016	.156	.84
C-139	7/16	3-1/2	.054	2.41	12.1	C-285	3/8	5	.034	8.52	4.13	C-664	11/32	1-1/2	.047	.796	14.4
C-141	5/8	2-1/2	.072	.92	19.1	C-287	5/16	5	.031	8.78	3.78	C-668	3/8	1-1/2	.026	.271	2.53
C-143	9/16	3	.054	3.64	9.55	C-289	5/16	5	.034	5.44	4.91	C-672	3/8	1-3/4	.035	.505	5.75
C-155	5/16	3	.028	5.37	2.85	C-293	3/8	6-3/4	.062	2.05	20.7	C-676	7/16	2-1/8	.032	.402	3.85
C-157	1/4	3-1/4	.025	4.10	2.64	C-301	1-1/2	11-1/2	.135	14.9	47.9	C-680	5/16	2	.047	1.15	15.7
C-161	7/16	2-3/4	.034	6.08	3.57	C-303	1	12	.105	11.7	35.4	C-690	7/16	2-1/4	.041	.670	7.7
C-163	7/16	3-1/2	.047	3.50	8.47	C-307	1-1/16	12	.135	6.49	66.2	C-692	5/8	1-1/2	.041	.301	5.52
C-165	1/2	1-5/8	.080	.36	31.3	C-311	7/16	10-1/4	.041	17.5	5.6	C-700	1/2	1	.062	.542	21.4
C-171	3/4	2	.105	.51	46.2	C-313	1/2	8-1/2	.047	13.3	7.47	C-702	9/16	1	.054	.396	12.9
C-173	3/4	2-1/4	.105	.64	46.2	C-315	7/16	8-1/2	.047	9.3	8.47	C-704	1/2	1-1/2	.041	.400	6.84
C-175	3/4	2-7/16	.105	.74	46.2	C-317	5/8	8-1/2	.091	4.05	36.9	C-706	9/16	1-3/8	.072	.738	28.2
C-177	3/4	2-5/8	.105	.82	46.2	C-319	9/16	8-1/2	.054	12.4	9.55	C-712	11/16	1-1/4	.092	.755	44.7
C-179	9/16	2-7/8	.072	1.48	21.1	C-321	5/8	8-1/2	.062	10.7	12.9	C-714	3/8	2-1/4	.062	1.458	27.7
C-181	5/8	3-1/4	.072	2.01	19.1	C-323	5/8	8-1/2	.080	5.2	25.6	C-720	1/2	1-3/4	.062	.859	21.4
C-183	9/16	4	.047	7.42	6.7	C-325	7/8	8-1/2	.062	23.9	9.37	C-724	7/16	2	.054	.932	16.3
C-185	3/4	3-1/2	.062	5.60	10.9	C-329	7/8	8-1/2	.105	5.56	40.1	C-730	13/32	2-3/4	.047	1.128	12.4
C-187	3/4	3-7/8	.105	.95	46.2	C-333	7/8	9	.135	2.69	78.9	C-736	1/2	2-3/4	.072	1.560	31.3
C-189	3/4	3-1/8	.105	1.08	46.2	C-337	1	8-1/2	.120	5.38	51.0	C-740	5/8	2-1/2	.080	1.140	44.2
C-191	3/4	3-3/4	.105	1.39	46.2	C-339	1-1/4	10	.148	6.18	73.7	C-742	5/8	2-3/4	.054	.770	11.7
												C-750	3/4	2	.080	.86	28.7
												C-752	15/16	2	.080	.667	23.2
												C-756	23/32	3-1/2	.041	.461	4.82
												C-766	9/16	3	.054	.954	12.9
												C-782	5/8	3	.080	1.34	44.2
												C-792	7/8	3	.105	1.503	52.7
												C-802	1-3/8	4-3/8	.148	1.977	87.4
												C-806	1-1/2	3-1/4	.148	1.409	80.4
												C-814	1-3/8	2-1/2	.135	1.114	67.6
												C-818	1-1/8	4	.120	1.727	59.6
												C-822	15/16	4	.148	2.632	124.0
												C-826	1	3-1/2	.120	1.717	66.6
												C-830	1-1/8	3	.105	1.108	41.6
												C-832	1	3	.120	1.536	66.6
												C-834	1-3/16	2-3/4	.120	1.205	56.6
												C-836	7/8	4	.080	1.28	24.8
												C-838	3/4	3-1/2	.080	1.38	28.7
												C-850	5/8	5	.091	2.90	48.7
												C-856	3/4	6	.091	2.79	41.3
												C-858	11/16	6	.072	2.16	23.4
												C-864	7/8	6	.091	2.28	35.7
												C-874	1-3/8	6	.120	1.68	50.0
												C-878	5/8	9	.080	3.72	44.2
												C-892	1-1/8	7	.162	4.15	134.0

STAINLESS STEEL SPRING SELECTION



EXTENSION SPRINGS

COMPRESSION SPRINGS

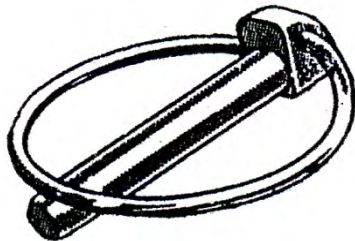
P/N	O.D. (Inches)	LENGTH (Inches)	WIRE DIA. (Inches)	MAX DEFL (Inches)	MAX. LOAD (lbs)	P/N	O.D. (Inches)	LENGTH (Inches)	WIRE DIA. (Inches)	SOLID HT. (In.)	MAX. SAFE LOAD (lbs)
SC-2	1/8	1/2	.013	.57	.81	SC-401	1/8	1/4	.016	.146	.86
SC-4	1/8	1/2	.020	.22	3.01	SC-403	3/16	25/32	.015	.248	.40
SC-6	1/8	7/8	.017	.74	1.83	SC-405	15/64	9/16	.034	.272	.807
SC-8	1/8	1	.013	1.94	.81	SC-407	1/4	1-1/32	.031	.341	6.75
SC-10	1/8	1-1/8	.017	1.03	1.83	SC-409	1/4	3-3/4	.026	1.534	1.61
SC-12	1/8	2	.013	3.83	.81	SC-411	9/32	15/16	.028	.315	2.87
SC-14	1/8	2	.020	1.27	3.01	SC-413	19/64	3/4	.030	.270	3.41
SC-16	3/16	1/2	.015	.97	.80	SC-415	5/16	3/4	.017	.136	.28
SC-18	3/16	7/8	.017	1.68	1.16	SC-417	21/64	13/32	.024	.144	1.03
SC-20	3/16	1-1/4	.017	2.83	1.16	SC-419	21/64	1-5/16	.062	.682	54.96
SC-22	3/16	2	.020	3.45	1.88	SC-421	11/32	1/2	.032	.200	1.53
SC-24	1/4	11/16	.032	.40	5.48	SC-423	23/64	15/16	.031	.279	2.93
SC-26	1/4	1-3/8	.020	4.58	1.37	SC-425	23/64	1	.033	.367	2.72
SC-28	1/4	1-5/8	.032	1.44	5.48	SC-427	3/8	1-3/8	.041	.574	5.52
SC-30	1/4	1-7/8	.032	1.73	5.48	SC-429	25/64	3-1/4	.051	1.250	17.17
SC-32	1/4	2	.026	3.09	2.98	SC-431	7/16	2-7/16	.070	1.418	26.93
SC-34	1/4	2	.037	1.21	8.51	SC-433	15/32	2-5/8	.040	.800	3.50
SC-36	1/4	2-1/4	.022	5.53	1.82	SC-435	1/2	1-3/16	.047	.423	5.85
SC-38	1/4	2-1/4	.032	2.20	5.48	SC-437	35/64	7/8	.062	.341	19.88
SC-40	1/4	2-3/8	.026	4.03	2.98	SC-439	35/64	1-1/4	.047	.476	4.27
SC-42	1/4	2-1/2	.032	2.42	5.48	SC-441	35/64	1-11/16	.079	1.027	22.98
SC-44	1/4	2-3/4	.032	2.71	5.48	SC-443	9/16	1-21/32	.067	.737	16.91
SC-46	1/4	2-3/4	.047	.93	17.63	SC-445	5/8	7/8	.038	.181	1.66
SC-48	1/4	3-1/4	.032	3.27	5.48	SC-447	5/8	1-1/8	.067	.503	13.12
SC-50	5/16	1-3/8	.041	1.00	9.00	SC-449	5/8	1-3/16	.032	.256	.95
SC-52	5/16	1-5/8	.032	2.41	4.26	SC-451	11/16	1-13/16	.092	.920	39.68
SC-54	5/16	1-7/8	.026	5.00	2.34	SC-453	45/64	1-1/8	.065	.520	6.93
SC-56	5/16	2-1/4	.041	1.86	9.00	SC-455	45/64	2-3/8	.062	.868	7.04
SC-58	5/16	2-3/8	.026	6.45	2.34	SC-457	23/32	1-1/2	.062	.496	8.75
SC-60	3/8	1-1/2	.032	3.14	3.48	SC-459	23/32	5-3/4	.039	.985	1.60
SC-62	3/8	1-3/4	.054	1.02	16.78	SC-461	3/4	3	.062	.806	9.06
SC-64	3/8	1-7/8	.041	2.17	7.30	SC-463	13/16	1-9/32	.063	.441	8.03
SC-66	3/8	2-1/4	.041	2.96	7.30	SC-465	13/16	4-3/4	.080	1.510	20.06
SC-68	3/8	2-1/2	.032	5.99	3.48	SC-467	53/64	3	.105	1.155	74.17
SC-70	3/8	2-5/8	.041	3.09	7.30	SC-469	27/32	3	.063	.693	9.58
SC-72	3/8	3	.054	2.01	16.78	SC-471	55/64	2-7/16	.105	.980	56.38
SC-74	3/8	4	.054	2.69	16.78	SC-473	7/8	1-5/8	.074	.518	13.18
SC-76	3/8	5	.054	3.47	16.78	SC-475	59/64	6-1/4	.072	1.278	14.80
SC-78	7/16	2-7/8	.054	2.71	14.06	SC-477	15/16	1-25/32	.072	.504	13.47
SC-80	1/2	3-1/2	.072	4.59	12.08	SC-479	1-1/64	3-1/2	.095	.998	30.78
SC-82	1/2	4-3/4	.072	6.52	12.08	SC-481	1-3/64	13/16	.120	.495	39.08
SC-84	9/16	3	.054	4.87	10.60	SC-483	1-19/64	2-21/32	.135	1.080	7.64
SC-86	9/16	4-1/4	.091	1.81	50.51	SC-485	1-19/64	4-1/2	.092	1.150	14.47
SC-88	5/8	3-5/8	.095	1.55	49.37	SC-487	1-1/2	5-1/8	.125	1.750	26.41
SC-90	5/8	4-1/2	.072	4.81	22.20						
SC-92	5/8	5	.091	2.87	44.56						
SC-94	3/4	2-7/8	.051	9.03	6.52						
SC-96	3/4	4-1/4	.091	3.66	36.10						
SC-98	1	4	.113	2.71	48.15						
SC-100	1-27/64	6-3/4	.120	11.72	39.31						

LINCH PINS

Steel, Yellow Zinc Chromate Finish.

<u>Pin Diameter</u>	<u>Part No</u>
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3/16	AG49
1/4	AG1
5/16	AG2
3/8	AG4
7/16	AG3



STEEL SHAFT COLLARS

Finish: Bright Zinc Plated



Available Sizes

Part No	Bore Size	Part No	Bore Size
AG751	1/4"	AG761	2"
AG752	3/8"	AG762	2.1/4"
AG753	1/2"	AG763	2.1/2"
AG754	5/8"	AG764	3"
AG755	3/4"	AG765	3.1/2"
AG756	7/8"	AG766	4"
AG757	1"		
AG767	1.1/8"		
AG758	1.1/4"		
AG768	1.3/8"		
AG759	1.1/2"		
AG769	1.5/8"		
AG760	1.3/4"		

CLEVIS PINS

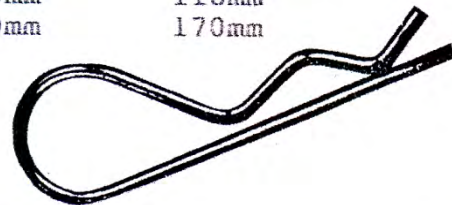
1/4	x .1"
5/16	x .15/16
5/16	x .1"
5/16	x .1-1/4
5/16	x .1-3/4
3/8	x .1"
3/8	x .1-1/8
3/8	x .2"
7/16	x .1-1/2



GRIP CLIPS ('R' Clips)

Steel, Bright Zinc Finish.

Wire Diameter	Overall Length (Approximate)	Part No
1.5mm	16mm	RCL1
1.5mm	25mm	RCL2
2.0mm	42mm	AG5
3.0mm	55mm	AG6
4.0mm	77mm	AG7
5.0mm	107mm	AG8
6.0mm	118mm	AG9
7.0mm	170mm	AG10

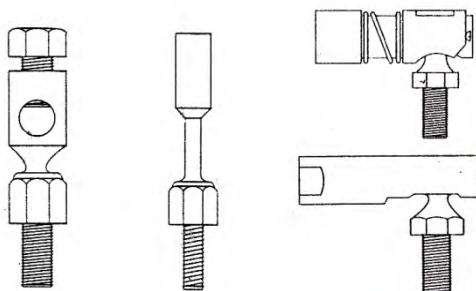


BALL JOINTS

Zinc Plated, Case Hardened Seats and Balls.

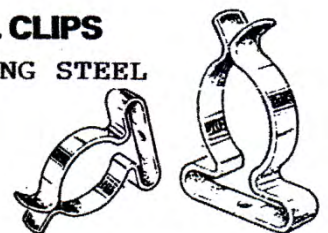
Spring Loaded, Light and Heavy Duty, Quick Disconnect, Inline and Damper Control available.

Thread Sizes 10/32, 1/4" UNC, 1/4" UNF, 5/16" UNF, 3/8" UNF.



SPRING STEEL TOOL CLIPS

Available as SPRING STEEL Zinc Plated



Part No	Grip Dia
LS101/10	1/4"
LS101/11	3/8"
LS101/12	1/2"
LS101/13	5/8"
LS101/14	3/4"
LS101/15	1"
LS101/16	1.1/8"
LS101/17	1.1/4"
LS101/18	1.1/2"
LS101/19	2"

TAPER PINS

Steel, Standard Taper of 1/4" per foot (.02083" per inch). Diameter is measured at large end.

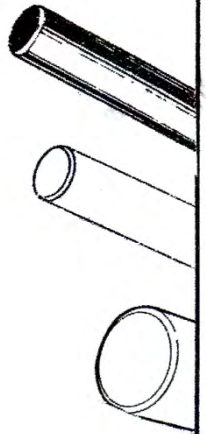
Dia	Length
1/16"	1"
3/32"	1"
1/8"	1"
1/8"	2"
5/32"	2"
3/16"	2"
3/16"	3"
3/16"	4"
7/32"	3"
1/4"	2"
1/4"	3"
1/4"	4"
9/32"	1.1/2"
1/32"	3"
9/32"	4"
9/32"	5"
5/16"	2"
5/16"	3"
5/16"	4"
5/16"	5"
3/8"	2"
3/8"	4"
7/16"	4"
1/2"	3"
1/2"	5"
1/2"	6"
5/8"	6"
3/4"	6"



SILVERSTEEL SHAFTING

Diameters Available

M2.5	M19	3/8"
M3	M20	7/16"
M4	M21	1/2"
M5	M22	9/16"
M6	M23	5/8"
M7	M24	3/4"
M8	M15	13/16"
M9		7/8"
M10	1/16"	15/16"
M11	3/32"	1"
M12	1/8"	
M13	5/32"	
M14	3/16"	
M15	7/32"	
M16	1/4"	
M17	9/32"	
M18	5/16"	

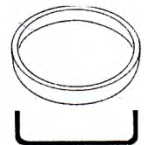


EXPANSION PLUGS (Frost Plugs)

STEEL, ZINC PLATED

Available Sizes Range
CUP TYPE

18mm to 56mm
7/16" to 2.1/2"



LENS TYPE

3/4" to 3"



Some Sizes Available in BRASS

DOWEL PINS

HARDENED AND GROUND

Common lengths available in following diameters.

M3	1/8"
M4	3/16"
M5	1/4"
M6	5/16"
M8	3/8"
M10	1/2"
M12	5/8"
M16	3/4"
M20	



SHIM STOCK

Available in Sheets & Rolls in BRASS and STEEL.

ROLLS

.002" thick
.003" thick
.005" thick
.010" thick
150mm wide x 600mm long

SHEETS

.002" thick
.003" thick
.005" thick
.010" thick
150mm x 150mm square



CHAIN GRAB & SLIP HOOKS

to suit 8mm diameter chain. Forged Steel Nickel Plated.



Available Clevis Pin Diameters

1/4" (6mm)
5/16" (8mm)
3/8" (9mm)
1/2" (13mm)



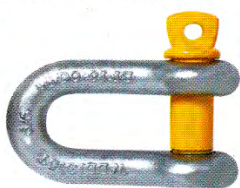
LINK CHAINS

Available in Galvanised Finish or Stainless Steel in Sizes:

1/8", 3/16", 1/4", 5/16", 3/8", 1/2"

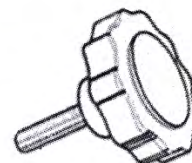
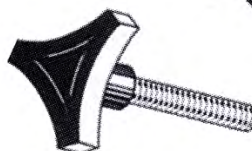
SNIG CHAINS

Variety of lengths
8mm dia Chain with
Lug Link one end,
& Grab Hook other.
Black Finish



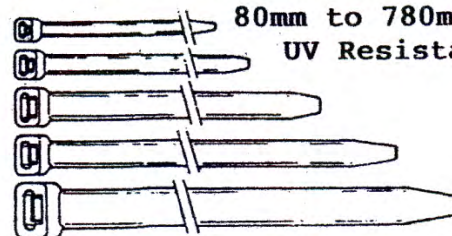
CONTROL KNOBS, WINCH HANDLES

Black Nylon Male and Female Knobs Tri and Rosette Metric and Imperial Threads



CABLE TIES Black, Plastic,

80mm to 780mm long
UV Resistant

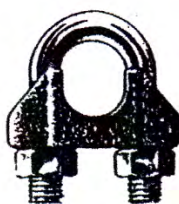


WIRE ROPE CLAMPS

Finish: Galvanised

Part No Size

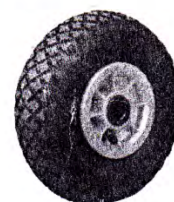
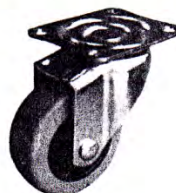
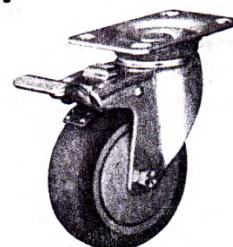
AG50	1/8" (3mm)
AG51	3/16" (5mm)
AG52	1/4" (6mm)
AG53	5/16" (8mm)
AG54	3/8" (9mm)
AG55	7/16" (11mm)
AG56	1/2" (12mm)
AG57	9/16" (14mm)
AG58	5/8" (16mm)
AG59	3/4" (19mm)
AG60	7/8" (22mm)



WHEELS & CASTERS

A variety of materials
available against firm
order, including....

Cast Iron
Solid Rubber
Urethane
Polypropelene
Alluminium
Nylon
Pneumatic Tyre



GREASE NIPPLES

STEEL, ZINC PLATED

STRAIGHT

BSF 1/4", 5/16"

BSP 1/4", 1/8"

SAE (UNF) 1/4", 5/16", 3/8"

METRIC M6, M8, M10

NPTF 1/8"

45°

BSF 1/4", 1/8"

SAE (UNF) 1/4", 5/16"

METRIC M6, M8, M10

NPTF 1/8"

90°

BSF 1/4", 5/16"

BSP 1/4", 1/8"

SAE (UNF) 1/4", 5/16", 3/8"

METRIC M6, M8, M10

NPTF 1/8"



FLEXIGAUGE

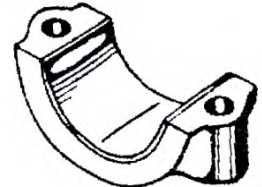
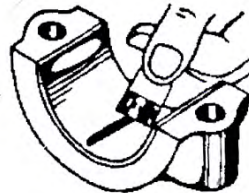
Flexigauge Plastic Strips for measuring Connecting Rod Bearing Clearances in four pack options, 10 strips per pack

Green Pack .001 - .003 in or .025 - .076 mm

Red Pack .002 - .006 in or .051 - .152 mm

Blue Pack .004 - .009 in or .012 - .229 mm

Yellow Pack .008 - .016 in or .203 - .406 mm



OILERS

SHOULDER DRIVE TYPE

STEEL, NICKEL PLATED

Drive fit into drilled hole

Self Closing Lid, 1/4" to 1.1/2"



THREADED TYPE

STEEL, NICKEL PLATED

Self Closing Lid,

1/8" BSP & 1/4" BSP



KEY RINGS

Spring steel with nickel plate finish and stainless steel

Available sizes 12mm (1/2"), 16mm (5/8"), 20mm (3/4")



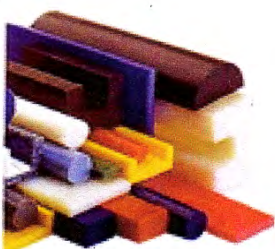
PLASTIC ROD

Machinable Plastic Rod in convenient 250mm lengths
Diameters from 25mm up to 250mm.

Materials include:

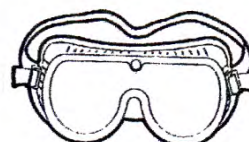
- * UHMWPE
- * Oiled Filled Nylon
- * Acetal

Other shaped sections also available against firm order



SAFETY EQUIPMENT

A basic range of essential equipment
Such as Safety Goggles, Gloves, Ear
Plugs, Ear Muffs, Face Masks.



WOODRUFF KEYS - IMPERIAL

1/2	x 3/32
1/2	x 1/8
5/8	x 1/8
5/8	x 5/32
3/4	x 1/8
3/4	x 3/16
3/4	x 5/32
7/8	x 3/16
1"	x 3/16
1"	x 1/4
1-1/8	x 3/16
1-1/8	x 1/4
1-1/4	x 1/4
7/8	x 1/4
1-1/8	x 5/16
1-1/4	x 5/16
1-1/4	x 3/8



MAK-A-KEY®

SQUARE KEY STEEL
12" Lengths



Sizes - Inch Sizes - Metric

1/8"	M4
3/16"	M5
1/4"	M6
5/16"	M7
3/8"	M8
7/16"	M10
1/2"	M12

WOODRUFF KEYS - METRIC

2	x 10mm
2.5	x 10mm
3	x 10mm
3	x 13mm
3	x 16mm
3	x 19mm
4	x 13mm
4	x 16mm
4	x 19mm
5	x 16mm
5	x 19mm
5	x 22mm
6	x 22mm
6	x 28mm
8	x 28mm
8	x 32mm
10	x 32mm



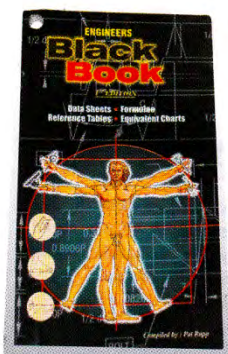
RATCHET TIE DOWN STRAPS

Variety of configurations, widths
and lengths available

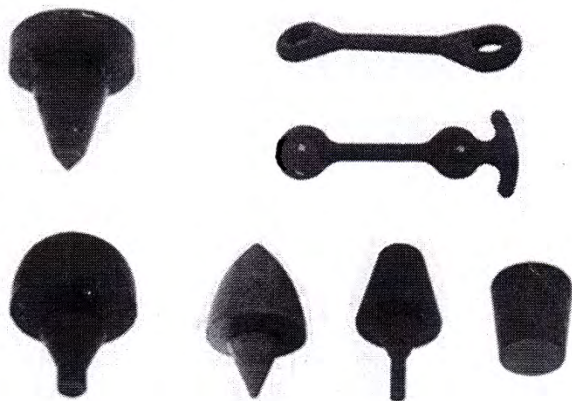


ENGINEERS GUIDE BOOK

Easy to use Engineers' pocket book
Features much needed information
Including drill & tapping charts,
Conversion factors, thread forms etc

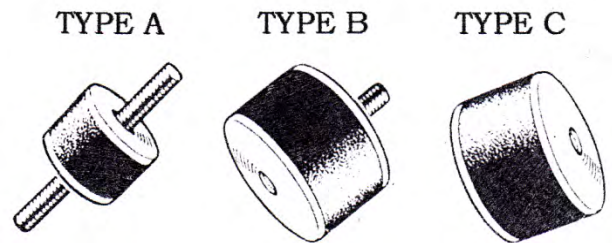


Anti-Rattle Buttons & Feet
Rubber Rope Tensioners
Rubber Bungs



CYLINDRICAL ANTI-VIBRATION MOUNTS

For Automotive and industrial use
33 Metric sizes available from
15mm to 150mm O.D.



RUBBER BLANKING GROMMETS

5/16
 3/8
 1/2
 5/8
 3/4
 7/8
 1"
 1-1/8



ELECTRICAL WIRING GROMMETS

1/8 x ..9/32
 3/16 x ..5/16
 1/4 x ..1/2
 5/16 x ..17/32
 3/8 x ..1/2
 3/8 x ..9/16
 3/8 x ..3/4
 7/16 x ..3/4
 1/2 x ..21/32
 5/8 x ..1"
 3/4 x ..15/16
 29/32 x ..1-1/4



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Assortments

INTERNAL CIRCLIP KIT

BLACK

700 pieces Metric/Imperial
Ranging from 10mm (3/8")
to 40mm (1.5/8")

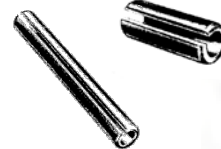
STAINLESS STEEL

150 pieces
Metric/Imperial
ranging from
10mm (3/8") to
40 mm (1.5/8")



METRIC TENSION PIN (Roll Pin) KIT

575 pieces ranging
from 2mm diameter
x 5mm long to 10mm
diameter x 40mm
long.



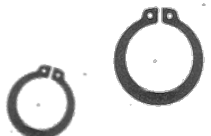
EXTERNAL CIRCLIP KIT

BLACK

795 pieces Metric/Imperial
ranging from 8mm (5/16") to 38mm
(1.1/2")

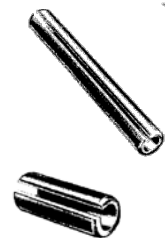
STAINLESS STEEL

150 pieces
Metric/Imperial
ranging from
8mm (5/16") to
38mm (1.1/2")



IMPERIAL TENSION PIN (Roll Pin) KIT

856 pieces ranging from 3/32"
diameter x 1/2" long to 1/2"
diameter x 1.1/2" long.



METRIC E'RING KIT

1,270 pieces ranging from 0.8mm
to 24mm.

IMPERIAL E'RING KIT

1,045 pieces ranging from .095"
to .580".



GREASE NIPPLE KIT

180 pieces in 9 different sizes
Straight and 90 Degree.

BSF1/4", BSF5/16", BSP1/4", BSP1/8",
SAE1/4", SAE5/16", 6mm, 8mm, 10mm.



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Assortments

INTERNAL TOOTH WASHER KIT

EXTERNAL TOOTH WASHER KIT

Both Kits contain
550 pieces

M5 (3/16")
M6 (1/4")
M8 (5/16")
M10 (3/8")
M12 (1/2")



COTTER PIN (Split Pin) KIT

150 pieces in 5 popular sizes

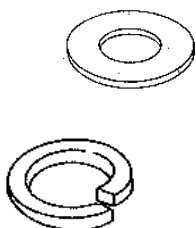
2.5 x 40mm
(3/32" x 1 1/2")
3.2 x 25mm
(1/8" x 1")
3.2 x 50mm
(1/8" x 2")
4 x 50mm
(5/32" x 2")
5 x 50mm
(3/16" x 2")



SPRING and FLAT WASHER KIT

270 pieces Bright Zinc Plated.

M5 (3/16")
M6 (1/4")
M8 (5/16")
M10 (3/8")
M12 (1/2")



CAPTIVE NUT (Speed Nut) KIT

800 pieces to suit screw sizes No 4 to No 12, plus 3/16" & 1/4" BSW.
Included are Push-on-Fixes for stud diameters 3/32" & 1/4".



STARLOCK PUSH-ON FIXING WASHERS KIT

A handy assortment kit comprising 1,130 pieces.

A mixture of the most popularly used metric and imperial, plain and capped retainers.

Common Applications: Golf buggy wheels, toys, lawnmowers etc.



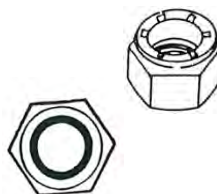
NYLON INSERT LOCKING NUT KITS

Three Kits available, each containing 125 pieces.

KIT No KNY2 (UNC Threads)
3/16", 1/4", 5/16", 3/8", 1/2".

KIT No KNY3 (METRIC Threads)
M5, M6, M8, M10, M12.

KIT No KNY4 (UNF Threads)
3/16", 1/4", 5/16", 3/8", 1/2".



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Assortments

O'RING KITS - NITRILE RUBBER

KIT No KO4 (IMPERIAL)
 350 pieces
 1/8" to 1.3/4" I.D.
KIT No KO5 (METRIC)
 408 pieces
 3mm to 50mm I.D.



LOCTITE **O-RING SPLICING KIT**

NEED AN O'RING IN
 A HURRY?
 LOCTITE'S O-RING
 KIT makes any
 O'Ring in seconds.

Eight cord
 diameters from
 2.6mm-10.2mm
 (3/32"-13/32")



NORMA

SL Series Fuel Hose Clips

Width	Clamp Range
9mm	6.8 - 9.1mm
9mm	8.7 - 11.1mm
9mm	10.7 - 13.2mm
9mm	12.6 - 15.2mm
9mm	14.6 - 17.2mm



SIL O'RING SPLICING KIT

An alternative to the genuine Loctite O'Ring
 Splicing Kit, containing a variety of cord
 sections, cutting jig and cement



Champion

In addition to our own Schrodoco Kits we also stock the Champion Assortments and Gee-Jay Grab Kits covering most Fastener Types, Clips, Pins, O'Rings etc



10 Tier Wire Stands available for wall or bench storage of Champion Plastic Kit Boxes



All kits are backed up with Replacement Packs



Champion Master Kits in Steel Boxes with Storage Cabinets offer a wider range in greater quantities



CONVERSION TABLE INCHES TO MILLIMETRES

Fractions	Inch	mm	Fractions	Inch	mm	Fractions	Inch	mm	Fractions	Inch	mm
-	.0004	.01	25/32	.781	19.844	-	2.165	55	3.11/16	3.6875	93.663
-	.004	.10	-	.7874	20	2.3/16	2.1875	55.563	-	3.7008	94
-	.01	.25	51/64	.797	20.241	-	2.2047	56	3.23/32	3.719	94.456
1/64	.0156	.397	13/16	.8125	20.638	2.7/32	2.219	56.356	-	3.7401	95
-	.0197	.50	-	.8268	21	-	2.244	57	3.3/4	3.750	95.250
-	.0295	.75	53/64	.828	21.034	2.1/4	2.250	57.150	-	3.7795	96
1/32	.03125	.794	27/32	.844	21.431	2.9/32	2.281	57.944	3.25/32	3.781	96.044
-	.0394	1	55/64	.859	21.828	-	2.2835	58	3.13/16	3.8125	96.838
3/64	.0469	1.191	-	.8661	22	2.5/16	2.312	58.738	-	3.8189	97
-	.059	1.5	7/8	.875	22.225	-	2.3228	59	3.27/32	3.844	97.631
1/16	.062	1.588	57/64	.8906	22.622	2.11/32	2.344	59.531	-	3.8583	98
5/64	.0781	1.984	-	.9055	23	-	2.3622	60	3.7/8	3.875	98.425
-	.0787	2	29/32	.9062	23.019	2.3/8	2.375	60.325	-	3.8976	99
3/32	.094	2.381	59/64	.922	23.416	-	2.4016	61	3.29/32	3.9062	99.219
-	.0984	2.5	15/16	.9375	23.813	2.13/32	2.406	61.119	-	3.9370	100
7/64	.109	2.778	-	.9449	24	2.7/16	2.438	61.913	3.15/16	3.9375	100.013
-	.1181	3	61/64	.953	24.209	-	2.4409	62	3.31/32	3.969	100.806
1/8	.125	3.175	31/32	.969	24.606	2.15/32	2.469	62.706	-	3.9764	101
-	.1378	3.5	-	.9843	25	-	2.4803	63	4	4.000	101.600
9/64	.141	3.572	63/64	.9844	25.003	2.1/2	2.500	63.500	4.1/16	4.062	103.188
5/32	.156	3.969	1	1.000	25.400	-	2.5197	64	4.1/8	4.125	104.775
-	.1575	4	-	1.0236	26	2.17/32	2.531	64.294	-	4.1338	105
11/64	.172	4.366	1.1/32	1.0312	26.194	-	2.559	65	4.3/16	4.1875	106.363
-	.177	4.5	1.1/16	1.062	26.988	2.9/16	2.562	65.088	4.1/4	4.250	107.950
3/16	.1875	4.763	-	1.063	27	2.19/32	2.594	65.881	4.5/16	4.312	109.538
-	.1969	5	1.3/32	1.094	27.781	-	2.5984	66	-	4.3307	110
13/64	.203	5.159	-	1.1024	28	2.5/8	2.625	66.675	4.3/8	4.375	111.125
-	.2165	5.5	1.1/8	1.125	28.575	-	2.638	67	4.7/16	4.438	112.713
7/32	.219	5.556	-	1.1417	29	2.21/32	2.656	67.469	4.1/2	4.500	114.300
15/64	.234	5.953	1.5/32	1.156	29.369	-	2.6772	68	-	4.5275	115
-	.2362	6	-	1.1811	30	2.11/16	2.6875	68.263	4.9/16	4.562	115.888
1/4	.250	6.350	1.3/16	1.1875	30.163	-	2.7165	69	4.5/8	4.625	117.475
-	.2559	6.5	1.7/32	1.219	30.956	2.23/32	2.719	69.056	4.11/16	4.6875	119.063
17/64	.2656	6.747	-	1.2205	31	2.3/4	2.750	69.850	-	4.7244	120
-	.2756	7	1.1/4	1.250	31.750	-	2.7559	70	4.3/4	4.750	120.650
9/32	.281	7.144	-	1.2598	32	2.25/32	2.781	70.6439	4.13/16	4.8125	122.238
-	.2953	7.5	1.9/32	1.281	32.544	-	2.7953	71	4.7/8	4.875	123.825
19/64	.297	7.541	-	1.2992	33	2.13/16	2.8125	71.4376	-	4.9212	125
5/16	.312	7.938	1.5/16	1.312	33.338	-	2.8346	72	4.15/16	4.9375	125.413
-	.315	8	-	1.3386	34	2.27/32	2.844	72.2314	5	5.000	127.000
21/64	.328	8.334	1.11/32	1.344	34.131	-	2.8740	73	-	5.1181	130
-	.335	8.5	1.3/8	1.375	34.925	2.7/8	2.875	73.025	5.1/4	5.250	133.350
11/32	.344	8.731	-	1.3779	35	2.29/32	2.9062	73.819	5.1/2	5.500	139.700
-	.3543	9	1.13/32	1.406	35.719	-	2.9134	74	-	5.5118	140
23/64	.359	9.128	-	1.4173	36	2.15/16	2.9375	74.613	5.3/4	5.750	146.050
-	.374	9.5	1.7/16	1.438	36.513	-	2.9527	75	-	5.9055	150
3/8	.375	9.525	-	1.4567	37	2.31/32	2.969	75.406	6	6.000	152.400
25/64	.391	9.922	1.15/32	1.469	37.306	-	2.9921	76	6.1/4	6.250	158.750
-	.3937	10	-	1.4961	38	3	3.000	76.200	-	6.2992	160
13/32	.406	10.319	1.1/2	1.500	38.100	3.1/32	3.0312	76.994	6.1/2	6.500	165.100
-	.413	10.5	1.17/32	1.531	38.894	-	3.0315	77	-	6.6929	170
27/64	.422	10.716	-	1.5354	39	3.1/16	3.062	77.788	6.3/4	6.750	171.450
-	.4331	11	1.9/16	1.562	39.688	-	3.0709	78	7	7.000	177.800
7/16	.438	11.113	-	1.5748	40	3.3/32	3.094	78.581	-	7.0866	180
29/64	.453	11.509	1.19/32	1.594	40.481	-	3.1102	79	-	7.4803	190
15/32	.469	11.906	-	1.6142	41	3.1/8	3.125	79.375	7.1/2	7.500	190.500
-	.4724	12	1.5/8	1.625	41.275	-	3.1496	80	-	7.8740	200
31/64	.484	12.303	-	1.6535	42	3.5/32	3.156	80.169	8	8.000	203.200
-	.492	12.5	1.21/32	1.6562	42.069	3.3/16	3.1875	80.963	-	8.2677	210
1/2	.500	12.700	1.11/16	1.6875	42.863	-	3.1890	81	8.1/2	8.600	215.900
-	.5118	13	-	1.6929	43	3.7/32	3.219	81.756	-	8.6614	220
33/64	.5156	13.097	1.23/32	1.719	43.656	-	3.2283	82	9	9.000	228.600
17/32	.531	13.491	-	1.7323	44	3.1/4	3.250	82.550	-	9.0551	230
35/64	.547	13.894	1.3/4	1.750	44.450	-	3.2677	83	-	9.4488	240
-	.5512	14	-	1.7717	45	3.9/32	3.281	83.344	9.1/2	9.500	241.300
9/16	.563	14.288	1.25/32	1.781	45.244	-	3.3071	84	-	9.8425	250
-	.571	14.5	-	1.8110	46	3.5/16	3.312	84.1377	10	10.000	254.001
37/64	.578	14.684	1.13/16	1.8125	46.038	3.11/32	3.344	84.9314	-	10.2362	260
-	.5906	15	1.27/32	1.844	46.831	-	3.3464	85	-	10.6299	270
19/32	.594	15.081	-	1.8504	47	3.3/8	3.375	85.725	11	11.000	279.401
39/64	.609	15.478	1.7/8	1.875	47.625	-	3.3858	86	-	11.0236	280
5/8	.625	15.875	-	1.8898	48	3.13/32	3.406	86.519	-	11.4173	290
-	.6299	16	1.29/32	1.9062	48.419	-	3.4252	87	-	11.8110	300
41/64	.6406	16.272	-	1.9291	49	3.7/16	3.438	87.313	12	12.000	304.801
-	.6496	16.5	1.15/16	1.9375	49.213	-	3.4646	88	13	13.000	330.201
21/32	.656	16.669	-	1.9685	50	3.15/32	3.469	88.106	-	13.7795	350
-	.6693	17	1.31/32	1.969	50.006	3.1/2	3.500	88.900	14	14.000	355.601
43/64	.672	17.066	2	2.000	50.800	-	3.5039	89	15	15.000	381.001
11/16	.6875	17.463	-	2.0079	51	3.17/32	3.531	89.694	-	15.7480	400
45/64	.703	17.859	2.1/32	2.03125	51.594	-	3.5433	90	16	16.000	406.401
-	.7087	18	-	2.0472	52	3.9/16	3.562	90.4877	17	17.000	431.801
23/32	.719	18.256	2.1/16	2.062	52.388	-	3.5827	91	-	17.7165	450
-	.7283	18.5	-	2.0866	53	3.19/32	3.594	91.281	18	18.000	457.201
47/64	.734	18.653	2.3/32	2.094	53.181	-	3.622	92	19	19.000	482.601
-	.7480	19	2.1/8	2.125	53.975	3.5/8	3.625	92.075	-	19.6850	500
3/4	.750	19.050	-	2.126	54	3.21/32	3.656	92.869	20	20.000	508.001
49/64	.7658	19.447	2.5/32	2.156	54.769	-	3.6614	93	-	-	-

DRILL AND TAPPING CHART

METRIC ISO COARSE

60° thread form

Size mm	Pitch mm	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
2.0	0.40	1.65		1.6	1/16
2.5	0.45	2.1		2.05	
3.0	0.50	2.55		2.5	
3.5	0.60	2.95		2.9	
4.0	0.70	3.4		3.3	
4.5	0.75	3.8		3.7	
5.0	0.80	4.3	11/64	4.2	
6.0	1.00	5.1	13/64	5.0	
7.0	1.00	6.1		6.0	15/64
8.0	1.25	6.9		6.8	17/64
9.0	1.25	7.9	5/16	7.8	
10.0	1.50	8.6	11/32	8.5	
11.0	1.50			9.5	3/8
12.0	1.75		13/32	10.2	
14.0	2.00	12.2	31/64	12.0	15/32
16.0	2.00	14.25	9/16	14.0	35/64
18.0	2.50	15.75		15.5	39/64
20.0	2.50		45/64	17.5	11/16
22.0	2.50		25/32	19.5	49/64
24.0	3.00			21.0	53/64
27.0	3.00		61/64	24.0	15/16
30.0	3.50			26.5	1-3/64
33.0	3.50		1-11/64	29.5	1-5/32
36.0	4.0		1-17/64	32.0	1-1/4

METRIC ISO FINE

60° thread form

Size mm	Pitch mm	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
8.0	1.00	7.1	9/32	7.0	
10.0	1.25	8.9		8.8	11/32
12.0	1.50		27/64	10.5	
14.0	1.50		1/2	12.5	
16.0	1.50	14.75	37/64	14.5	
18.0	1.50		21/32	16.5	
20.0	1.50		47/64	18.5	
22.0	1.50		13/16	20.5	
24.0	2.00		7/8	22.0	

BSW WHITWORTH*

55° thread form

Size inch	Threads per inch	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
1/16"	60	1.2	3/64	1.05	
3/32"	48	1.9		1.75	
1/8"	40	2.55		2.5	3/32
5/32"	32	3.2	1/8	2.95	
3/16"	24	3.7		3.6	9/64
7/32"	24	4.5		4.3	11/64
1/4"	20	5.1		5.0	3/16
5/16"	18	6.5		6.4	1/4
3/8"	16	7.9	5/16	7.8	19/64
7/16"	14	9.5		9.2	23/64
1/2"	12	10.5			13/32
9/16"	12			12.0	15/32
5/8"	11	13.5	17/32		33/64
3/4"	10	16.5	41/64	16.0	5/8
7/8"	9		3/4	19.0	47/64
1"	8	22.0	55/64		27/32
1-1/8"	7		31/32	24.5	61/64
1-1/4"	7	28.0	1-3/32	27.5	1-5/64
1-1/2"	6	33.5	1-5/16	33.0	1-19/64
1-3/4"	5	39.0	1-17/32	38.5	1-33/64
2"	4-1/2	44.5	1-49/64	44.0	1-3/4

UNF UNS*

60° thread form

Size inch	Threads per inch	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
No. 5	44	2.7		2.65	
No. 6	40	2.95		2.9	
No. 8	36	3.6	9/64	3.5	
No. 10	32	4.1		4.0	5/32
No. 12	28	4.7		4.6	
1/8"	40	2.65		2.6	
5/32"	32	3.3		3.1	1/8
3/16"	32	4.1		3.9	5/32
7/32"	32	4.9		4.8	3/16
1/4"	28	5.5	7/32	5.4	
5/16"	24	6.9		6.8	
3/8"	24	8.5		8.4	
7/16"	20	10.0	25/64	9.8	
1/2"	20	11.5	29/64		
9/16"	18		33/64	12.8	
5/8"	18	14.5	37/64		
11/16"	16	16.0	5/8	15.75	
3/4"	16	17.5	11/16		
13/16"	16		3/4	19.0	
7/8"	14		13/16	20.5	
1"	12	23.5	59/64		
1 1/8"	12		15/16	23.5	
1 1/4"	12	26.5	1-3/64		
1 1/2"	12		1-11/64	29.5	
1 3/4"	12	33.0	1-19/64		
1 1/2"	12	36.0	1-27/64		

UNC UNS*

60° thread form

Size inch	Threads per inch	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
No. 2	56	1.85		1.8	
No. 3	48	2.1		2.05	5/64
No. 4	40	2.35	3/32	2.3	
No. 5	40	2.65		2.6	
No. 6	32	2.85		2.8	7/64
No. 8	32	3.5		3.4	
No. 10	24	3.9	5/32	3.8	
No. 12	24	4.5		4.4	11/64
1/8"	40	2.65		2.6	
5/32"	32	3.3		3.1	1/8
3/16"	24	3.8		3.7	
7/32"	24	4.6		4.5	
1/4"	20	5.2	13/64	5.1	
5/16"	18	6.6	17/64	6.5	1/4
3/8"	16	8.1		8.0	5/16
7/16"	14	9.5	3/8		23/64
1/2"	13	11.0		10.8	27/64
9/16"	12	12.2	31/64		
5/8"	11	13.8	35/64	13.5	17/32
11/16"	11	15.25		15.0	19/32
3/4"	10		21/32	16.5	41/64
13/64"	10		23/32	18.0	
7/8"	9	19.5	49/64		
1"	8		7/8	22.5	
1-1/8"	7			25.0	63/64
1-1/4"	7		1-7/64	28.0	
1-3/8"	6	31.0	1-7/32		1-13/64
1-1/2"	6		1-11/32	34.0	1-21/64

DRILL AND TAPPING CHART

BSF

55° thread form

Size inch	Threads per inch	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
3/16	32	4.0	5/32	3.9	
1/4	26	5.3		5.2	13/64
5/16	22	6.8	17/64	6.7	
3/8	20	8.3	21/64	8.2	5/16
7/16	18			9.5	3/8
1/2	16		7/16	11.0	27/64
9/16	16		1/2	12.5	31/64
5/8	14	14.0	35/64	13.8	17/32
3/4	12			16.5	21/32
7/8	11		25/32	19.5	49/64
1	10		57/64	22.5	7/8
1-1/4	9	28.5	1-1/8		1-7/64
1-1/2	8	34.5	1-23/64		1-11/32
1-3/4	7	40.5	1-19/32	40.0	1-37/64

BA

47.5° thread form

Size	Pitch mm	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
0	1.00	5.1	13/64	5.0	
1	.090	4.5		4.4	11/64
2	0.81	4.0	5/32	3.9	
3	0.73	3.4		3.3	
4	0.66	3.0		2.95	
5	0.59	2.7		2.6	
6	0.53	2.35		2.25	
7	0.48	2.1		2.0	5/64
8	0.43	1.8		1.75	
9	0.39	1.55		1.5	
10	0.35	1.4		1.35	
11	0.31	1.2	3/64	1.15	
12	0.28	1.05		1.0	

Metric Conduit

60° thread form

Size mm	Pitch mm	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
16	1.5	14.75	37/64	14.5	
20	1.5		47/64	18.5	
25	1.5			23.5	59/64
32	1.5		1-13/64	30.5	
40	1.5			38.5	1-33/64
50	1.5			48.5	1-29/32

BS Conduit

55° thread form

Size inch	Threads per inch	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
5/8	18			14.25	9/16
3/4	16			17.0	43/64
1	16			23.5	59/64
1-1/4	16			30.0	1-11/64
1-1/2	14			36.0	
2	14			48.5	

Spark Plug

60° thread form

Size mm	Pitch mm	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
10.0	1.00		23/64	9.0	
12.0	1.25	10.5			13/32
14.0	1.25	12.5			
18.0	1.50		41/64		

NPT (Taper Pipe)

60° thread form

Size inch	Thread per inch	TAPPING DRILL SIZES			
		WITH REAMER		WITHOUT REAMER	
		mm	inch	mm	inch
1/8	27	8.3	21/64	8.4	
1/4	18	10.8	27/64	11.2	7/16
3/8	18	14.25	9/16	14.25	9/16
1/2	14	17.5	11/16		45/64
3/4	14	22.5	57/64	23.0	29/32
1	11-1/2	28.5	1-1/8	29.0	1-9/64
1-1/4	11-1/2	37.0	1-15/32	37.5	1-31/64
1-1/2	11-1/2	43.5	1-23/32	44.0	1-47/64
2	11-1/2		2-3/16		2-13/64

NPS (Parallel Pipe)

60° thread form

Size inch	Threads per inch	TAPPING DRILL SIZES			
		NPSC		NPSM	
		mm	inch	mm	inch
1/8	27	8.7	11/32	9.2	23/64
1/4	18	11.2	7/16	12.0	15/32
3/8	18	14.75	37/64	15.5	39/64
1/2	14	18.0	23/32	19.0	3/4

NPSC - Pressure tight coupling thread. NPSM - Mechanical fastening thread

Brass

55° thread form

Size inch	Threads per inch	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
1/4	26	5.3		5.2	13/64
5/16	26	6.9		6.8	17/64
3/8	26	8.5		8.4	21/64
7/16	26	10.2		10.0	25/64
1/2	26	11.8		11.5	29/64
9/16	26	13.2			33/64
5/8	26			14.75	37/64
3/4	26	18.0			45/64
7/8	26			21.0	53/64
1	26	24.5			61/64

BSPT (Taper Pipe)

55° thread form

Size inch	Thread per inch	TAPPING DRILL SIZES			
		WITH REAMER		WITHOUT REAMER	
		mm	inch	mm	inch
1/8	28	8.0	5/16	8.4	21/64
1/4	19	10.8	27/64	11.2	7/16
3/8	19	14.25	9/16	14.75	37/64
1/2	14		45/64		23/32
3/4	14	23.0	29/32		15/16
1	11	29.0	1-9/64	30.0	1-11/64
1-1/4	11	37.5	1-15/32	38.5	1-33/64
1-1/2	11	43.5	1-23/32	44.5	1-3/4
2	11		2-5/32		2-3/16

BSPF (Parallel Pipe)

55° thread form

Size inch	Threads per inch	TAPPING DRILL SIZES			
		PREFERRED		ALTERNATIVE	
		mm	inch	mm	inch
1/8	28	8.8		8.7	11/32
1/4	19	11.8	15/32	11.5	29/64
3/8	19	15.25		15.0	19/32
1/2	14	19.0	3/4		47/64
5/8	14	21.0	53/64		13/16
3/4	14	24.5	31/32		61/64
7/8	14		1-7/64	28.0	
1	11		1-7/32	30.5	
1-1/4	11	39.5	1-35/64	39.0	
1-1/2	11	45.5	1-25/32	46.0	1-49/64
2	11		2-1/4		
2-1/2	11		2-27/32		
3	11	Hole size 3.369 - 3.344 inch			