



Machine Guard & Cover Co.

888.482.7371

[www.machineguard.com](http://www.machineguard.com)



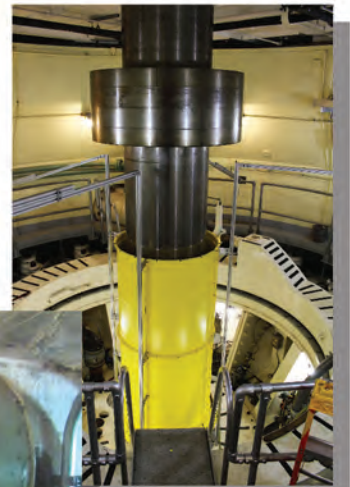
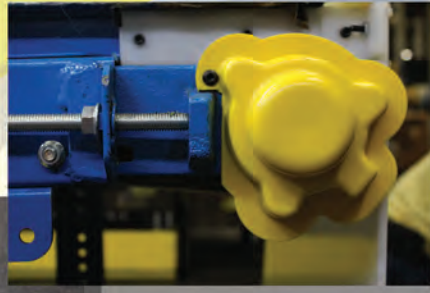
6187 136th Avenue  
Holland, MI 49424



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888.482.7371 www.machineguard.com

Since 1992, Machine Guard & Cover Co. has manufactured nonmetallic plastic machine guards in ABS, metal detectable ABS, PETG, Kydex, Polycarbonate and other materials to provide off the shelf and custom solutions for point guarding power transmission systems.

We can create guarding solutions for your specific application with custom flanges, unflanged guards, extra cuts, holes, bends, or Safety Captured Fasteners.

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When properly installed, products manufactured by Machine Guard & Cover Co. are intended to meet the ANSI B11.19-2010 standards for guarding power transmission systems. The full ANSI guarding criteria should be consulted for complete details.

### **ANSI B11.19-2010: Performance Criteria for Safeguarding - Standard Requirements: 7.2.6**

The user shall ensure that guards are installed, maintained and operated so as to protect against:

- Unauthorized adjustment or circumvention;
- Hazards between the guard and the moving machine or tooling parts

### **Explanatory Information: E7.2.6**

Guards installed in such a manner that tools are necessary for their adjustment or removal may satisfy this requirement.

Examples of some types of fasteners that should not be used are:

- slotted or Phillips head screws;
- wing nuts;
- magnets;
- latches and hasps;
- hooks and eyes.

The devices should be checked frequently for proper operation.

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## **Machine Guard & Cover, Co. is a member of the following industry organizations:**



National Safety Council



Power Transmission Distributors Association



Society of Plastic Engineers



Association of State Dam Safety Officials



Michigan West Coast Chamber of Commerce



United States Federal Contractor Registration Verified Vendor

All products manufactured by Machine Guard & Cover, Co. are made in the U.S.A.





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## Material Descriptions and Colors

Machine Guard & Cover, Co. forms and fabricates guards from several types of plastics.

ABS is the most common and most cost-effective material. ABS is a strong, tough and durable material that works well in most industrial applications. Black ABS plastic is recommended for outdoor applications due to superior UV resistance.



BL  
Black 3/16"



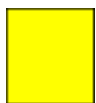
B8  
Black 1/8"



B4  
Black 1/4"



B3  
Black 3/8"



YE  
Yellow 3/16"



Y8  
Yellow 1/8"

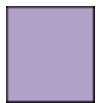


Y4  
Yellow 1/4"



Y3  
Yellow 3/8"

Transparent PETG possesses great impact strength and chemical resistance competing with polycarbonate and is an FDA food and medical device contact approved material. PETG is sensitive to UV light and surface scratches easier than ABS.



PT  
PETG 3/16"



P8  
PETG 1/8"



P4  
PETG 1/4"

KYDEX-T has a fire resistance rating in accordance with UL Std. 94 V-0, 5V and also has superior chemical resistance. This material is used in special applications where fire or electrical hazards must be addressed.



KX  
Kydex-T Black 3/16"



KX8  
Kydex-T Black 1/8"



KX4  
Kydex-T Black 1/4"



KXY  
Kydex-T Yellow 3/16"



KXY4  
Kydex-T Yellow 1/4"

Metal detectable blue ABS plastic is an option for the lightweight guard families and smaller guards. This material is an excellent alternative in the food and pharmaceutical industries where traditionally an all metal guard would be required. Following the current industry practice of using a highly visual material, guards in this material are available in blue only.



MD8  
Metal Detectable 1/8"


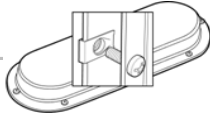

Other materials such as HDPE, Polycarbonate and other colors of ABS are available for special projects. For additional information, contact Machine Guard & Cover, Co. at 888.482.7371 or visit our website at [www.machineguard.com](http://www.machineguard.com).




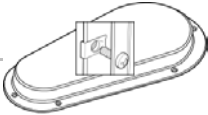
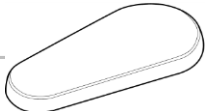






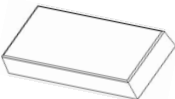
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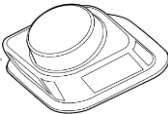
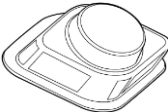


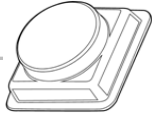
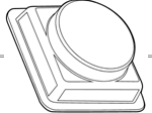


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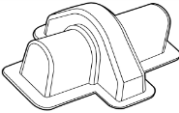
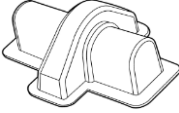


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**Pillow Block Bearing Covers**





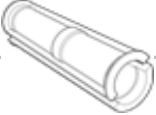
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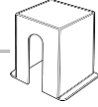
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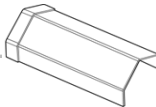
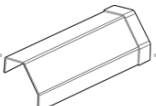






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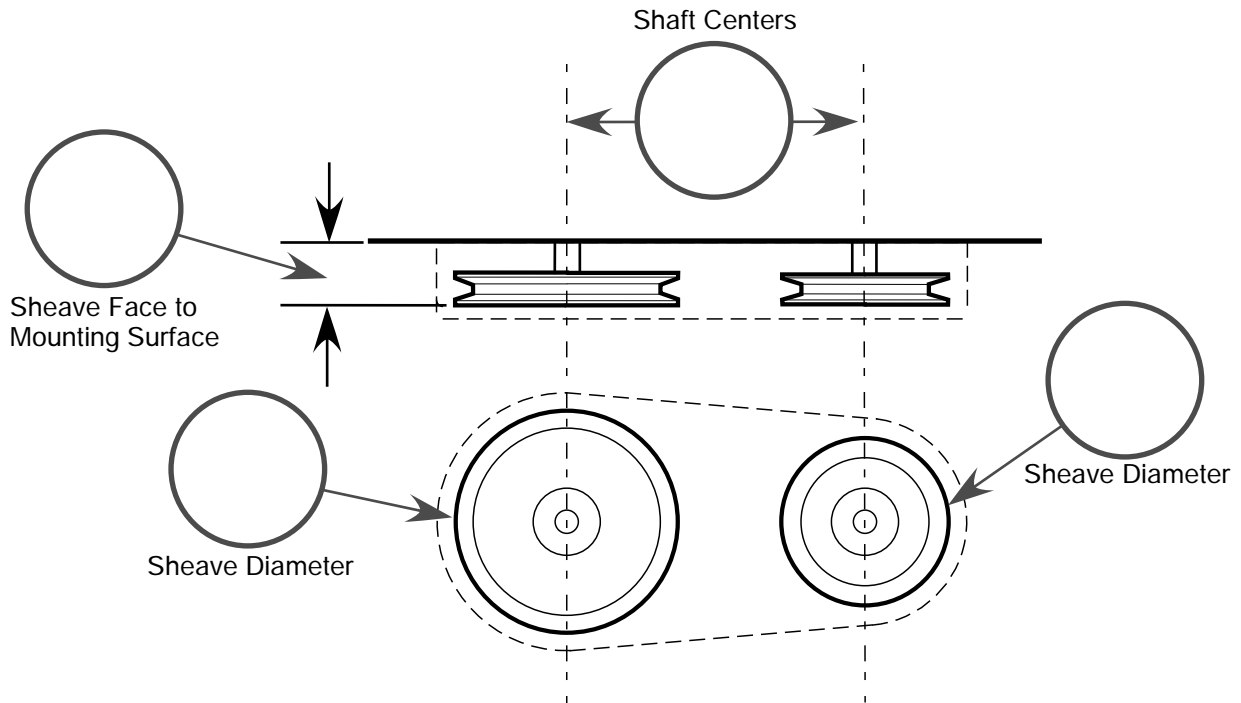


**Machine Guard & Cover Co.**

*We've Got You Covered!*

# Belt Guard Request Sheet

Supply information in the 4 circles provided:



*Use Request Sheet 2 for more shaft detail if needed*

Other Features:

Company: \_\_\_\_\_ Contact e-mail: \_\_\_\_\_

Name: \_\_\_\_\_ Contact phone: \_\_\_\_\_

*e-mail or FAX this sheet to:*

www.machineguard.com  
office@machineguard.com  
Fax: 877-482-7313



**Machine Guard & Cover Co.**

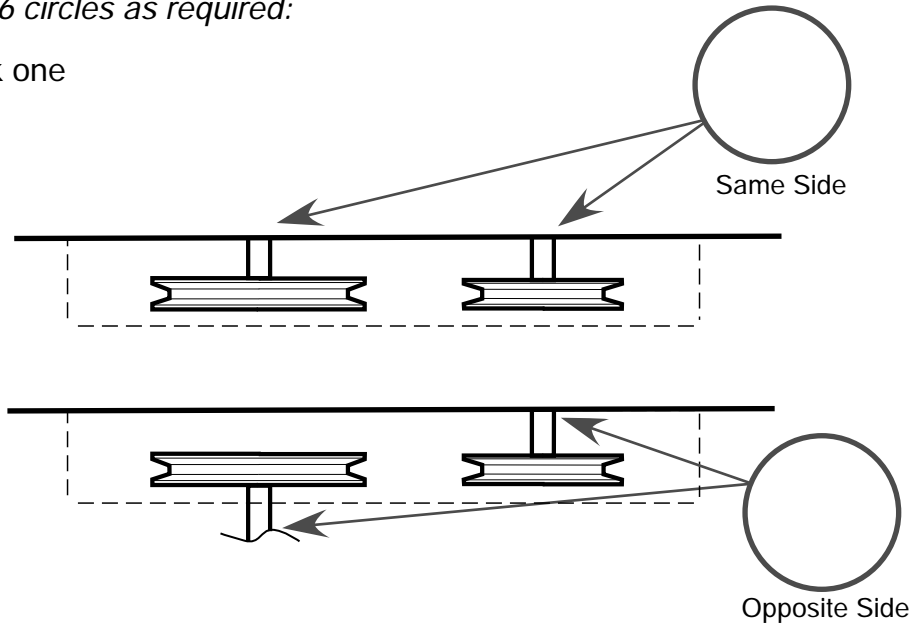
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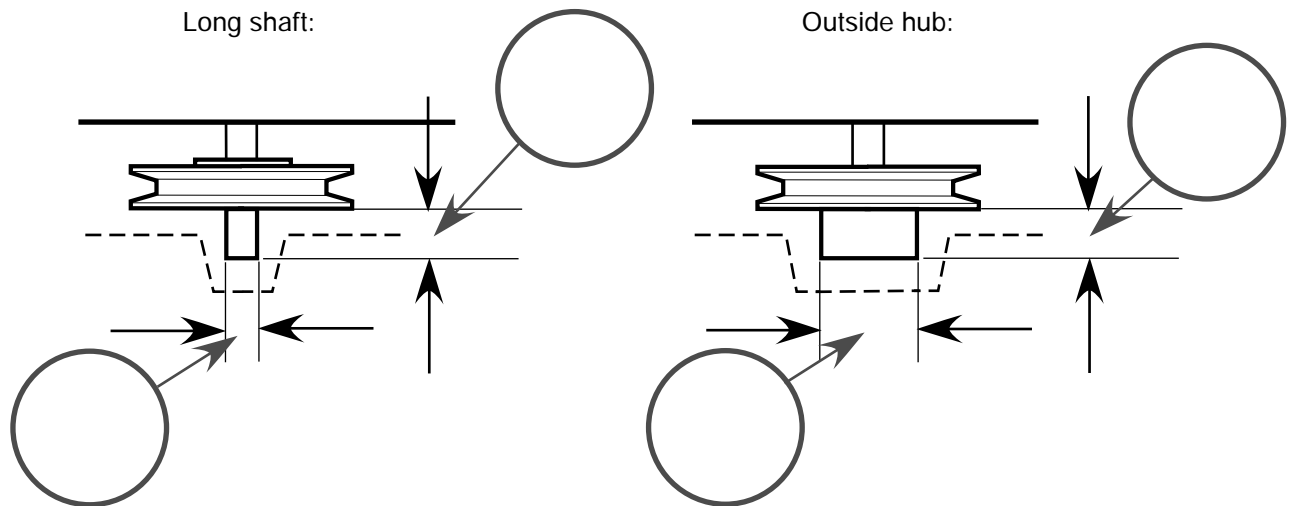
# Belt Guard Request Sheet 2

Supply information in the 6 circles as required:

Shaft variations: check one



Hub variations:





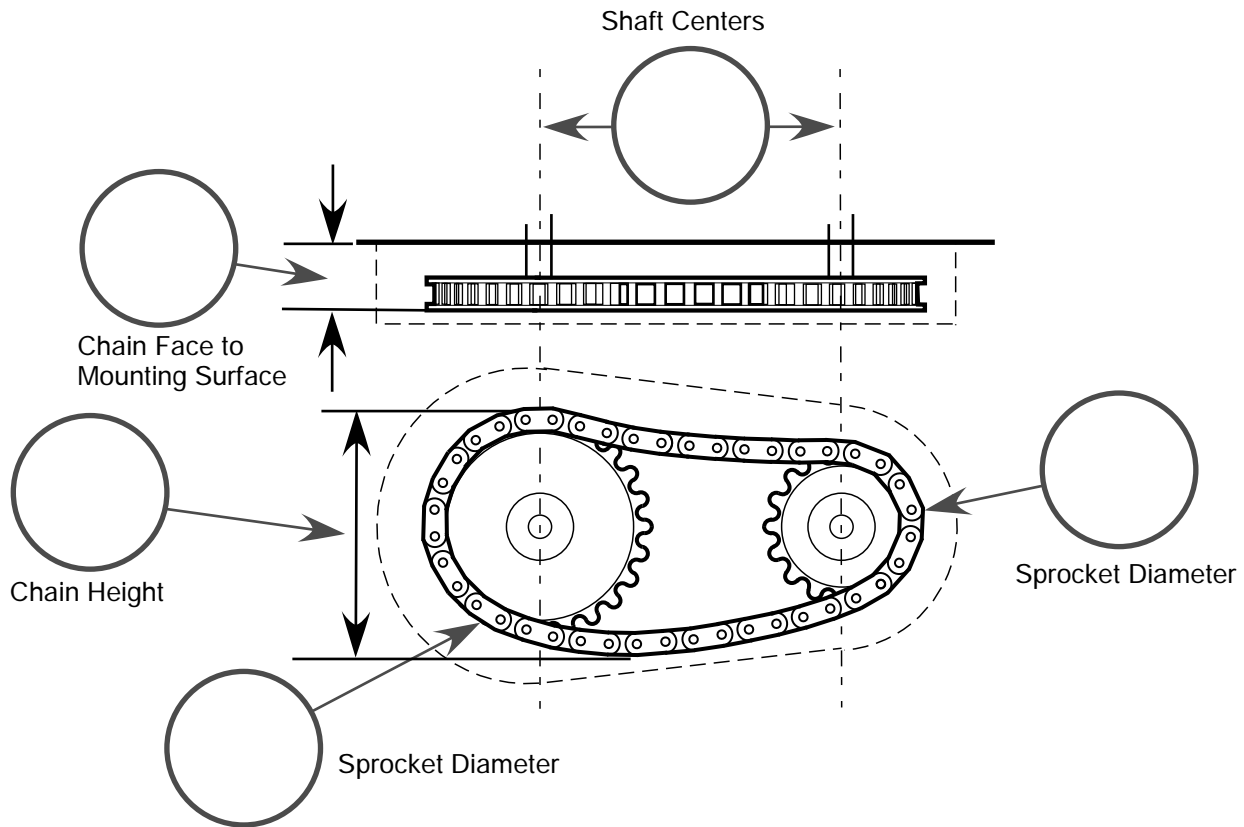


**Machine Guard & Cover Co.**

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# Industrial Chain Guard Request Sheet

Supply information in the 5 circles provided:



*Use Request Sheet 2 for more shaft detail if needed*

Other Features:

Company: \_\_\_\_\_ Contact e-mail: \_\_\_\_\_  
 Name: \_\_\_\_\_ Contact phone: \_\_\_\_\_

e-mail or FAX this sheet to:

www.machineguard.com  
 office@machineguard.com  
 Fax: 877-482-7313



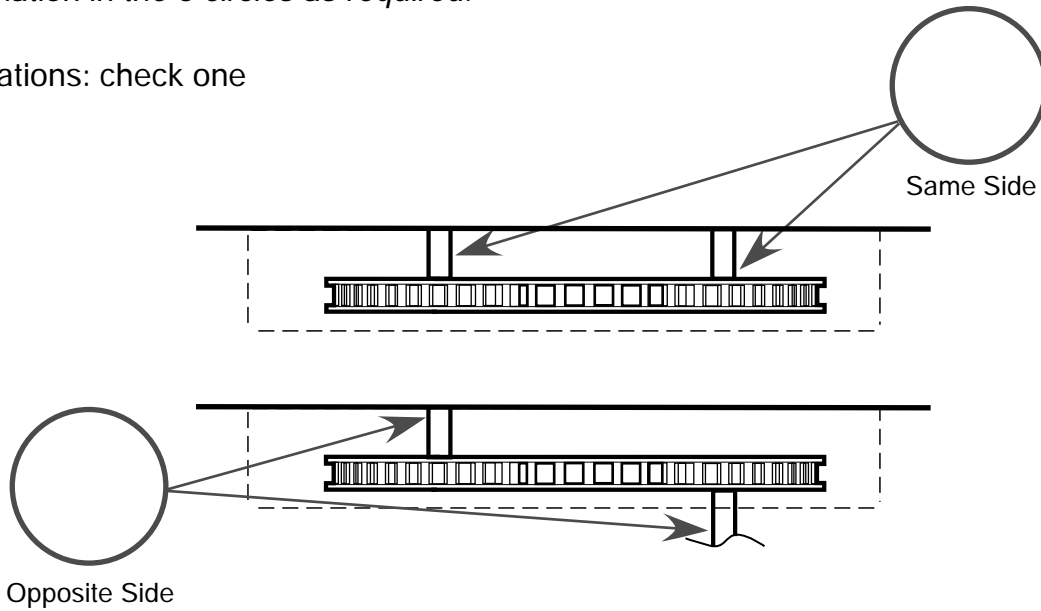
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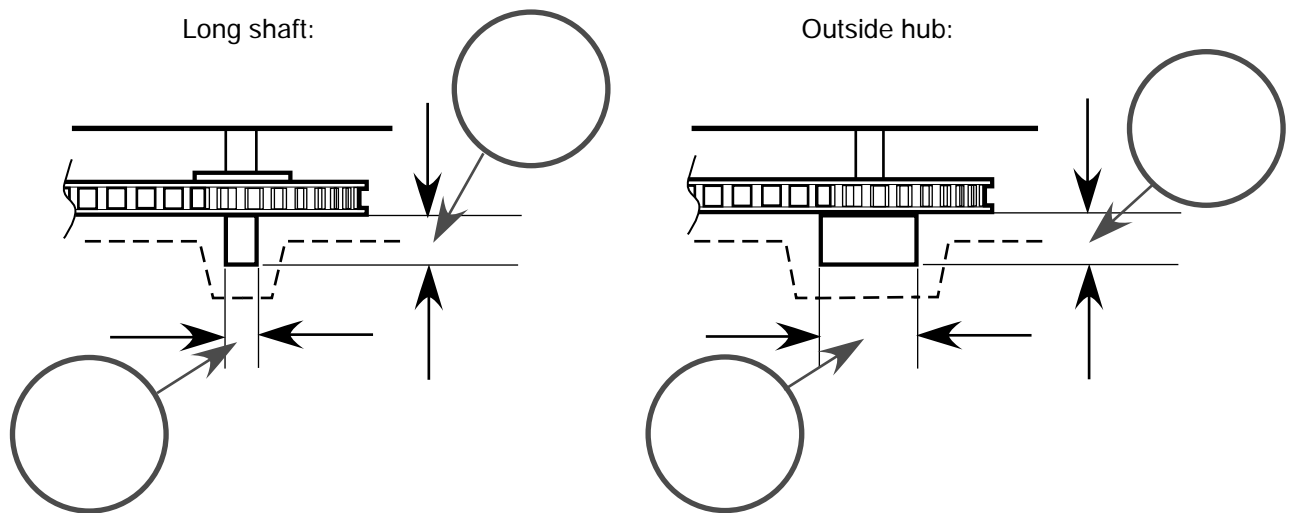
# Industrial Chain Guard Request Sheet 2

Supply information in the 6 circles as required:

Shaft variations: check one

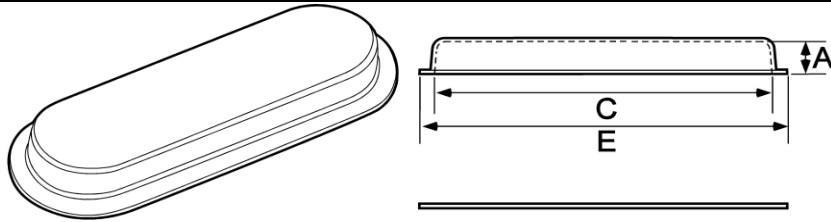


Hub variations: supply dimensions as needed:





**Standard Flanged Guards**

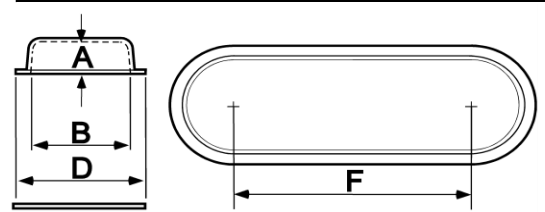


All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Length "C"	Center "F"
-------------	------------	-----------	------------	------------

G1.52.506	38	57	162	105
G1.52.510.5	38	57	260	203
G1.52.59.5	38	57	241	184
G1.53.511	40	87	284	197
G1.72.27.5	41	57	194	137
G1.72.504	44	60	102	41
G1.750510	44	130	257	127
G1.750611	44	149	276	127
G1.802.58.2	44	64	210	146
G20220	51	57	511	454
G203.506.5	51	89	165	76
G20311	51	78	276	198
G20414	51	105	346	241
G20416	51	108	397	289
G20418	51	105	445	340
G20420	51	105	498	394
G20422	51	105	549	445
G20426	51	98	657	559
G20618	51	143	445	302
G20620	51	146	502	356
G20622	51	146	552	406
G20624	51	149	603	454
G20626	51	143	648	505
G20629	51	146	730	584
G20633	51	149	845	695
G2.103.110	54	79	254	175
G2.20508.2	57	127	210	83
G2.303.215	60	79	384	305
G2.50417.5	64	111	445	333
G2.50509	64	124	229	105
G2.50516	64	117	400	283
G2.50612	64	143	295	152
G2.50615	64	146	375	229
G2.50620	64	146	502	356
G2.50625	64	149	635	486
G2.50825	64	197	635	438
G2.53.509	64	89	229	140
G304.212	76	108	302	194
G30429	76	102	737	635
G30510	76	127	257	130
G30517	76	137	440	303
G30518	76	121	451	330
G30519	76	137	492	356
G30522	76	138	568	430

**Standard Flanged Backplates**



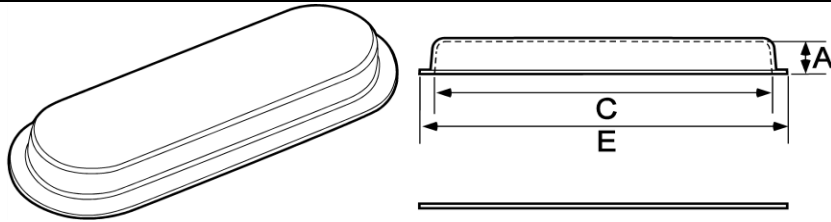
Backplate Part Number	Width "D"	Length "E"
-----------------------	-----------	------------

B3.5x7c	102	206
B3.5x11.5c	98	305
B3.5x10.5c	108	283
B4.5x12c	127	324
B3.2x8.5c	95	232
B3.5x5d	105	143
B6x11d	175	305
B7x12d	191	318
B3.5x9.2d	102	254
B3x21d	102	559
B4.5x7.5d	127	203
B4x12d	121	318
B5x15d	149	394
B5x17d	152	445
B5x19d	149	495
B5x21d	149	543
B5x23d	187	594
B5x27d	140	702
B7x19d	187	492
B7x21d	191	546
B7x23d	191	600
B7x25d	191	651
B7x27d	187	695
B7x30d	191	778
B7x34d	194	892
B4.1x11d	124	298
B6x9.2d	178	260
B4.2x16d	130	435
B5x18.5e	168	505
B6x10e	171	276
B6x17e	165	448
B7x13e	191	343
B7x16e	191	419
B7x21e	191	549
B7x26e	197	673
B9x26e	244	686
B4.5x10e	95	235
B5.2x13f	156	349
B5x30f	146	781
B6x11f	178	305
B6x18f	181	483
B6x19f	171	502
B6x20f	181	537
B6x23f	181	613





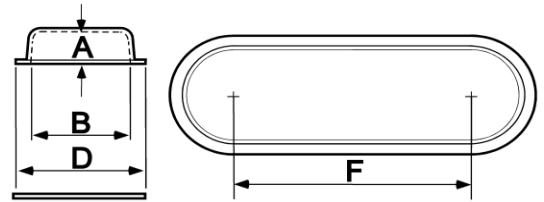
**Standard Flanged Guards**



All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Length "C"	Center "F"
G30525	76	144	640	495
G30523.5	76	133	584	451
G30526	76	137	670	533
G30622	76	143	549	406
G30625	76	143	629	486
G30717	76	171	425	254
G30721	76	184	527	343
G30818	76	203	457	254
G30823	76	206	591	384
G31024	76	251	613	362
G31034	76	251	870	619
G31227	76	298	695	397
G31237	76	298	940	641
G3.50419	89	95	479	384
G3.50618.5	89	159	470	311
G3.50712	89	175	302	127
G3.50715	89	171	378	206
G3.50718	89	171	457	286
G3.50721	89	171	533	362
G3.50724	89	171	613	441
G3.50725	89	171	629	457
G3.50727	89	171	689	518
G3.50730	89	171	765	594
G3.50732	89	171	816	645
G3.50736	89	171	918	746
G3.50740	89	178	1019	841
G3.51027	89	248	689	441
G40616	102	152	406	254
G40619	102	137	483	346
G408.520.5	102	216	521	305
G408.528.5	102	216	724	508
G408.531	102	216	787	572
G40925	102	216	625	410
G40722	108	181	565	384
G4.50922	114	229	559	330
G4.50933	114	232	854	622
G51325	127	330	635	305
G51341	127	330	1041	711
G5.51222	140	305	559	254
G5.51630	140	403	759	356
G61015	152	254	381	127
G61025	152	254	635	381
G61242	152	305	1067	762
G61530	152	381	762	381

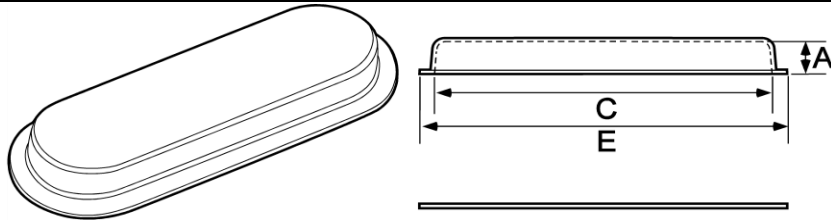
**Standard Flanged Backplates**



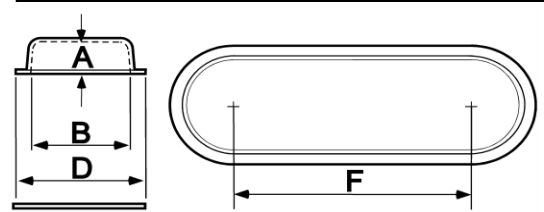
Backplate Part Number	Width "D"	Length "E"
B6x26f	189	684
B6x24.5f	178	629
B6x27f	181	714
B7x23f	191	597
B7x26f	191	676
B8x18f	219	470
B8x22f	229	572
B9x19f	254	508
B9x24f	251	635
B11x25f	298	660
B11x35f	298	918
*B13x28f	305	699
*B13x38f	346	991
B5x20g	143	530
B7x19.5g	210	521
B8x13g	222	349
B8x16g	222	429
B8x19g	222	505
B8x22g	222	584
B8x25g	222	660
B8x26g	219	679
B8x28g	219	737
B8x31g	222	867
B8x33g	222	867
B8x37g	222	972
B8x41g	229	1067
B11x28g	298	740
B7x17g	216	470
B7x20h	191	537
B9.5x21.5h	279	565
B9.5x29.5h	279	768
B9.5x32h	279	826
B10x26h	279	686
B8x23h	232	616
B10x23i	279	610
B10x34i	286	905
*B14x26j	381	686
*B14x42j	394	1105
*B13x23k	362	616
*B17x31k	451	816
B11x16l	279	406
B11x26l	279	660
*B13x43l	362	1124
*B16x31l	464	845



**Standard Flanged Guards**



**Standard Flanged Backplates**



All dimensions measured in millimeters

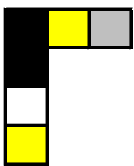
Part Number	Height "A"	Width "B"	Length "C"	Center "F"
G61542	152	381	1067	686
G61554	152	381	1372	991
G61566	152	381	1676	1295
G61649	152	406	1245	838
G61935	152	486	895	410
G61949	152	483	1245	762
G62442	152	610	1067	457
G6.52263.5	165	559	1613	1054
G70715	178	178	381	203
G92048	229	508	1219	711
G10.51450	267	356	1270	914
G121946	305	483	1168	686

Backplate Part Number	Width "D"	Length "E"
*B16x43l	464	1149
*B16x55l	464	1454
*B16x67l	464	1759
*B17x50l	483	1321
*B20x36l	543	959
*B20x50l	559	1321
*B25x43l	699	1156
*B23x64.5m	610	1651
B8x16n	241	445
*B21x49r	533	1245
*B15x51u	425	1340
*B20x47x	575	1260

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Standard Flanged Guards (G) cover belt- or chain-drives with similar sized sheaves or sprockets.
  - The G backplate covers the back of the guard, which can be attached to guards through holes / brackets made through the flange. *NOTE: MGC normal manufacturing policy DOES NOT include cutting holes for shafts or make brackets for mounting. This can be done on special orders.*
  - If standard sized guards do not fit machinery, several guards may be re-sized to make a longer or shorter guard.
  - Height "A", Width "B" and Length "C" are measured at the smallest point on the inside of the guard.
  - Width "D" and Length "E" refer both to the dimensions of the guard measured at the flange and to the dimensions of the matching backplate.
  - Additional sizes are available, contact us for additional information.
- \*In order to provide additional strength, these backplates are made from 4.76mm material. When made of Black or Yellow ABS, backplates are normally 3.18mm.
- Many of the guards in this series are available in lightweight material. Contact us for details.

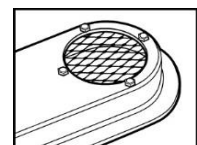
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

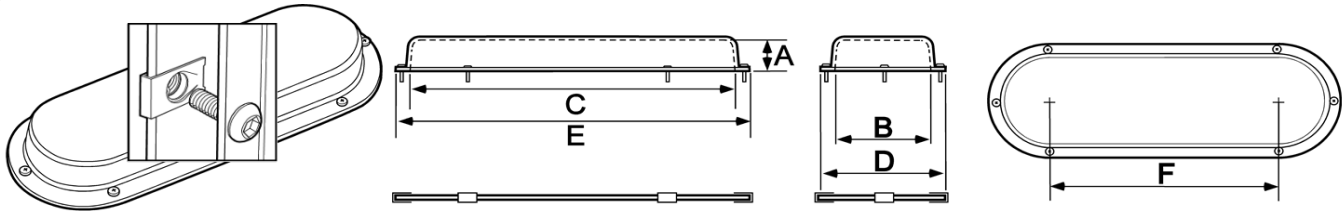
Available Options:

- Gaskets
- Hinges
- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh





Standard Flanged Guards with Safety Captured Fasteners



All dimensions measured in millimeters

Please note: Safety Captured Fastener hardware locations for illustration only.

Part Number	Height "A"	Width "B"	Length "C"	Center "F"	# of SCF
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Backplate Part Number	Width "D"	Length "E"	
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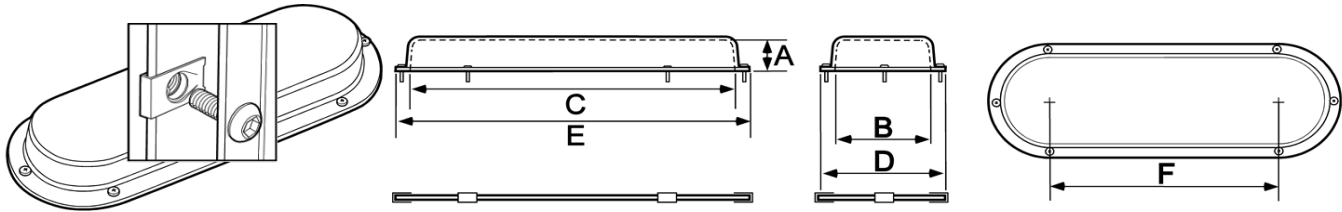
G1.52.506SCF	38	57	162	105	4
G1.52.510.5SCF	38	57	260	203	4
G1.52.59.5SCF	38	57	241	184	4
G1.53.511SCF	40	87	284	195	4
G1.72.27.5SCF	41	57	194	137	4
G1.72.504SCF	44	60	102	38	4
G1.750510SCF	44	130	257	130	4
G1.750611SCF	44	149	276	127	4
G1.802.58.2SCF	44	64	210	149	4
G20220SCF	51	57	511	397	4
G203.506.5SCF	51	89	165	76	4
G20311SCF	51	78	276	198	4
G20414SCF	51	105	346	241	4
G20416SCF	51	108	397	286	4
G20418SCF	51	105	445	343	4
G20420SCF	51	105	498	394	4
G20422SCF	51	105	549	445	6
G20426SCF	51	98	657	562	6
G20618SCF	51	143	445	305	4
G20620SCF	51	146	502	356	4
G20622SCF	51	146	552	410	4
G20624SCF	51	149	603	460	6
G20626SCF	51	143	648	508	6
G20629SCF	51	146	730	587	6
G20633SCF	51	149	845	699	8
G2.103.110SCF	54	79	254	175	4
G2.20508.2SCF	57	127	210	83	4
G2.303.215SCF	60	79	384	305	4
G2.50417.5SCF	64	111	445	333	4
G2.50509SCF	64	124	229	102	4
G2.50516SCF	64	117	400	286	4
G2.50612SCF	64	143	295	152	4
G2.50615SCF	64	146	375	229	4
G2.50620SCF	64	146	502	356	6
G2.50625SCF	64	149	635	489	6
G2.50825SCF	64	197	635	438	6
G2.53.509SCF	64	89	229	140	6
G304.212SCF	76	108	302	194	4
G30429SCF	76	102	737	635	4
G30510SCF	76	127	257	127	4
G30517SCF	76	137	440	303	4
G30518SCF	76	121	451	330	4
G30519SCF	76	137	492	356	6
G30522SCF	76	138	568	430	6

B3.5x11.5cSCF	102	206	
B3.5x10.5cSCF	98	305	
B4.5x12cSCF	108	283	
B3.5x7cSCF	127	324	
B3.2x8.5cSCF	95	232	
B3.5x5dSCF	105	143	
B6x11dSCF	175	305	
B7x12dSCF	191	318	
B3.5x9.2dSCF	102	254	
B3x21dSCF	102	559	
B4.5x7.5dSCF	127	203	
B4x12dSCF	121	318	
B5x15dSCF	149	394	
B5x17dSCF	152	445	
B5x19dSCF	149	495	
B5x21dSCF	149	543	
B5x23dSCF	187	594	
B5x27dSCF	140	702	
B7x19dSCF	187	492	
B7x21dSCF	191	546	
B7x23dSCF	191	600	
B7x25dSCF	191	651	
B7x27dSCF	187	695	
B7x30dSCF	191	778	
B7x34dSCF	194	892	
B4.1x11dSCF	124	298	
B6x9.2dSCF	178	260	
B4.2x16dSCF	130	435	
B5x18.5eSCF	168	505	
B6x10eSCF	171	276	
B6x17eSCF	165	448	
B7x13eSCF	191	343	
B7x16eSCF	191	419	
B7x21eSCF	191	549	
B7x26eSCF	197	673	
B9x26eSCF	244	686	
B4.5x10eSCF	95	235	
B5.2x13fSCF	156	349	
B5x30fSCF	146	781	
B6x11fSCF	178	305	
B6x18fSCF	181	483	
B6x19fSCF	171	502	
B6x20fSCF	181	537	
B6x23fSCF	181	613	





Standard Flanged Guards with Safety Captured Fasteners



All dimensions measured in millimeters

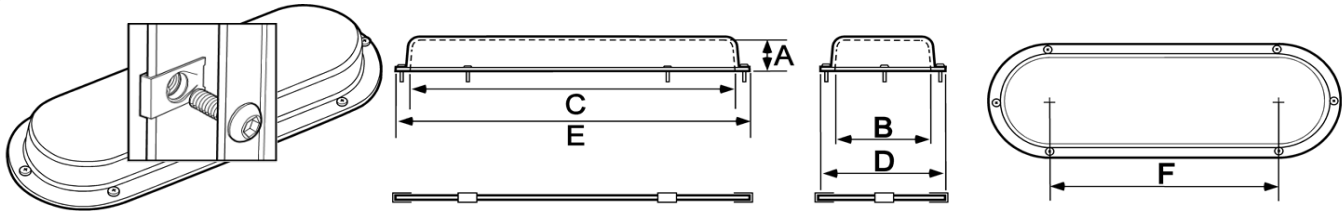
Please note: Safety Captured Fastener hardware locations for illustration only.

Part Number	Height "A"	Width "B"	Length "C"	Center "F"	# of SCF
G30525SCF	76	144	640	495	6
G30523.5SCF	76	133	584	459	6
G30526SCF	76	137	670	533	6
G30622SCF	76	143	549	406	6
G30625SCF	76	143	629	486	6
G30717SCF	76	171	425	254	4
G30721SCF	76	184	527	343	6
G30818SCF	76	203	457	254	4
G30823SCF	76	206	591	384	6
G31024SCF	76	251	613	362	6
G31034SCF	76	251	870	616	8
G31227SCF	76	298	695	394	6
G31237SCF	76	298	940	635	8
G3.50419SCF	89	95	479	387	4
G3.50618.5SCF	89	159	470	311	6
G3.50712SCF	89	175	302	127	4
G3.50715SCF	89	171	378	206	4
G3.50718SCF	89	171	457	286	6
G3.50721SCF	89	171	533	362	6
G3.50724SCF	89	171	613	441	6
G3.50725SCF	89	171	629	460	6
G3.50727SCF	89	171	689	518	6
G3.50730SCF	89	171	765	597	6
G3.50732SCF	89	171	816	648	8
G3.50736SCF	89	171	918	749	8
G3.50740SCF	89	178	1019	838	8
G3.51027SCF	89	248	689	441	6
G40616SCF	102	152	406	254	4
G40619SCF	102	137	483	346	6
G408.520.5SCF	102	216	521	305	6
G408.528.5SCF	102	216	724	508	6
G408.531SCF	102	216	787	572	6
G40925SCF	102	229	635	406	6
G40722SCF	108	181	565	384	6
G4.50922SCF	114	229	559	330	6
G4.50933SCF	114	232	854	619	8
G51325SCF	127	330	635	305	6
G51341SCF	127	330	1041	711	8
G5.51222SCF	140	305	559	254	8
G5.51630SCF	140	403	759	356	8
G61015SCF	152	254	381	127	4
G61025SCF	152	254	635	381	6
G61242SCF	152	305	1067	762	8
G61530SCF	152	381	762	381	8

Backplate Part Number	Width "D"	Length "E"	
B6x26fSCF	189	684	
B6x24.5fSCF	178	629	
B6x27fSCF	181	714	
B7x23fSCF	191	597	
B7x26fSCF	191	676	
B8x18fSCF	219	470	
B8x22fSCF	229	572	
B9x19fSCF	254	508	
B9x24fSCF	251	635	
B11x25fSCF	298	660	
B11x35fSCF	298	918	
B13x28fSCF	305	699	
*B13x38fSCF	346	991	
B5x20gSCF	143	530	
B7x19.5gSCF	210	521	
B8x13gSCF	222	349	
B8x16gSCF	222	429	
B8x19gSCF	222	505	
B8x22gSCF	222	584	
B8x25gSCF	222	660	
B8x26gSCF	219	679	
B8x28gSCF	219	737	
B8x31gSCF	222	867	
B8x33gSCF	222	867	
B8x37gSCF	222	972	
B8x41gSCF	229	1067	
B11x28gSCF	298	740	
B7x17gSCF	216	470	
B7x20hSCF	191	537	
B9.5x21.5hSCF	279	565	
B9.5x29.5hSCF	279	768	
B9.5x32hSCF	279	826	
B10x26hSCF	279	686	
B8x23hSCF	232	616	
B10x23iSCF	279	610	
B10x34iSCF	286	905	
*B14x26jSCF	400	705	
*B14x42jSCF	413	1124	
*B13x23kSCF	381	635	
*B17x31kSCF	470	835	
B7x26lSCF	302	429	
B7x26lSCF	302	683	
*B13x43lSCF	381	1143	
*B16x31lSCF	483	864	



**Standard Flanged Guards with Safety Captured Fasteners**



All dimensions measured in millimeters

Please note: Safety Captured Fastener hardware locations for illustration only.

Part Number	Height "A"	Width "B"	Length "C"	Center "F"	# of SCF
G61542SCF	152	381	1067	686	8
G61554SCF	152	381	1372	991	12
G61566SCF	152	381	1676	1295	14
G61649SCF	152	406	1245	838	10
G61935SCF	152	486	895	410	10
G61949SCF	152	483	1245	762	10
G62442SCF	152	610	1067	457	10
G6.52263.5SCF	165	559	1613	1054	12
G70715SCF	178	178	381	203	4
G90248SCF	229	508	1219	660	8
G10.51450SCF	267	356	1270	914	10
G121946SCF	305	483	1168	TBD	8

Backplate Part Number	Width "D"	Length "E"	
*B16x43ISCF	483	1168	
*B16x55ISCF	483	1473	
*B16x67ISCF	483	1778	
*B17x50ISCF	502	1340	
*B20x36ISCF	562	978	
*B20x50ISCF	578	1340	
*B25x43ISCF	699	1156	
*B23x64.5mSCF	629	1670	
*B8x16nSCF	241	445	
*B21x49rSCF	533	1245	
*B15x51uSCF	445	1340	
*B20x47xSCF	575	1260	

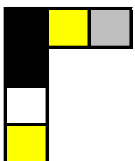
**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

Our Safety Captured Fastener program has been designed for the maximum convenience of maintenance personnel while at the same time conforming to the most rigid "hand tool needed for removal" interpretation of ANSI regulations (ANSI B11.19-2010 Section 7.2.6 Guards).

This system includes: holes drilled for the fasteners, u-nuts on the backplate, and button head socket cap screws attached to the guard. The button head socket cap screws are matched to the thickness of the guard and backplate for a snug fit, and must be turned with a 5/32" hex driver. They are permanently installed with push retainers so they cannot detach easily.

Standardized Safety Captured Fastener mounting locations for each part number have been established. Should your guard application require custom locations, please contact us to discuss options.

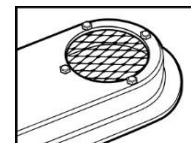
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

- Gaskets
- Hinges
- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh





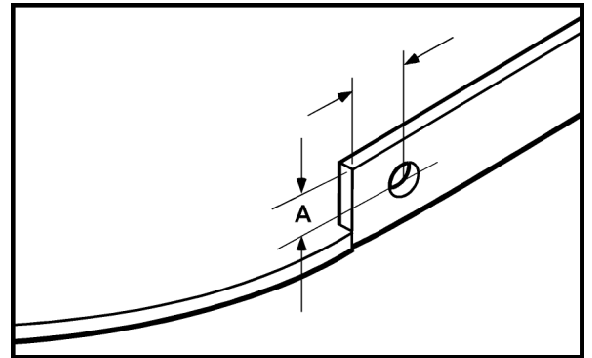
# Unflanged Guard Assembly Guide

1. Locate holes no less than 1/4" away from the edge of the backplate Tab.

Dimension "A" should be 7/16" for a 10-24 u-nut or 3/4" for a 1/4-20 u-nut.

Drill Clearance holes for machine screws.

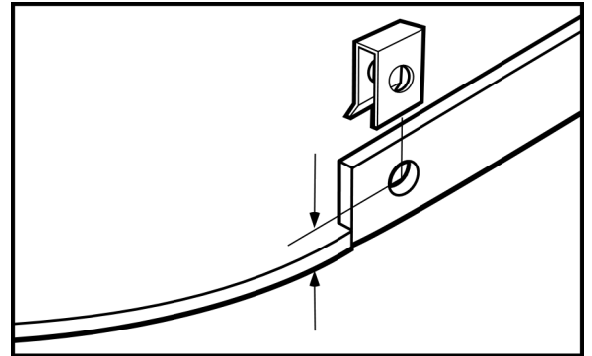
3/16" for 10-24  
5/16" for 1/4-20



2. Make a reference mark on the edge of the backplate where the tab bends up.

Measure the distance from the back of the backplate to the center of the hole. This is needed to locate the corresponding mounting holes on the guard.

Slide the u-nut over the hole.

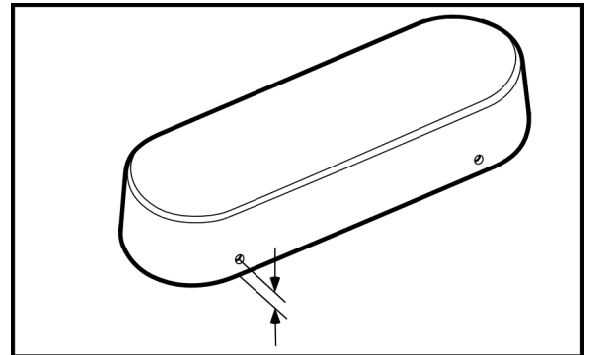


3. Place the backplate in the guard with tabs inward.

Using the marks and measurements from the previous steps, locate the screw holes for the guard.

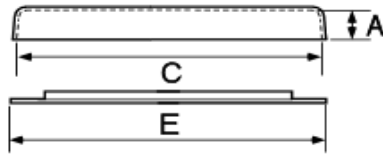
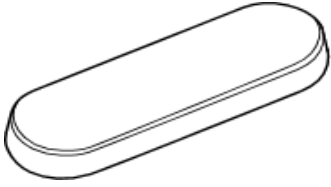
Remove the backplate and drill the guard mounting holes using the same bit as in step one.

4. Locate and drill holes for shafts as needed.

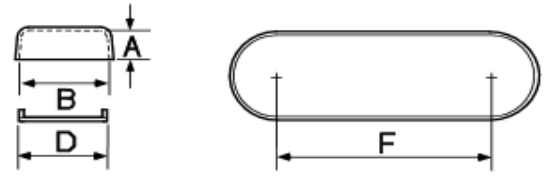




Standard Unflanged Guards



Standard Unflanged Backplates



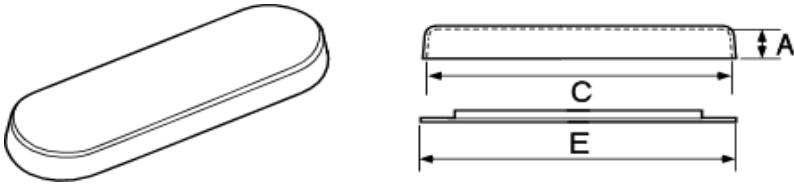
All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Length "C"	Center "F"
UG102.506	25	57	162	105
UG102.510.5	25	57	260	203
UG102.59.5	25	57	241	184
UG1.22.27.5	29	57	194	137
UG1.22.504	32	60	102	38
UG1.250510	32	130	257	130
UG1.250611	32	149	276	127
UG1.302.58.2	32	64	210	149
UG1.50220	38	57	511	397
UG1.503.506.5	38	89	165	76
UG1.50311	38	78	276	198
UG1.50414	38	105	346	241
UG1.50416	38	108	397	286
UG1.50418	38	105	445	343
UG1.50420	38	105	498	394
UG1.50422	38	105	549	445
UG1.50426	38	98	657	562
UG1.50618	38	143	445	305
UG1.50620	38	146	502	356
UG1.50622	38	146	552	410
UG1.50624	38	149	603	460
UG1.50626	38	143	648	508
UG1.50629	38	146	730	587
UG1.50633	38	149	845	699
UG1.603.110	41	79	254	175
UG1.80408.2	44	127	210	83
UG1.903.215	48	79	384	305
UG203.509	51	89	229	140
UG20417.5	51	111	445	333
UG20509	51	124	229	102
UG20516	51	117	400	286
UG20612	51	143	295	152
UG20615	51	146	375	229
UG20620	51	146	502	356
UG20625	51	149	635	489
UG20825	51	197	635	438
UG2.50429	64	102	737	635
UG2.50510	64	127	257	127
UG2.50517	64	137	438	302
UG2.50518	64	121	451	330
UG2.50519	64	137	492	356
UG2.50522	64	138	568	432
UG2.50523.5	64	133	584	457

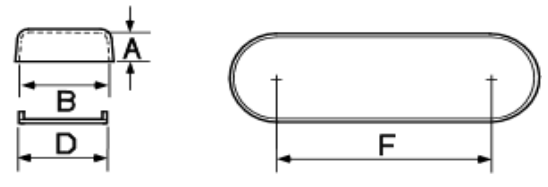
Backplate Part Number	Width "D"	Length "E"
UB2.5x6b	60	165
UB2.5x10.5b	57	264
UB2.5x9.5b	67	241
UB2.2x7.5b	54	191
UB2.5x4c	64	98
UB5x10c	133	260
UB2.5x8.2c	149	276
UB3x8c	67	213
UB2x20c	102	559
UB3.5x6.5c	89	165
UB3x11c	83	283
UB4x14c	108	352
UB4x16c	111	403
UB4x18c	108	454
UB4x20c	108	502
UB4x22c	108	552
UB4x26c	98	660
UB6x18c	146	451
UB6x20c	149	505
UB6x22c	149	559
UB6x24c	149	610
UB6x26c	146	654
UB6x29c	149	737
UB6x33c	152	851
UB3.1x10c	76	251
UB4x8.2d	127	210
UB3.2x15d	79	384
UB3.5x9d	95	235
UB4x17.5d	108	441
UB5x9d	130	235
UB5x16d	124	406
UB6x12d	149	302
UB6x15d	149	381
UB6x20d	149	508
UB6x25d	156	645
UB8x25d	203	641
UB4x29e	105	740
UB5x10e	137	264
UB5x17e	146	451
UB5x18e	127	460
UB5x19e	140	495
UB5x22e	140	600
UB5x23.5e	133	584



Standard Unflanged Guards



Standard Unflanged Backplates



All dimensions measured in millimeters

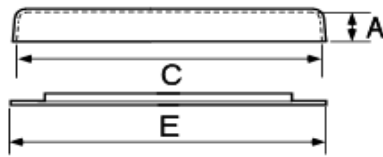
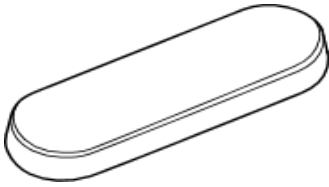
Part Number	Height "A"	Width "B"	Length "C"	Center "F"
UG2.50525	64	144	640	495
UG2.50526	64	137	670	533
UG2.50622	64	143	549	406
UG2.50625	64	143	629	486
UG2.50717	64	171	425	254
UG2.50721	64	184	527	343
UG2.50818	64	203	457	254
UG2.50823	64	206	591	384
UG2.51024	64	251	613	362
UG2.51034	64	251	870	616
UG2.51227	64	298	695	394
UG2.51237	64	298	940	635
UG2.54.212	64	108	302	194
UG30419	76	95	479	387
UG30618.5	76	159	470	311
UG30712	76	175	302	127
UG30715	76	171	378	206
UG30718	76	171	457	286
UG30721	76	171	533	362
UG30724	76	171	613	435
UG30725	76	171	629	460
UG30727	76	171	689	518
UG30730	76	171	765	597
UG30732	76	171	816	648
UG30736	76	171	918	749
UG30740	76	178	1019	838
UG31027	76	248	689	441
UG3.50616	89	152	406	254
UG3.50619	89	137	483	346
UG3.50722	89	181	565	384
UG3.508.531	89	216	787	572
UG3.50925	89	229	635	483
UG3.58.520.5	89	216	521	305
UG3.58.528.5	89	216	724	508
UG40922	102	229	559	330
UG40933	102	232	854	619
UG4.51325	114	330	635	305
UG4.51341	114	330	1041	711
UG51222	127	305	559	254
UG51630	127	403	759	356
UG5.51015	140	254	381	127
UG5.51025	140	254	635	381
UG5.51242	140	305	1067	762
UG5.51530	140	381	762	381

Backplate Part Number	Width "D"	Length "E"
UB5x25e	143	638
UB5x26e	140	673
UB6x22e	149	556
UB6x25e	149	635
UB7x17e	178	432
UB7x21e	187	533
UB8x18e	203	457
UB8x23e	216	597
UB10x24e	257	619
UB10x34e	257	876
*UB12x27e	305	699
*UB12x37e	305	953
UB4.2x12e	114	308
UB4x19f	102	489
UB6x18.5f	165	470
UB7x12f	181	308
UB7x15f	181	387
UB7x18f	178	464
UB7x21f	181	543
UB7x24f	181	619
UB7x25f	178	638
UB7x27f	178	695
UB7x30f	178	775
UB7x32f	178	826
UB7x36f	181	930
UB7x40f	187	1026
UB10x27f	257	699
UB7x17g	216	470
UB6x19g	149	495
UB7x22g	191	575
UB8.5x31g	216	787
UB9x25g	229	635
UB8.5x20.5g	222	527
UB8.5x28.5g	222	527
UB9x22h	244	568
UB9x33h	244	864
*UB13x25i	330	635
*UB13x41i	330	1041
*UB12x22j	324	578
*UB16x30j	413	768
UB10x15k	254	381
UB10x15k	254	635
*UB12x42k	305	1067
*UB15x30k	381	762

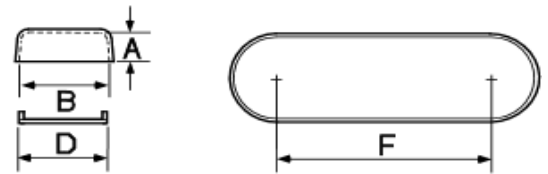




**Standard Unflanged Guards**



**Standard Unflanged Backplates**



All dimensions measured in millimeters

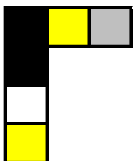
Part Number	Height "A"	Width "B"	Length "C"	Center "F"
UG5.51542	140	381	1067	686
UG5.51554	140	381	1372	991
UG5.51566	140	381	1676	1295
UG5.51642	140	406	1067	762
UG5.51935	140	486	895	410
UG5.51949	140	483	1245	838
UG5.52442	140	610	1067	457
UG62263.5	152	559	1613	1054
UG6.50715	165	178	381	203
UG8.52048	216	508	1245	660
UG101450	254	356	1270	914
UG11.51946	292	483	1168	TBD

Backplate Part Number	Width "D"	Length "E"
*UB15x42k	381	1067
*UB15x54k	381	1372
*UB15x66k	381	1676
*UB16x42k	324	1086
*UB19x35k	505	921
*UB19x49k	483	1321
*UB24x42k	610	1067
*UB22x63.5k	559	1626
UB7x15m	203	406
*UB20x48q	508	1219
*UB14x50t	356	1270
*UB19x47k	483	1194

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Standard Unflanged Guards (UG) cover belt- or chain-drives with similar sized sheaves or sprockets.
  - The UG backplate covers the back of the guard, which can be attached to guards through holes / brackets made through the flange. *NOTE: MGC normal manufacturing policy DOES NOT include cutting holes for shafts or make brackets for mounting. This can be done on special orders.*
  - If standard sized guards do not fit machinery, several guards may be re-sized to make a longer or shorter guard.
  - Height "A", Width "B" and Length "C" are measured at the smallest point on the inside of the guard.
  - Width "D" and Length "E" refer both to the dimensions of the guard measured at the widest point and to the dimensions of the matching backplate.
  - Additional sizes are available, contact us for additional information.
- \*In order to provide additional strength, these backplates are made from 4.76mm material. When made of Black or Yellow ABS, backplates are normally 3.18mm.
- Many of the guards in this series are available in lightweight material. Contact us for details.

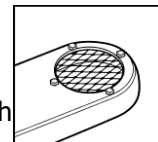
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

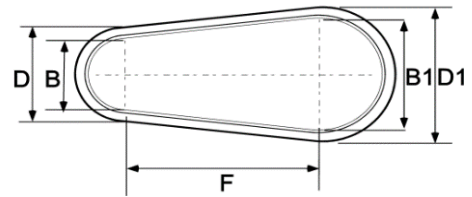
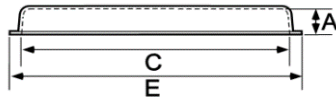
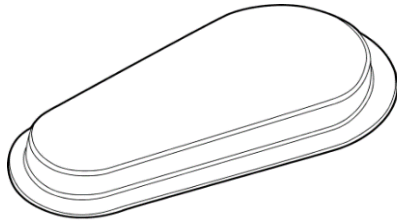
- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh





**Tapered Flanged Guards**

**Tapered Flanged Backplates**



All dimensions measured in millimeters

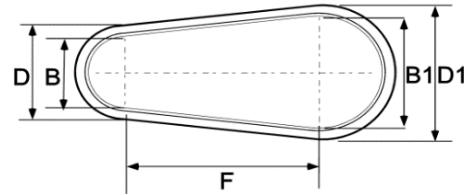
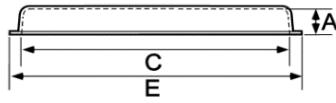
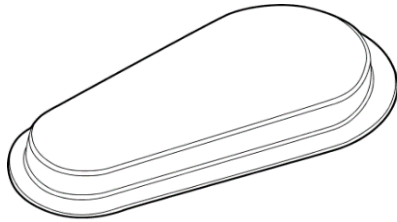
Part Number	Height "A"	Small Dia "B"	Large Dia "B1"	Length "C"	Center "E"
TG1.70717.5	44	108	181	448	305
TG20406	51	35	86	140	79
TG25.59.5	51	95	140	235	117
TG2.50513	64	92	114	330	222
TG2.53.58.5	64	38	83	210	149
TG2.81128	70	216	279	730	470
TG30412	76	92	105	298	200
TG30512	76	102	127	311	200
TG30514	76	73	124	356	257
TG30515	76	98	117	381	276
TG30714	76	95	165	349	222
TG30715	76	102	178	381	241
TG30720	76	127	171	489	349
TG30812	76	102	203	305	152
TG31120	76	178	283	508	283
TG31126	76	213	276	648	406
TG31428	76	184	356	727	457
TG32340	76	178	584	1016	635
TG3.20836.5	83	146	203	927	749
TG3.20514	86	76	127	365	264
TG3.50819	89	127	206	486	321
TG3.50823	89	117	200	562	406
TG3.51025	89	159	238	622	429
TG3.51424	89	152	356	610	356
TG3.51642	89	229	406	1048	749
TG3.51828	89	273	457	708	343
TG40829	102	146	210	733	552
TG41015.7	102	165	254	400	191
TG41326	102	254	337	673	368
TG41430	102	254	340	733	432
TG41621	102	152	413	518	244
TG41630	102	203	406	762	457
TG41633	102	203	406	838	533
TG41638	102	203	406	965	660
TG41645.5	102	229	406	1156	838
TG41727	102	232	419	676	351
TG41733	102	318	419	838	448
TG4.51025	114	159	238	622	429
TG4.50854	114	181	203	1372	1153
TG4.51143	114	210	279	1073	832
TG4.51235	114	159	292	851	676
TG4.51642	114	222	400	1060	737
TG4.52855	114	356	711	1397	864
TG51020	127	178	254	511	298

Backplate Part Number	Small Dia "D"	Large Dia "D1"	Length "E"
TB9x19.5d	152	229	492
TB6x8d	79	133	184
TB7.5x11.5d	140	184	292
TB7x15e	140	162	375
TB5.5x10.5e	85	140	267
TB13x30f	267	330	762
TB6x14f	140	156	349
TB7x14f	152	175	362
TB7x16f	140	186	403
TB7x17f	146	165	432
TB9x16f	143	213	400
TB9x17f	152	229	432
TB9x22f	178	222	546
TB10x14f	152	254	356
TB13x22f	225	330	559
TB13x28f	260	324	699
*TB16x30f	229	400	775
*TB25x42f	225	632	1064
TB10x38.5g	194	251	975
TB7x16g	121	171	410
TB10x21g	178	257	540
TB10x25g	165	248	616
TB12x27g	206	286	673
TB16x26g	203	406	660
*TB18x44g	279	457	1118
*TB20x30g	318	502	752
TB10x31h	197	260	784
TB12x18h	216	305	451
*TB15x28h	298	375	676
*TB16x32h	324	400	762
*TB18x23h	203	464	584
*TB18x32h	260	464	819
*TB18x35h	260	464	895
*TB18x40h	260	464	1022
*TB18x47.5h	279	457	1207
*TB19x29h	248	476	864
*TB19x35h	375	476	838
TB12x27i	206	286	673
TB10x56i	222	248	1410
TB13x45i	248	324	1080
*TB14x37i	216	343	921
*TB18x44i	276	454	1114
*TB30x57i	406	762	1448
TB12x22j	235	311	572



**Tapered Flanged Guards**

**Tapered Flanged Backplates**



All dimensions measured in millimeters

Part Number	Height "A"	Small Dia "B"	Large Dia "B1"	Length "C"	Center "F"
TG51225	127	203	305	635	394
TG51337	127	114	330	940	724
TG51442	127	254	356	1067	762
TG51525	127	203	381	635	343
TG51948	127	254	483	1219	851
TG53351	127	254	838	1295	737
TG5.21833	133	254	448	835	495
TG5.51738	140	330	425	949	584
TG5.51949	140	241	483	1238	876
TG5.52144	140	362	514	1089	651
TG61235	152	216	305	883	260
TG6.22261	159	356	559	1549	1092
TG7.21928	184	159	495	705	394
TG90244	229	406	508	1118	660

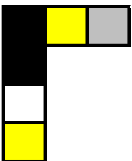
Backplate Part Number	Small Dia "D"	Large Dia "D1"	Length "E"
*TB14x27j	260	362	692
*TB15X39j	168	384	1000
*TB16x44j	305	406	1118
*TB17x27j	260	438	692
*TB21x50j	305	533	1270
*TB35x53j	305	889	1346
*TB20x35j	305	514	908
*TB19x40k	381	483	965
*TB21x51k	298	540	1295
*TB23x46k	432	584	1118
*TB14x37l	267	356	933
*TB24x63l	406	610	1600
*TB21x30n	232	597	810
*TB22x46r	457	559	1168

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Tapered Flanged Guards (TG) cover belt- or chain-drives with different sized sheaves or sprockets.
- The TG backplate covers the back of the guard, which can be attached to guards through holes / brackets made through the flange. *NOTE: MGC normal manufacturing policy DOES NOT include cutting holes for shafts or make brackets for mounting. This can be done on special orders.*
- Height "A", Width "B", "B-1", and Length "C" are measured at the smallest point on the inside of the guard.
- Width "D", "D-1", and Length "E" refer both to the dimensions of the guard measured at the flange and to the dimensions of the matching backplate.
- Additional sizes are available, contact us for additional information.

\*In order to provide additional strength, these backplates are made from 4.76mm material. When made of Black or Yellow ABS, backplates are normally 3.18mm.

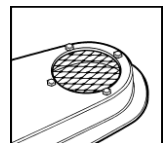
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

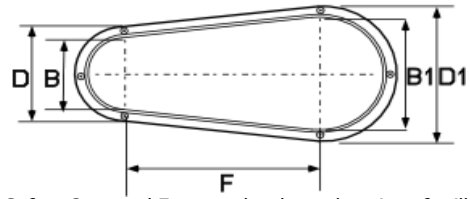
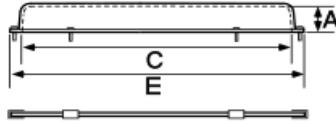
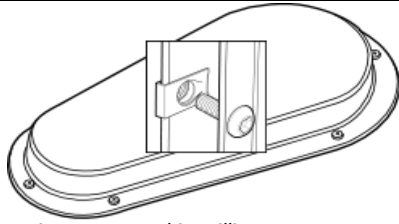
Available Options:

- Gaskets
- Hinges
- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh





**Tapered Flanged Guards with Safety Captured Fasteners**



All dimensions measured in millimeters

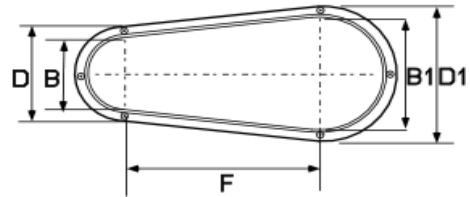
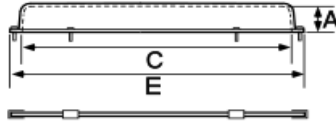
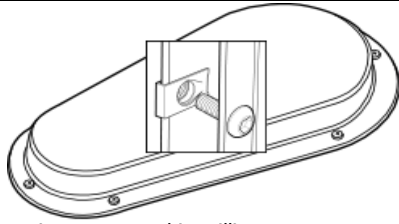
Please note: Safety Captured Fastener hardware locations for illustration only.

Part Number	Height "A"	Small Dia "B"	Large Dia "B1"	Length "C"	Center "F"	# of SCF
TG1.70717.5SCF	44	108	181	448	305	4
TG20406SCF	51	35	86	140	79	4
TG25.59.5SCF	51	95	140	235	117	4
TG2.50513SCF	64	92	114	330	222	4
TG2.53.58.5SCF	64	38	83	210	149	6
TG2.81128SCF	70	216	279	730	470	4
TG30412SCF	76	92	105	298	200	4
TG30512SCF	76	102	127	311	200	4
TG30514SCF	76	73	124	356	257	4
TG30515SCF	76	98	117	381	276	4
TG30714SCF	76	95	165	349	222	4
TG30715SCF	76	102	178	381	241	4
TG30720SCF	76	127	171	489	349	6
TG30812SCF	76	102	203	305	152	4
TG31120SCF	76	178	283	508	283	6
TG31126SCF	76	213	276	648	406	6
TG31428SCF	76	184	356	727	457	6
TG32340SCF	76	178	584	1016	635	8
TG3.20836.5SCF	83	146	203	927	749	4
TG3.20514SCF	86	76	127	365	264	8
TG3.50819SCF	89	127	206	486	321	6
TG3.50823SCF	89	117	200	562	406	6
TG3.51025SCF	89	159	238	622	429	6
TG3.51424SCF	89	152	356	610	356	6
TG3.51642SCF	89	229	406	1048	749	8
TG3.51828SCF	89	273	457	708	343	6
TG40829SCF	102	146	210	733	552	6
TG410153.7SCF	102	165	254	400	191	6
TG41326SCF	102	254	337	673	368	6
TG41430SCF	102	254	340	733	432	6
TG41621SCF	102	152	413	518	244	6
TG41630SCF	102	203	406	762	457	6
TG41633SCF	102	203	406	838	533	6
TG41638SCF	102	203	406	965	660	6
TG41645.5SCF	102	229	406	1156	838	8
TG41727SCF	102	232	419	676	351	6
TG41733SCF	102	318	419	838	448	8
TG4.51025SCF	114	159	238	622	429	6
TG4.50854SCF	114	181	203	1372	1153	10
TG4.51143SCF	114	210	279	1073	832	8
TG4.51235SCF	114	159	292	851	676	8
TG4.51642SCF	114	222	400	1060	737	8
TG4.52855SCF	114	356	711	1397	864	10

Backplate Part Number	Small Dia "D"	Large Dia "D1"	Length "E"
TB9x19.5dSCF	152	229	492
TB6x8dSCF	79	133	184
TB7.5x11.5dSCF	140	184	292
TB7x15eSCF	140	162	375
TB5.5x10.5eSCF	85	140	267
TB13x30fSCF	267	330	762
TB6x14fSCF	140	156	349
TB7x14fSCF	152	175	362
TB7x16fSCF	140	186	403
TB7x17fSCF	146	165	432
TB9x16fSCF	143	213	400
TB9x17fSCF	152	229	432
TB9x22fSCF	178	222	546
TB10x14fSCF	152	254	356
TB13x22fSCF	225	330	559
TB13x28fSCF	260	324	699
*TB16x30fSCF	229	400	775
*TB25x42fSCF	225	632	1064
TB10x38.5gSCF	194	251	975
TB7x16gSCF	121	171	410
TB10x21gSCF	178	257	540
TB10x25gSCF	165	248	616
TB12x27gSCF	206	286	673
TB16x26gSCF	203	406	660
*TB18x44gSCF	279	457	1118
*TB20x30gSCF	318	502	752
TB10x31hSCF	197	260	784
TB12x18hSCF	216	305	451
*TB15x28hSCF	298	375	660
*TB16x32hSCF	324	400	762
*TB18x23hSCF	203	464	584
*TB18x32hSCF	260	464	819
*TB18x35hSCF	260	464	895
*TB18x40hSCF	260	464	1022
*TB18x47.5hSCF	279	457	1207
*TB19x29hSCF	248	476	864
*TB19x35hSCF	375	476	838
TB12x27iSCF	206	286	673
TB10x56iSCF	222	248	1410
TB13x45iSCF	248	324	1080
TB14x37iSCF	216	343	921
*TB18x44iSCF	276	454	1114
*TB30x57iSCF	406	762	1448



**Tapered Flanged Guards with Safety Captured Fasteners**



All dimensions measured in millimeters

Please note: Safety Captured Fastener hardware locations for illustration only.

Part Number	Height "A"	Small Dia "B"	Large Dia "B1"	Length "C"	Center "F"	# of SCF	Backplate Part Number	Small Dia "D"	Large Dia "D1"	Length "E"
TG51020SCF	127	178	254	511	298	4	TB12x22jSCF	235	311	572
TG51225SCF	127	203	305	635	394	6	TB14x27jSCF	260	362	692
TG51337SCF	127	114	330	940	724	8	*TB15X39jSCF	168	384	1000
TG51442SCF	127	254	356	1067	762	6	*TB16x44jSCF	305	406	1118
TG51525SCF	127	203	381	635	343	8	*TB17x27jSCF	260	438	692
TG51948SCF	127	254	483	1219	851	10	*TB21x50jSCF	305	533	1270
TG53346SCF	127	254	838	1295	737	10	*TB35x53jSCF	305	889	1346
TG5.21833SCF	133	254	448	835	495	8	*TB20x35jSCF	305	514	908
TG5.51738SCF	140	330	425	949	584	8	*TB19x40kSCF	381	483	965
TG5.51949SCF	140	241	483	1238	876	10	*TB21x51kSCF	298	540	1295
TG5.52144SCF	140	362	514	1089	651	10	*TB23x46kSCF	432	584	1118
TG61235SCF	152	216	305	883	260	8	*TB14x37lSCF	267	356	933
TG6.22261SCF	159	356	559	1549	1092	12	*TB24x63lSCF	406	610	1600
TG7.21928SCF	184	159	495	705	394	10	*TB21x30nSCF	232	597	810
TG92044SCF	229	406	508	1118	660	12	*TG22x46rSCF	457	559	1168

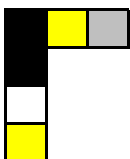
**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

Our Safety Captured Fastener program has been designed for the maximum convenience of maintenance personnel while at the same time conforming to the most rigid "hand tool needed for removal" interpretation of ANSI regulations (ANSI B11.19-2010 Section 7.2.6 Guards).

This system includes: holes drilled for the fasteners, u-nuts on the backplate, and button head socket cap screws attached to the guard. The button head socket cap screws are matched to the thickness of the guard and backplate for a snug fit, and must be turned with a 5/32" hex driver. They are permanently installed with push retainers so they cannot detach easily.

Standardized Safety Captured Fastener mounting locations for each part number have been established. Should your guard application require custom locations, please contact us to discuss options.

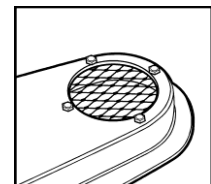
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

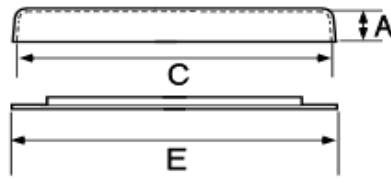
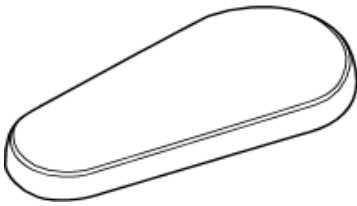
- Gaskets
- Hinges
- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh







**Tapered Unflanged Guards**

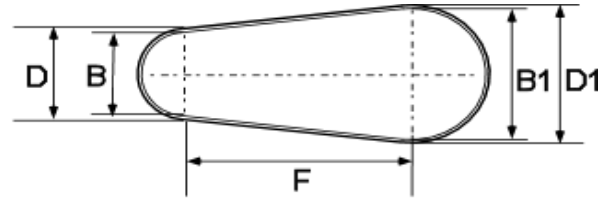


All dimensions measured in millimeters

Part Number	Height "A"	Small Dia "B"	Large Dia "B1"	Length "C"	Center "E"
-------------	------------	---------------	----------------	------------	------------

UTG1.20717.5	32	108	181	448	305
UTG1.50406	38	35	86	140	79
UTG1.55.59.5	38	95	140	235	117
UTG2.03.58.5	51	38	83	210	149
UTG20513	51	92	114	330	222
UTG2.21128	57	216	279	730	470
UTG2.50412	64	92	105	298	200
UTG2.50512	64	102	127	311	200
UTG2.50514	64	73	124	356	257
UTG2.50515	64	98	117	381	276
UTG2.50714	64	95	165	349	222
UTG2.50715	64	102	178	381	241
UTG2.50720	64	127	171	489	349
UTG2.50812	64	102	203	305	152
UTG2.51120	64	178	283	508	283
UTG2.51126	64	213	276	648	406
UTG2.51428	64	184	356	727	457
UTG2.52340	64	178	584	1016	635
UTG2.70514	67	76	127	365	264
UTG2.70836.5	70	146	203	927	749
UTG30819	76	127	206	486	321
UTG30823	76	117	200	562	406
UTG31025	76	159	238	622	429
UTG31424	76	152	356	610	356
UTG31642	76	229	406	1048	749
UTG31828	76	273	457	708	343
UTG3.41015.7	89	165	254	400	197
UTG3.50829	89	146	210	733	552
UTG3.51326	89	254	337	673	368
UTG3.51430	89	254	340	733	432
UTG3.51621	89	152	413	518	244
UTG3.51630	89	203	406	762	457
UTG3.51633	89	203	406	838	533
UTG3.51638	89	203	406	965	660
UTG3.51645.5	89	229	406	1156	838
UTG3.51727.5	89	232	419	676	351
UTG3.51733	89	318	419	838	448
UTG41025	102	159	238	622	429
UTG40854	102	181	203	1372	1153
UTG41143	102	210	279	1073	832
UTG41235	102	159	292	851	676
UTG41642	102	222	400	1060	737
UTG42855	102	356	711	1397	864
UTG4.51020	114	178	254	511	298

**Tapered Unflanged Backplates**

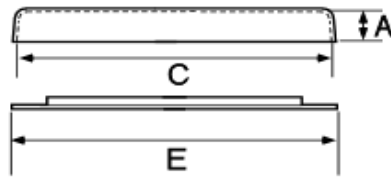
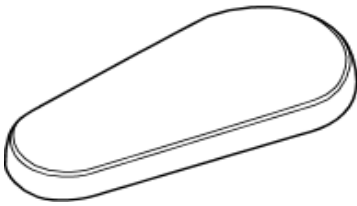


Backplate Part Number	Small Dia "D"	Large Dia "D1"	Length "E"
-----------------------	---------------	----------------	------------

UTB7x17.5c	114	191	454
UTB4x6c	38	92	146
UTB5.5x9.5c	102	143	241
UTB3.5x8.5d	44	89	216
UTB5x13d	98	121	337
UTB11x28e	216	279	730
UTB4x12e	98	111	311
UTB5x12e	121	140	324
UTB5x14e	73	124	356
UTB5x15e	114	133	394
UTB7x14e	108	178	362
UTB7x15e	114	191	394
UTB7x20e	146	191	508
UTB8x12e	121	222	324
UTB11x20e	184	286	508
UTB11x26e	219	283	660
*UTB14x28e	197	368	740
*UTB23x40e	197	603	648
UTB5x14f	76	127	365
UTB8x36.5f	156	213	937
UTB8x19f	137	216	502
UTB8x23f	124	200	572
UTB10x25f	159	248	635
UTB16x26f	203	406	660
*UTB16x42f	241	419	1080
*UTB18x28f	286	470	695
UTB10x15.7g	165	254	400
UTB8x29g	159	222	746
*UTB13x26g	260	340	546
*UTB14x30g	295	371	762
*UTB16x21g	140	422	546
*UTB16x30g	260	464	819
*UTB16x33g	260	464	895
*UTB16x38g	260	464	1022
*UTB16x45.5g	241	419	1168
*UTB17x27.5g	241	448	864
*UTB17x33g	314	448	838
UTB10x25h	159	248	635
UTB8x54h	194	219	1410
UTB11x43h	216	295	1080
*UTB12x35h	187	314	883
*UTB16x42h	235	413	1073
*UTB28x55h	356	711	1397
UTB10x20i	197	273	533



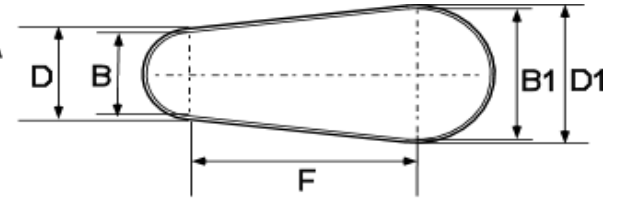
**Tapered Unflanged Guards**



All dimensions measured in millimeters

Part Number	Height "A"	Small Dia "B"	Large Dia "B1"	Length "C"	Center "F"
UTG4.51225	114	203	305	635	394
UTG4.51337	114	114	330	940	724
UTG4.51442	114	254	356	1067	762
UTG4.51525	114	203	381	635	343
UTG4.51948	114	254	483	1219	851
UTG4.53351	114	254	838	1295	737
UTG4.71834	121	254	448	835	495
UTG5.1738	127	330	425	949	584
UTG5.1949	127	241	483	1238	876
UTG5.2144	127	362	514	1089	651
UTG5.51235	140	216	305	883	260
UTG5.72261	146	356	559	1549	1092
UTG6.72129	171	159	495	705	394
UTG8.52044	216	406	508	1118	660

**Tapered Unflanged Backplates**



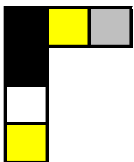
Backplate Part Number	Small Dia "D"	Large Dia "D1"	Length "E"
*UTB12x25i	222	324	667
*UTB13x37i	130	346	981
*UTB14x42i	254	356	1067
*UTB15x25i	222	375	667
*UTB19x48i	254	483	1219
*UTB33x51i	254	838	1346
*UTB18x34j	279	489	870
*UTB17x38j	356	457	965
*UTB19x49j	257	498	1254
*UTB21x44j	406	559	1118
*UTB12x35k	216	305	883
*UTB22x61k	375	578	1568
*UTB21x29n	213	581	772
*UTB20x44q	406	508	1118

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Tapered Unflanged Guards (UTG) cover belt- or chain-drives with different sized sheaves or sprockets.
- The UTG backplate covers are furnished with fasteners to attach the guard to the backplate, with extruded U nuts on the backplate. This ensures fastening of metal-to-metal. *NOTE: MGC normal manufacturing policy DOES NOT include cutting holes for shafts or make brackets for mounting. This can be done on special orders.*
- Height "A", Width "B", "B-1", and Length "C" are measured at the smallest point on the inside of the guard.
- Width "D", "D-1", and Length "E" refer both to the dimensions of the guard measured at the widest point and to the dimensions of the matching backplate.
- Additional sizes are available, contact us for additional information.

\*In order to provide additional strength, these backplates are made from 4.76mm material. When made of black or yellow ABS, backplates are normally 3.17mm.

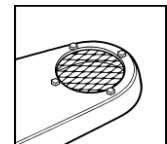
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

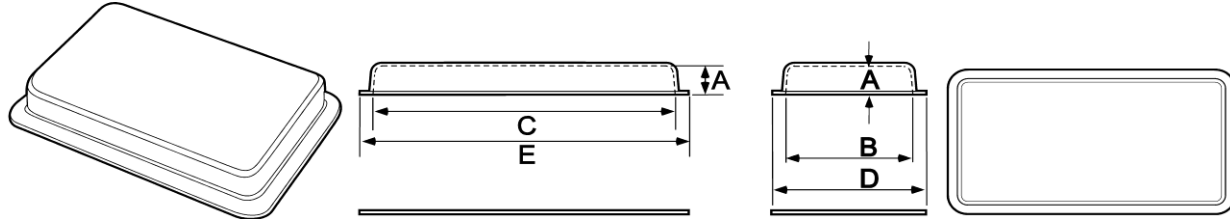
- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh





**Rectangular Flanged Guards**

**Rectangular Flanged Backplates**



All dimensions measured in millimeters

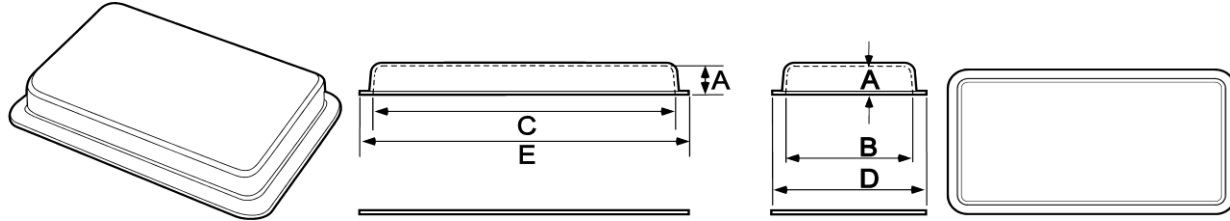
Part Number	Height "A"	Width "B"	Length "C"	
RG0.750408	19	102	203	
RG1.509.214	38	235	356	
RG1.60406	38	102	152	
RG205.810.8	51	149	276	
RG21117	51	286	432	
RG2.20406	57	102	152	
RG21419	57	356	489	
RG2.50819	64	203	483	
RG2.51925	64	483	635	
RG30818	79	219	464	
RG3.51215.4	89	305	387	
RG40416	102	102	406	
RG4056.5	102	127	165	
RG40608	102	152	203	
RG40707	102	178	178	
RG4.51316	114	330	406	
RG4.51717	117	432	432	
RG50609	127	152	222	
RG5.50619	140	140	470	
RG60522	146	133	552	

Backplate Part Number	Width "D"	Length "E"		
RB5x9a	146	248		
RB10.2x15c	279	381		
RB5x7c	140	191		
RB6.8x11.8d	175	302		
RB12x18d	324	470		
RB5x7d	146	197		
*RB15x20d	400	533		
RB9x20e	248	527		
*RB20x26e	527	679		
RB9x19f	264	508		
*RB13x16.4g	356	438		
RB5x17h	152	457		
RB6x7.5h	178	210		
RB7x9h	203	254		
RB8x8h	229	229		
*RB14x17i	375	451		
*RB18x18i	483	483		
RB7x10j	216	279		
RB7x20k	191	521		
RB6x23l	191	610		



**Rectangular Flanged Guards**

**Rectangular Flanged Backplates**



All dimensions measured in millimeters

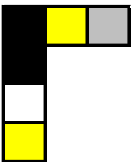
Part Number	Height "A"	Width "B"	Length "C"
RG61419	152	356	483
RG6.58.513	165	216	333
RG7.251822	184	464	559
RG8.52752	216	679	1314
RG101822	254	451	552

Backplate Part Number	Width "D"	Length "E"
*RB15x20l	419	546
RB9.5x14m	279	397
*RB20x23o	527	629
*RB28x53q	749	1378
*RB19x23t	521	622

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Rectangular Flanged Guards (RG) cover a variety of drives, sheaves, sprockets and other objects.
  - The RG backplate covers the back of the guard, which can be attached to guards through holes / brackets made through the flange. *NOTE: MGC normal manufacturing policy DOES NOT include cutting holes for shafts or make brackets for mounting. This can be done on special orders.*
  - Height "A", Width "B" and Length "C" are measured at the smallest point on the inside of the guard.
  - Width "D" and Length "E" refer both to the dimensions of the guard measured at the flange and to the dimensions of the matching backplate.
- \*In order to provide additional strength, these backplates are made from 4.76mm material. When made of Black or Yellow ABS, backplates are normally 3.18mm.
- Additional sizes are available, contact us for additional information.

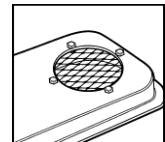
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

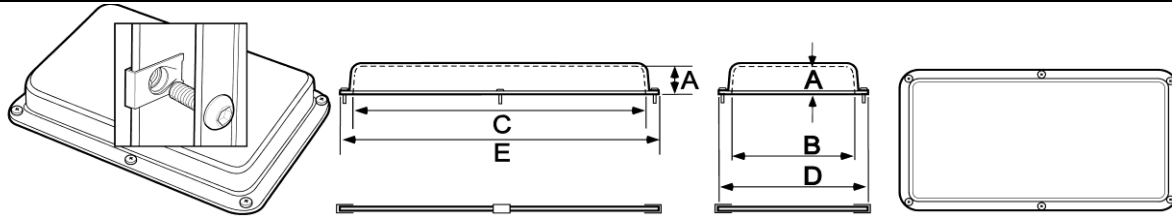
Available Options:

- Gaskets
- Hinges
- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh





**Rectangular Flanged Guards with Safety Captured Fasteners**



All dimensions measured in millimeters

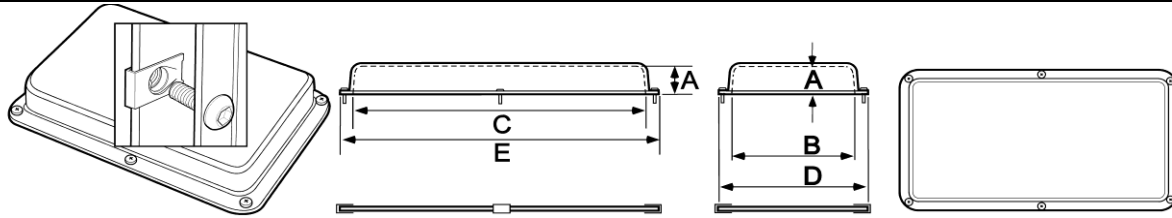
Please note: Safety Captured Fastener hardware locations for illustration only.

Part Number	Height "A"	Width "B"	Length "C"	# of SCF
RG0.750408SCF	19	102	203	4
RG1.509.214SCF	38	235	356	4
RG1.60406SCF	38	102	152	4
RG205.810.8SCF	51	149	276	4
RG21117SCF	51	286	432	6
RG2.20406SCF	57	102	152	6
RG21419SCF	57	356	489	4
RG2.50819SCF	64	203	483	6
RG2.51925SCF	64	483	635	6
RG30818SCF	79	219	464	6
RG3.51215.4SCF	89	305	387	4
RG40416SCF	102	102	406	4
RG4056.5SCF	102	127	165	4
RG40608SCF	102	152	203	4
RG40707SCF	102	178	178	4
RG4.51316SCF	114	330	406	4
RG4.51717SCF	117	432	432	4
RG50609SCF	127	152	222	4
RG5.50619SCF	140	140	470	6
RG60522SCF	146	133	552	6

Backplate Part Number	Width "D"	Length "E"		
RB5x9aSCF	146	248		
RB10.2x15cSCF	279	381		
RB5x7cSCF	140	191		
RB6.8x11.8DSCF	175	302		
RB12x18dSCF	324	470		
RB5x7dSCF	146	197		
*RB15x20dSCF	400	533		
RB9x20eSCF	248	527		
*RB20x26eSCF	527	679		
RB9x19fSCF	264	508		
*RB13x16.4gSCF	356	438		
RB5x17hSCF	152	457		
RB6x7.5hSCF	178	210		
RB7x9hSCF	203	254		
RB8x8hSCF	229	229		
*RB14x17iSCF	375	451		
*RB18x18iSCF	483	483		
RB7x10jSCF	216	279		
RB7x20kSCF	191	521		
RB6x23lSCF	191	610		



**Rectangular Flanged Guards with Safety Captured Fasteners**



All dimensions measured in millimeters

Please note: Safety Captured Fastener hardware locations for illustration only.

Part Number	Height "A"	Width "B"	Length "C"	# of SCF
RG61419SCF	152	356	483	6
RG6.58.513SCF	165	216	333	6
RG7.251822SCF	184	464	559	6
RG8.52752SCF	216	679	1314	12
RG101822SCF	254	451	552	6

Backplate Part Number	Width "D"	Length "E"		
*RB15x20ISCF	419	546		
RB9.5x14mSCF	279	397		
*RB20x23oSCF	527	629		
*RB28x53qSCF	749	1378		
*RB19x23tSCF	521	622		

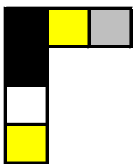
**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

Our Safety Captured Fastener program has been designed for the maximum convenience of maintenance personnel while at the same time conforming to the most rigid "hand tool needed for removal" interpretation of ANSI regulations (ANSI B11.19-2010 Section 7.2.6 Guards).

This system includes: holes drilled for the fasteners, u-nuts on the backplate, and button head socket cap screws attached to the guard. The button head socket cap screws are matched to the thickness of the guard and backplate for a snug fit, and must be turned with a 5/32" hex driver. They are permanently installed with push retainers so they cannot detach easily.

Standardized Safety Captured Fastener mounting locations for each part number have been established. Should your guard application require custom locations, please contact us to discuss options.

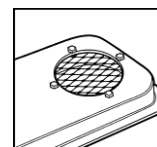
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

- Gaskets
- Hinges
- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh

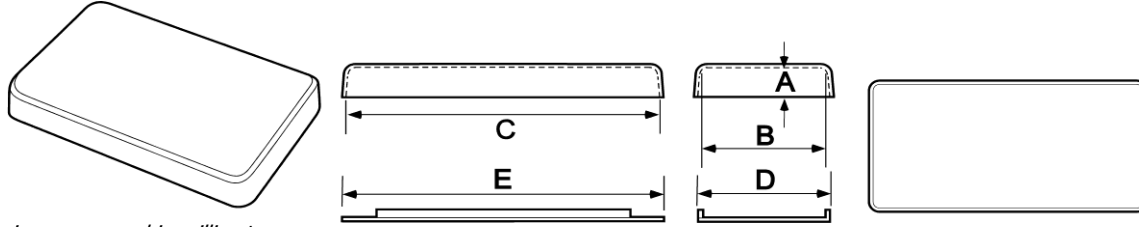






Rectangular Unflanged Guards

Rectangular Unflanged Backplates



All dimensions measured in millimeters

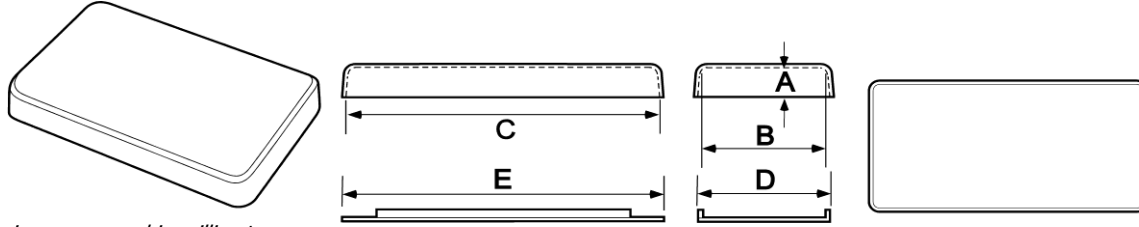
Part Number	Height "A"	Width "B"	Length "C"	
URG10406	25	102	152	
URG109.214	25	235	356	
URG1.505.810.8	38	124	276	
URG20406	44	102	152	
URG21117	44	286	432	
URG21419	44	356	489	
URG21925	51	483	635	
URG2.50818	64	219	464	
URG31215.2	76	305	387	
UG3.50416	89	102	406	
URG3.5056.5	89	127	165	
URG3.50608	89	152	203	
URG3.50707	89	178	178	
URG41316	102	330	406	
URG41717	105	432	432	
URG4.50609	114	152	222	
URG4.50619	114	140	470	

Backplate Part Number	Width "D"	Length "E"	
URB4x6b	108	159	
URB9.2x14b	235	356	
URB6.8x11.8d	175	302	
URB4x6c	108	159	
URB11x17c	292	445	
*URB14x19c	362	495	
*URB19x25d	489	641	
URB8x18e	229	470	
*URB12x15.2f	318	406	
URB4x16g	102	406	
URB5x6.5g	140	178	
URB6x8g	165	216	
URB7x7g	191	191	
*URB13x16h	330	413	
*URB17x17i	432	432	
URB6x9i	178	241	
URB6x19i	152	483	



**Rectangular Unflanged Guards**

**Rectangular Unflanged Backplates**



All dimensions measured in millimeters

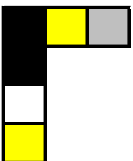
Part Number	Height "A"	Width "B"	Length "C"
URG50522	121	133	552
URG5.51419	140	356	483
URG6.08.513	152	216	333
URG6.751822	171	464	559
URG82752	203	679	1314
URG9.51822	241	451	552

Backplate Part Number	Width "D"	Length "E"
URB5x22j	152	572
*URB14x19k	381	508
URB8.5x13l	241	371
*URB18x22n	489	591
*URB27x52p	711	1340
*URB18x22s	483	584

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Rectangular Unflanged Guards (URG) cover a variety of drives, sheaves, sprockets and other objects.
  - The URG backplate covers are furnished with fasteners to attach the guard to the backplate, with extruded U nuts on the backplate. This ensures fastening of metal-to-metal. *NOTE: MGC normal manufacturing policy DOES NOT include cutting holes for shafts or make brackets for mounting. This can be done on special orders.*
  - Height "A", Width "B" and Length "C" are measured at the smallest point on the inside of the guard.
  - Width "D" and Length "E" refer both to the dimensions of the guard measured at the widest point and to the dimensions of the matching backplate.
- \*In order to provide additional strength, these backplates are made from 4.76mm material. When ma
- Additional sizes are available, contact us for additional information.

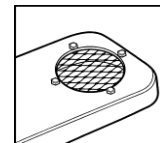
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

- Extruded Aluminum Framework
- Powder Coated Extruded Metal Mesh



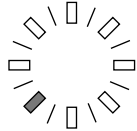


# Flanged Bearing Cover Request Sheet

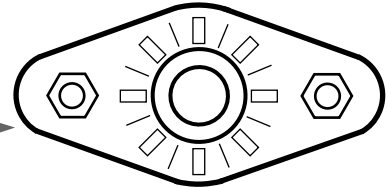
Select a bearing shape:

Note the position of any grease fittings by marking a box in the bearing drawing.

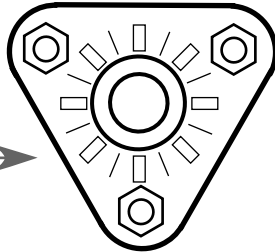
Example:



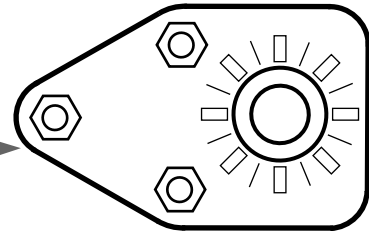
2 Bolt



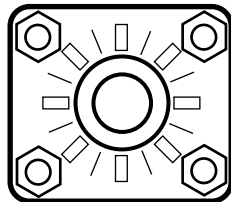
3 Bolt



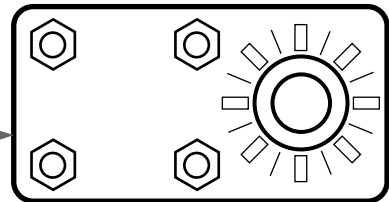
3 Bolt Offset



4 Bolt



4 Bolt Offset



Use the second sheet for dimensions.

## Contact Information

Company:

Name:

Contact email:

Contact phone:

Email or Fax this sheet to:



**Machine Guard & Cover Co.**

6187 136th Avenue  
Holland, MI 49424

Phone: 888-482-7371

Fax: 877-482-7313

office@machineguard.com

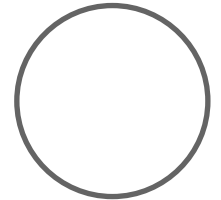
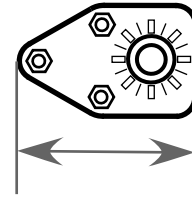
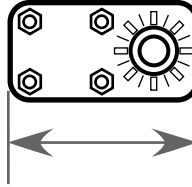
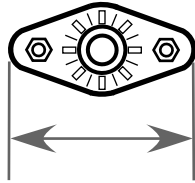
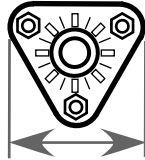
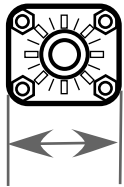


# Flanged Bearing Cover Request Sheet

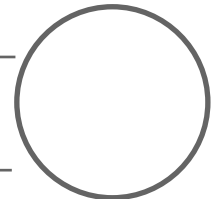
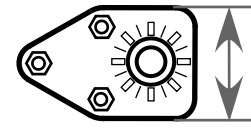
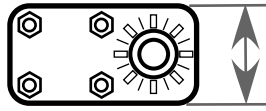
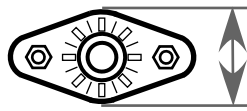
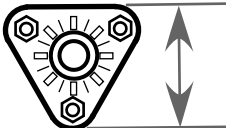
Area To Be Covered:

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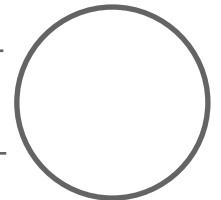
Supply information for your part in the 3 circles:



Longest Dimension



Widest Dimension



Highest Point

Other Features:

*Include a manufacturer & part number if available:*

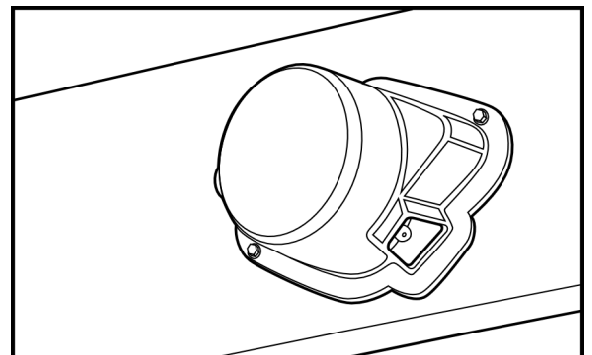
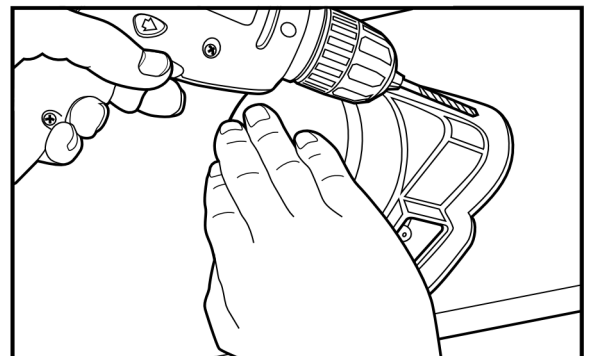
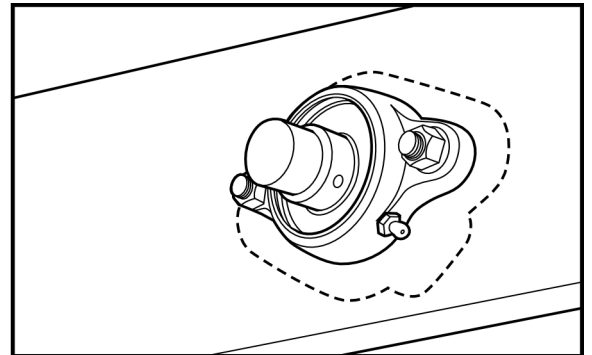
*Add a picture of the installed bearing if possible:*



# Flanged Bearing Cover Installation Guide

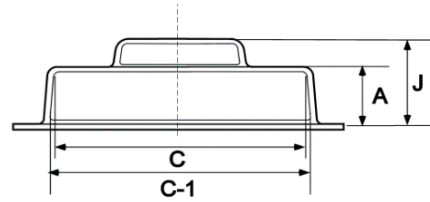
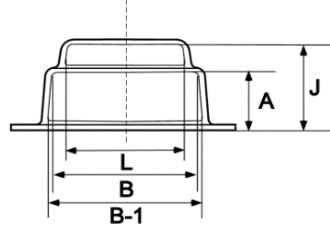
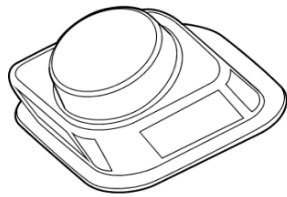
*Bearing covers should cover the entire bearing. Attachment methods differ based on the mounting structure available. Machine Guard & Cover cannot be responsible for a bearing cover installed improperly.*

1. Test fit your cover for adequate clearances. The flanges on the cover can be trimmed away as needed to avoid obstructions. If your bearing has a grease fitting you may drill or cut the cover for access. Covers may be installed using either self-tapping screws or machine screws.
2. To install with the optional supplied self-tapping screws, drill a pilot hole through the cover and structure with a 1/8" to 7/32" drill bit. Use the first hole to attach the cover to the structure.
3. To use the optional supplied machine screws, use a drill bit to make a pilot hole in the cover, and a pilot mark in the structure. Expand the cover hole with a 1/4" drill bit. Drill and tap a structure hole for 1/4"-20 threads. Use the first hole to attach the cover to the structure.
4. Drill the second hole following steps 2 or 3 as appropriate. Remove the cover if you need to drill and tap the structure. Re-install the cover to the mounting structure. Fasten all screws.





**2-Bolt Flange Bearing Cover - Heavyweight**



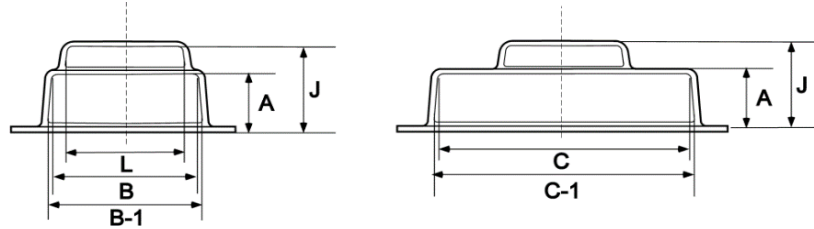
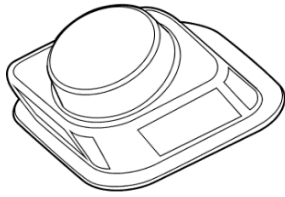
All dimensions measured in millimeters

Part Number	Length "C"	Length "C1"	Width "B"	Width "B1"	Cover Height "A"	Shaft Height "J"	Inside Diameter "L"	
**2BDSCFLT203H	95	98	54	56	25	51	33	
2BDSCFLT204H	95	97	64	65	25	37	56	
2BDSCFLT205H	95	97	68	70	25	51	54	
2BDSCFLT203H	87	92	60	64	32	46	27	
2BDSC203H	102	105	56	57	25	51	51	
**2BSMSFT201H	105	110	64	70	37	48	33	
2BDPELF205H	103	110	79	84	38	56	51	
**2BPENS203H	108	113	64	68	38	51	33	
**2BIPT203H	117	122	67	71	35	46	33	
**2BDSC204H	117	124	67	71	38	54	29	
2BDSCFLT207H	121	124	92	89	29	44	84	
2BDSCFLT207-Z135H	121	124	92	89	29	44	84	
**2BPES203H	121	127	70	62	38	51	51	
2BDSCFLT206H	113	116	87	89	25	43	87	
2BDSC205H	127	129	71	76	38	51	67	
**2BSHUUCFL202H	127	130	64	68	37	56	35	
*2BDSC205-Z135H	127	132	71	76	38	51	67	
*2BDSC206-Z135H	138	143	76	81	38	67	67	
2BDSC206H	138	146	76	83	38	65	67	
2BDEZ206H	140	144	79	84	35	76	65	
2BSMV219H	143	148	81	86	38	51	73	
*2BDSC207-Z135H	149	154	92	97	32	38	68	





**2-Bolt Flange Bearing Cover - Heavyweight**



All dimensions measured in millimeters

Part Number	Length "C"	Length "C1"	Width "B"	Width "B1"	Cover Height "A"	Shaft Height "J"	Inside Diameter "L"
2BDSC207H	148	152	92	95	37	56	68
2BFRCJT1-7/16H	149	154	92	97	38	57	70
**2BDSC207-Z45-135H	149	154	90	95	37	56	68
**2BSHUUCFL206H	152	159	89	94	38	65	48
2BDSXR207H	152	157	94	98	38	57	67
**2BPEMD5H	157	162	89	95	41	60	41
2BSMV231H	156	160	97	102	38	51	92
2BHCRX1-7/16H	157	160	87	92	38	70	78
2BDEZ207H	160	165	95	100	33	76	71
2BDSC208H	170	175	106	111	33	76	102
2BDSC208-Z135H	170	175	106	111	33	76	102
2BDSC209H	179	184	90	111	38	76	110
**2BSHUUCFL208H	181	195	102	108	41	67	54
2BDSC210H	184	189	90	111	38	76	108
2BHCRX1-15/16H	194	200	108	114	51	83	105
2BDSC211H	213	219	130	137	48	73	86
2BHCRX2-3/16H	219	224	122	127	38	76	119
2BDSC212H	249	254	133	140	51	102	129

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

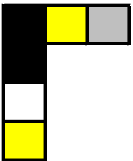
- For covering 2-bolt flanged bearings.
- All 2-bolt bearing covers have clearance for grease fittings.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.

\* Bearing covers with a grease fitting on the reverse side.

\*\* Bearing covers with grease fittings on both the regular and reverse side.

- For tall shafts, height can be added just to the round top part of the cover.

Available Materials:



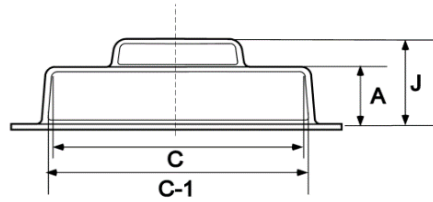
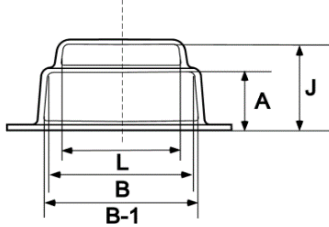
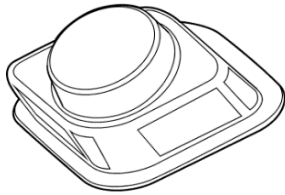
- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

Gaskets



2-Bolt Flange Bearing Cover - Lightweight

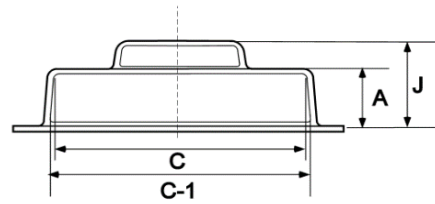
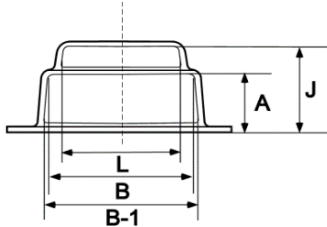
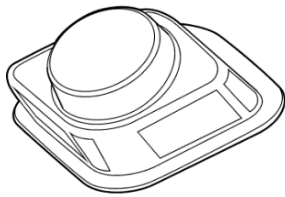


All dimensions measured in millimeters

Part Number	Length "C"	Length "C1"	Width "B"	Width "B1"	Cover Height "A"	Shaft Height "J"	Inside Diameter "L"	
**2BPRLFT201	89	95	57	62	33	48	32	
**2BDSC203L	95	98	54	57	25	51	35	
2BDSC204L	95	98	64	67	25	37	56	
2BDSC205L	95	98	68	70	25	51	54	
**2BPRLFT204	100	105	67	70	37	51	37	
2BDSC203L	102	105	56	59	25	51	52	
**2BSMSFT201L	105	110	64	70	37	48	33	
**2BPENS203L	108	113	64	68	38	51	33	
**2BDSC204L	111	114	59	62	32	51	56	
2BDSC206L	113	116	87	89	25	43	87	
**2BIPT203L	117	122	67	71	35	46	33	
**2BDSC204L	117	124	67	71	38	54	29	
2BDSC207L	121	124	92	89	29	44	84	
**2BPES203L	121	127	70	62	38	51	51	
2BDSC205L	127	132	71	76	38	51	67	
*2BDSC205-Z135L	127	132	71	76	38	51	67	
*2BDSC206-Z135L	138	143	76	81	38	67	67	
2BDSC206L	138	143	76	81	38	67	67	
2BDEZ206L	140	143	83	81	35	76	64	



**2-Bolt Flange Bearing Cover - Lightweight**



All dimensions measured in millimeters

Part Number	Length "C"	Length "C1"	Width "B"	Width "B1"	Cover Height "A"	Shaft Height "J"	Inside Diameter "L"
2BSMV219L	143	148	81	86	38	51	73
**2BDSC207-Z45-135L	149	154	90	95	37	56	68
*2BDSC207-Z135L	149	154	92	97	32	38	68
2BDSC207L	149	154	92	97	32	38	68
2BFRCJT1-7/16L	149	154	92	97	38	57	70
2BDSXR207L	152	157	94	98	38	57	67
2BSMV231L	156	160	97	102	38	51	92
2BHCRX1-7/16L	157	160	87	92	38	70	78
**2BPEMD5L	157	162	89	95	41	60	41
2BDEZ207L	160	165	95	100	33	76	71
2BDSC208L	170	175	106	111	33	76	102
2BDSC208-Z135L	170	175	106	111	33	76	102

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering 2-bolt flange bearings.
- All 2-bolt bearing covers have clearance for grease fittings.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.

\* Bearing covers with a grease fitting on the reverse side.

\*\* Bearing covers with grease fittings on both the regular and reverse side.

- For tall shafts, height can be added just to the round top part of the cover.
- Lightweight Guards are designed for non-abusive environments.
- Our metal detectable ABS plastic is FDA approved for certain pharmaceutical and food applications. Contact us for specific details.

Available Materials:



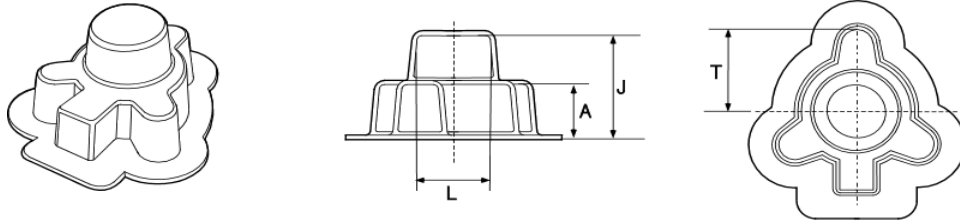
1/8" ABS  
1/8" ABS Metal Detectable

Available Options:

Gaskets



**3-Bolt Flange Bearing Cover - Heavyweight**



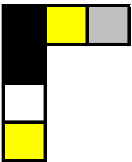
All dimensions measured in millimeters

Part Number	Overall Diameter	Cover Height "A"	Shaft Height "J"	Center to Corner "T"	Inside Diameter "L"				
3BDSCLF205H	98	25	57	48	41				
3BDSCLF206H	111	32	67	54	49				
3BDSCLF207H	127	32	67	60	59				
3BBRB33-119M	86	32	44	64	46				
3BBRB33-123M	95	32	51	75	46				

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering 3-bolt flange bearings.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.
- For tall shafts, height can be added just to the round top part of the cover.
- If you do not see what you are looking for, give us a call!

Available Materials:



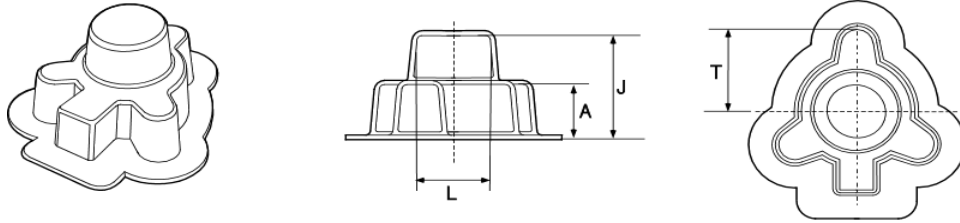
- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

Gaskets



**3-Bolt Flange Bearing Cover - Lightweight**



All dimensions measured in millimeters

Part Number	Overall Diameter	Cover Height "A"	Shaft Height "J"	Center to Corner "T"	Inside Diameter "L"				
3BDSCLF205L	98	25	57	48	41				
3BDSCLF206L	111	32	67	54	49				
3BDSCLF207L	127	32	67	60	59				

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering 3-bolt flanged bearings.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.
- For tall shafts, height can be added just to the round top part of the cover.
- Lightweight Guards are designed for non-abusive environments.
- If you do not see what you are looking for, give us a call!
- Our metal detectable ABS plastic is FDA approved for certain pharmaceutical and food applications. Contact us for specific details.

Available Materials:



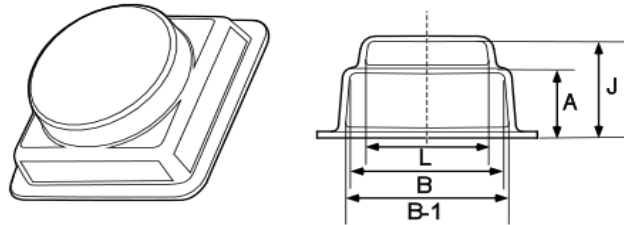
- 1/8" ABS
- 1/8" ABS Metal Detectable

Available Options:

Gaskets



**4-Bolt Flange Bearing Cover - Heavyweight**



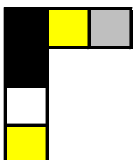
All dimensions measured in millimeters

Part Number	Width "B"	Width "B1"	Cover Height "A"	Shaft Height "J"	Inside Diameter "L"				
4BDSC204H	87	83	38	51	51				
4BSMSF15	95	102	51	76	51				
4BDSC205H	108	103	38	51	51				
4BDSC206H	117	111	44	51	51				
4BHCRX 1-7/16H	117	111	51	76	83				
4BDSC207H	122	116	38	76	89				
4BDSC208H	133	127	44	76	86				
4BDSC209H	137	133	51	89	86				
4BBVF4S-227H	137	133	33	59	64				
4BSMSFB2115H	146	141	38	75	121				
4BDE-1-11/16H	140	132	64	102	102				
4BDSC210 ETH	140	132	64	75	102				
4BNUCF209H	143	137	64	89	94				
4BHCRX 1-15/16H	144	138	44	76	130				
4BDSC211H	173	165	54	102	113				
4BHCRX 2-3/16H	170	162	51	76	125				
4BDSC212H	178	173	57	76	86				
4BHCRX 2-7/16H	178	168	76	102	127				
4BSMSF-39H	187	181	76	102	152				
4BBVF4S-347H	200	195	56	102	167				
4BDSC215H	203	195	64	133	137				
4BDSC218H-Tall	216	206	75	140	164				
4BDSC218H-Short	213	203	59	73	167				
4BDE 2-7/16H	278	265	76	152	152				
4BDE 3-7/16H	273	257	152	229	183				

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering 4-bolt flange bearings.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.
- For tall shafts, height can be added just to the round top part of the cover.
- If you do not see what you are looking for, give us a call!

Available Materials:



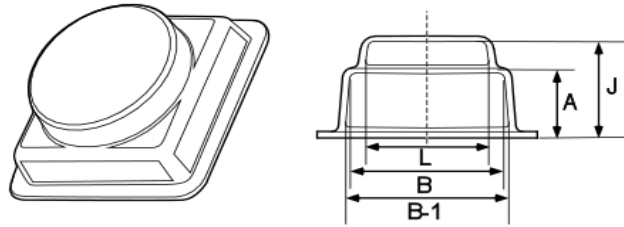
- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

Gaskets



**4-Bolt Flange Bearing Cover - Lightweight**



All dimensions measured in millimeters

Part Number	Width "B"	Width "B1"	Cover Height "A"	Shaft Height "J"	Inside Diameter "L"			
4BDSC204L	87	83	38	51	51			
4BDSC205L	108	103	38	51	51			
4BDSC206L	108	102	38	51	51			
4BHCRX 1-7/16L	117	111	51	76	83			
4BDSC207L	122	116	38	76	89			
4BDSC208L	133	127	44	76	86			
4BDSC209L	137	133	51	89	86			

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering 4-bolt flanged bearings.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.
- For tall shafts, height can be added just to the round top part of the cover.
- Lightweight Guards are designed for non-abusive environments.
- If you do not see what you are looking for, give us a call!
- Our metal detectable ABS plastic is FDA approved for certain pharmaceutical and food applications. Contact us for specific details.

Available Materials:



- 1/8" ABS
- 1/8" ABS Metal Detectable

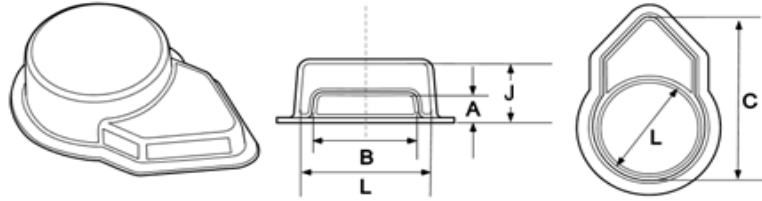
Available Options:

Gaskets





### 3-Bolt Flange Bracket Bearing Cover



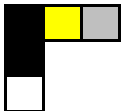
All dimensions measured in millimeters

Part Number	Length "C"	Width "B"	Cover Height "A"	Shaft Height "J"	Inside Diameter "L"				
3BOSAMIUCFB201	114	64	29	57	35				
3BOKLM206	146	76	38	57	89				
3BOSMF23	152	95	38	64	95				
3BOSMF31	191	102	38	76	114				

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering 3-bolt flange bracket bearings.
- If you do not see what you are looking for, give us a call!

Available Materials:

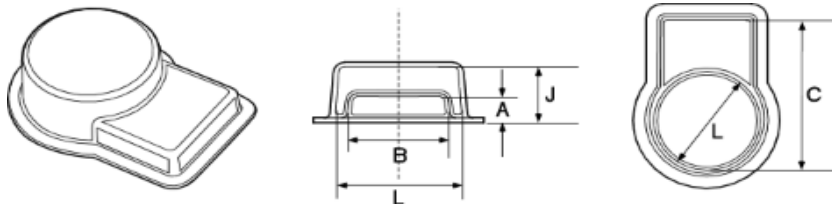


- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG

Available Options:

- Gaskets

### 4-Bolt Flange Bracket Bearing Cover



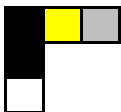
All dimensions measured in millimeters

Part Number	Length "C"	Width "B"	Cover Height "A"	Shaft Height "J"	Inside Diameter "L"				
4BOSMSBF2207	235	152	38	76	146				

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering 4-bolt flange bracket bearings.
- If you do not see what you are looking for, give us a call!

Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG

Available Options:

- Gaskets

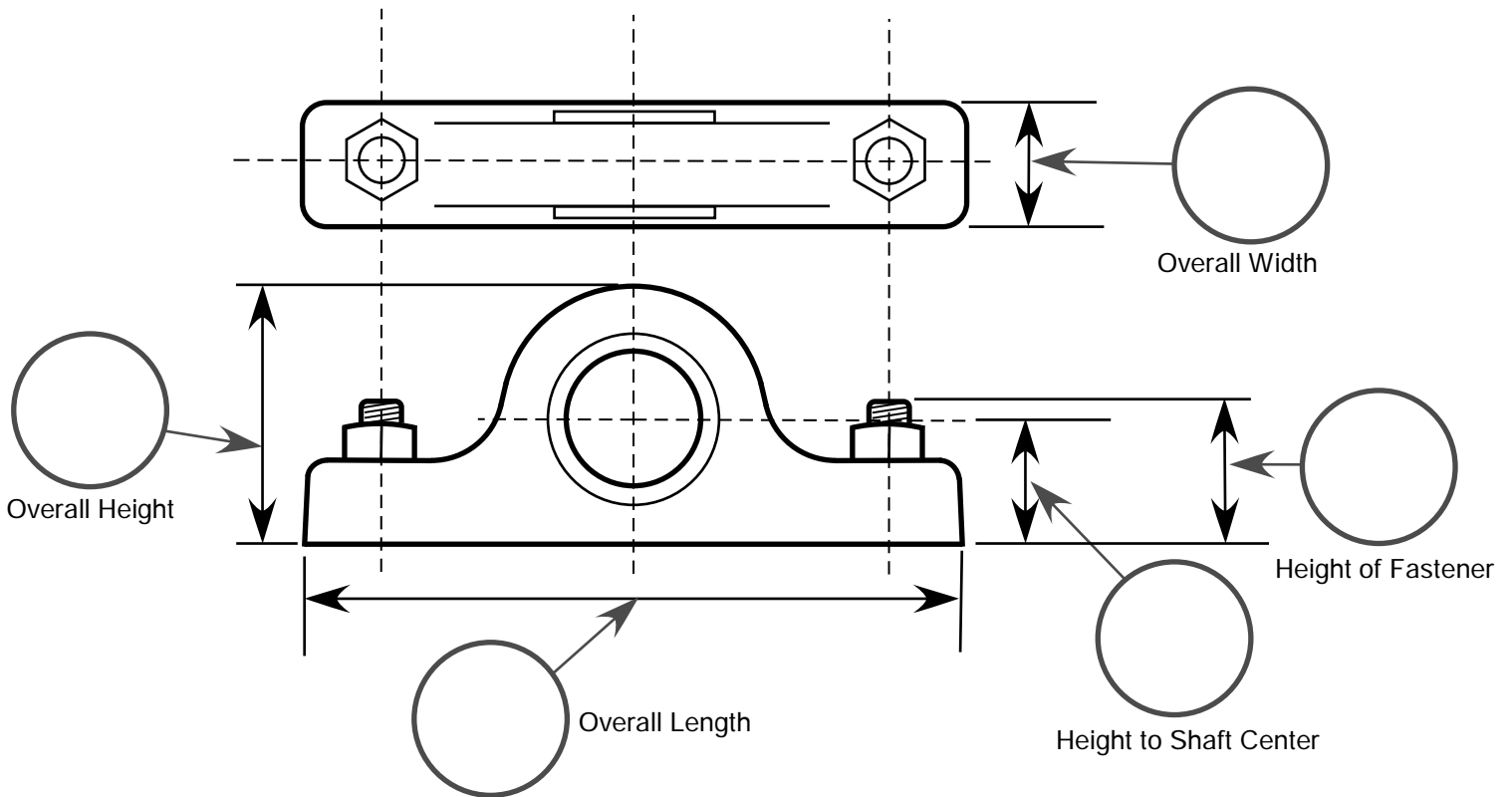


**Machine Guard & Cover Co.**

*We've Got You Covered!*

# Pillow Block Cover Request Sheet

Supply information in the 5 circles provided:



*Use the second sheet for more information*

Other Features:

Company: \_\_\_\_\_ Contact e-mail: \_\_\_\_\_

Name: \_\_\_\_\_ Contact phone: \_\_\_\_\_

e-mail or FAX this sheet to:

www.machineguard.com  
office@machineguard.com  
Fax: 877-482-7313



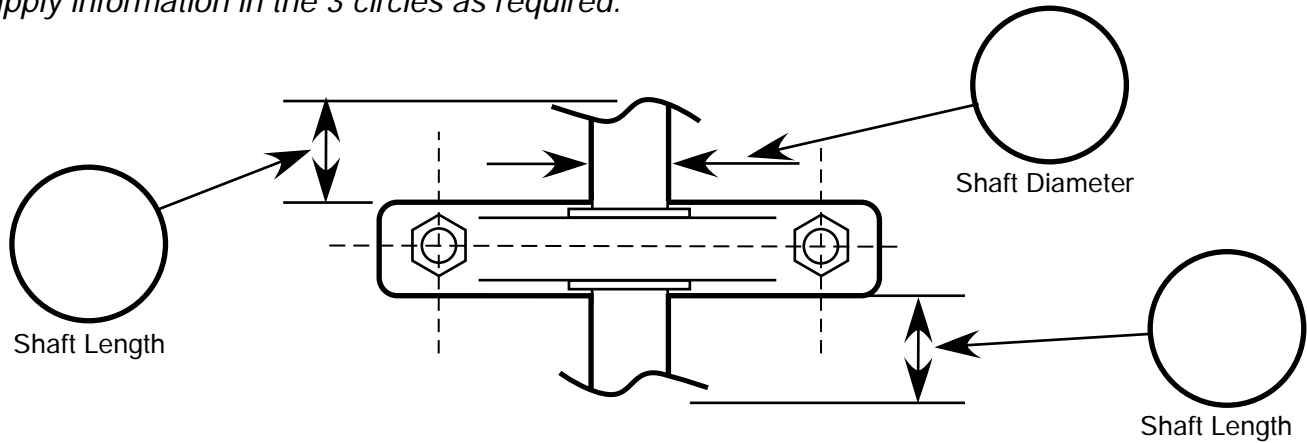
**Machine Guard & Cover Co.**

6187 136th Avenue  
Holland, MI 49424  
888 - 482-7371

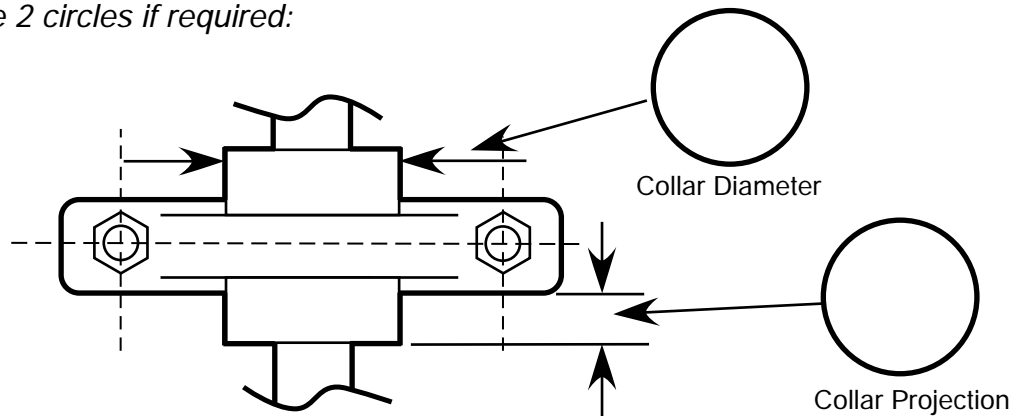


# Pillow Block Cover Request Sheet 2

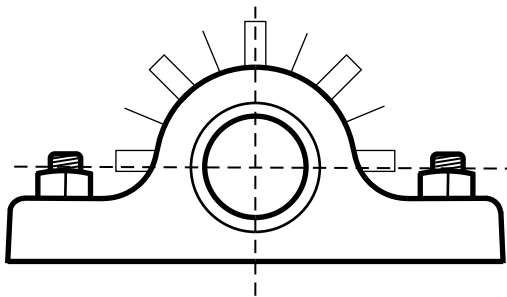
Supply information in the 3 circles as required:



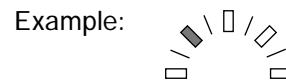
Supply information in the 2 circles if required:



Grease Fitting:

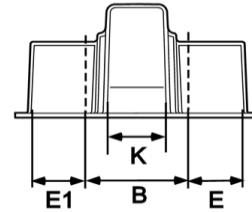
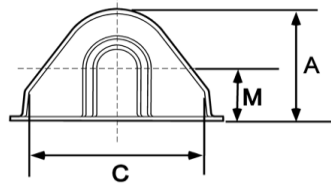
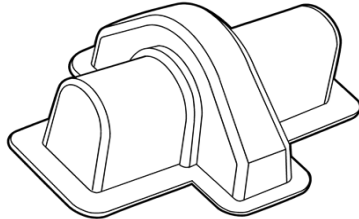


Note the position of any grease fittings by marking a box in the bearing drawing.





**Pillow Block Bearing Cover - Heavyweight**



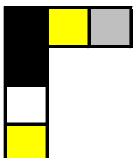
All dimensions measured in millimeters

Part Number	Height "A"	Overall Width "B"	Center Width "K"	Length "C"	Height to Center "M"	Optional Ext. "E"	Optional Ext. "E1"			
PBDS-203H	73	64	32	130	29	Optional	Optional			
PBDSC-204H	76	70	35	137	32	Optional	Optional			
PBDSC-205H	83	79	38	143	37	Optional	Optional			
PBDSC206H	95	105	41	162	44	Optional	Optional			
*PBDSC207H	95	105	51	171	48	Optional	Optional			
PBFT40242H	95	105	51	171	48	Optional	Optional			
PBPUC208H	111	92	54	181	51	Optional	Optional			
PBSMMP31H	127	203	64	248	70	Optional	Optional			
PBDP2BSC108H	133	121	73	200	60	Optional	Optional			
PBSMMP175H	130	127	73	225	60	Optional	Optional			
PBDS2-207H	156	137	73	238	76	Optional	Optional			
PBFT18808H	171	108	86	314	84	Optional	Optional			
PBDS2-211H	178	152	83	273	86	Optional	Optional			
PBDSC215H	197	108	73	311	89	Optional	Optional			
PBD2218H	217	138	138	344	95	Optional	Optional			
PBD2220H	229	114	114	400	108	Optional	Optional			
PBD2222H	254	133	133	432	121	Optional	Optional			
PBD2226H	305	159	159	495	178	Optional	Optional			
PBD2228H	356	171	171	572	203	Optional	Optional			
PBD2236H	406	197	197	686	254	Optional	Optional			

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering pillow block bearings.
- One or both ends of the guard can be opened for a through shaft.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.
- All dimensions are measured from the inside at the smallest point.
- Dimensions E and E1 are optional extensions.
- \* Guards is available in the Skabbard configuration for integration with shaft covers.
- If you do not see what you are looking for, give us a call!

Available Materials:



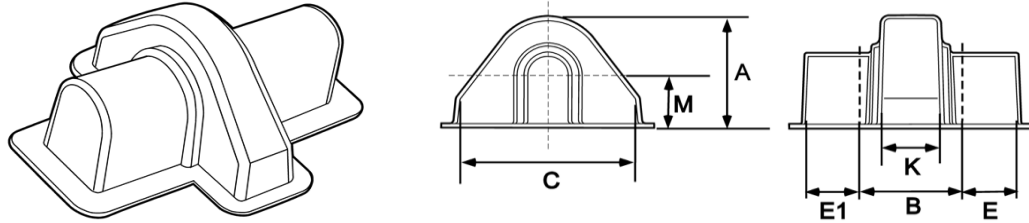
- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

Gaskets



**Pillow Block Bearing Cover - Lightweight**





All dimensions measured in millimeters

Part Number	Height "A"	Overall Width "B"	Center Width "K"	Length "C"	Height to Center "M"					
PBDS-203L	73.03	64	32	130	29					
PBDSC-204L	76.20	70	35	137	32					
PBDSC-205L	82.55	79	38	143	37					

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- For covering pillow block bearings.
- One or both ends of the guard can be opened for a through shaft.
- Pillow Block Bearing Covers may be installed using similar installation methods as shown on Page 35.
- Lightweight Guards are designed for non-abusive environments.
- If you do not see what you are looking for, give us a call!
- Our metal detectable ABS plastic is FDA approved for certain pharmaceutical and food applications. Contact us for specific details.

Available Materials:

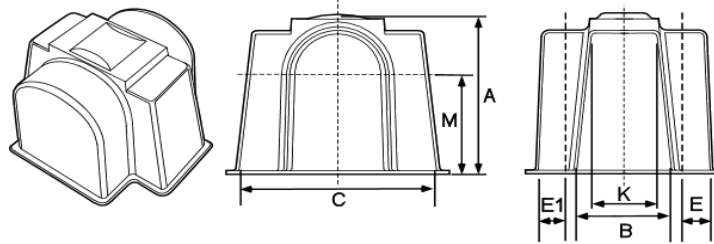
-  1/8" ABS
-  1/8" ABS Metal Detectable

Available Options:

Gaskets



**Plummer Pillow Block Bearing Cover**



All dimensions measured in millimeters

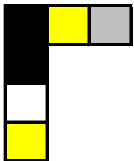
Part Number	Height "A"	Overall Width "B"	Center Width "K"	Length "C"	Height to Center "M"	Optional Ext. "E"	Optional Ext. "E1"			
PBSMRPB203	130	127	83	254	64	54	54			
PBSKFSNL516-613	184	140	119	329	95	Optional	Optional			
PBSKFSNL522-619	246	165	132	421	125	Optional	Optional			
PBSKFSNL-526	295	184	144	467	151	Optional	Optional			

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

**For covering plummer style pillow block bearings.**

- For covering plummer style pillow block bearings.
- One or both ends of the guard can be opened for a through shaft.
- Pillow Block Bearing Covers may be installed using similar installation methods as shown on Page 35.
- If you do not see what you are looking for, give us a call!

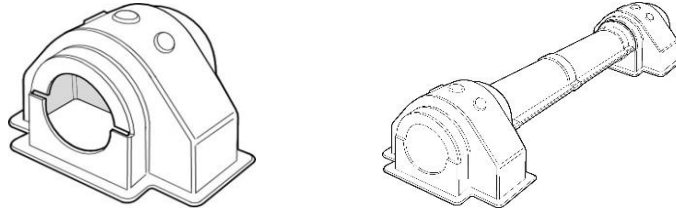
**Available Materials:**



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex



Plummer Pillow Block Bearing Cover, Skabbard™



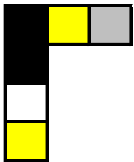
All dimensions measured in millimeters

Part Number	Height "A"	Overall Width "B"	Center Width "K"	Length "C"	Height to Center "M"	Matching Shaft Dia.				
SPBDSC207	105	76	64	175	48	64				
SPBDSC208	111	89	65	191	51	0				
SPBSKFSNL516	194	92	148	321	95	0				
SPBDSC210	127	89	76	211	57	89				

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Skabbard™ Pillow Block Covers integrate with the MGC shaft cover line to completely enclose the bearing and shaft.
- One or both ends of the guard can be opened for a through shaft.
- Skabbard™ Pillow Block Bearing Covers may be installed using similar installation methods as shown on Page 35.
- If you do not see what you are looking for, give us a call!

Available Materials:

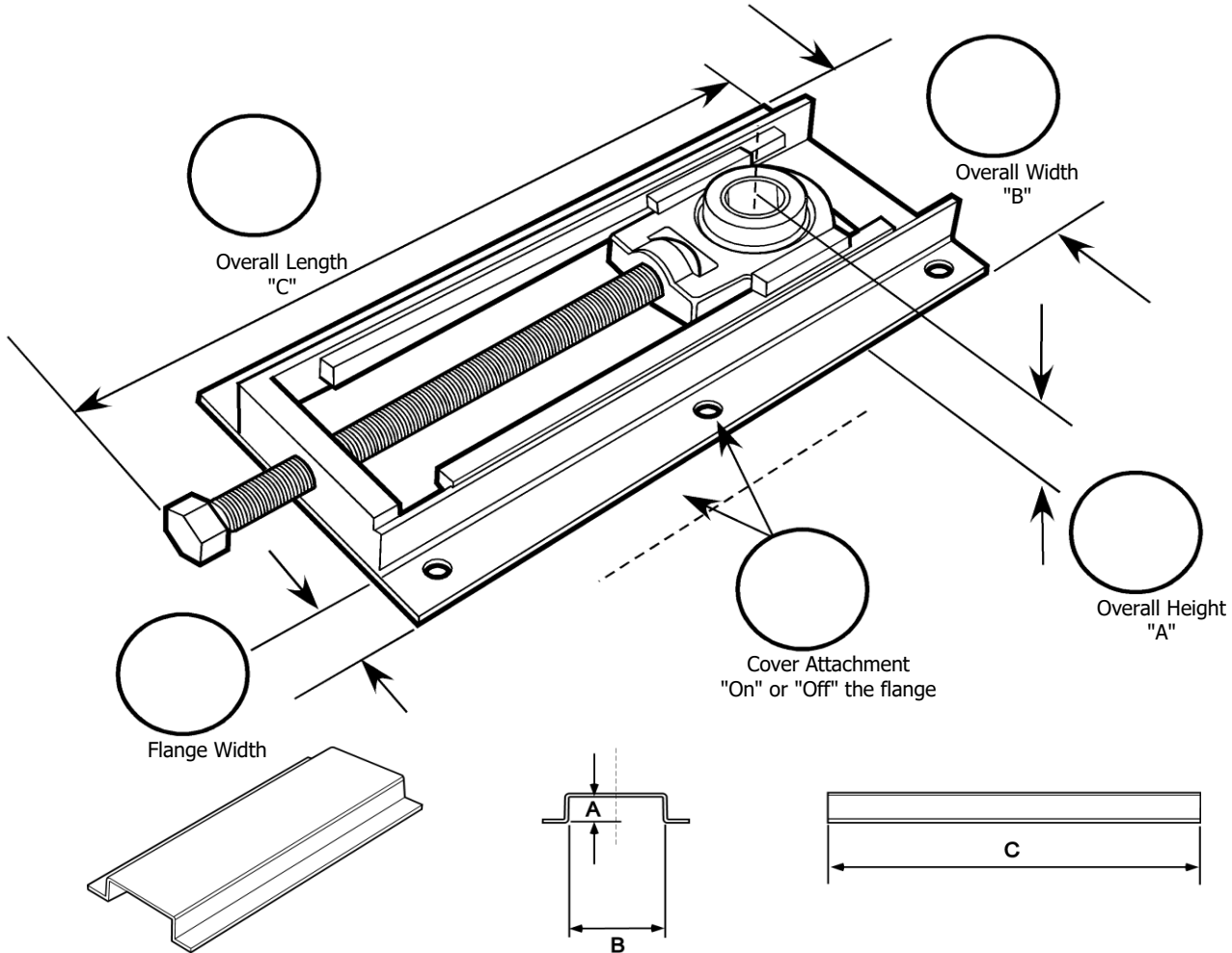


- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex





Take-Up Bearing Covers

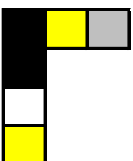


All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Length "C"					
TBC3x4x6	76	102	152					
TBC10x16x48	254	406	1219					

- Covers the bearing and the adjustment mechanism.
- The standard flange for Take-Up Bearing Covers is 25.4mm.
- Sizes listed are suggestions, please call for quote.
- The maximum Length for a TBC Guard is 121cm.  
(Flange(x2) + Height(x2) + Width) cannot be more than 243cm
- TBC Guards can have one or both ends closed as an option.

Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

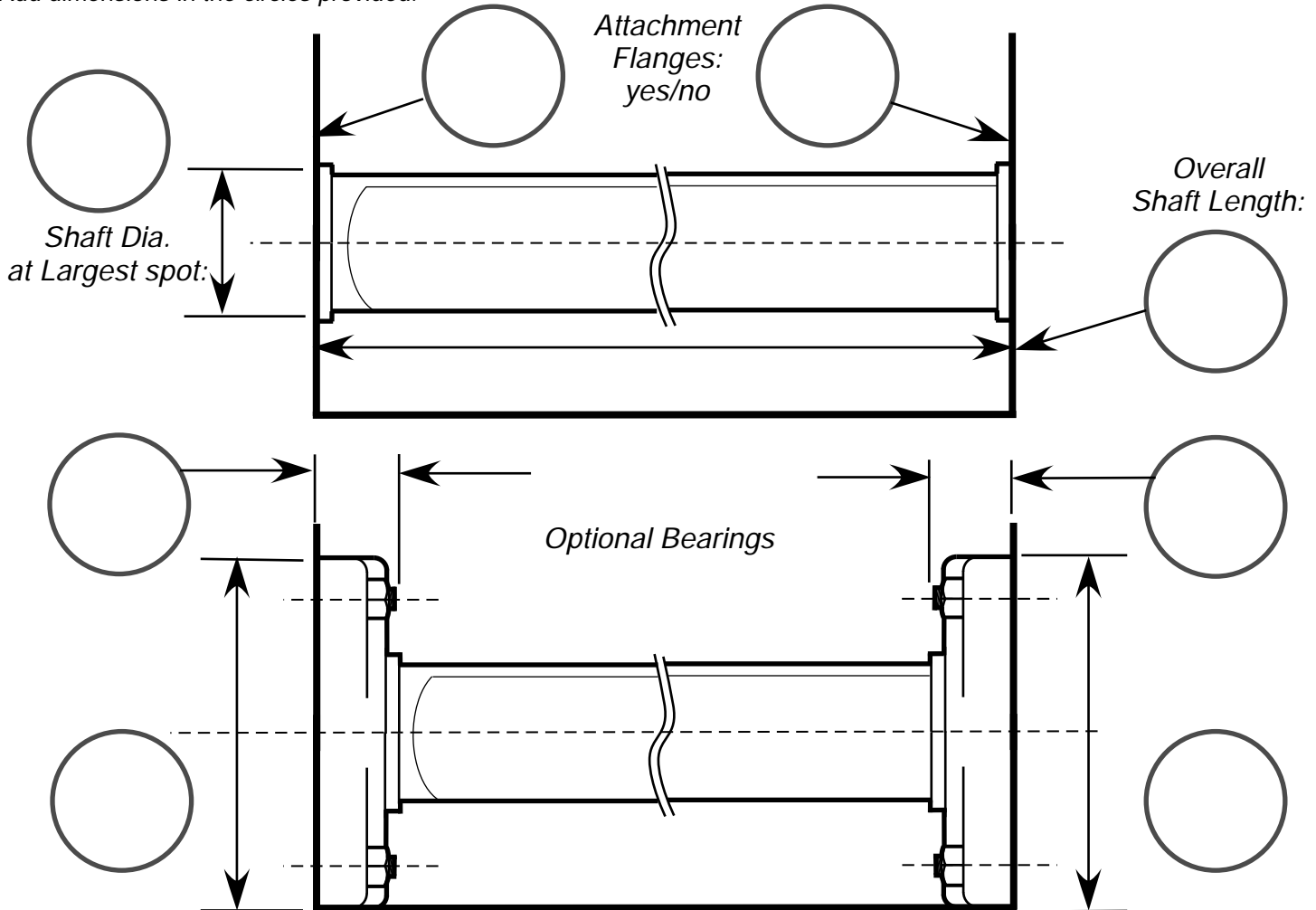


Machine Guard & Cover Co.

We've Got You Covered!

# Horizontal Shaft Cover Request Sheet

Add dimensions in the circles provided:



Other Features: Add a picture of the installed shaft if possible:

Company: \_\_\_\_\_ Contact e-mail: \_\_\_\_\_

Name: \_\_\_\_\_ Contact phone: \_\_\_\_\_

e-mail or FAX this sheet to:

www.machineguard.com  
office@machineguard.com  
Fax: 877-482-7313



**Machine Guard & Cover Co.**

6187 136th Avenue  
Holland, MI 49424  
888 - 482-7371

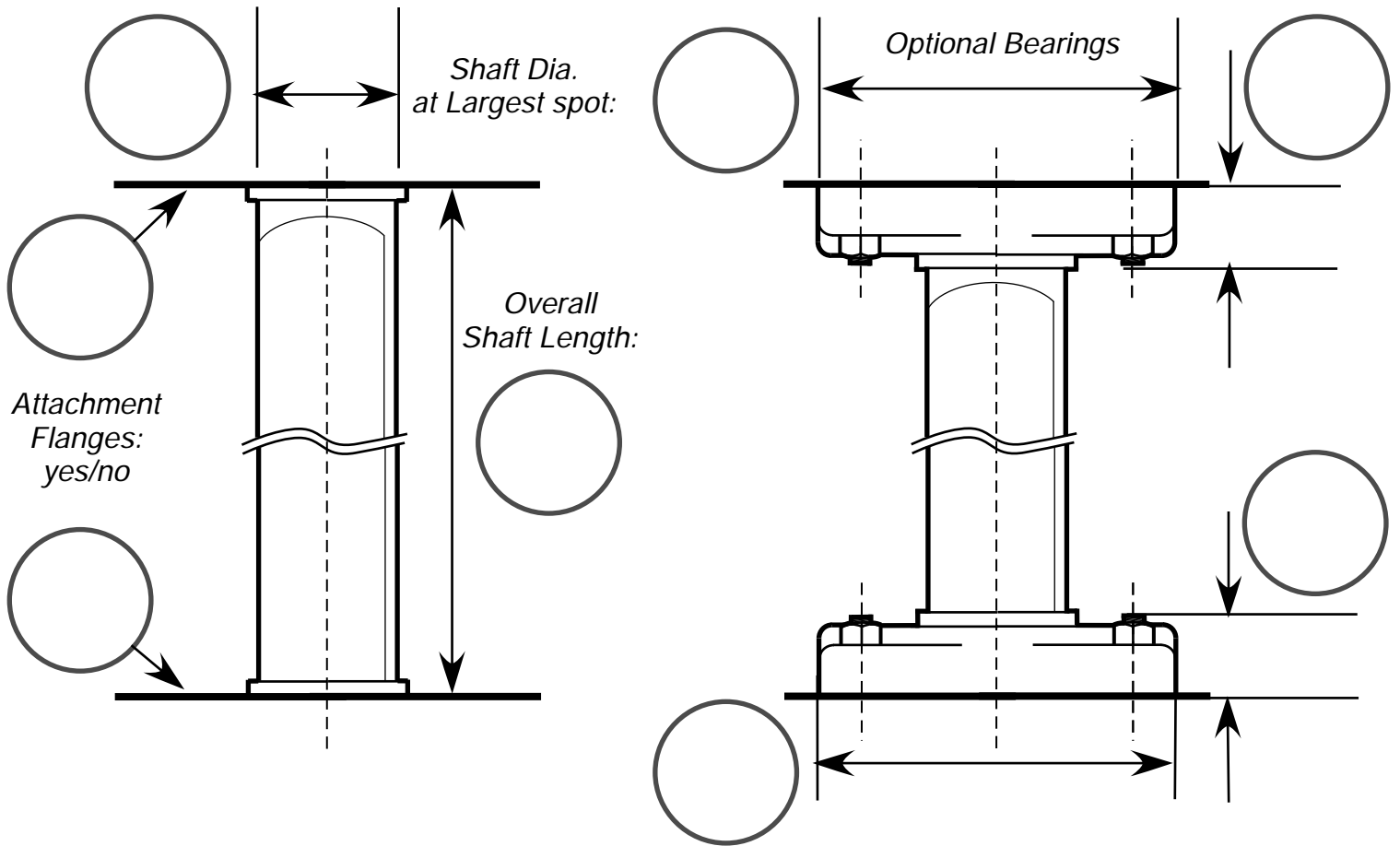


**Machine Guard & Cover Co.**

*We've Got You Covered!*

# Vertical Shaft Cover Request Sheet

Add dimensions in the circles provided:



Other Features: Add a picture of the installed shaft if possible:

Company: \_\_\_\_\_ Contact e-mail: \_\_\_\_\_

Name: \_\_\_\_\_ Contact phone: \_\_\_\_\_

e-mail or FAX this sheet to:

www.machineguard.com  
office@machineguard.com  
Fax: 877-482-7313

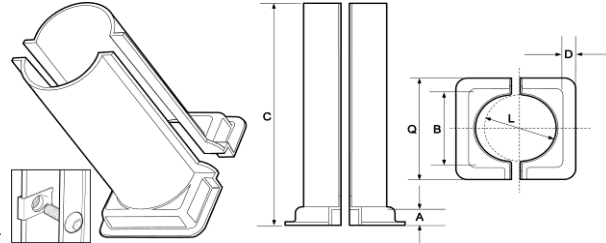


**Machine Guard & Cover Co.**

6187 136th Avenue  
Holland, MI 49424  
888 - 482-7371



**Bearing Shaft Covers - Heavyweight**



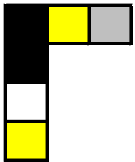
All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Maximum Length "C"	Flange "D"	Diameter "L"	Overall Flange Width "Q"	# of SCF
BSC5.618H	32	144	457	24	133	194	4
BSC7.118.5H	32	181	470	21	133	224	4
BSC8.418.5H	75	214	470	19	165	254	4

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Designed to cover exposed rotating shafts and attached bearing.
- Modeled to fit over a 4-bolt bearing, but can accommodate other flange bearing and shaft assemblies.
- Length "C" can easily be modified for your custom installation.
- Additional sizes are available, contact us for additional information.
- The BSC series of guards includes Safety Captured Fasteners.

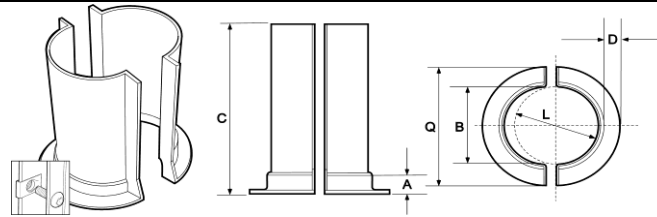
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex



**Flanged Shaft Covers - Heavyweight**



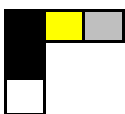
All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Maximum Length "C"	Flange "D"	Diameter "L"	Overall Flange Width "Q"	# of SCF
FSC0212H	19	51	305	19	51	102	4
FSC0223.5H	19	51	597	19	51	102	6
FSC0312H	19	76	305	19	76	127	4
FSC0323.5H	19	76	597	19	76	127	6
FSC0412H	19	102	305	19	76	127	4
FSC0423.5H	19	102	597	19	76	127	6
FSC04.509.5H	32	114	241	38	114	178	4
FSC0712H	25	178	305	25	178	254	4
FSC0723.5H	25	178	597	25	178	254	6
FSC0812H	25	210	305	25	203	260	4
FSC0823.5H	25	210	305	25	203	260	4
FSC1016HH	51	260	406	25	254	311	4
FSC1031.5H	51	260	800	25	254	311	8
FSC0924H	0	235	183	57	235	349	4
FSC1132H	0	292	210	32	292	356	4
FSC1416H*	25	356	400	25	356	432	8
FSC1431.5H*	25	356	800	25	356	432	16
FSC1616H	51	413	406	25	406	464	4
FSC1631.5H	51	413	800	25	406	464	8
FSC1818H	25	457	457	25	457	533	4
FSC1835.5H	25	457	902	25	457	533	8
FSC2816H*	32	711	406	32	711	813	8
FSC2831.5H*	32	711	800	32	711	813	16
FSC3821.5H*	25	965	546	25	965	1041	8
FSC3841.5H*	25	965	1054	25	965	1041	20

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- The FSC family of shaft covers have a mounting flange on one end and are designed to cover exposed rotating shafts.
- Length "C" can easily be modified for your custom installation.
- \*Denotes four pieces are required to create a complete guard.
- Additional sizes are available, contact us for additional information.
- The FSC series of guards includes Safety Captured Fasteners.

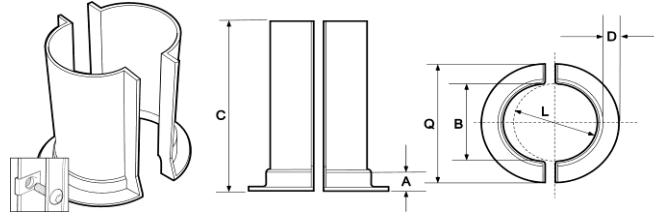
Available Materials:



3/16" ABS  
1/4" ABS  
3/16" transparent PETG



**Flanged Shaft Covers - Lightweight**



All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Maximum Length "C"	Flange "D"	Diameter "L"	Overall Flange Width "Q"	# of SCF
FSC0212L	19	51	305	19	51	102	4
FSC0223.5L	19	51	597	19	51	102	6
FSC0312L	19	76	305	19	76	127	4
FSC0323.5L	19	76	597	19	76	127	6
FSC0412L	19	102	305	19	76	127	4
FSC0423.5L	19	102	597	19	76	127	6
FSC04.509.5L	32	114	241	38	114	178	4

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- The FSC family of shaft covers have a mounting flange on one end and are designed to cover exposed rotating shafts.
- Length "C" can easily be modified for your custom installation.
- Additional sizes are available, contact us for additional information.
- The FSC series of guards includes Safety Captured Fasteners.

Available Materials:

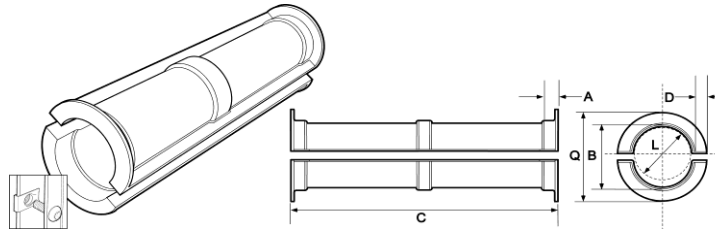


1/8" ABS

1/8" ABS Metal Detectable



**Double Flanged Shaft Covers - Heavyweight**



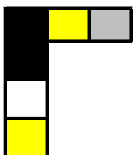
All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Maximum Length "C"	Flange "D"	Diameter "L"	Overall Flange Width "Q"	# of SCF
DFSC0224H	19	51	610	19	51	102	6
DFSC0324H	19	76	610	19	76	127	6
DFSC0424H	19	102	610	19	102	152	6
DFSC0724H	25	178	610	25	178	254	6
DFSC0824H	25	203	610	25	203	610	6
DFSC1032H	51	260	813	25	254	311	8
DFSC1132H	51	279	813	25	279	330	8
DFSC1432H	25	356	813	25	356	432	16
DFSC1632H	51	413	813	25	406	464	8
DFSC1836H	25	457	914	25	457	533	8
DFSC2232H	25	559	813	25	559	635	8
DFSC2832H*	32	711	813	32	711	813	16
DFSC3842H*	25	965	1067	25	965	1041	20

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- The DFSC family of shaft covers have a mounting flange on both ends and are designed to cover exposed rotating shafts.
- Length "C" can easily be modified for your custom installation by connecting multiple covers.
- \*Denotes four pieces are required to create a complete guard.
- Additional sizes are available, contact us for additional information.
- The DFSC series of guards includes Safety Captured Fasteners.

Available Materials:

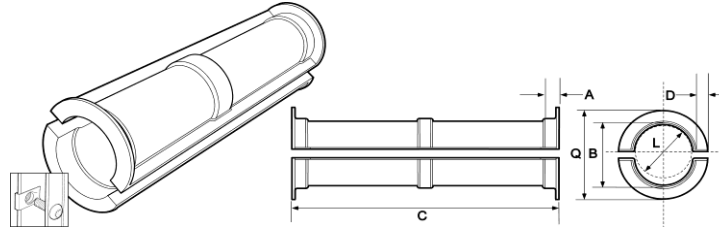


- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex





**Double Flanged Shaft Covers - Lightweight**





All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Maximum Length "C"	Flange "D"	Diameter "L"	Overall Flange Width "Q"	# of SCF
DFSC0224L	19	51	610	19	51	102	6
DFSC0324L	19	76	610	19	76	127	6
DFSC0424L	19	102	610	19	102	152	6

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

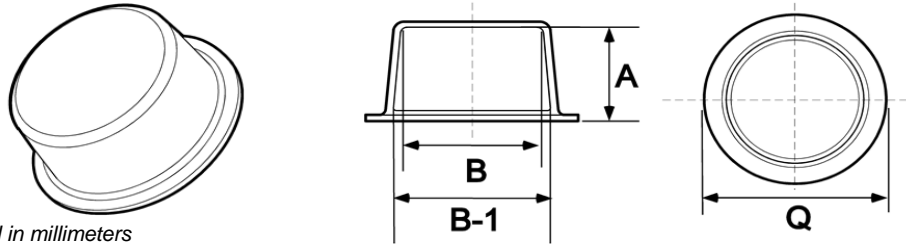
- The DFSC family of shaft covers have a mounting flange on both ends and are designed to cover exposed rotating shafts.
- Length "C" can easily be modified for your custom installation by connecting multiple covers.
- \*Denotes four pieces are required to create a complete guard.
- Additional sizes are available, contact us for additional information.
- The DFSC series of guards includes Safety Captured Fasteners.

Available Materials:

-  1/8" ABS
-  1/8" ABS Metal Detectable



Round Flanged Covers (Bearing Caps) - Heavyweight



All dimensions measured in millimeters

Part Number	Height "A"	Diameter at Bottom "B-1"	Diameter at Top "B"	Flange-to-Flange "Q"			
BC0.25x3H	6	76	76	108			
BC0.7x2.4H	17	64	60	102			
BC0.75x2.6H	19	68	65	106			
BC0.75x4H	19	105	102	143			
BC0.75x4.5H	19	143	114	181			
BC0.75x5H	19	130	129	168			
BC1.0x1.8H	25	48	44	86			
BC1.0x2.5H	25	64	64	102			
BC1.0x2.8H	25	76	70	114			
BC1.0x3.7H	25	95	94	133			
BC1.1x4.9H	29	124	95	133			
BC1.4x8.5H	35	216	216	254			
BC1.5x2.6H	38	70	64	108			
BC1.75x3.6H	43	94	90	132			
BC1.7x4.3H	43	111	108	149			
BC2.0x1.7H	51	44	43	83			
BC2.0x2.8H	51	78	70	116			
BC2.0x3.8H	51	100	97	138			
BC2.0x4H	51	108	102	146			
BC2.0x5.9H	51	154	149	192			
BC2.0x6.9H	51	179	175	217			
BC2.5x2.4H	64	67	60	106			
BC2.5x4.7H	64	121	119	159			
BC2.5x7.3H	64	192	184	230			
BC2.6x2.9H	65	78	73	116			

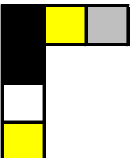


BC2.6x12.2H	65	318	310	356			
BC2.81x3.1H	70	83	78	121			
BC3.0x2H	76	60	51	98			
BC3.0x3.2H	76	90	81	129			
BC3.0x4.4H	76	121	111	159			
BC3.0x4.7H	76	127	119	165			
BC3.0x5.4H	76	144	137	183			
BC3.9x4.2H	98	127	106	165			
BC3.9x4.8H	98	140	121	178			
BC3.94x30H	98	775	762	813			
BC3.94x35H	98	902	889	940			
BC4.0x3.5H	102	103	89	141			
BC4.0x4.2H	102	124	108	162			
BC4.0x7H	102	184	178	222			
BC4x7.8H	102	210	197	248			
BC4.7x6.7H	119	191	159	229			
BC4.7x7.3H	119	203	184	241			
BC5.0x15.1H	127	394	383	432			
BC5.1x8.4H	129	235	213	273			

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Round Flanged Covers can be used to cover protruding shafts and gears.
- Round Flanged Covers can be manufactured to gain significant extra height by stacking.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.
- Custom size flanges to adjust dimension "Q" are available upon special request.
- If you do not see what you are looking for, give us a call!

Available Materials:

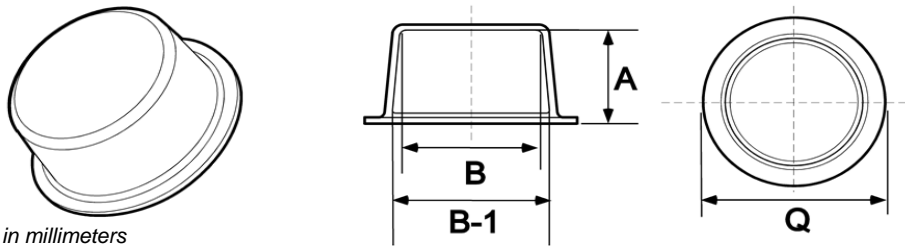


- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex

Available Options:

Gaskets

**Round Flanged Covers (Bearing Caps) - Lightweight**



All dimensions measured in millimeters

Part Number	Height "A"	Diameter at Bottom "B-1"	Diameter at Top "B"	Flange-to-Flange "Q"			
BC0.25x3L	6	76	76	114			
BC0.7x2.4L	17	64	60	102			
BC0.75x2.6L	19	68	65	106			
BC0.75x4L	19	105	102	143			
BC0.75x4.5L	19	143	114	181			
BC0.75x5L	19	130	129	168			
BC1.0x1.8L	25	48	44	86			



BC1.0x2.5L	25	64	64	102			
BC1.0x2.8L	25	76	70	114			
BC1.0x3.7L	25	95	94	133			
BC1.1x4.9L	29	124	95	133			
BC1.4x8.5L	35	216	216	254			
BC1.5x2.6L	38	70	64	108			
BC1.75x3.6L	43	94	90	132			
BC1.7x4.3L	43	111	108	149			
BC2.0x1.7L	51	44	43	83			
BC2.0x2.8L	51	78	70	116			
BC2.0x3.8L	51	100	97	138			
BC2.0x4L	51	108	102	146			
BC2.0x5.9L	51	154	149	192			
BC2.0x6.9L	51	179	175	217			



- Round Flanged Covers can be used to cover protruding shafts and gears.
- Round Flanged Covers can be manufactured to gain significant extra height by stacking.
- For installation instructions, see 'How to Install a Flange Bearing Cover' on Page 37.
- Custom size flanges to adjust dimension "Q" are available upon special request.
- Lightweight Guards are designed for non-abusive environments.
- If you do not see what you are looking for, give us a call!
- Our metal detectable ABS plastic is FDA approved for certain pharmaceutical and food applications. Contact us for specific details.



Available Materials:



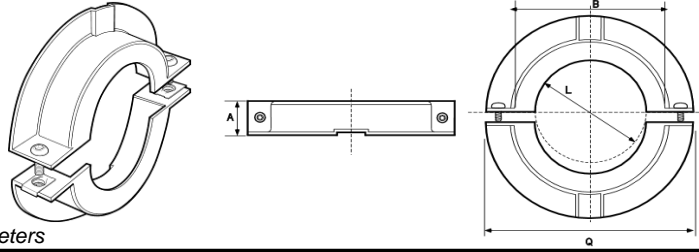
1/8" ABS  
1/8" ABS Metal Detectable

Available Options:

Gaskets



Split Round Flanged Covers

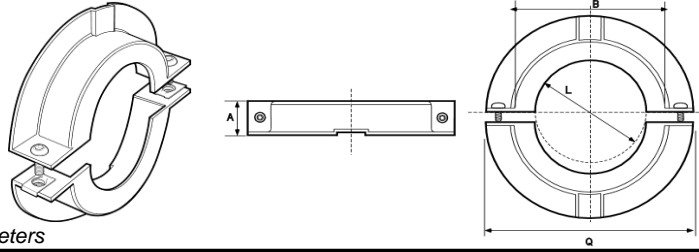


All dimensions measured in millimeters

Part Number	Height "A"	Diameter "B"	Center Cut Out Max "L"	Flange-to-Flange "Q"			
SPR0.75x6	19	152	127	197			
SPR0.875x3	22	76	51	121			
SPR1x6	25	152	127	197			
SPR1.25x6	32	152	127	197			
SPR1.25x10	32	254	229	298			
SPR1.5x6	38	152	127	197			
SPR1.5x10	38	254	229	298			
SPR1.75x6	44	152	127	197			
SPR1.75x10	44	254	229	298			



**Split Round Flanged Covers**



All dimensions measured in millimeters

Part Number	Height "A"	Diameter "B"	Center Cut Out Max "L"	Flange-to-Flange "Q"			
SPR2x6	51	152	127	197			
SPR2x10	51	254	229	298			
SPR2.25x6	57	152	127	197			
SPR2.25x10	57	254	229	298			
SPR2.5x6	64	152	127	197			
SPR2.5x10	64	254	229	298			
SPR2.75x6	70	152	127	197			
SPR2.75x10	70	254	229	298			
SPR3x6	76	152	127	197			
SPR3x10	76	254	229	298			
SPR3.5x6	89	152	127	197			

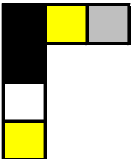
**This family of guards are measured from the LARGEST EXTERIOR POINT unless specified.**

- Split Round Flanged Covers are designed cover protruding shafts in tight spaces such as between a motor and housing or a motor and pump.



- For extremely tight locations, installation can be performed using an optional mounting extension bracket.
- The Center Cut Out "L" can be adjusted in 12.7mm increments.

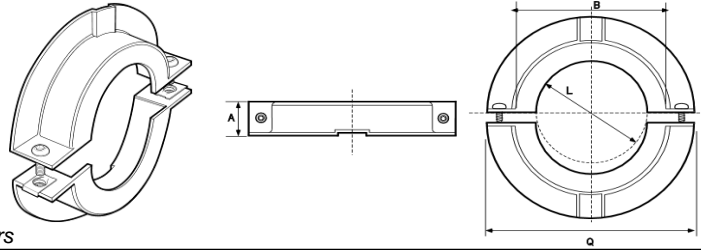
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex



Split Round Flanged Clamping Covers



All dimensions measured in millimeters

Part Number	Height "A"	Diameter "B"	Center Cut Out Max "L"	Flange-to-Flange "Q"	Height to Shoulder "D"		
SPR-C2x6.5	51	165	140	238	13		
SPR-C2x7.6	51	195	170	267	13		
SPR-C2x5.5	51	130	105	203	13		

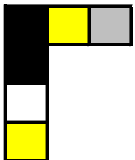
**This family of guards are measured from the LARGEST EXTERIOR POINT unless specified**

- Split Round Flanged Covers are designed cover protruding shafts in tight spaces such as between a motor and housing or a motor and pump.



- For extremely tight locations, installation can be performed using an optional mounting extension bracket.
- The Center Cut Out "L" can be adjusted in 12.7mm increments.

Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex



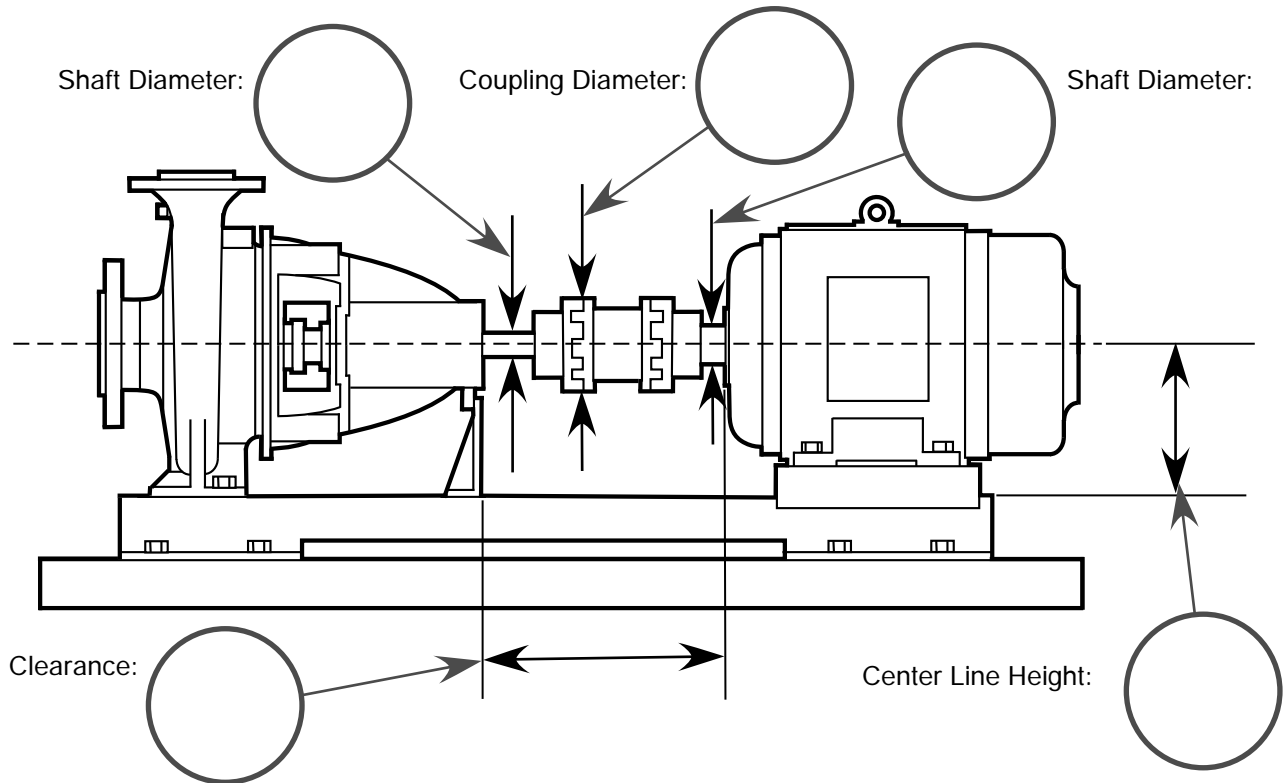


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# Coupling Cover Request Sheet

Supply information in the 5 circles provided:



**NOTES:**

- The coupling cover will be 1/2" smaller than the Clearance dimension.
- The cover slot for driveshafts up to 1" Dia. will be 1/2" larger.
- The cover slot for driveshafts from 1+" to 3" Dia. will be 1" larger.
- The cover slot for driveshafts from 3+" to 6" Dia. will be 2" larger.
- For any shaft over 6", we will call you for specific details

Other Features:

Company: \_\_\_\_\_ Contact e-mail: \_\_\_\_\_  
 Name: \_\_\_\_\_ Contact phone: \_\_\_\_\_

e-mail or FAX this sheet to:

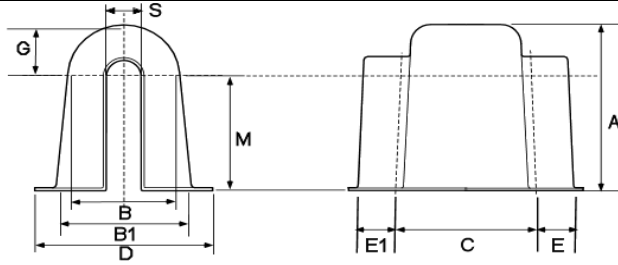
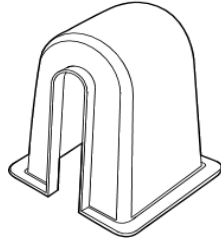
www.machineguard.com  
 office@machineguard.com  
 Fax: 877-482-7313



**Machine Guard & Cover Co.**  
 6187 136th Avenue  
 Holland, MI 49424  
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**1-Piece Coupling Cover**

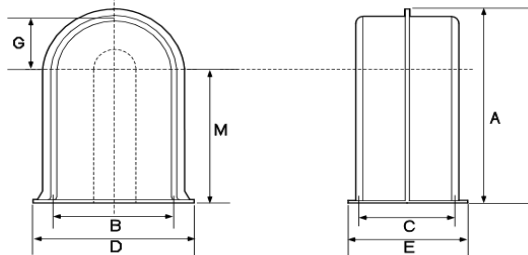
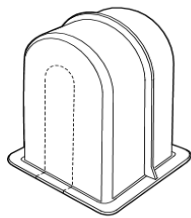


All dimensions measured in millimeters

Part Number	Height "A"	Diameter "B"	Length "C"	Height to Center "M"	Inside Radius "G"	Optional Ext. "E"	Optional Ext. "E1"		
1CC3.5-3-2.9	127	76	76	89	38	0	0		
1CC5.5-5.5-5.5	203	89	140	140	64	51	25		
1CC4.2-5.5-6	178	159	152	108	70	25	25		
*1CC10.78-8-7.2	273	203	191	83	191	0	0		
*1CC5.5-8-5.7	268	205	152	140	129	0	0		
*1CC5.3-5-5	197	127	127	64	133	0	0		
*2CC5.25-5.7-5	197	149	140	133	64	0	0		
*1CC6.5-6-4	140	152	102	76	64	0	0		
*KL111615	140	154	138	64	76	83	37		
*2CC3.7-5.1-2.7	154	129	62	87	67	0	0		
*2CC080603.5	203	152	83	125	78	0	0		
*1CC5.5-6-6	216	152	152	146	70	0	0		
*2CC6.5-6-4	238	146	102	102	111	0	0		
*1CC6.5-7.5-5.5	257	191	133	165	92	0	0		
*1CC6.5-8-6	267	203	140	165	38	64	38		
1CC8-8-5-8-7	314	216	222	203	38	0	0		
*2CC8-9-6.6	316	229	168	202	114	0	0		
*1CC8-9-7	318	229	178	203	114	0	0		
*2CC10.7-8-7.2	378	203	178	273	105	0	0		
*2CC11.5-11-6.8	432	279	171	140	292	0	0		
*1CC11.7-10.5-8.2	430	267	208	283	148	0	0		

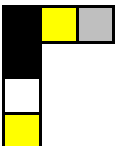
**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- 1-Piece Coupling Covers (1CC) are the smallest coupling cover offered by MGC.
- For large coupling covers, refer to the Coupling Cover Fabricated Box section.



\* Indicates guards with a center rib as shown above

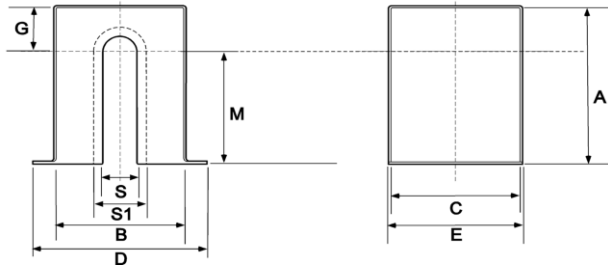
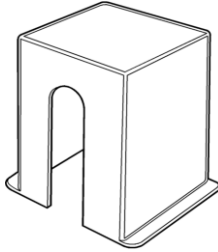
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex



**Coupling Cover Fabricated Boxes**

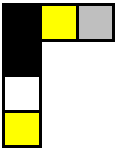


All dimensions measured in millimeters

Part Number	Height "A"	Width "B"	Inside Length "C"	Maximum Length "E"	Slots "S" and "S1"	Height to Center "M"	Center to Top "G"		
CCFB-16	Up to 406	Up to 406	Up to 406	Up to 406	Variable	Variable	Variable		
CCFB-24	Up to 609	Up to 609	Up to 609	Up to 609	Variable	Variable	Variable		
CCFB-32	Up to 812	Up to 812	Up to 609	Up to 609	Variable	Variable	Variable		
CCFB-36	Up to 914	Up to 914	Up to 609	Up to 609	Variable	Variable	Variable		

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

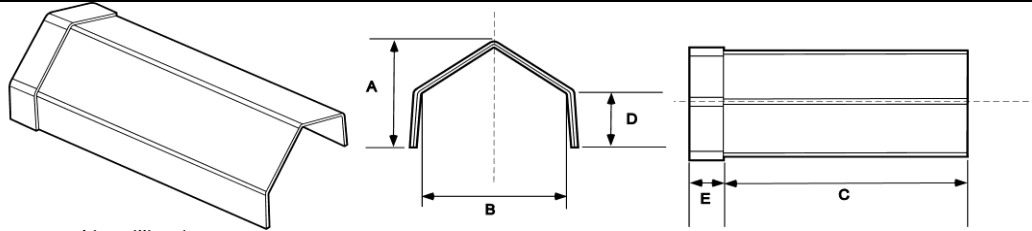
**Available Materials:**



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex



**Conveyor Covers (straight) - Heavyweight**



All dimensions measured in millimeters

Part Number	Height to Top "A"	Height to Shoulder "D"	Width "B"	Length "C"	Extension "E"	Extension "E1"		
*CRS2.50848H	64	25	197	1219	48	0		
CRS30960H	89	44	235	1524	76	0		
CRS312.560H	76	25	318	1524	51	0		
CRS609.748H	152	83	248	1219	57	57		

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**





**Conveyor Covers - Straight (CRS) are especially popular in food and pharmaceutical processing plants.**

- Conveyor Covers - Straight (CRS) are especially popular in food and pharmaceutical processing plants.
- Our transparent PETG material is FDA food grade approved, and much cheaper than stainless steel.

\* Denotes that the extension is an underlap instead of overlap

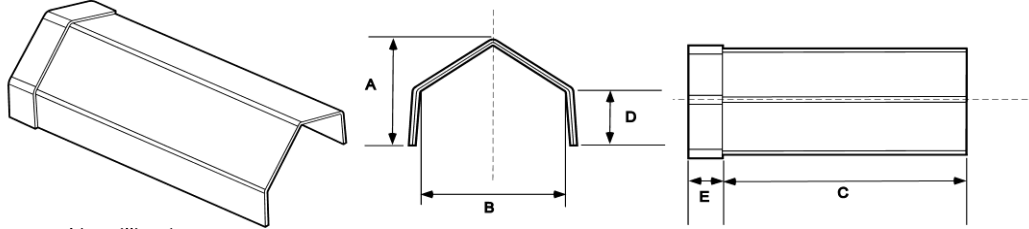
- If you do not see what you are looking for, give us a call!

Available Materials:

-  3/16" ABS
-  1/4" ABS
-  3/16" transparent PETG
-  1/4" Kydex



**Conveyor Covers (straight) - Lightweight**





All dimensions measured in millimeters

Part Number	Height to Top "A"	Height to Shoulder "D"	Width "B"	Length "C"	Extension "E"	Extension "E1"		
*CRS2.50848L	64	25	197	1219	48	0		
CRS30960L	89	44	235	1524	76	0		
CRS312.560L	76	25	318	1524	51	0		

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

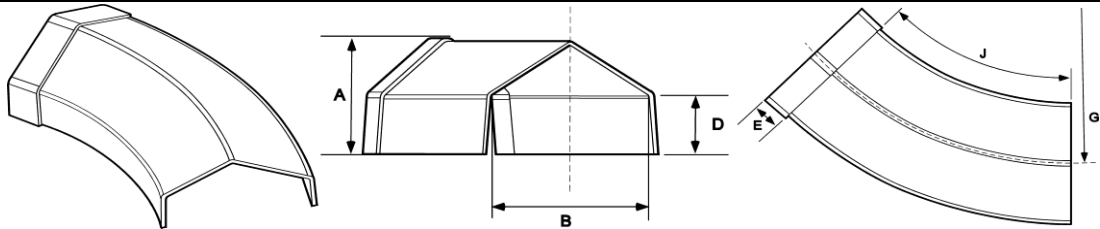
- Conveyor Covers - Straight (CRS) are especially popular for food and pharmaceutical processing applications.
- Our PETG and metal detectable ABS plastics are FDA approved for certain pharmaceutical and food applications. Contact us for specific details.
- \* Denotes that the extension is an underlap instead of overlap.
- If you do not see what you are looking for, give us a call!

Available Materials:

-  1/8" ABS
-  1/8" ABS Metal Detectable



**Conveyor Covers (curved) - Heavyweight**



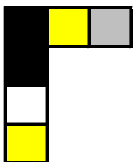
All dimensions measured in millimeters

Part Number	Height to Top "A"	Height to Shoulder "D"	Width "B"	Extension "E"	Extension "E1"	Radius Centerline "G"	Degree of Turn "J"
CRR2.5087.2H	64	25	197	51	51	184	180
CRR2.5088.2H	64	25	197	76	76	210	180
CRR2.50811H	64	25	197	76	76	279	180
CRR2.50824H	64	25	197	51	51	610	90
CRR30924H	76	44	235	0	0	610	90
CRR609.717H	152	83	248	76	0	432	90
CRR609.724H	152	83	248	25	0	610	45
CRR7x24	178	102	152	0	0	610	90

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Conveyor Covers - Curved (CRR) are especially popular for food and pharmaceutical processing applications.
- Our PETG and metal detectable ABS plastics are FDA approved for certain pharmaceutical and food applications. Contact us for specific details.
- If you do not see what you are looking for, give us a call!

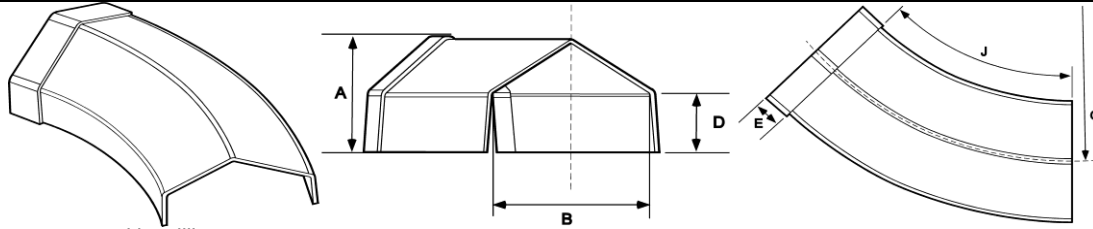
Available Materials:



- 3/16" ABS
- 1/4" ABS
- 3/16" transparent PETG
- 1/4" Kydex



**Conveyor Covers (curved) - Lightweight**





All dimensions measured in millimeters

Part Number	Height to Top "A"	Height to Shoulder "D"	Width "B"	Extension "E"	Extension "E1"	Radius Centerline "G"	Degree of Turn "J"
CRR2.5087.2L	64	25	197	51	51	184	180
CRR2.5088.2L	64	25	197	76	76	210	180
CRR2.50811L	64	25	197	76	76	279	180
CRR2.50824L	64	25	197	51	51	610	90
CRR30924L	76	44	235	0	0	610	90

**Guards are measured from the SMALLEST INTERIOR POINT unless specified.**

- Conveyor Covers - Curved (CRR) are especially popular for food and pharmaceutical processing applications.
- Our PETG and metal detectable ABS plastics are FDA approved for certain pharmaceutical and food applications. Contact us for specific details.
- If you do not see what you are looking for, give us a call!

Available Materials:

-  1/8" ABS
-  1/8" ABS Metal Detectable



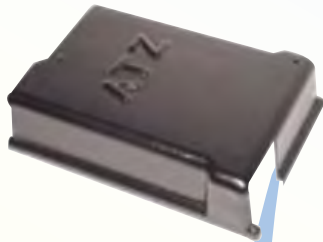




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Custom lettering available via forming or engraving text or your company's logo directly into your guards.



Extra-large guards and square boxes can be fabricated instead of thermoformed. Components can be fixed together using a high-strength adhesive or multiple guards can be attached with hardware to make a larger assembly.



Mounting holes can be added, flange widths changed, or using CNC routing, custom standard parts can be custom trimmed to your specifications.



Low volume custom parts can be produced using prints, sketches, CAD or solid model files. The in-house design team at Machine Guard & Cover Co. will work to create a guard for your specific needs.



Kydex and PETG are resistant to many chemical compounds. ABS can withstand temperatures up to 200°F. PETG can withstand up to 180°F. Kydex has a fire resistance rating of UL Std. 94 V-0, 5V.



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[www.machineguard.com](http://www.machineguard.com)

Blue, metal detectable ABS plastic and PETG are FDA approved for certain pharmaceutical and food applications. Contact us for specific details.

Useful in the food and pharmaceutical industries, plastic guards can be sterilized with steam and most detergent solutions.

Thick plastics are lighter, sound dampening and impact and corrosion resistant and when compared to the rising cost of stainless steel fabrication or aluminum casting thermoformed guards offer an average of 50% cost savings.



	3/16" ABS
	1/8" ABS
	1/8" ABS Metal Detectable*
	1/4" ABS
	1/8" and 3/16" transparent PETG*
	1/4" Kydex

*Material specifications available upon request.*

\* PETG and metal detectable ABS are FDA food grade approved materials.

Please Note: Finished thermoformed parts are thinner than the original material due to stretching in the manufacturing process.

