

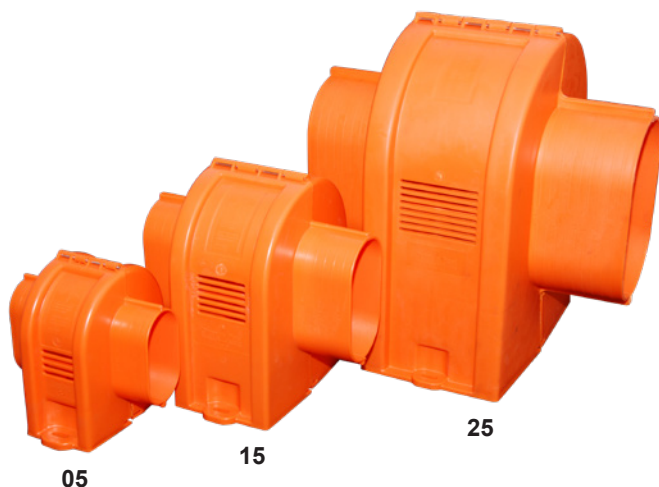
PARTS & ACCESSORIES: ROTATING SHAFT GUARDS

Orange Peel® - Type MCG Polyethylene Guards

Section	1985
Page	1985.1
Issue	A

TABLE OF CONTENTS

Specifications	1
Features & Benefits	1
NEMA Motor Quick Selections.....	2
IEC Motor Quick Selections	3
Product Selection	4
Product Selection & Dimensions	5



FEATURES & BENEFITS

- Close-coupled Coupling Guard
 - » Three sizes available: 05, 15 & 25
- Each Guard Includes:
 - » 2 molded halves assembled with a 304/A2 SS pin
 - » 4 optional snap-fit end cap halves
 - » 2 fender washers 304/A2 SS
 - » Installation manual
- Construction:
 - » Durable and ideal for harsh environments
 - » -40°F to +170°F (-40°C to +75°C)
 - » High impact polyethylene
 - » Stainless steel hardware
 - » Radial vents
 - » Optional risers available (sold separately)
 - » Stainless steel hardware
- Safety
 - » Comply with OSHA, ASME and ANSI standards
 - » These guards are molded safety orange
 - » Non-sparking
 - » Molded ANSI warning labels
- Ease of Installation
 - » Measure using trim lines, cut and fit hardware
 - » Saves installation time and expense
- Low Installation Cost
 - » Less expensive than custom designed guards
- Easy Coupling Access
 - » Guards are hinged at the top allowing easy access to coupling for inspection or maintenance

SPECIFICATIONS

Guard Size	Viking Part Number	Orange Peel Number	Risers (Steel)	Orange Peel Number	Viking Part Number	Risers (Stainless)	Orange Peel Number	Viking Part Number
MCG05	2-292-L22-925-00	2924200	1.5" Steel	2924219	2-773-085-200-00	1.5" Stainless	2924218	2-773-086-610-00
			3.0" Steel	2924222	2-773-087-200-00	3.0" Stainless	2924221	2-773-088-610-00
			4.5" Steel	2924225	2-773-089-200-00	4.5" Stainless	2924224	2-773-090-610-00
MCG15	2-292-L23-925-00	2924201	2.0" Steel	2924228	2-773-091-200-00	2.0" Stainless	2924218	2-773-092-610-00
			4.0" Steel	2924231	2-773-093-200-00	4.0" Stainless	2924221	2-773-094-610-00
			6.0" Steel	2924234	2-773-095-200-00	6.0" Stainless	2924224	2-773-096-610-00
MCG25	2-292-L24-925-00	2924202	3.0" Steel	2924220	2-773-097-200-00	3.0" Stainless	2924229	2-773-098-610-00
			6.0" Steel	2924223	2-773-099-200-00	6.0" Stainless	2924232	2-773-100-610-00
			9.0" Steel	2924226	2-773-101-200-00	9.0" Stainless	2924235	2-773-102-610-00

Section	1985
Page	1985.2
Issue	A

PARTS & ACCESSORIES: ROTATING SHAFT GUARDS

Orange Peel® - Type MCG Polyethylene Guards

NEMA MOTOR QUICK SELECTIONS

Quick selections are based on the manufacturer's catalog; close-coupled coupling diameter and width, with straight bored hubs.

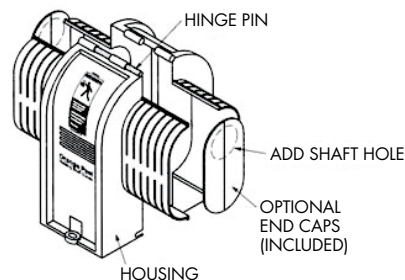
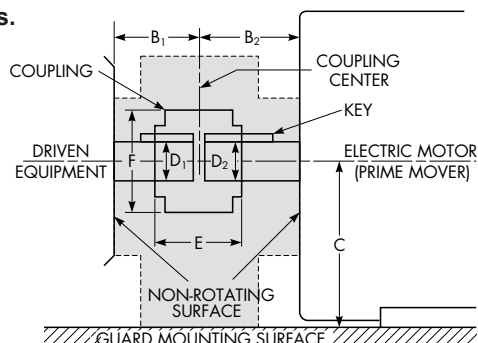
Verify all selection dimensions. Maximum RPM is 3600.

Check B, C, D, E & F Selection Dimensions.

Features: Standard polyethylene guards provide safety compliance, economy and maintenance convenience.

By trimming the guard extensions, MCG Coupling Guards can accommodate a wide range of equipment and shaft coupling types.

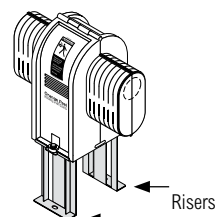
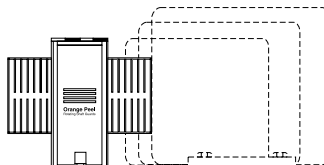
Guards are supplied with molded ISO safety labels.



Motor			Guard Selection		Dimensions (in) / Coupling Size							Optional Riser	
Frame	Shaft Dia	C	ANSI Safety Orange Part Number	Coupling Reference	B Max	B Min	C Max	C Min	D Max	E Max	F Max	Height	Part Number
48	0.5	3	2924200		4.25	2	5.25	3	1.38	3.5	4	1.5	2924218
56	0.625	3.5	Size 05	Rexnord Wrapflex	Sizes:	5R	—	—	—	—	—	3	2924221
143T	0.875	3.5		Falk Steelflex	Sizes:	1020	1030	—	—	—	—	4.5	2924224
145T	0.875	3.5		Lovejoy Jaw	Sizes:	70	75	90	95	99	100	1.50 ①	2924227 ①
182T	1.125	4.5		Woods Sureflex	Sizes:	3	4	5	6	—	—	3.00 ①	2924230 ①
184T	1.125	4.5		Martin Chain	Sizes:	4012	4016	—	—	—	—	4.50 ①	2924233 ①
213T	1.375	5.25		Rexnord Omega	Sizes:	E2	—	—	—	—	—	—	—
215T	1.375	5.25		—	—	—	—	—	—	—	—	—	—
182T	1.125	4.5	2924201		6.25	2.91	7.5	4.5	2.13	5	6.38	2	2924219
184T	1.125	4.5	Size 15	Rexnord Wrapflex	Sizes:	10	20	—	—	—	—	4	2924222
213T	1.375	5.25		Falk Steelflex	Sizes:	1040	1050	1060	—	—	—	6	2924225
215T	1.375	5.25		Lovejoy Jaw	Sizes:	110	150	190	—	—	—	2.00 ①	2924228 ①
254T	1.625	6.25		Woods Sureflex	Sizes:	7	8	9	—	—	—	4.00 ①	2924231 ①
256T	1.625	6.25		Rexnord Viva	Sizes:	110	125	130	—	—	—	6.00 ①	2924234 ①
284T	1.875	7		Martin Chain	Sizes:	5016	5018	6018	6020	—	—	—	—
284TS	1.625	7		AGMA Gear	Sizes:	10	15	—	—	—	—	—	—
286T	1.875	7		Rexnord Omega	Sizes:	E4	E5	E10	—	—	—	—	—
286TS	1.625	7		—	—	—	—	—	—	—	—	—	—
284T	1.875	7	2924202		9.25	4.19	11.5	7	3.88	7.25	9.63	3	2924220
284TS	1.625	7	Size 25	Rexnord Wrapflex	Sizes:	30	40	—	—	—	—	6	2924223
286T	1.875	7		Falk Steelflex	Sizes:	1070	1080	1090	—	—	—	9	2924226
286TS	1.625	7		Lovejoy Jaw	Sizes:	225	226	—	—	—	—	3.00 ①	2924229 ①
324T	2.125	8		Woods Sureflex	Sizes:	10	11	—	—	—	—	6.00 ①	2924232 ①
324TS	1.875	8		Rexnord Viva	Sizes:	170	190	215	245	—	—	9.00 ①	2924235 ①
326T	2.125	8		Martin Chain	Sizes:	6022	8018	8020	10018	—	—	—	—
326TS	1.875	8		AGMA Gear	Sizes:	20	25	30	—	—	—	—	—
				Rexnord Omega	Sizes:	E20	E30	E40	—	—	—	—	—
364T	2.375	9											
364TS	1.875	9											
365T	2.375	9											
365TS	1.875	9											
404T	2.875	10											
404TS	2.125	10											
405T	2.875	10											
405TS	2.125	10											
444T	3.375	11											
444TS	2.375	11											
445T	3.375	11											
445TS	2.375	11											

Guard with Motor Frame Sizes:

Guards for larger frame motors may require guard accessories or an alternative guard design. Please follow MCG guard selection procedure on pages 4-5.



① 304/A2 Stainless Steel.

PARTS & ACCESSORIES: ROTATING SHAFT GUARDS

Orange Peel® - Type MCG Polyethylene Guards

Section	1985
Page	1985.3
Issue	A

IEC MOTOR QUICK SELECTIONS

Quick selections are based on the manufacturer's catalog; close-coupled coupling diameter and width, with straight bored hubs.

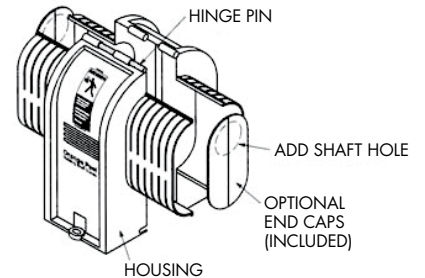
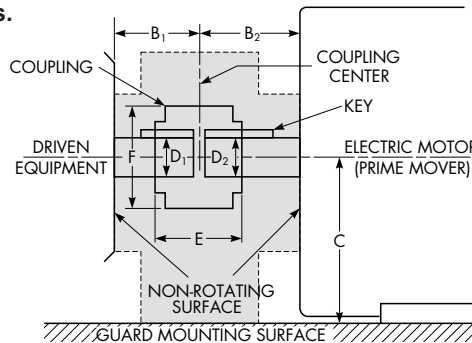
Verify all selection dimensions. Maximum RPM is 3600.

Check B, C, D, E & F Selection Dimensions.

Features: Standard polyethylene guards provide safety compliance, economy and maintenance convenience.

By trimming the guard extensions, MCG Coupling Guards can accommodate a wide range of equipment and shaft coupling types.

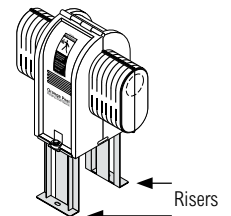
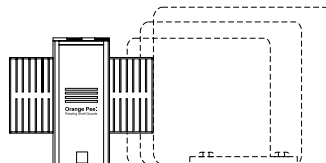
Guards are supplied with molded ISO safety labels.



Motor			Guard Selection		Dimensions (in) / Coupling Size							Optional Riser	
Frame	Shaft Dia	C	ANSI Safety Orange Part Number	Coupling Reference	B Max	B Min	C Max	C Min	D Max	E Max	F Max	Height	Part Number
71	14	71	2924200 Size 05	Rexnord Wrapflex	Sizes: 108	51	133	71	38	89	102	38	2924218
80	19	80		Falk Steelflex	Sizes: 1020	1030	—	—	—	—	—	76	2924221
90S	24	90		KTR Curved Jaw	Sizes: 14	19	24	28	—	—	—	114	2924224
90L	24	90		Woods Sureflex	Sizes: 3	4	5	6	—	—	—	38 ①	2924227 ①
100L	28	100		Flender N-Eupex	Sizes: 68	80	95	100	—	—	—	76 ①	2924230 ①
112M	28	112		—	—	—	—	—	—	—	—	114 ①	2924233 ①
132S	38	132		—	—	—	—	—	—	—	—	—	—
132M	38	132		—	—	—	—	—	—	—	—	—	—
112M	28	112	2924201 Size 15	Rexnord Wrapflex	Sizes: 159	74	191	112	55	127	162	51	2924219
132S	38	132		Falk Steelflex	Sizes: 1040	1050	1060	—	—	—	—	102	2924222
132M	38	132		KTR Curved Jaw	Sizes: 38	42	—	—	—	—	—	152	2924225
160M	42	160		Woods Sureflex	Sizes: 7	8	9	—	—	—	—	51 ①	2924228 ①
160L	42	160		Flender N-Eupex	Sizes: 110	125	140	160	—	—	—	102 ①	2924231 ①
180M	48	180		Rexnord Viva	Sizes: 110	125	130	—	—	—	—	152 ①	2924234 ①
180L	48	180		Flender Gear	Sizes: 1	1.5	—	—	—	—	—	—	—
200L	55	200		—	—	—	—	—	—	—	—	—	—
180M	48	180	2924202 Size 25	Rexnord Wrapflex	Sizes: 235	106	292	178	100	184	245	76	2924220
180L	48	180		Falk Steelflex	Sizes: 1070	1080	1090	—	—	—	—	152	2924223
200L	55	200		KTR Curved Jaw	Sizes: 48	55	65	—	—	—	—	229	2924226
225S	60	225		Woods Sureflex	Sizes: 10	11	—	—	—	—	—	76 ①	2924229 ①
225M	60	225		Flender N-Eupex	Sizes: 180	200	225	—	—	—	—	152 ①	2924232 ①
250M	70	250		Rexnord Viva	Sizes: 170	190	215	245	—	—	—	229 ①	2924235 ①
280S	75	280		Flender Gear	Sizes: 2	2.5	3	—	—	—	—	—	—
280M	75	280		—	—	—	—	—	—	—	—	—	—
315S	80	315 ②		—	—	—	—	—	—	—	—	—	—
315M	90	315 ②		—	—	—	—	—	—	—	—	—	—
355M	100	355 ②		—	—	—	—	—	—	—	—	—	—
355L	100	355 ②		—	—	—	—	—	—	—	—	—	—
400M	100	400 ②		—	—	—	—	—	—	—	—	—	—
400L	100	400 ②		—	—	—	—	—	—	—	—	—	—

Guard with Motor Frame Sizes:

Guards for larger frame motors may require guard accessories or an alternative guard design. Please follow MCG guard selection procedure on pages 4-5.



Section	1985
Page	1985.4
Issue	A

PARTS & ACCESSORIES: ROTATING SHAFT GUARDS

Orange Peel® - Type MCG Polyethylene Guards

PRODUCT SELECTION

1. Determine application dimensions. Considerations:

A _____
 B1 _____ (trimming dimension)
 B2 _____ (trimming dimension)
 C _____
 D1 _____
 D2 _____
 E _____
 F _____
 RPM _____

- Install and operate Orange Peel products in conformance with applicable local and national safety codes, and as stated in the supplied Orange Peel Installation and Maintenance Manual.
- The user must make a determination of guard size and suitability for a specific use.
- If application dimensions are preliminary, leave allowances in your selection. Maintain design clearances for couplings that are not symmetrical.
- Allowable temperature range is -40°F to 170°F (-40°C to 77°C), up to 200°F (94°C) intermittent.
- Etched safety labels are molded into the guard halves.
- High-vibratory applications may need additional guard support.

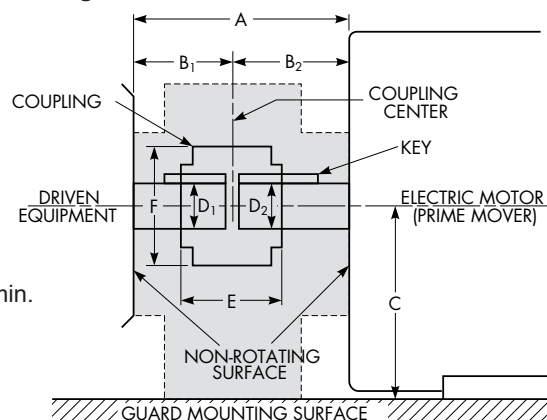
2. Compare application dimensions to guard sizing dimensions in the product selection tables.

If the application dimension exceeds the sizing dimension, select the next largest size.

See Quick Selection tables on pages 2-3.

Application dimension:

- » Select the smallest guard size where application dimension E is less than E max.
- » Verify that application Dimension F is less than F max.
Maximum RPM is 3600.
- » Verify that application Dimension A falls between the A max and A min.
- » Verify that application Dimensions B1 and B2 fall between B max and B min.
The coupling guard can be mounted off center, if clearances permit.
Coupling hubs can be overhung to increase application Dimension B.
- » Verify that application Dimension C falls between C max and C min.
If not, verify that application Dimension C is less than C max w/riser, and add appropriate riser to the guard selection. (Part numbers are shown on page 5.)
- » Verify that application Dimensions D1 and D2 are less than D max w/key.
Coupling hubs can protrude into the guard extensions, if the diameter is less than D max w/o key.



Product Selection Table (in)

Guard Size	A ① Max	A ② Min	B ① Max	B ② Min	C Max	C Min	C Max with Riser			D Max w/Key	D Min w/o Key	E Max	F Max	ANSI Safety Orange	
														Guard Part No.	Weight (lb)
05	8.5	4.00	4.25	2.00	5.25	3.00	6.75	8.25	9.75	1.38	1.75	3.5	4.00	2924200	1.3
15	12.5	5.81	6.25	2.91	7.5	4.5	9.5	11.5	13.5	2.13	2.63	5.00	6.38	2924201	3.1
25	18.5	8.38	9.25	4.19	11.5	7.00	14.5	17.5	20.5	3.88	4.88	7.25	9.63	2924202	8.1

Product Selection Table (mm)

Guard Size	A ① Max	A ② Min	B ① Max	B ② Min	C Max	C Min	C Max with Riser			D Max w/Key	D Min w/o Key	E Max	F Max	ANSI Safety Orange	
														Guard Part No.	Weight (kg)
05	216	102	108	51	133	71	171	210	248	38	44	89	102	2924200	0.59
15	318	148	159	74	191	112	241	292	343	55	67	127	162	2924201	1.41
25	470	213	235	106	292	178	368	445	521	100	124	184	245	2924202	3.69

① Includes maximum allowable gaps.

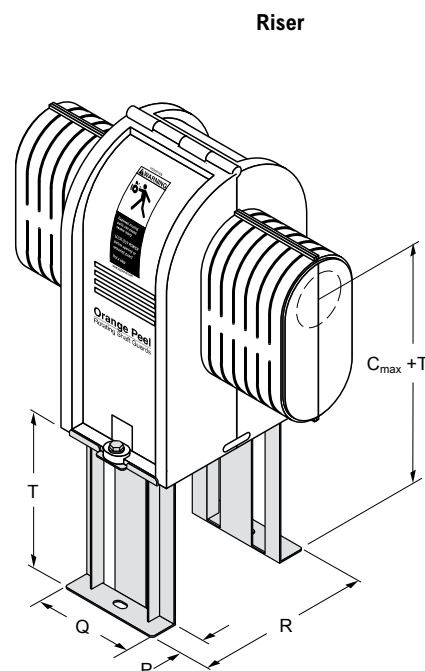
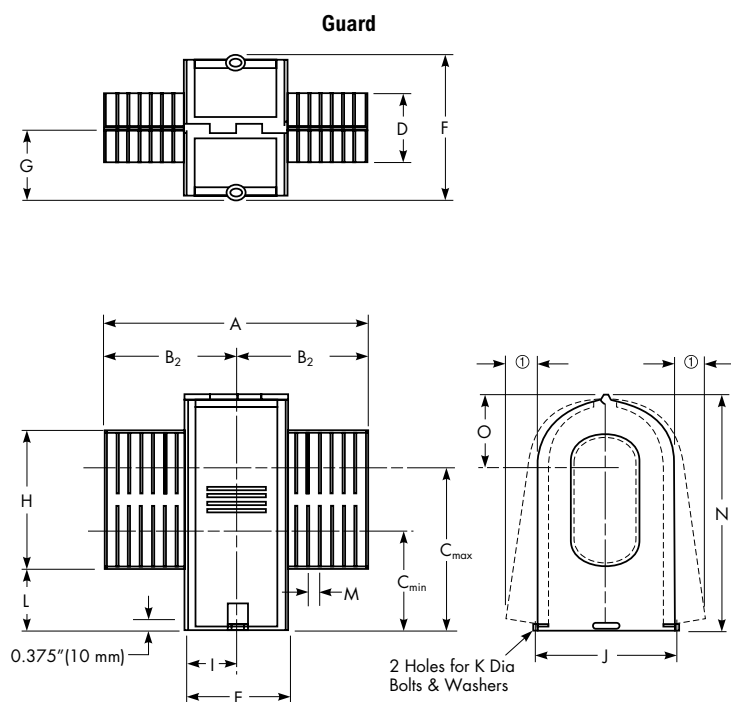
② Without end caps (with end caps, add 0.375"/10 mm per side, allow 0.750" hub to machine clearance).

PARTS & ACCESSORIES: ROTATING SHAFT GUARDS

Orange Peel® - Type MCG Polyethylene Guards

Section	1985
Page	1985.5
Issue	A

PRODUCT SELECTION & DIMENSIONS



Notes:

- Guard includes 2 molded halves, assembled with a 304/A2 SS pin, 4 optional snap-fit end cap halves, (2) 304/A2 SS fender washers and installation manual.
 - Riser mounting slot is in the same location as the guard.
 - Nominal material thickness is 0.13" (3.3 mm)
Size 05, 0.16" (4.1 mm) Size 15, 0.19" (4.8 mm) Size 25.
 - Polyethylene guards cannot be painted.
- ① Requires a side clearance in each direction for guard removal or installation. Guard bottom can be removed, if mounted on a solid surface.

Optional Riser:

Guard Size	Height Adder (T)		Part Number		Weight	
	(in)	(mm)	Steel	304 SS	(lb)	(kg)
05	1.5	38	2924218	2924227	0.7	0.3
	3	76	2924221	2924230	1	0.5
	4.5	114	2924224	2924233	1.4	0.6
15	2	51	2924219	2924228	0.9	0.4
	4	102	2924222	2924231	1.3	0.6
	6	152	2924225	2924234	1.9	0.9
25	3	76	2924220	2924229	1.8	0.8
	6	152	2924223	2924232	2.8	1.3
	9	229	2924226	2924235	3.6	1.6

Guard Dimensions (in)

Guard Size	A	B	C ② Max	C Min	C Max + T			D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
05	8.00	4.00	5.25	3.00	6.75	8.25	9.75	2.75	4.00	7.38	3.69	5.50	2.00	6.00	0.31	1.37	0.50	8.57	3.32	1.50	4.00	7.44
15	12.00	6.00	7.50	4.50	9.50	11.50	13.50	3.75	5.81	9.94	4.97	7.20	2.91	8.56	0.31	2.40	0.50	12.02	4.52	1.50	5.81	9.94
25	18.00	9.00	11.50	7.00	14.50	17.50	20.50	6.00	8.38	13.62	6.81	10.63	4.19	12.25	0.31	3.94	0.50	18.13	6.63	2.00	8.38	12.56

Guard Dimensions (mm)

Guard Size	A	B	C ② Max	C Min	C Max + T			D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
05	203	102	133	71	171	210	248	70	102	188	94	140	51	154	8	35	12.5	218	84	38	102	189
15	305	152	191	112	241	292	343	95	148	252	126	183	74	217	8	61	12.5	305	115	38	148	252
25	457	229	292	178	368	445	521	152	213	346	173	270	106	311	8	100	12.5	461	168	51	213	319

② Add Riser (T), to increase C max dimension.