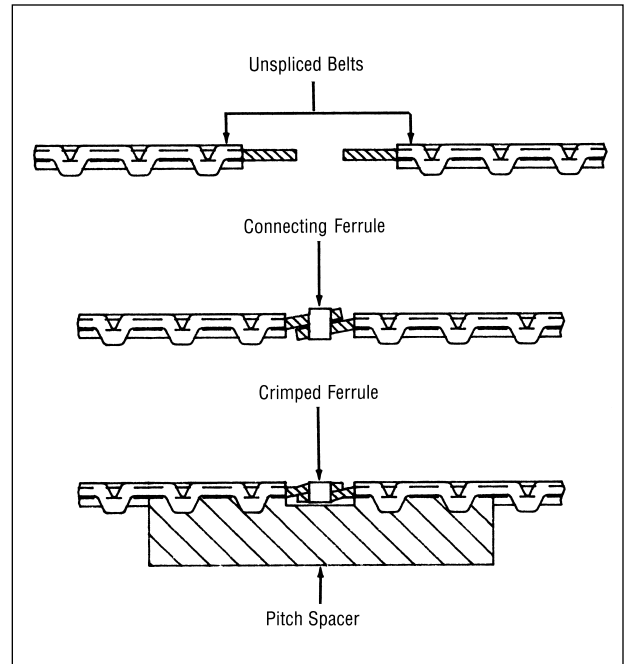


BELT SPLICING KIT



Belt splicing in the field is possible for NO-SLIP & NO-SLIDE positioning and timing belts when the appropriate splicing kit is used. Part numbers for these kits can be found on each No-Slip — No-Slide belt specification page or in the table below. In addition to containing a crimp tool & die set, positioning holddown rack and cable cutter; detailed procedures define the five basic steps to assure a correct splice. These steps are:

1. Cut belt to desired length
2. Remove polyurethane from each end
3. Insert ends into ferrule
4. Position belt into holddown feature
5. Crimp

When extra ferrules are required they may be ordered as follows:

Cable Size	Ferrule Part Number
.018" Diameter	FER018
.032" Diameter	FER032
.047" Diameter	FER047

Note: Because factory crimps use highly controlled pneumatic equipment and, in some cases polyurethane overmolding, field crimps result in loads that are 50% of the catalog ratings.

Field Belt Splicing Kit

Belt Series Number	Kit Part Number	Crimp Plier Part Number	Crimp Die Part Number	Hobby Knife Part Number	Stripper Cutter Part Number	Ferrules* Part Number	Position Rack & Hold Down Part Number	Flush** Cutter Part Number
FS / FA	F-SK	TL-91	TL-89	TL-86	TL-87	FER032	TL-70-71	—
FLS / FLA	FL-SK	TL-91	TL-89	TL-86	TL-87	FER032	TL-76-77	—
FMS / FMA	FM-SK	TL-91	TL-89	TL-86	TL-87	FER032	TL-78-79	—
FRS / FRA	FR-SK	TL-91	TL-89	TL-86	TL-87	FER032	TL-80-81	—
F8BS	F8B-SK	TL-91	TL-90	TL-86	TL-87	FER018	TL-62-63	—
F20BS / F20BA	F20B-SK	TL-91	TL-89	TL-86	TL-87	FER032	TL-60-61	TL-32
F20TS	F20T-SK	TL-91	TL-89	TL-86	TL-87	FER032	TL-66-67	—
F24CS / F24CA	F24C-SK	TL-91	TL-89	TL-86	TL-87	FER032	TL-72-73	—
F25CS / F25CA	F25C-SK	TL-91	TL-89	TL-86	TL-87	FER032	TL-74-75	TL-32
F32BS18	F32B18-SK	TL-91	TL-90	TL-86	TL-87	FER018	TL-70-71	—
F32CS / F32CA	F32C-SK	TL-91	TL-90	TL-86	TL-87	FER018	TL-68-69	—
F37BS	F37B-SK	TL-91	TL-88	TL-86	TL-87	FER047	TL-64-65	TL-32

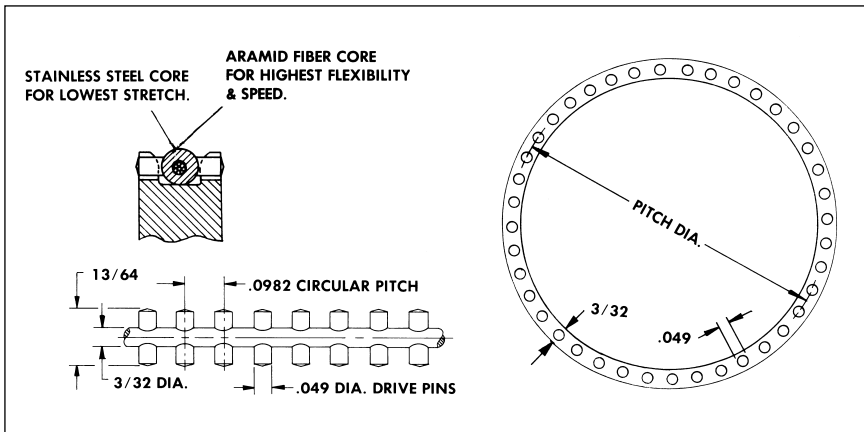
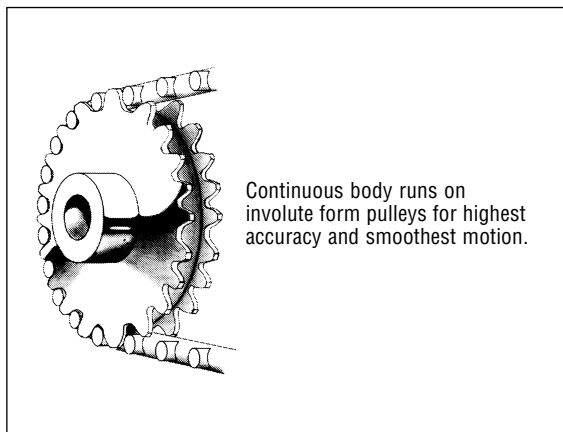
Notes:

* Twenty (20) ferrules included in each kit.

** Heavy duty cutter supplied as indicated - can be ordered as option for other kits.

NO-SLIP POSITIVE DRIVE BELT - ULTRA PRECISION

32DP, .0982CP — Single Core



Material:

FA Series: Molded Polyurethane, .032" diameter Aramid Fiber Core (Kevlar). Color: Blue

FS Series: Molded Polyurethane, .032" diameter Stainless Steel Core. Color: Blue

Number of Drive Pins	Length (Ref.)	Part No. Aramid Core	Part No. Steel Core
64	6.283	FA-64	FS-64
80	7.854	FA-80	FS-80
95	9.327	FA-95	FS-95
112	10.996	FA-112	FS-112
126	12.370	FA-126	FS-126
128	12.566	FA-128	FS-128
144	14.137	FA-144	FS-144
158	15.512	FA-158	FS-158
176	17.279	FA-176	FS-176
189	18.557	FA-189	FS-189
208	20.420	FA-208	FS-208
220	21.598	FA-220	FS-220
240	23.562	FA-240	FS-240
252	24.740	FA-252	FS-252
272	26.704	FA-272	FS-272
283	27.784	FA-283	FS-283
304	29.845	FA-304	FS-304
315	30.923	FA-315	FS-315
336	32.987	FA-336	FS-336
346	33.967	FA-346	FS-346
368	36.128	FA-368	FS-368
377	37.011	FA-377	FS-377
400	39.270	FA-400	FS-400
408	40.055	FA-408	FS-408
432	42.412	FA-432	FS-432

Number of Drive Pins	Length (Ref.)	Part No. Aramid Core	Part No. Steel Core
440	43.197	FA-440	FS-440
464	45.553	FA-464	FS-464
471	46.238	FA-471	FS-471
480	47.124	FA-480	FS-480
496	48.695	FA-496	FS-496
512	50.265	FA-512	FS-512
528	51.836	FA-528	FS-528
544	53.407	FA-544	FS-544
560	54.978	FA-560	FS-560
576	56.549	FA-576	FS-576
592	58.120	FA-592	FS-592
608	59.690	FA-608	FS-608
624	61.261	FA-624	FS-624
640	62.832	FA-640	FS-640
656	64.402	FA-656	FS-656
672	65.973	FA-672	FS-672
688	67.544	FA-688	FS-688
704	69.115	FA-704	FS-704
720	70.686	FA-720	FS-720
736	72.257	FA-736	FS-736
752	73.827	FA-752	FS-752
768	75.398	FA-768	FS-768
784	76.969	FA-784	FS-784
800	78.540	FA-800	FS-800
—	—	—	—

Bulk Lengths — Not Spliced

Length	Aramid Core Part Number	Steel Core Part Number
5 Ft	FA-5FT	FS-5FT
10 Ft	FA-10FT	FS-10FT
25 Ft	FA-25FT	FS-25FT
50 Ft	FA-50FT	FS-50FT

For field splicing use Kit F-SK.
See page 5-5.

For other length belts longer than the minimum listed, substitute the desired number of drive pins at the end of the part number.

32DP (.0982 CP) ORIGINAL SINGLE CORE NO-SLIP BELTS — SERIES FA & FS

Smoothest motion, highest accuracy. Continuous molded body runs on precision, involute form pulleys. Fine pitch results in greatest number of teeth engaged. Single core permits non-parallel or right angle shafts position. Recommended for highest accuracy, lower load applications such as encoders and measuring devices.

INCREASED FLEXIBILITY OPTION

For those applications requiring the greatest flexibility at a reduced load, PIC Design has this belt available with a .018" diameter stainless steel core. The part number is F32BS18-□□□. Where □□□ is the number of drive pins. Example: Part Number for 144 drive pins is F32BS18-144.

Bulk Lengths — Not Spliced

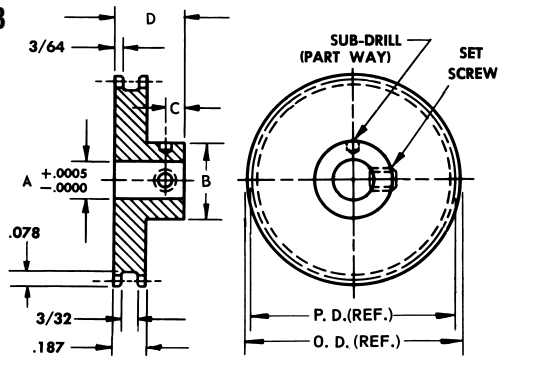
Length	Steel Core Part Number
5 Ft	F32BS18-5FT
10 Ft	F32BS18-10FT
25 Ft	F32BS18-25FT
50 Ft	F32BS18-50FT

For field splicing use Kit F-SK.
See page 5-5.

NO-SLIP PULLEYS

32DP, .0982CP — For FA, FS & F32BS18 No-Slip Single Core Drive Belts

PIN HUB



Dimen.	Bore				
	1/8	3/16	1/4	4 mm	6 mm
A	.1248	.1873	.2498	.1573	.2360
B	.312	.375	.500	.375	.500
C	.09	.11	.12	.11	.12
D	.375	.406	.437	.406	.437
Set Screw	#2-56	#4-40	#6-32	M2 x .4	M3 x .5

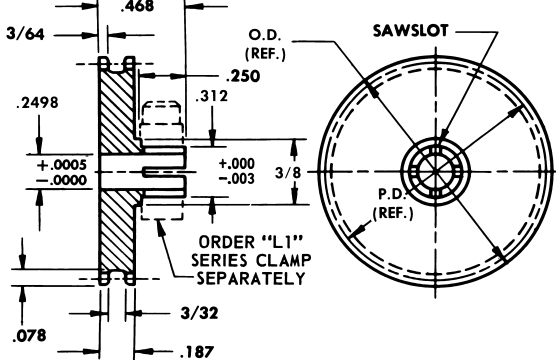
Material: 303 Stainless Steel
2024-T4 Aluminum (Anodized before cutting)

Geared Pulley Data			Stainless Steel Bore Size / Part Number					Aluminum Bore Size / Part Number				
No. Teeth	P.D.	O.D.	.1248	.1873	.2498	4mm	6mm	.1248	.1873	.2498	4mm	6mm
14 *	.4375	.500	FC1-14	—	—	—	—	FC2-14	—	—	—	—
15 *	.4687	.531	FC1-15	FC3-15	—	MGP1-15	—	FC2-15	FC4-15	—	MGP2-15	—
16	.5000	.563	FC1-16	FC3-16	—	MGP1-16	—	FC2-16	FC4-16	—	MGP2-16	—
18	.5625	.625	FC1-18	FC3-18	—	MGP1-18	—	FC2-18	FC4-18	—	MGP2-18	—
20	.6250	.688	FC1-20	FC3-20	FC5-20	MGP1-20	MGP3-20	FC2-20	FC4-20	FC6-20	MGP2-20	MGP4-20
22	.6875	.750	FC1-22	FC3-22	FC5-22	MGP1-22	MGP3-22	FC2-22	FC4-22	FC6-22	MGP2-22	MGP4-22
24	.7500	.813	FC1-24	FC3-24	FC5-24	MGP1-24	MGP3-24	FC2-24	FC4-24	FC6-24	MGP2-24	MGP4-24
26	.8125	.875	FC1-26	FC3-26	FC5-26	MGP1-26	MGP3-26	FC2-26	FC4-26	FC6-26	MGP2-26	MGP4-26
28	.8750	.938	FC1-28	FC3-28	FC5-28	MGP1-28	MGP3-28	FC2-28	FC4-28	FC6-28	MGP2-28	MGP4-28
30	.9375	1.000	FC1-30	FC3-30	FC5-30	MGP1-30	MGP3-30	FC2-30	FC4-30	FC6-30	MGP2-30	MGP4-30
32	1.0000	1.063	FC1-32	FC3-32	FC5-32	MGP1-32	MGP3-32	FC2-32	FC4-32	FC6-32	MGP2-32	MGP4-32
36	1.1250	1.188	FC1-36	FC3-36	FC5-36	MGP1-36	MGP3-36	FC2-36	FC4-36	FC6-36	MGP2-36	MGP4-36
40	1.2500	1.313	FC1-40	FC3-40	FC5-40	MGP1-40	MGP3-40	FC2-40	FC4-40	FC6-40	MGP2-40	MGP4-40
48	1.5000	1.563	FC1-48	FC3-48	FC5-48	MGP1-48	MGP3-48	FC2-48	FC4-48	FC6-48	MGP2-48	MGP4-48
56	1.7500	1.813	FC1-56	FC3-56	FC5-56	MGP1-56	MGP3-56	FC2-56	FC4-56	FC6-56	MGP2-56	MGP4-56
64	2.0000	2.063	FC1-64	FC3-64	FC5-64	MGP1-64	MGP3-64	FC2-64	FC4-64	FC6-64	MGP2-64	MGP4-64
72	2.2500	2.313	FC1-72	FC3-72	FC5-72	MGP1-72	MGP3-72	FC2-72	FC4-72	FC6-72	MGP2-72	MGP4-72
80	2.5000	2.563	—	FC3-80	FC5-80	MGP1-80	MGP3-80	—	FC4-80	FC6-80	MGP2-80	MGP4-80
88	2.7500	2.813	—	FC3-88	FC5-88	MGP1-88	MGP3-88	—	FC4-88	FC6-88	MGP2-88	MGP4-88
96	3.0000	3.063	—	FC3-96	FC5-96	MGP1-96	MGP3-96	—	FC4-96	FC6-96	MGP2-96	MGP4-96
112	3.5000	3.563	—	FC3-112	FC5-112	MGP1-112	MGP3-112	—	FC4-112	FC6-112	MGP2-112	MGP4-112
128	4.0000	4.063	—	FC3-128	FC5-128	MGP1-128	MGP3-128	—	FC4-128	FC6-128	MGP2-128	MGP4-128

* Recommended for use as an idler only

See Note Below.

SPLIT HUB



Note:

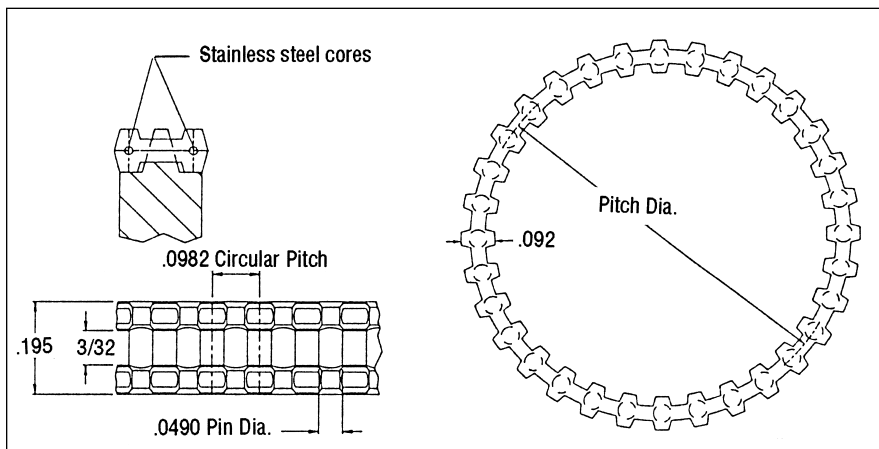
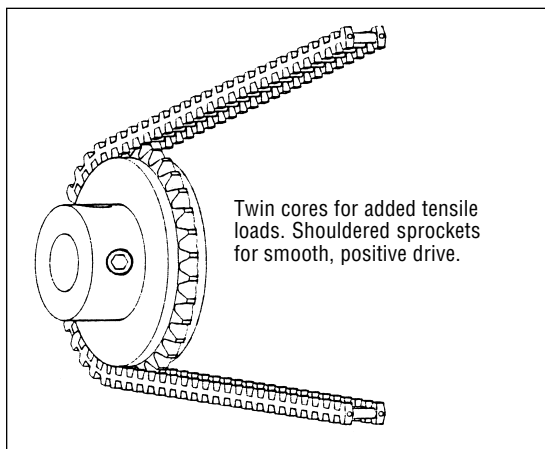
Other Size Bores Available, Consult Factory.
For unlisted number of teeth, specify the number of teeth desired as the last figure in the part number.
EXAMPLE: For a 52-tooth stainless steel pulley, specify Part Number: FD5-52.
For number of teeth above or below listed sizes, consult factory.

Pulley Data			Stainless Steel .2498 Bore Part No.	Aluminum .2498 Bore Part No.
No. Teeth	P.D.	O.D.		
14 *	.4375	.500	FD5-14	FD6-14
15 *	.4687	.531	FD5-15	FD6-15
16	.5000	.563	FD5-16	FD6-16
18	.5625	.625	FD5-18	FD6-18
20	.6250	.688	FD5-20	FD6-20
22	.6875	.750	FD5-22	FD6-22
24	.7500	.813	FD5-24	FD6-24
26	.8125	.875	FD5-26	FD6-26
28	.8750	.938	FD5-28	FD6-28
30	.9375	1.000	FD5-30	FD6-30
32	1.0000	1.063	FD5-32	FD6-32
36	1.1250	1.188	FD5-36	FD6-36
40	1.2500	1.313	FD5-40	FD6-40
48	1.5000	1.563	FD5-48	FD6-48
56	1.7500	1.813	FD5-56	FD6-56
64	2.0000	2.063	FD5-64	FD6-64
72	2.2500	2.313	FD5-72	FD6-72

* Recommended for use as an idler only

NO-SLIP POSITIVE DRIVE BELT

32DP, .0982 CP — Twin Core



Material: F32CS Series: Molded Polyurethane, .018" diameter Stainless Steel Cores.

Color: Blue

Number of Drive Pins	Length (Ref.)	Part No.	Number of Drive Pins	Length (Ref.)	Part No.
42	4.124	F32CS-42	252	24.746	F32CS-252
49	4.812	F32CS-49	272	26.710	F32CS-272
52	5.106	F32CS-52	283	27.791	F32CS-283
53	5.205	F32CS-53	304	29.853	F32CS-304
64	6.285	F32CS-64	315	30.933	F32CS-315
67	6.579	F32CS-67	336	32.955	F32CS-336
75	7.365	F32CS-75	346	33.977	F32CS-346
80	7.856	F32CS-80	377	37.021	F32CS-377
95	9.329	F32CS-95	400	39.280	F32CS-400
112	10.998	F32CS-112	408	40.066	F32CS-408
126	12.373	F32CS-126	432	42.422	F32CS-432
128	12.570	F32CS-128	440	43.208	F32CS-440
144	14.141	F32CS-144	464	45.565	F32CS-464
158	15.516	F32CS-158	471	46.252	F32CS-471
176	17.283	F32CS-176	480	47.136	F32CS-480
189	18.560	F32CS-189	512	50.278	F32CS-512
208	20.426	F32CS-208	544	53.421	F32CS-544
220	21.604	F32CS-220	592	58.134	F32CS-592
240	23.568	F32CS-240	608	59.706	F32CS-608

For other length belts longer than the minimum listed, substitute the desired number of drive pins at the end of the part number.

Bulk Lengths — Not Spliced

Length	Part Number
5 Ft	F32CS-5FT
10 Ft	F32CS-10FT
25 Ft	F32CS-25FT
50 Ft	F32CS-50FT
100 Ft	F32CS-100FT

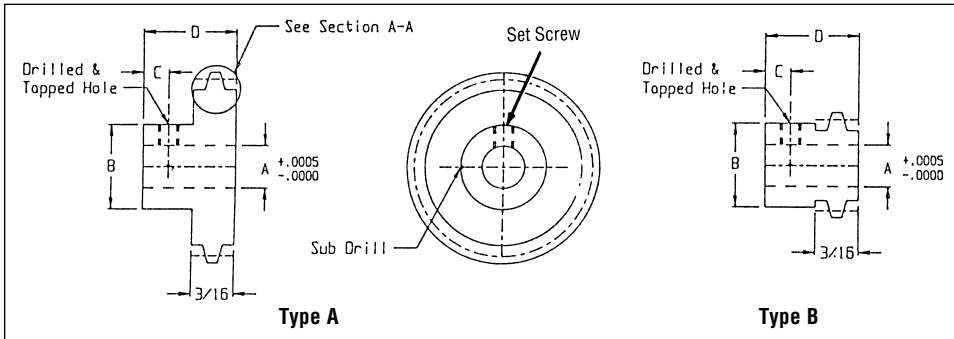
For field splicing use Kit F32C-SK. See page 5-5.

32DP (.0982 CP) TWIN CORE NO-SLIP BELTS — SERIES F32CS

Smoothest motion, highest accuracy. This belt runs on precision sprockets. Fine pitch results in greatest number of teeth engaged. Twin core offers added strength for higher loads.

NO-SLIP SPROCKETS

32DP, .0982CP — For F32 No-Slip Drive Belts



Dimen.	Bore Size				
	1/8"	3/16"	1/4"	4 mm	6 mm
A	.1248	.1873	.2498	.1573	.2360
B	.312	.375	.500	.375	.500
C	.09	.11	.12	.11	.12
D	.375	.406	.437	.406	.437
Set Screw	#2-56	#4-40	#6-32	M2X.4	M3X.5

Material: 303 Stainless Steel
2024-T4 Aluminum
(Anodized Before Cutting)

Hub Style

Type	No. of Teeth	Pitch Dia.	Outside Dia.	Stainless Steel Part No.			Aluminum Part No.		
				.1248	.1873	.2498	.1248	.1873	.2498
B	12 *	.3750	.437	F32G1-12	—	—	F32G2-12	—	—
B	13 *	.4062	.468	F32G1-13	F32G3-13	—	F32G2-13	F32G4-13	—
B	14 *	.4375	.500	F32G1-14	F32G3-14	F32G5-14 **	F32G2-14	F32G4-14	F32G6-14 **
A	15 *	.4687	.531	F32G1-15	F32G3-15	F32G5-15 **	F32G2-15	F32G4-15	F32G6-15 **
A	16 *	.5000	.562	F32G1-16	F32G3-16	F32G5-16 **	F32G2-16	F32G4-16	F32G6-16 **
A	18	.5625	.625	F32G1-18	F32G3-18	F32G5-18 **	F32G2-18	F32G4-18	F32G6-18 **
A	20	.6250	.687	F32G1-20	F32G3-20	F32G5-20	F32G2-20	F32G4-20	F32G6-20
A	22	.6875	.750	F32G1-22	F32G3-22	F32G5-22	F32G2-22	F32G4-22	F32G6-22
A	24	.7500	.812	F32G1-24	F32G3-24	F32G5-24	F32G2-24	F32G4-24	F32G6-24
A	26	.8125	.875	F32G1-26	F32G3-26	F32G5-26	F32G2-26	F32G4-26	F32G6-26
A	28	.8750	.937	F32G1-28	F32G3-28	F32G5-28	F32G2-28	F32G4-28	F32G6-28
A	30	.9375	1.000	F32G1-30	F32G3-30	F32G5-30	F32G2-30	F32G4-30	F32G6-30
A	32	1.0000	1.062	F32G1-32	F32G3-32	F32G5-32	F32G2-32	F32G4-32	F32G6-32
A	36	1.1250	1.187	F32G1-36	F32G3-36	F32G5-36	F32G2-36	F32G4-36	F32G6-36
A	40	1.2500	1.312	F32G1-40	F32G3-40	F32G5-40	F32G2-40	F32G4-40	F32G6-40
A	48	1.5000	1.562	F32G1-48	F32G3-48	F32G5-48	F32G2-48	F32G4-48	F32G6-48
A	56	1.7500	1.812	F32G1-56	F32G3-56	F32G5-56	F32G2-56	F32G4-56	F32G6-56
A	64	2.0000	2.062	F32G1-64	F32G3-64	F32G5-64	F32G2-64	F32G4-64	F32G6-64
A	72	2.2500	2.312	F32G1-72	F32G3-72	F32G5-72	F32G2-72	F32G4-72	F32G6-72
A	80	2.5000	2.562	F32G1-80	F32G3-80	F32G5-80	F32G2-80	F32G4-80	F32G6-80
A	88	2.7500	2.812	F32G1-88	F32G3-88	F32G5-88	F32G2-88	F32G4-88	F32G6-88
A	96	3.0000	3.062	F32G1-96	F32G3-96	F32G5-96	F32G2-96	F32G4-96	F32G6-96
A	112	3.5000	3.562	F32G1-112	F32G3-112	F32G5-112	F32G2-112	F32G4-112	F32G6-112
A	128	4.0000	4.062	F32G1-128	F32G3-128	F32G5-128	F32G2-128	F32G4-128	F32G6-128

* Recommended for use as an idler only

** Type "B" Sprocket Style

See Note Below.

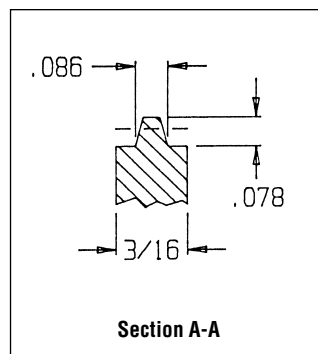
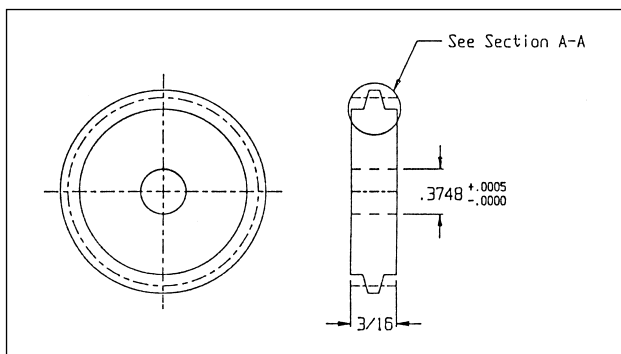
For Metric Bores:

Bore	Stainless Steel	Aluminum
4 mm	MF32G1-XX	MF32G2-XX
6 mm	MF32G3-XX	MF32G4-XX

XX = Number of grooves

Hubless Style

No of Teeth	Pitch Dia.	Outside Dia.	Stainless Steel Part No.	Aluminum Part No.
32	1.0000	1.062	F32J1-32	F32J2-32
36	1.1250	1.187	F32J1-36	F32J2-36
40	1.2500	1.312	F32J1-40	F32J2-40
48	1.5000	1.562	F32J1-48	F32J2-48
50	1.5625	1.625	F32J1-50	F32J2-50
56	1.7500	1.812	F32J1-56	F32J2-56
64	2.0000	2.062	F32J1-64	F32J2-64
72	2.2500	2.312	F32J1-72	F32J2-72
80	2.5000	2.562	F32J1-80	F32J2-80
88	2.7500	2.812	F32J1-88	F32J2-88
90	2.8125	2.875	F32J1-90	F32J2-90
96	3.0000	3.062	F32J1-96	F32J2-96
100	3.1250	3.187	F32J1-100	F32J2-100
112	3.5000	3.562	F32J1-112	F32J2-112
120	3.7500	3.812	F32J1-120	F32J2-120
128	4.0000	4.062	F32J1-128	F32J2-128



Note:

Other Size Bores Available, Consult Factory.

For unlisted number of teeth, specify the number of teeth desired as the last figure in the part number.

EXAMPLE: For a 52-tooth stainless steel sprocket, specify Part Number: F32G5-52.

For number of teeth above or below listed sizes, consult factory.

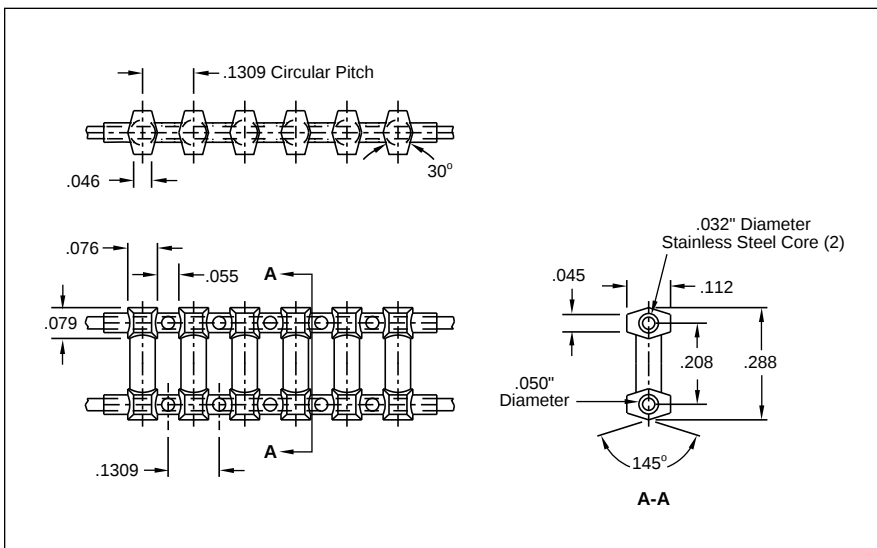
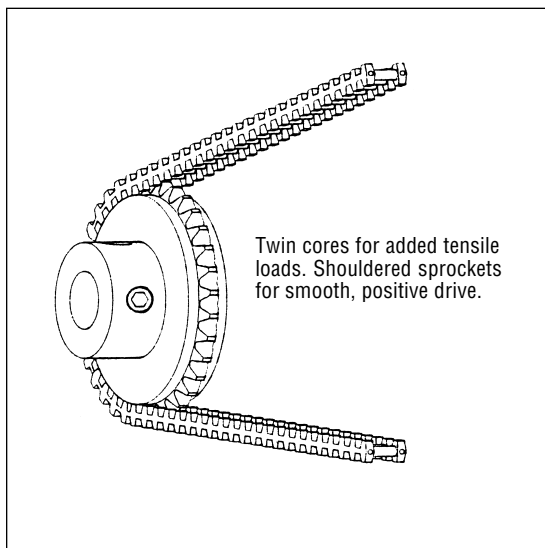
Phone: 800-243-6125 ■ FAX: 203-758-8271

E-Mail: info@pic-design.com

PIC DESIGN

NO-SLIP POSITIVE DRIVE BELT

24 DP .1309 CP Twin Core



Material: F24CS-Series: Molded Polyurethane, .032" diameter Stainless Steel Cores. Color Red, Red Core
F24CA-Series: Molded Polyurethane, .032" diameter Aramid Fiber (Kevlar) Cores. Color Red, Yellow Core

Number Of Drive Pins	Length (Ref.)	Part Number*	Number Of Drive Pins	Length (Ref.)	Part Number*
50	6.545	F24CS-50	120	15.708	F24CS-120
52	6.807	F24CS-52	130	17.017	F24CS-130
54	7.069	F24CS-54	140	18.326	F24CS-140
56	7.330	F24CS-56	150	19.635	F24CS-150
58	7.592	F24CS-58	160	20.944	F24CS-160
60	7.854	F24CS-60	170	22.253	F24CS-170
62	8.116	F24CS-62	180	23.562	F24CS-180
64	8.378	F24CS-64	190	24.871	F24CS-190
66	8.639	F24CS-66	200	26.180	F24CS-200
68	8.901	F24CS-68	220	28.798	F24CS-220
70	9.163	F24CS-70	240	31.416	F24CS-240
75	9.818	F24CS-75	260	34.034	F24CS-260
80	10.472	F24CS-80	280	36.652	F24CS-280
85	11.127	F24CS-85	300	39.270	F24CS-300
90	11.781	F24CS-90	320	41.888	F24CS-320
95	12.436	F24CS-95	340	44.506	F24CS-340
100	13.090	F24CS-100	360	47.124	F24CS-360
105	13.745	F24CS-105	380	49.742	F24CS-380
110	14.399	F24CS-110	400	52.360	F24CS-400
115	15.054	F24CS-115	420	54.978	F24CS-420

* For Aramid Cores, substitute A for S in the part number

For other length belts longer than the minimum listed, substitute the desired number of drive pins at the end of the part number.

Bulk Footage — Not Spliced

Length	Part Number *
5 Ft	F24CS-5FT
10 Ft	F24CS-10FT
25 Ft	F24CS-25FT
50 Ft	F24CS-50FT
100 Ft	F24CS-100FT

Special length belts and other bulk lengths available. Consult factory.

For field splicing use Kit F24C-SK.
See page 5-5.

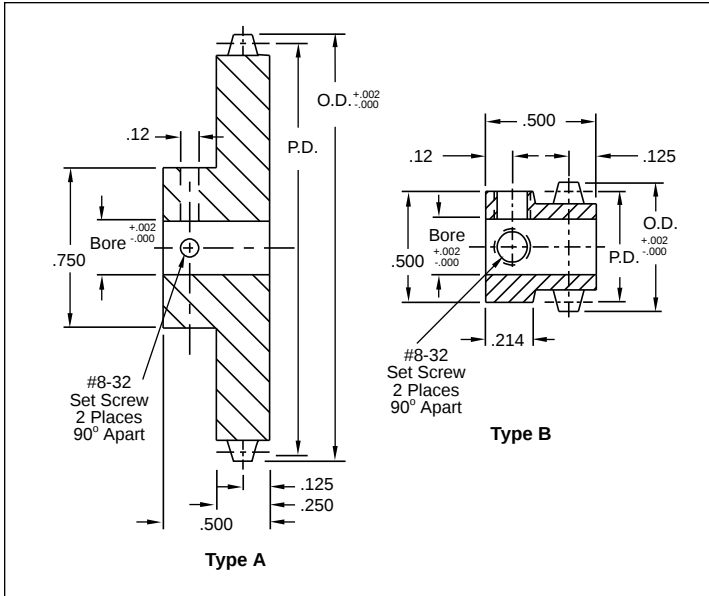
* For Aramid Cores, substitute A for S in the part number

24 DP (.1309CP) Twin Core No-Slip Belts — Series F24CS

Smooth motion, excellent accuracy. Use F24G and MF24G sprockets.
Operates with 24-pitch spur gears.

NO-SLIP SPROCKETS

24 DP, .1309 CP-1/4, 3/8, 1/2 — 8 mm, 10 mm & 12 mm Bores for No-Slip, Twin Core Drive Belts

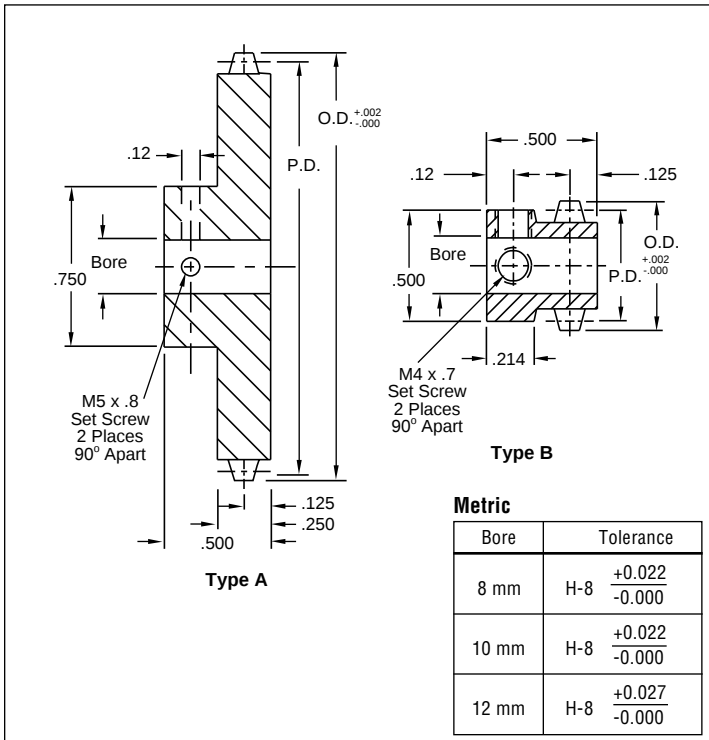


Number Of Teeth	Type	P.D. (Inches)	O.D. (Inches)	Bore Size / Part Number		
				.250	.375	.500
12 *	B	.4994	.582	F24G4-12	—	—
14 *	B	.5827	.665	F24G4-14	—	—
15 *	B	.6243	.707	F24G4-15	F24G6-15	—
16 *	A	.6659	.749	F24G4-16	F24G6-16	F24G8-16
18 *	A	.7492	.832	F24G4-18	F24G6-18	F24G8-18
20	A	.8324	.915	F24G4-20	F24G6-20	F24G8-20
21	A	.8740	.957	F24G4-21	F24G6-21	F24G8-21
24	A	.9989	1.082	F24G4-24	F24G6-24	F24G8-24
30	A	1.2486	1.331	F24G4-30	F24G6-30	F24G8-30
36	A	1.4983	1.581	F24G4-36	F24G6-36	F24G8-36
42	A	1.7480	1.831	F24G4-42	F24G6-42	F24G8-42
48	A	1.9978	2.081	F24G4-48	F24G6-48	F24G8-48
60	A	2.4972	2.580	F24G4-60	F24G6-60	F24G8-60
72	A	2.9966	3.079	F24G4-72	F24G6-72	F24G8-72
96	A	3.9955	4.078	F24G4-96	F24G6-96	F24G8-96
120	A	4.9944	5.077	F24G4-120	F24G6-120	F24G8-120
144	A	5.9933	6.076	F24G4-144	F24G6-144	F24G8-144

* Recommended for use as an idler only

See Note Below.

Material: 2024-T4 Aluminum (anodized before cutting)



Metric	
Bore	Tolerance
8 mm	H-8 $\frac{+0.022}{-0.000}$
10 mm	H-8 $\frac{+0.022}{-0.000}$
12 mm	H-8 $\frac{+0.027}{-0.000}$

Number Of Teeth	Type	P.D. (Inches)	O.D. (Inches)	Bore Size / Part Number (Metric)		
				8 mm	10 mm	12 mm
12 *	B	.4994	.582	MF24G8-12	—	—
14 *	B	.5827	.665	MF24G8-14	—	—
15 *	B	.6243	.707	MF24G8-15	MF24G10-15	—
16 *	A	.6659	.749	MF24G8-16	MF24G10-16	MF24G12-16
18 *	A	.7492	.832	MF24G8-18	MF24G10-18	MF24G12-18
20	A	.8324	.915	MF24G8-20	MF24G10-20	MF24G12-20
21	A	.8740	.957	MF24G8-21	MF24G10-21	MF24G12-21
24	A	.9989	1.082	MF24G8-24	MF24G10-24	MF24G12-24
30	A	1.2486	1.331	MF24G8-30	MF24G10-30	MF24G12-30
36	A	1.4983	1.581	MF24G8-36	MF24G10-36	MF24G12-36
42	A	1.7480	1.831	MF24G8-42	MF24G10-42	MF24G12-42
48	A	1.9978	2.081	MF24G8-48	MF24G10-48	MF24G12-48
60	A	2.4972	2.580	MF24G8-60	MF24G10-60	MF24G12-60
72	A	2.9966	3.079	MF24G8-72	MF24G10-72	MF24G12-72
96	A	3.9955	4.078	MF24G8-96	MF24G10-96	MF24G12-96
120	A	4.9944	5.077	MF24G8-120	MF24G10-120	MF24G12-120
144	A	5.9933	6.076	MF24G8-144	MF24G10-144	MF24G12-144

* Recommended for use as an idler only

Material: 2024-T4 Aluminum (anodized before cutting)

Note:

Other Size Bores Available, Consult Factory.

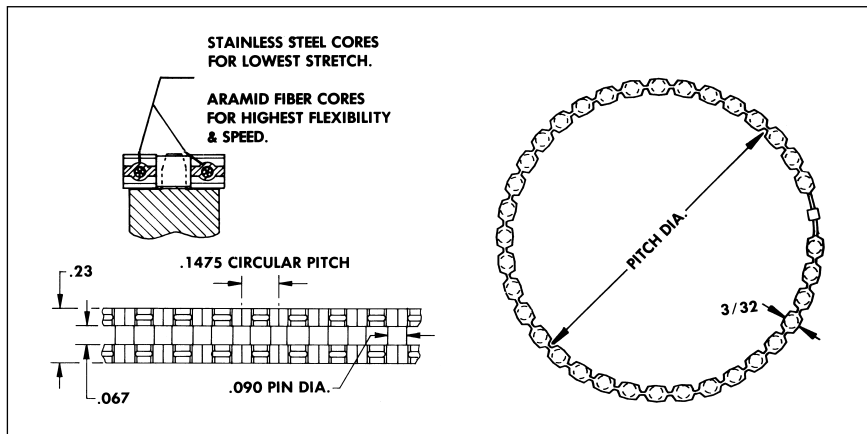
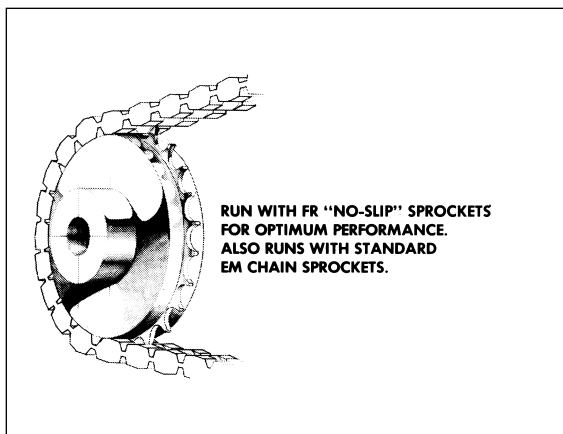
For unlisted number of teeth, specify the number of teeth desired as the last digits in the part number.

EXAMPLE: For a 52-tooth 1/4" bore sprocket, specify Part Number: F24G4-52

For number of teeth above or below listed sizes, consult factory.

NO-SLIP POSITIVE DRIVE BELT

.1475CP, Twin Core Economical High Performance Miniature Steel Chain Replacement



Material:

FRA - Series: Molded Polyurethane, .032" diameter Aramid Fiber Cores. Color: Clear, Green Cores.

FRS - Series: Molded Polyurethane, .032" diameter Stainless Steel Cores. Color: Clear, Red Cores.

Number of Drive Pins	Length (Ref.)	Part No. Aramid Core	Part No. Steel Core
40	5.900	FRA-040	FRS-040
50	7.375	FRA-050	FRS-050
60	8.850	FRA-060	FRS-060
70	10.325	FRA-070	FRS-070
80	11.800	FRA-080	FRS-080
90	13.275	FRA-090	FRS-090
100	14.750	FRA-100	FRS-100
110	16.225	FRA-110	FRS-110
120	17.700	FRA-120	FRS-120
130	19.175	FRA-130	FRS-130
140	20.650	FRA-140	FRS-140
150	22.125	FRA-150	FRS-150
160	23.600	FRA-160	FRS-160
170	25.075	FRA-170	FRS-170
180	26.550	FRA-180	FRS-180
190	28.025	FRA-190	FRS-190
200	29.500	FRA-200	FRS-200
210	30.975	FRA-210	FRS-210

Number of Drive Pins	Length (Ref.)	Part No. Aramid Core	Part No. Steel Core
220	32.450	FRA-220	FRS-220
230	33.925	FRA-230	FRS-230
240	35.400	FRA-240	FRS-240
250	36.825	FRA-250	FRS-250
260	38.350	FRA-260	FRS-260
270	39.825	FRA-270	FRS-270
280	41.300	FRA-280	FRS-280
290	42.775	FRA-290	FRS-290
300	44.250	FRA-300	FRS-300
310	45.725	FRA-310	FRS-310
320	47.200	FRA-320	FRS-320
330	48.675	FRA-330	FRS-330
340	50.150	FRA-340	FRS-340
350	51.625	FRA-350	FRS-350
360	53.100	FRA-360	FRS-360
370	54.575	FRA-370	FRS-370
380	56.050	FRA-380	FRS-380
390	57.525	FRA-390	FRS-390

Bulk Lengths — Not Spliced

Length	Aramid Core Part Number	Steel Core Part Number
5 Ft	FRA-5FT	FRS-5FT
10 Ft	FRA-10FT	FRS-10FT
25 Ft	FRA-25FT	FRS-25FT
50 Ft	FRA-50FT	FRS-50FT
100 Ft	FRA-100FT	FRS-100FT

For field splicing use Kit FR-SK.
See page 5-5.

For other length belts longer than the minimum listed, substitute the desired number of drive pins at the end of the part number.

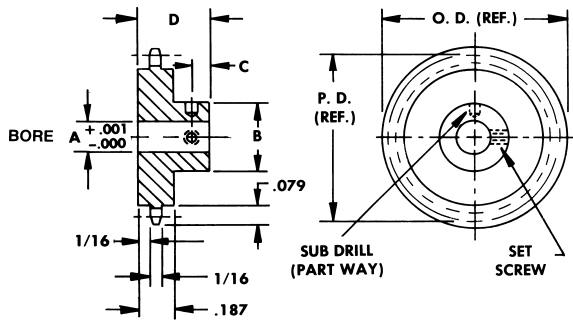
.1475 CP TWIN CORE NO-SLIP BELTS. SERIES FRA & FRS

The workhorse of the No-Slip line. Designed to provide an economical alternative to miniature pitch stainless steel chain. Smoother motion than possible with chain. FRA & FRS belts operate without the chordal rise and fall (camming effect) of chain. Will not continually grow in length as chain does. Drive pins are 30% larger in diameter than the FM series for additional strength. Recommended as a cost saving alternative to chain and for the highest load belt applications requiring No-Slip accuracy. Will replace miniature pitch steel chain in many existing applications.

NO-SLIP SPROCKETS

.1475CP, 1/8, 3/16, 1/4, Bores For FRA & FRS No-Slip, Twin Core Drive Belts

PIN HUB



Material: 303 Stainless Steel
2024-T4 Aluminum
(Anodized Before Cutting)

Dimen.	Bore Size				
	1/8"	3/16"	1/4"	4 mm	6 mm
A	.1248	.1873	.2498	.1573	.2360
B	.312	.375	.500	.375	.500
C	.09	.11	.12	.11	.12
D	.375	.406	.437	.406	.437
Set Screw	#2-56	#4-40	#6-32	M2X.4	M3X.5

For Metric Bores:

Bore	Stainless Steel	Aluminum
4 mm	MFRG1-XX	MFRG2-XX
6 mm	MFRG3-XX	MFRG4-XX

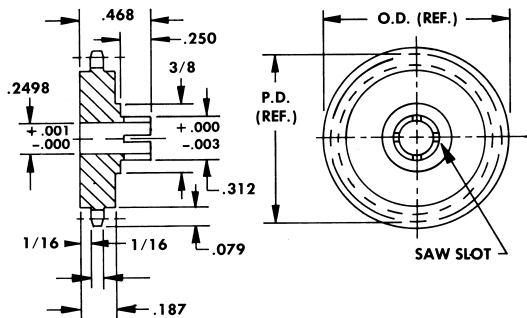
XX = Number of grooves

Sprocket Data			Stainless Steel Bore Size Part Number			Aluminum Bore Size Part Number		
No. Teeth	P.D.	O.D.	.1248	.1873	.2498	.1248	.1873	.2498
10 *	.477	.529	FRG1-010	FRG3-010	—	FRG2-010	FRG4-010	—
11 *	.524	.579	FRG1-011	FRG3-011	—	FRG2-011	FRG4-011	—
12 *	.570	.622	FRG1-012	FRG3-012	—	FRG2-012	FRG4-012	—
13 *	.616	.668	FRG1-013	FRG3-013	FRG5-013	FRG2-013	FRG4-013	FRG6-013
14 *	.663	.715	FRG1-014	FRG3-014	FRG5-014	FRG2-014	FRG4-014	FRG6-014
15 *	.709	.761	FRG1-015	FRG3-015	FRG5-015	FRG2-015	FRG4-015	FRG6-015
16	.756	.808	FRG1-016	FRG3-016	FRG5-016	FRG2-016	FRG4-016	FRG6-016
17	.803	.855	FRG1-017	FRG3-017	FRG5-017	FRG2-017	FRG4-017	FRG6-017
18	.849	.901	FRG1-018	FRG3-018	FRG5-018	FRG2-018	FRG4-018	FRG6-018
19	.896	.948	FRG1-019	FRG3-019	FRG5-019	FRG2-019	FRG4-019	FRG6-019
20	.943	.995	FRG1-020	FRG3-020	FRG5-020	FRG2-020	FRG4-020	FRG6-020
22	1.036	1.088	FRG1-022	FRG3-022	FRG5-022	FRG2-022	FRG4-022	FRG6-022
24	1.130	1.182	FRG1-024	FRG3-024	FRG5-024	FRG2-024	FRG4-024	FRG6-024
25	1.177	1.228	FRG1-025	FRG3-025	FRG5-025	FRG2-025	FRG4-025	FRG6-025
26	1.224	1.276	FRG1-026	FRG3-026	FRG5-026	FRG2-026	FRG4-026	FRG6-026
28	1.317	1.369	FRG1-028	FRG3-028	FRG5-028	FRG2-028	FRG4-028	FRG6-028
30	1.411	1.463	FRG1-030	FRG3-030	FRG5-030	FRG2-030	FRG4-030	FRG6-030
32	1.505	1.557	FRG1-032	FRG3-032	FRG5-032	FRG2-032	FRG4-032	FRG6-032
35	1.645	1.697	FRG1-035	FRG3-035	FRG5-035	FRG2-035	FRG4-035	FRG6-035
36	1.692	1.744	FRG1-036	FRG3-036	FRG5-036	FRG2-036	FRG4-036	FRG6-036
40	1.880	1.932	FRG1-040	FRG3-040	FRG5-040	FRG2-040	FRG4-040	FRG6-040
45	2.114	2.166	FRG1-045	FRG3-045	FRG5-045	FRG2-045	FRG4-045	FRG6-045
48	2.255	2.307	FRG1-048	FRG3-048	FRG5-048	FRG2-048	FRG4-048	FRG6-048
50	2.349	2.401	—	FRG3-050	FRG5-050	—	FRG4-050	FRG6-050
55	2.584	2.636	—	FRG3-055	FRG5-055	—	FRG4-055	FRG6-055
60	2.818	2.870	—	FRG3-060	FRG5-060	—	FRG4-060	FRG6-060
65	3.053	3.105	—	FRG3-065	FRG5-065	—	FRG4-065	FRG6-065
85	3.992	4.044	—	FRG3-085	FRG5-085	—	FRG4-085	FRG6-085

* Recommended for use as an idler only

See Note Below.

SPLIT HUB



Note:

Other Size Bores Available, Consult Factory.
For unlisted number of teeth, specify the number of teeth desired as the last digits in the part number.

EXAMPLE: For a 52-tooth stainless steel sprocket, specify Part Number: FRH5-052

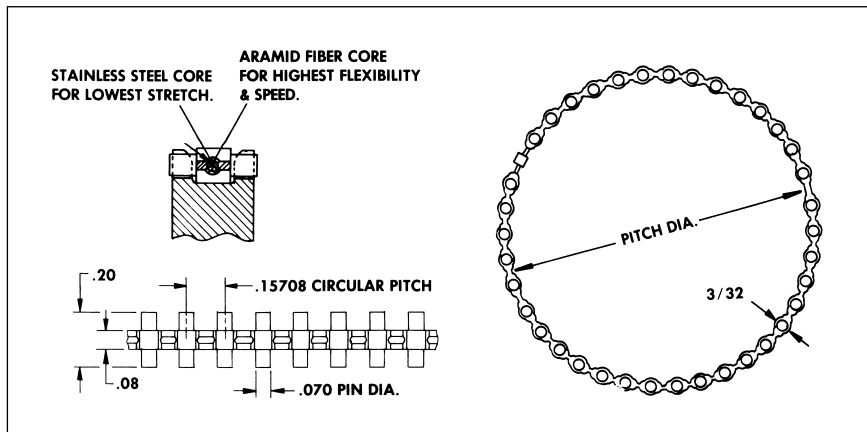
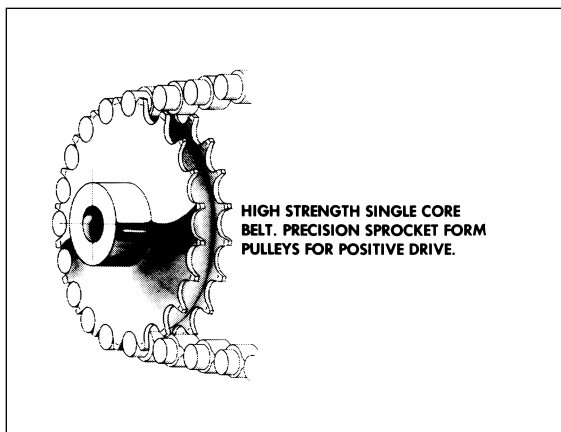
For number of teeth above or below listed sizes, consult factory.

Sprocket Data			Stainless Steel Part Number	Aluminum Part Number
No. Teeth	P.D.	O.D.	.2498 Bore Size	.2498 Bore Size
13 *	.616	.668	FRH5-013	FRH6-013
14 *	.663	.715	FRH5-014	FRH6-014
15 *	.709	.761	FRH5-015	FRH6-015
16	.756	.808	FRH5-016	FRH6-016
17	.803	.855	FRH5-017	FRH6-017
18	.849	.901	FRH5-018	FRH6-018
19	.896	.948	FRH5-019	FRH6-019
20	.943	.995	FRH5-020	FRH6-020
22	1.036	1.088	FRH5-022	FRH6-022
24	1.130	1.182	FRH5-024	FRH6-024
25	1.177	1.228	FRH5-025	FRH6-025
26	1.224	1.276	FRH5-026	FRH6-026
28	1.317	1.369	FRH5-028	FRH6-028
30	1.411	1.463	FRH5-030	FRH6-030
32	1.505	1.557	FRH5-032	FRH6-032
35	1.645	1.697	FRH5-035	FRH6-035
36	1.692	1.744	FRH5-036	FRH6-036
40	1.880	1.932	FRH5-040	FRH6-040
45	2.114	2.166	FRH5-045	FRH6-045
48	2.255	2.307	FRH5-048	FRH6-048

* Recommended for use as an idler only

NO-SLIP POSITIVE DRIVE BELT

20DP, .15708CP Single Core and Triple Core



Material:

FLA-Series: Molded Polyurethane, .032" diameter Aramid Fiber Kevlar Core.

Color: Clear, Orange Core.

FLS-Series: Molded Polyurethane, .032" diameter Stainless Steel Core.

Color: Clear, Blue Core.

Number of Drive Pins	Length (Ref.)	Part No. Aramid Core	Part No. Steel Core
30	4.712	FLA-030	FLS-030
35	5.498	FLA-035	FLS-035
40	6.283	FLA-040	FLS-040
45	7.068	FLA-045	FLS-045
50	7.854	FLA-050	FLS-050
55	8.639	FLA-055	FLS-055
60	9.424	FLA-060	FLS-060
70	10.995	FLA-070	FLS-070
80	12.566	FLA-080	FLS-080
90	14.137	FLA-090	FLS-090
100	15.708	FLA-100	FLS-100
110	17.278	FLA-110	FLS-110
120	18.849	FLA-120	FLS-120
130	20.420	FLA-130	FLS-130
140	21.991	FLA-140	FLS-140
150	23.562	FLA-150	FLS-150
160	25.132	FLA-160	FLS-160
170	26.703	FLA-170	FLS-170
180	28.274	FLA-180	FLS-180
190	29.845	FLA-190	FLS-190
200	31.416	FLA-200	FLS-200

Number of Drive Pins	Length (Ref.)	Part No. Aramid Core	Part No. Steel Core
210	32.986	FLA-210	FLS-210
220	34.557	FLA-220	FLS-220
230	36.128	FLA-230	FLS-230
240	37.699	FLA-240	FLS-240
250	39.270	FLA-250	FLS-250
260	40.840	FLA-260	FLS-260
270	42.411	FLA-270	FLS-270
280	43.982	FLA-280	FLS-280
290	45.553	FLA-290	FLS-290
300	47.124	FLA-300	FLS-300
310	48.694	FLA-310	FLS-310
320	50.265	FLA-320	FLS-320
330	51.836	FLA-330	FLS-330
340	53.407	FLA-340	FLS-340
350	54.978	FLA-350	FLS-350
360	56.548	FLA-360	FLS-360
370	58.119	FLA-370	FLS-370
380	59.690	FLA-380	FLS-380
400	62.832	FLA-400	FLS-400
420	65.973	FLA-420	FLS-420
440	69.115	FLA-440	FLS-440

For other length belts longer than the minimum listed, substitute the desired number of drive pins at the end of the part number.

Bulk Lengths — Not Spliced

Length	Single Core		Triple Core
	Aramid Core Part Number	Steel Core Part Number	Steel Core Part Number
5 Ft	FLA-5FT	FLS-5FT	F20TS-5FT
10 Ft	FLA-10FT	FLS-10FT	F20TS-10FT
25 Ft	FLA-25FT	FLS-25FT	F20TS-25FT
50 Ft	FLA-50FT	FLS-50FT	F20TS-50FT
100 Ft	FLA-100FT	FLS-100FT	F20TS-100FT

For field splicing use Kit FL-SK. See page 5-5.

20DP (.15708 CP) SINGLE CORE NO-SLIP BELTS, SERIES FLA & FLS

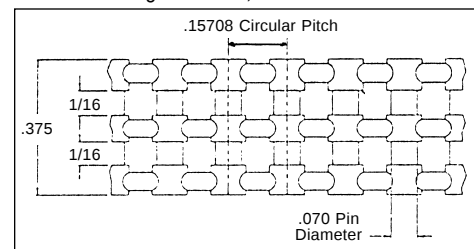
High strength, hi-flex version of the 32DP NO-SLIP belt. Drive pins have 50% larger diameter than the 32DP series. The belt body is relieved between the pins providing ultimate flexibility over small pulleys. The continuous body web is designed to flex laterally to permit shaft misalignment and turning of corners. Run on precision sprocket form pulleys for positive power. Recommended for higher load, speed, and flex applications requiring a single core belt.

Triple Core Belts

Material:

F20TS-Series: Molded Polyurethane, Stainless Steel Core.

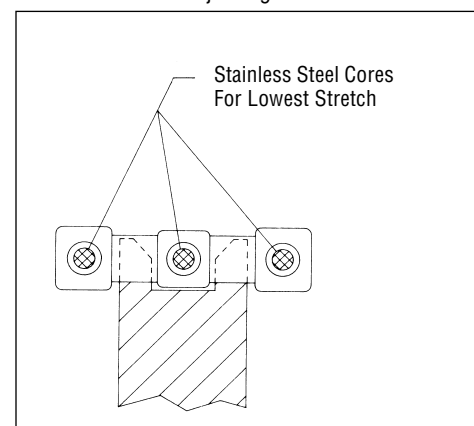
Color: Light Brown, Red Core



For Triple Core Belts use:

F20TS-XX for Steel Core

Standard triple core belts have been established utilizing the same number of drive pins as shown on the adjoining tabulation.



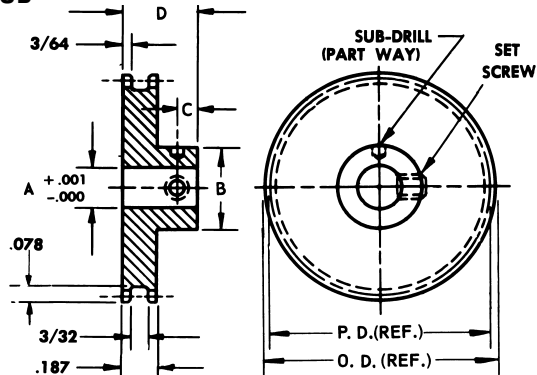
Note: Triple core belt used the same pulleys as the single core belts FLG and FLH Series.

For field splicing triple core, use Kit F20T-SK. See page 5-5.

NO-SLIP PULLEYS

20DP, .15708CP — 1/8, 3/16, 1/4, Bores For FLA, FLS and F20TS No-Slip, Single and Triple Core Drive Belts

PIN HUB



Material: 303 Stainless Steel
2024-T4 Aluminum
(Anodized Before Cutting)

Dimen.	Bore Size				
	1/8"	3/16"	1/4"	4 mm	6 mm
A	.1248	.1873	.2498	.1573	.2360
B	.312	.375	.500	.375	.500
C	.09	.11	.12	.11	.12
D	.375	.406	.437	.406	.437
Set Screw	#2-56	#4-40	#6-32	M2X.4	M3X.5

For Metric Bores:

Bore	Stainless Steel	Aluminum
4 mm	MF20G1-XX	MF20G2-XX
6 mm	MF20G3-XX	MF20G4-XX

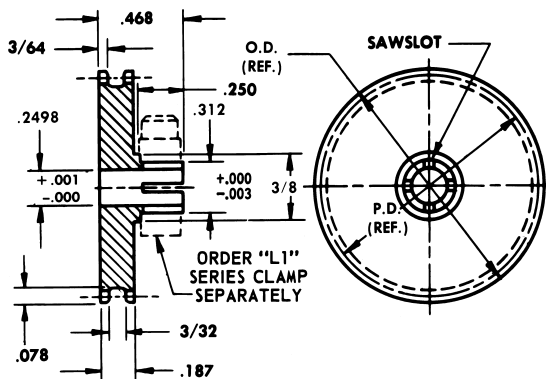
XX = Number of grooves

Pulley Data			Stainless Steel Bore Size Part Number			Aluminum Bore Size Part Number		
No. Teeth	P.D.	O.D.	.1248	.1873	.2498	.1248	.1873	.2498
10 *	.500	.562	FLG1-010	FLG3-010	—	FLG2-010	FLG4-010	—
11 *	.550	.612	FLG1-011	FLG3-011	—	FLG2-011	FLG4-011	—
12 *	.600	.662	FLG1-012	FLG3-012	FLG5-012	FLG2-012	FLG4-012	FLG6-012
13 *	.650	.712	FLG1-013	FLG3-013	FLG5-013	FLG2-013	FLG4-013	FLG6-013
14 *	.700	.762	FLG1-014	FLG3-014	FLG5-014	FLG2-014	FLG4-014	FLG6-014
15 *	.750	.812	FLG1-015	FLG3-015	FLG5-015	FLG2-015	FLG4-015	FLG6-015
16	.800	.862	FLG1-016	FLG3-016	FLG5-016	FLG2-016	FLG4-016	FLG6-016
17	.850	.912	FLG1-017	FLG3-017	FLG5-017	FLG2-017	FLG4-017	FLG6-017
18	.900	.962	FLG1-018	FLG3-018	FLG5-018	FLG2-018	FLG4-018	FLG6-018
19	.950	1.012	FLG1-019	FLG3-019	FLG5-019	FLG2-019	FLG4-019	FLG6-019
20	1.000	1.062	FLG1-020	FLG3-020	FLG5-020	FLG2-020	FLG4-020	FLG6-020
22	1.100	1.162	FLG1-022	FLG3-022	FLG5-022	FLG2-022	FLG4-022	FLG6-022
24	1.200	1.262	FLG1-024	FLG3-024	FLG5-024	FLG2-024	FLG4-024	FLG6-024
25	1.250	1.312	FLG1-025	FLG3-025	FLG5-025	FLG2-025	FLG4-025	FLG6-025
26	1.300	1.362	FLG1-026	FLG3-026	FLG5-026	FLG2-026	FLG4-026	FLG6-026
28	1.400	1.462	FLG1-028	FLG3-028	FLG5-028	FLG2-028	FLG4-028	FLG6-028
30	1.500	1.562	FLG1-030	FLG3-030	FLG5-030	FLG2-030	FLG4-030	FLG6-030
32	1.600	1.662	FLG1-032	FLG3-032	FLG5-032	FLG2-032	FLG4-032	FLG6-032
35	1.750	1.812	FLG1-035	FLG3-035	FLG5-035	FLG2-035	FLG4-035	FLG6-035
36	1.800	1.862	FLG1-036	FLG3-036	FLG5-036	FLG2-036	FLG4-036	FLG6-036
40	2.000	2.062	FLG1-040	FLG3-040	FLG5-040	FLG2-040	FLG4-040	FLG6-040
45	2.250	2.312	FLG1-045	FLG3-045	FLG5-045	FLG2-045	FLG4-045	FLG6-045
50	2.500	2.562	—	FLG3-050	FLG5-050	—	FLG4-050	FLG6-050
60	3.000	3.062	—	FLG3-060	FLG5-060	—	FLG4-060	FLG6-060
70	3.500	3.562	—	FLG3-070	FLG5-070	—	FLG4-070	FLG6-070
80	4.000	4.062	—	FLG3-080	FLG5-080	—	FLG4-080	FLG6-080

* Recommended for use as an idler only

See Note Below.

SPLIT HUB



Note:

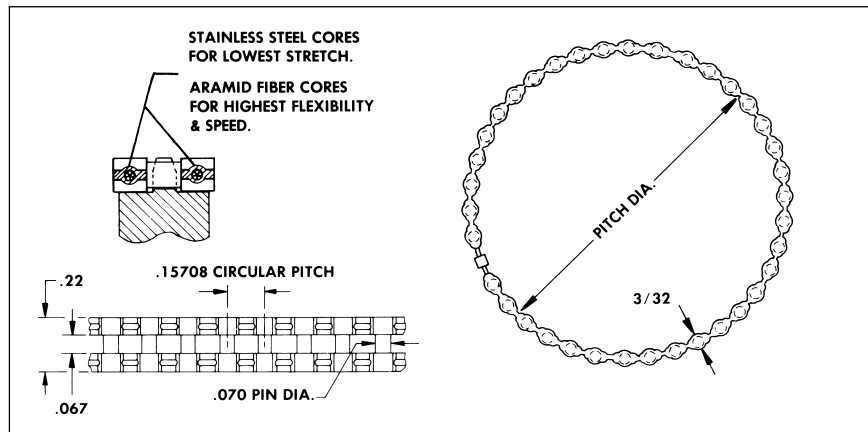
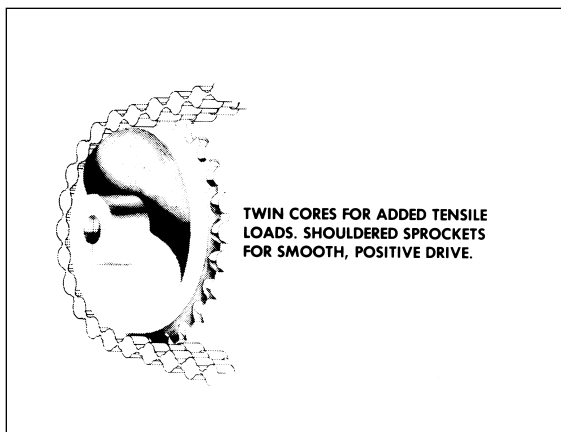
Other Size Bores Available, Consult Factory.
For unlisted number of teeth, specify the number of teeth desired as the last digits in the part number.
EXAMPLE: For a 52-tooth stainless steel pulley, specify Part Number: FLH5-052.
For number of teeth above or below listed sizes, consult factory.

Pulley Data			Stainless Steel Part Number	Aluminum Part Number
No. Teeth	P.D.	O.D.	.2498 Bore Size	.2498 Bore Size
12 *	.600	.662	FLH5-012	FLH6-012
13 *	.650	.712	FLH5-013	FLH6-013
14 *	.700	.762	FLH5-014	FLH6-014
15 *	.750	.812	FLH5-015	FLH6-015
16	.800	.862	FLH5-016	FLH6-016
17	.850	.912	FLH5-017	FLH6-017
18	.900	.962	FLH5-018	FLH6-018
19	.950	1.012	FLH5-019	FLH6-019
20	1.000	1.062	FLH5-020	FLH6-020
22	1.100	1.162	FLH5-022	FLH6-022
24	1.200	1.262	FLH5-024	FLH6-024
25	1.250	1.312	FLH5-025	FLH6-025
26	1.300	1.362	FLH5-026	FLH6-026
28	1.400	1.462	FLH5-028	FLH6-028
30	1.500	1.562	FLH5-030	FLH6-030
32	1.600	1.662	FLH5-032	FLH6-032
35	1.750	1.812	FLH5-035	FLH6-035
36	1.800	1.862	FLH5-036	FLH6-036
40	2.000	2.062	FLH5-040	FLH6-040
45	2.250	2.312	FLH5-045	FLH6-045

* Recommended for use as an idler only

NO-SLIP POSITIVE DRIVE BELT

20DP, .15708CP — Twin Core



Material:

FMA Series: Molded Polyurethane, .032 diameter Aramid Fiber (Kevlar) Cores.

Color: Clear, Orange Cores.

FMS Series: Molded Polyurethane, .032 diameter Stainless Steel Cores.

Color: Clear, Blue Cores.

Number of Drive Pins	Length (Ref.)	Part No. Aramid Core	Part No. Steel Core
30	4.712	FMA-030	FMS-030
35	5.498	FMA-035	FMS-035
40	6.283	FMA-040	FMS-040
45	7.068	FMA-045	FMS-045
50	7.854	FMA-050	FMS-050
55	8.639	FMA-055	FMS-055
60	9.424	FMA-060	FMS-060
70	10.995	FMA-070	FMS-070
80	12.566	FMA-080	FMS-080
90	14.137	FMA-090	FMS-090
100	15.708	FMA-100	FMS-100
110	17.278	FMA-110	FMS-110
120	18.849	FMA-120	FMS-120
130	20.420	FMA-130	FMS-130
140	21.991	FMA-140	FMS-140
150	23.562	FMA-150	FMS-150
160	25.132	FMA-160	FMS-160
170	26.703	FMA-170	FMS-170
180	28.274	FMA-180	FMS-180
190	29.845	FMA-190	FMS-190
200	31.416	FMA-200	FMS-200

Number of Drive Pins	Length (Ref.)	Part No. Aramid Core	Part No. Steel Core
210	32.986	FMA-210	FMS-210
220	34.557	FMA-220	FMS-220
230	36.128	FMA-230	FMS-230
240	37.699	FMA-240	FMS-240
250	39.270	FMA-250	FMS-250
260	40.840	FMA-260	FMS-260
270	42.411	FMA-270	FMS-270
280	43.982	FMA-280	FMS-280
290	45.553	FMA-290	FMS-290
300	47.124	FMA-300	FMS-300
310	48.694	FMA-310	FMS-310
320	50.265	FMA-320	FMS-320
330	51.836	FMA-330	FMS-330
340	53.407	FMA-340	FMS-340
350	54.978	FMA-350	FMS-350
360	56.548	FMA-360	FMS-360
370	58.119	FMA-370	FMS-370
380	59.690	FMA-380	FMS-380
400	62.832	FMA-400	FMS-400
420	65.973	FMA-420	FMS-420
440	69.115	FMA-440	FMS-440

Bulk Lengths — Not Spliced

Length	Aramid Core Part Number	Steel Core Part Number
5 Ft	FMA-5FT	FMS-5FT
10 Ft	FMA-10FT	FMS-10FT
25 Ft	FMA-25FT	FMS-25FT
50 Ft	FMA-50FT	FMS-50FT
100 Ft	FMA-100FT	FMS-100FT

For field splicing use Kit FM-SK.
See page 5-5.

For other length belts longer than the minimum listed, substitute the desired number of drive pins at the end of the part number.

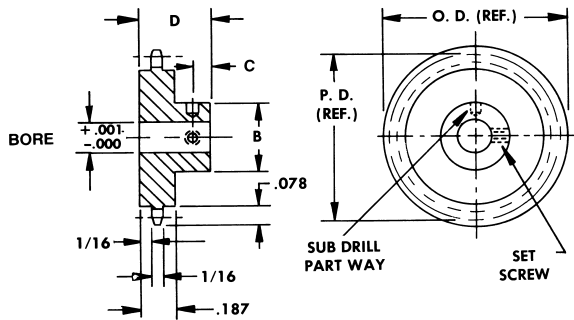
20DP (.15708 CP) SINGLE CORE NO-SLIP BELTS, SERIES FLA & FLS

Similar high strength, hi-flex design as "FL" series, but with twin cores providing added strength for higher tensile loads. Loads are carried by two cores, reducing stretch by a factor of two. Sprockets have only one row of teeth, resulting in cost savings vs pulleys with two rows of teeth. Recommended for higher load applications where twisting of the belt is not required.

NO-SLIP SPROCKETS

20DP, .15708CP — 1/8, 3/16, 1/4, Bores For FMA & FMS No-Slip, Twin Core Drive Belts

PIN HUB



Material: 303 Stainless Steel
2024-T4 Aluminum
(Anodized Before Cutting)

Dimen.	Bore Size				
	1/8"	3/16"	1/4"	4 mm	6 mm
A	.1248	.1873	.2498	.1573	.2360
B	.312	.375	.500	.375	.500
C	.09	.11	.12	.11	.12
D	.375	.406	.437	.406	.437
Set Screw	#2-56	#4-40	#6-32	M2X.4	M3X.5

For Metric Bores:

Bore	Stainless Steel	Aluminum
4 mm	MFMG1-XX	MFMG2-XX
6 mm	MFMG3-XX	MFMG4-XX

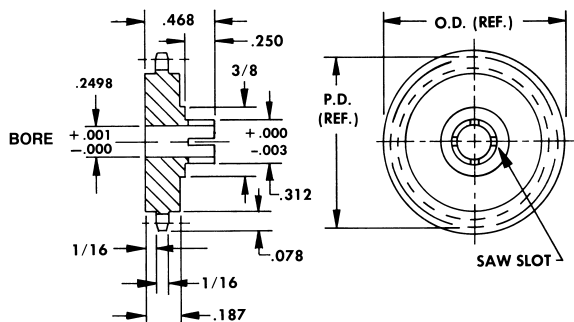
XX = Number of grooves

Sprocket Data			Stainless Steel Bore Size Part Number			Aluminum Bore Size Part Number		
No. Teeth	P.D.	O.D.	.1248	.1873	.2498	.1248	.1873	.2498
10 *	.500	.562	FMG1-010	FMG3-010	—	FMG2-010	FMG4-010	—
11 *	.550	.612	FMG1-011	FMG3-011	—	FMG2-011	FMG4-011	—
12 *	.600	.662	FMG1-012	FMG3-012	FMG5-012	FMG2-012	FMG4-012	FMG6-012
13 *	.650	.712	FMG1-013	FMG3-013	FMG5-013	FMG2-013	FMG4-013	FMG6-013
14 *	.700	.762	FMG1-014	FMG3-014	FMG5-014	FMG2-014	FMG4-014	FMG6-014
15 *	.750	.812	FMG1-015	FMG3-015	FMG5-015	FMG2-015	FMG4-015	FMG6-015
16	.800	.862	FMG1-016	FMG3-016	FMG5-016	FMG2-016	FMG4-016	FMG6-016
17	.850	.912	FMG1-017	FMG3-017	FMG5-017	FMG2-017	FMG4-017	FMG6-017
18	.900	.962	FMG1-018	FMG3-018	FMG5-018	FMG2-018	FMG4-018	FMG6-018
19	.950	1.012	FMG1-019	FMG3-019	FMG5-019	FMG2-019	FMG4-019	FMG6-019
20	1.000	1.062	FMG1-020	FMG3-020	FMG5-020	FMG2-020	FMG4-020	FMG6-020
22	1.100	1.162	FMG1-022	FMG3-022	FMG5-022	FMG2-022	FMG4-022	FMG6-022
24	1.200	1.262	FMG1-024	FMG3-024	FMG5-024	FMG2-024	FMG4-024	FMG6-024
25	1.250	1.312	FMG1-025	FMG3-025	FMG5-025	FMG2-025	FMG4-025	FMG6-025
26	1.300	1.362	FMG1-026	FMG3-026	FMG5-026	FMG2-026	FMG4-026	FMG6-026
28	1.400	1.462	FMG1-028	FMG3-028	FMG5-028	FMG2-028	FMG4-028	FMG6-028
30	1.500	1.562	FMG1-030	FMG3-030	FMG5-030	FMG2-030	FMG4-030	FMG6-030
32	1.600	1.662	FMG1-032	FMG3-032	FMG5-032	FMG2-032	FMG4-032	FMG6-032
35	1.750	1.812	FMG1-035	FMG3-035	FMG5-035	FMG2-035	FMG4-035	FMG6-035
36	1.800	1.862	FMG1-036	FMG3-036	FMG5-036	FMG2-036	FMG4-036	FMG6-036
40	2.000	2.062	FMG1-040	FMG3-040	FMG5-040	FMG2-040	FMG4-040	FMG6-040
45	2.250	2.312	FMG1-045	FMG3-045	FMG5-045	FMG2-045	FMG4-045	FMG6-045
50	2.500	2.562	—	FMG3-050	FMG5-050	—	FMG4-050	FMG6-050
60	3.000	3.062	—	FMG3-060	FMG5-060	—	FMG4-060	FMG6-060
70	3.500	3.562	—	FMG3-070	FMG5-070	—	FMG4-070	FMG6-070
80	4.000	4.062	—	FMG3-080	FMG5-080	—	FMG4-080	FMG6-080

* Recommended for use as an idler only

See Note Below.

SPLIT HUB



Note:

Other Size Bores Available, Consult Factory.
For unlisted number of teeth, specify the number of teeth desired as the last digits in the part number.

EXAMPLE: For a 52-tooth stainless steel sprocket, specify Part Number: FMH5-052

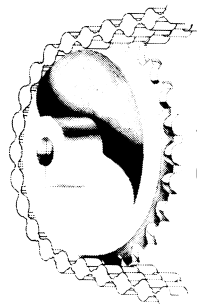
For number of teeth above or below listed sizes, consult factory.

Sprocket Data			Stainless Steel Part Number	Aluminum Part Number
No. Teeth	P.D.	O.D.	.2498 Bore Size	.2498 Bore Size
12 *	.600	.662	FMH5-012	FMH6-012
13 *	.650	.712	FMH5-013	FMH6-013
14 *	.700	.762	FMH5-014	FMH6-014
15 *	.750	.812	FMH5-015	FMH6-015
16	.800	.862	FMH5-016	FMH6-016
17	.850	.912	FMH5-017	FMH6-017
18	.900	.962	FMH5-018	FMH6-018
19	.950	1.012	FMH5-019	FMH6-019
20	1.000	1.062	FMH5-020	FMH6-020
22	1.100	1.162	FMH5-022	FMH6-022
24	1.200	1.262	FMH5-024	FMH6-024
25	1.250	1.312	FMH5-025	FMH6-025
26	1.300	1.362	FMH5-026	FMH6-026
28	1.400	1.462	FMH5-028	FMH6-028
30	1.500	1.562	FMH5-030	FMH6-030
32	1.600	1.662	FMH5-032	FMH6-032
35	1.750	1.812	FMH5-035	FMH6-035
36	1.800	1.862	FMH5-036	FMH6-036
40	2.000	2.062	FMH5-040	FMH6-040
45	2.250	2.312	FMH5-045	FMH6-045

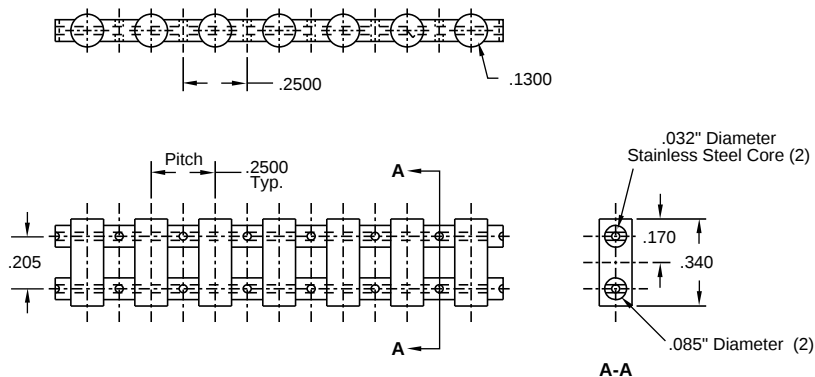
* Recommended for use as an idler only

NO-SLIP POSITIVE DRIVE BELT "CHAIN"

.25 (1/4") Pitch



TWIN CORES FOR ADDED TENSILE LOADS. SHOULDERED SPROCKETS FOR SMOOTH, POSITIVE DRIVE.



Note: Factory spliced belts are overmolded

Material:

F25CS Series: Molded Polyurethane, .032 diameter Stainless Steel Cores.

Color: Light Brown, Core Red

F25CA Series: Molded Polyurethane, .032 diameter Aramid (Kevlar) Cores.

Color: Light Brown, Core Orange

Number Of Drive Pins	Length (Ref.)	Part Number *	Number Of Drive Pins	Length (Ref.)	Part Number *
40	10.000	F25CS-40	220	55.000	F25CS-220
50	12.500	F25CS-50	230	57.500	F25CS-230
60	15.000	F25CS-60	240	60.000	F25CS-240
70	17.500	F25CS-70	250	62.500	F25CS-250
80	20.000	F25CS-80	260	65.000	F25CS-260
90	22.500	F25CS-90	270	67.500	F25CS-270
100	25.000	F25CS-100	280	70.000	F25CS-280
110	27.500	F25CS-110	290	72.500	F25CS-290
120	30.000	F25CS-120	300	75.000	F25CS-300
130	32.500	F25CS-130	310	77.500	F25CS-310
140	35.000	F25CS-140	320	80.000	F25CS-320
150	37.500	F25CS-150	330	82.500	F25CS-330
160	40.000	F25CS-160	340	85.000	F25CS-340
170	42.500	F25CS-170	350	87.500	F25CS-350
180	45.000	F25CS-180	370	92.500	F25CS-370
190	47.500	F25CS-190	380	95.000	F25CS-380
200	50.000	F25CS-200	390	97.500	F25CS-390
210	52.500	F25CS-210			

* For Aramid Cores, substitute A for S in the part number

For other length belts longer than the minimum listed, substitute the desired number of drive pins at the end of the part number.

Bulk Footage — Not Spliced

Length	Part Number
5 Ft	F25CS-5FT
10 Ft	F25CS-10FT
25 Ft	F25CS-25FT
50 Ft	F25CS-50FT
100 Ft	F25CS-100FT

Special length belts and other bulk lengths available. Consult factory.

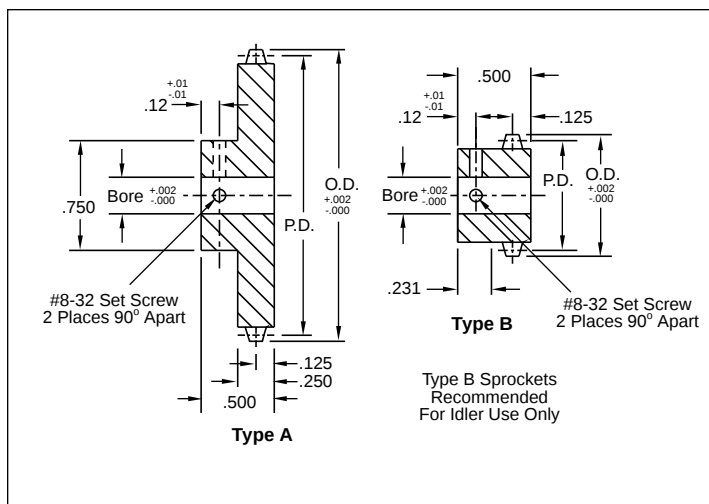
For field splicing use Kit F25C-SK. See page 5-5.

* For Aramid Cores, substitute A for S in the part number

.25 Pitch Twin Core No-Slip Belts — Series F25CS

Designed to provide an economical alternative to 25-pitch roller chain, with smoother motion. Drive pins are 44% larger in diameter than FRA & FRS series.

.25 (1/4") Pitch 1/4, 3/8, 1/2 — 8 mm, 10 mm & 12 mm Bores for F25 Twin Core Drive Belts

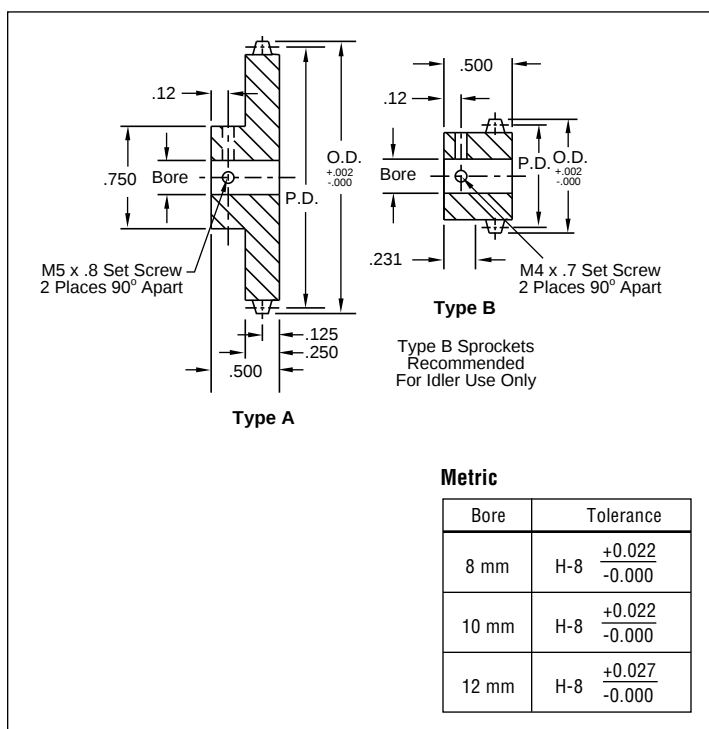


Material: 2024-T4 Aluminum (anodized before cutting)

Number Of Teeth	Type	P.D. (Inches)	O.D. (Inches)	Bore Size / Part Number		
				.250	.375	.500
9 *	B	.7162	.836	F25G4-9	F25G6-9	F25G8-9
10	B	.7958	.915	F25G4-10	F25G6-10	F25G8-10
12	A	.9549	1.074	F25G4-12	F25G6-12	F25G8-12
13	A	1.0345	1.154	F25G4-13	F25G6-13	F25G8-13
14	A	1.1141	1.234	F25G4-14	F25G6-14	F25G8-14
15	A	1.1936	1.313	F25G4-15	F25G6-15	F25G8-15
16	A	1.2732	1.393	F25G4-16	F25G6-16	F25G8-16
18	A	1.4324	1.552	F25G4-18	F25G6-18	F25G8-18
20	A	1.5915	1.711	F25G4-20	F25G6-20	F25G8-20
24	A	1.9098	2.029	F25G4-24	F25G6-24	F25G8-24
25	A	1.9894	2.109	F25G4-25	F25G6-25	F25G8-25
28	A	2.2281	2.348	F25G4-28	F25G6-28	F25G8-28
30	A	2.3873	2.507	F25G4-30	F25G6-30	F25G8-30
36	A	2.8648	2.984	F25G4-36	F25G6-36	F25G8-36
40	A	3.1831	3.303	F25G4-40	F25G6-40	F25G8-40
48	A	3.8197	3.939	F25G4-48	F25G6-48	F25G8-48
60	A	4.7746	4.894	F25G4-60	F25G6-60	F25G8-60
72	A	5.7296	5.849	F25G4-72	F25G6-72	F25G8-72

* Recommended for use as an idler only

See Note Below.



Material: 2024-T4 Aluminum (anodized before cutting)

Number Of Teeth	Type	P.D. (Inches)	O.D. (Inches)	Bore Size / Part Number (Metric)		
				8 mm	10 mm	12 mm
9 *	B	.7162	.836	MF25G4-9	MF25G6-9	MF25G8-9
10	B	.7958	.915	MF25G4-10	MF25G6-10	MF25G8-10
12	A	.9549	1.074	MF25G4-12	MF25G6-12	MF25G8-12
13	A	1.0345	1.154	MF25G4-13	MF25G6-13	MF25G8-13
14	A	1.1141	1.234	MF25G4-14	MF25G6-14	MF25G8-14
15	A	1.1936	1.313	MF25G4-15	MF25G6-15	MF25G8-15
16	A	1.2732	1.393	MF25G4-16	MF25G6-16	MF25G8-16
18	A	1.4324	1.552	MF25G4-18	MF25G6-18	MF25G8-18
20	A	1.5915	1.711	MF25G4-20	MF25G6-20	MF25G8-20
24	A	1.9098	2.029	MF25G4-24	MF25G6-24	MF25G8-24
25	A	1.9894	2.109	MF25G4-25	MF25G6-25	MF25G8-25
28	A	2.2281	2.348	MF25G4-28	MF25G6-28	MF25G8-28
30	A	2.3873	2.507	MF25G4-30	MF25G6-30	MF25G8-30
36	A	2.8648	2.984	MF25G4-36	MF25G6-36	MF25G8-36
40	A	3.1831	3.303	MF25G4-40	MF25G6-40	MF25G8-40
48	A	3.8197	3.939	MF25G4-48	MF25G6-48	MF25G8-48
60	A	4.7746	4.894	MF25G4-60	MF25G6-60	MF25G8-60
72	A	5.7296	5.849	MF25G4-72	MF25G6-72	MF25G8-72

* Recommended for use as an idler only

Note:

Other Size Bores Available, Consult Factory.

For unlisted number of teeth, specify the number of teeth desired as the last digits in the part number.

EXAMPLE: For a 52-tooth 1/4" bore sprocket, specify Part Number: F25G4-52

For number of teeth above or below listed sizes, consult factory.