#### **Global Resource Products Inc.**

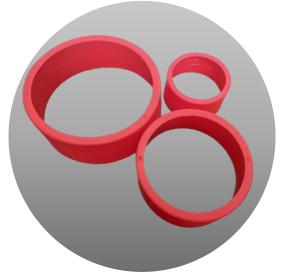
Pipe and Flange Protection Caps and Plugs



Global Resource Products carries a wide range of different style pipe thread pro-tectors..high heat paint resistant thread protectors, openend pipe protectors, closed-end pipe protectors and flange discs designed to protect pipe ends from rust and contaminants and coverage during painting and other processes.

Global Resource Products, Inc. 3419 Westminster #204 Dallas, Texas 75205 Phone: 817-304-3378 Email: grpi@hughes.net Website: www.globalresourceproducts.com Webstore: www.globalresourceproducts.net

# **GRPI-Pro-Tector**



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#### **Global Resource Products Inc.**

#### Pipe and Flange Protection Caps and Plugs

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# **GRPI-Pro-Tector**

Pipe High Temperature Silicone Plugs and Groove Bands Protect Threads During Coating Processes...paint-baking, electroplating, powder coating, chrome plating, shot blasting....Ease of Installation, Eliminates masking with high temperature tape...Cost effective...Saves time and money...Reusable...Process More Products Per Day.

Our Pro-tectors are produced from a specially formulated paint-resistant Silicone with a temperature range up to 450F. The raw material is formulated with antioxidant chemicals. The Paint-Resistant Silicone gives a higher strength and tougher Pro-tector eliminating tearing. After use, a simple twist of the part will cause the paint to pop off the Pro-tector allowing repeated reuse.



Groove Bands (Page 4) STYLES



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# **GROOVE BANDS**

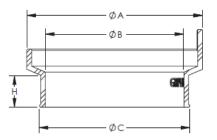
Groove Bands protect outer threads during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The tab allows for quick removal. Made from high temperature paint-resistant silicone these groove bands work in temperatures as high as 450F. Paint pops off with a twist of the band allowing for repeated use.

P/N	ID	THICKNESS		Designation
RPI-1978-A1	2.00"	.305″	Green	2″ DN50
RPI-1978-A2	3.20"	.305″	Red	3" DN50
RPI-1978-A3	4.00"	.305″	Yellow	4" DN50
RPI-1978-A4	6.25″	.305″	Blue	6" DN50



#### **PULL-FIT TABBED PLUGS**

Tabbed Plugs protect inner threads during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Pull-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

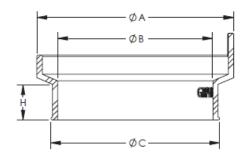


P/N	SIZE	A UPPER OUTSIDE DIAMETER	B UPPER INSIDE DIAMETER	C LOWER OUTSIDE DIAMETER	H THREAD COVERAGE
RPI-1978-D	2.5″	2.80"	2.554"	2.25"	0.80"
RPI-1978-B	3″	3.18"	2.934"	2.90"	0.52″
RPI-3016	4"	5.026"	4.25"	4.306"	0.314"
RPI-2935-1	4"	4.50"	4.25"	3.85″	0.814"
RPI-2935-2	4"	5.026"	4.25"	4.38"	1.50"

#### PULL-FIT TABBED PLUG P/N RPI-1978-D 2.5" TABBED PLUG



RPI-1978-D 2.5" Tabbed Plugs protect inner threads on 2.5" Pipe during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Pull-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

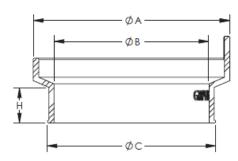


Dimensional Data A – Upper Outside Diameter 2.80" B – Upper Inside Diameter 2.554" C – Lower Outside Diameter 2.25" H – Thread Coverage 0.80"

#### PULL-FIT TABBED PLUG P/N RPI-1978-B 3" TABBED PLUG



RPI-1978-B 3" Tabbed Plugs protect inner threads on 3" Pipe during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Pull-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.



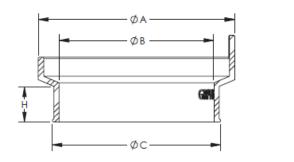
Dimensional Data A – Upper Outside Diameter 3.18" B – Upper Inside Diameter 2.934" C – Lower Outside Diameter 2.90" H – Thread Coverage 0.52"

Free Sample Available on Request Call or email for quote 817-304-3378 grpi@hughes.net

### PULL-FIT TABBED PLUG P/N RPI-3016 4" TABBED FITTING PLUG



RPI-3016 4" Tabbed Plugs protect inner threads on 4" fitting during paint-baking, electroplating, powder coating, chrome plating and shot blasting. Thread coverage is .314". The Pull-Fit tab allows for quick removal. Made from high temperature paintresistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

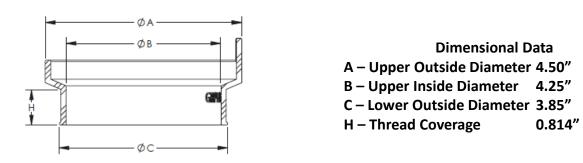


Dimensional Data A – Upper Outside Diameter 5.026" B – Upper Inside Diameter 4.25" C – Lower Outside Diameter 4..306" H – Thread Coverage 0.314"

#### PULL-FIT TABBED PLUG P/N RPI-2935-1 4" TABBED COUPLING PLUG



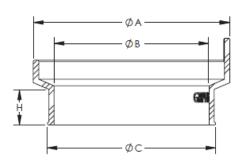
RPI-2935-1 4" Tabbed Plugs protect inner threads on 4"coupling during paint-baking, electroplating, powder coating, chrome plating and shot blasting. Thread coverage is .814". The Pull-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.



#### PULL-FIT TABBED PLUG P/N RPI-2935-2 4" TABBED COUPLING PLUG With 1.50" Thread Coverage



RPI-2935-2 4" Tabbed Plugs protect inner threads on 4"coupling during paint-baking, electroplating, powder coating, chrome plating and shot blasting. Thread coverage is 2.314". The Pull-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

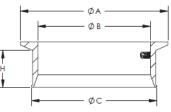


Dimensional Data A – Upper Outside Diameter 5.026" B – Upper Inside Diameter 4.25" C – Lower Outside Diameter 4.38" H – Thread Coverage 1.50"



#### **PUSH-FIT COLLARED PLUG**

Collared Plugs protect inner threads and pipe face during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Push-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use. A "feathered" feature prevents paint buildup.

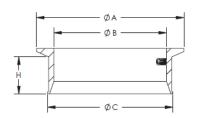


P/N	Description	A - Upper Outside Diameter	B - Upper Inside Diameter	C - Lower Outside Diameter	H – Thread Coverage
RPI-1978-F	Collared 1"	1.70"	.900"	1.27″	.600"
RPI-1978-I	Collared 1" Feathered	1.71"	.900"	1.27"	.314"
RPI-1978-CF	Collared 2" Feathered	2.71"	1.80"	2.20"	.50″
RPI-1978-G	Collared 3"	3.90"	2.89"	3.46"	1.00"
RPI-1978-H	Collared 4"	4.885"	3.875″	4.413"	1.25"
RPI-2977	Collared 4" Coupling	4.875″	3.875"	4.350"	.715"
RPI-3052	Collared 3.5" Coupling	4.240"	3.240"	3.610"	1.064"

#### PUSH-FIT COLLARED PLUG P/N RPI-1978-F 1" COLLARED PLUG



RPI-1978-F Collared Plug protects inner threads and pipe face during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Push-Fit tab allows for quick removal.
 Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

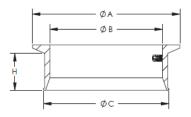


Dimensional Data				
A – Upper Outside Diameter 1.70"				
B – Upper Inside Diameter 0.90"				
C – Lower Outside Diameter	1.27"			
H – Thread Coverage	0.60"			

#### PUSH-FIT COLLARED PLUG P/N RPI-1978-I 1" COLLARED PLUG FEATHERED



RPI-1978-I Collared Plug protects inner threads and pipe face during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The feathered feature prevents paint buildup. The Push-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

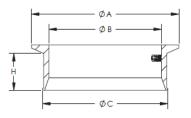


Dimensional Data A – Upper Outside Diameter 1.700" B – Upper Inside Diameter 0.900" C – Lower Outside Diameter 1.270" H – Thread Coverage 0.314"

#### PUSH-FIT COLLARED PLUG P/N RPI-1978-CF 2" COLLARED PLUG FEATHERED



RPI-1978- CFCollared Plug protects inner threads and pipe face during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The feathered feature prevents paint buildup. The Push-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

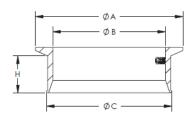


Dimensional Data A – Upper Outside Diameter 2.71" B – Upper Inside Diameter 1.80" C – Lower Outside Diameter 2.20" H – Thread Coverage 0.50"

#### PUSH-FIT COLLARED PLUG P/N RPI-1978-G 3" COLLARED PLUG



RPI-1978-G Collared Plug protects inner threads and pipe face during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Push-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

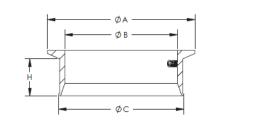


Dimensional Data			
A – Upper Outside Diameter	3.90"		
B – Upper Inside Diameter	2.89"		
C – Lower Outside Diameter	3.46"		
H – Thread Coverage	1.00"		

#### PUSH-FIT COLLARED PLUG P/N RPI-3052 3.5" COLLARED PLUG -COUPLING



RPI-3052 Collared Plug protects inner threads and pipe face during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Push-Fit tab allows for quick removal.
Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

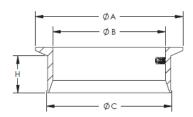


Dimensional Data				
A – Upper Outside Diameter	4.240"			
B – Upper Inside Diameter	3.240"			
C – Lower Outside Diameter	3.610"			
H – Thread Coverage	1.064"			

#### PUSH-FIT COLLARED PLUG P/N RPI-1978-H 4" COLLARED PLUG



RPI-1978-H Collared Plug protects inner threads and pipe face during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Push-Fit tab allows for quick removal.
 Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.

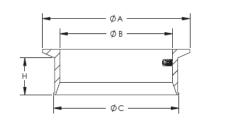


Dimensional Data				
A – Upper Outside Diameter	4.885"			
B – Upper Inside Diameter	3.875"			
C – Lower Outside Diameter	4.413"			
H – Thread Coverage	1.250"			

#### PUSH-FIT COLLARED PLUG P/N RPI-2977 4" COLLARED PLUG -COUPLING



RPI-2977 Collared Plug protects inner threads and pipe face during paint-baking, electroplating, powder coating, chrome plating and shot blasting. The Push-Fit tab allows for quick removal.
 Made from high temperature paint-resistant silicone these tabbed plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use.



Dimensional Data				
A – Upper Outside Diameter	4.875″			
B – Upper Inside Diameter	3.875″			
C – Lower Outside Diameter	4.350"			
H – Thread Coverage	.715″			



Zip-Lock Thread Protectors protect inner threads application of Tube-Kote Internal Coatings. The Push-Fit tab allows for quick removal. Made from high temperature paint-resistant silicone plugs work in temperatures as high as 450F. Paint pops off with a twist of the plug allowing for repeated use. These plugs eliminate the need for taping and allows accuracy and repeatability in required paint coverage.

P/N	Lower Outside Diameter	Upper Inner Diameter	Thread Coverage
Zap Lock 4"	4.445"	3.875"	5.250"



## 6" & 8" UNDER DEVELOPMENT

#### **OPEN-END PIPE THREAD PROTECTORS** 2", 3" and 4"



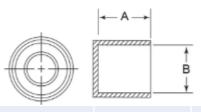




Open-End Pipe Thread Protectors help protect external threads during storage and shipping. These open-ended protectors can also be used to protect threads during painting (low heat). Made from Low Density Polyethylene (LDPE) resistant to temperatures from

-50 degrees C to +60 degrees C. UV Stabilized – One Piece Construction – Injection Molded – Internal Ribs provide tight fit.

> Global Resource Products Stock is Red – Other Colors available with Custom Quote Other Sizes Available with Custom Quote



Part	Description	Qty Per Box	Pieces Per Pallet	(A) Height	(B) Inside Diameter
2" Open End	2" OE	500	21000	1.245"	2.38"
3" Open End	3" OE	200	8000	1.690"	3.53"
4" Open End	4" OE	100	3375	1.815"	4.53"

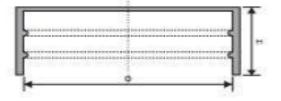
### **CLOSED-END PIPE THREAD PROTECTORS (Pipe End Plug)**



Closed-End Pipe Thread Protectors help protect external threads during storage and shipping. These closed end protectors protect from contamination from dust, debris and critters. Made from Low Density Polyethylene (LDPE)

Resistant to temperatures from -50 degrees C to +60 degrees C. UV Stabilized – One Piece Construction – Injection Molded – Internal Ribs provide tight fit and release pressure buildup

**Global Resource Stock Color Blue** 



Part	Description	Qty Per Box	Pieces Per Pallet	Inside Diameter	(H) Height
QMG-270-6	6" CE	250	1000	163.3mm (6.63")	60mm (2.36")
QMG-270-8	8" CE	190	760	219.1mm (8.63")	60mm (2.36")
QMG-270-10	10" CE	120	480	273mm (10.75")	60mm (2.36")
					()
QMG-270-12	12" CE	85	340	323.9mm (12.75")	60mm (2.36")

Free Sample Available on Request Call or email for quote 817-304-3378 grpi@hughes.net

**Available Options** 

Sizes 1/8" – 78" available with custom quote

Alternate Lip Sizes Available with custom quote



#### **FLANGE GASKET PROTECTORS** ANSI Stud Hole Fitting Flange Protectors Sizes 2", 3", 4", 6", 8", 10" (150#)





Flange Gasket Protectors (ANSI Stud Hole Fittings Flange Protectors) are suitable for ASA/ANSI/B51560 Flanges. Quick Fitting. Simply insert plugs into the bolt holes. Will not tear or crack. Weather and Petroleum Resistant. Made from Low Density Polyethylene (LDPE) resistant to temperatures from -50 degrees C to +60 degrees C. UV Stabilized – One Piece Construction – Injection Molded – Global Resource Products stock - Color Blue 150 lb. Standards: GB, GOST, DIN

Available Options with Custom Quote Other Sizes Available: 1/2" to 30" Other Pressure (Lbs) Available – 300#, 600#, 900#, 1500#, 2500#

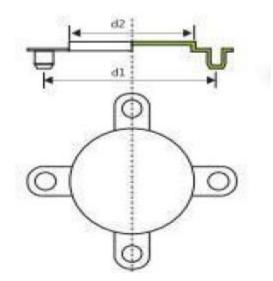


Alternate Colors Available with Custom Quote

Free Sample Available on Request Call or email for quote 817-304-3378 grpi@hughes.net

#### **FLANGE GASKET PROTECTORS** ANSI Stud Hole Fitting Flange Protectors





Part	Description	Qty Per Box	Pieces Per Pallet	D1	D2	Hole
QMG-570-2	2" Flange	3000	12000	120.7mm (4.75")	99mm (3.90")	19.1mm (.75")
QMG-570-3	3" Flange	2000	8000	152.4mm (6")	129mm (5.07")	19.1mm (.75")
QMG-570-4	4" Flange	1500	6000	190.5mm (7.5")	168mm (6.61")	19.1mm (.75")
QMG-570-6	6" Flange	900	3600	241.3mm (9.5")	220mm (8.66")	22.4mm (.88")
QMG-570-8	8" Flange	600	2400	298.5mm (11.75")	271mm (10.67")	22.4mm (.88")
QMG-570-10	10" Flange	400	1600	362mm (14.25")	325mm (12.80"	25.4mm (1.0")
QMG-570-12	12" Flange	200	800	431.8mm (17")	388mm (15.28")	25.4mm (1.0")

Free Sample Available on Request Call or email for quote 817-304-3378 grpi@hughes.net

#### OTHER MODELS PIPE-VALVE END PROTECTION



Part Number	Description	Found on Page
QMG-230	PE Gas Pipe Plugs	26
QMG-280	Pipe End Plug	26
QMG-290	Pipe End Plug	26
QMG-330	Z11 Threaded End Cover	27
QMG-350	Z61 Socket Weld End Cover	27
QMG-530	GB Stud Hole Fitting Flange Protectors	27
QMG-535	High-Face Stud Hole Fitting Flange Protectors	28
OMG-577	JIS Stud Hole Fitting Flange Protectors	28
QMG-580	Hollow Stud Hole Fitting Flange Protectors	29
QMG-610	ANSI Outside Fitting Flange Protectors	29
QMG-611	ANSI Outside Fitting Flange Protectors	29
QMG-620	DIN Outside Fitting Flange Protectors	30
QMG-622	DIN Outside Fitting Flange Protectors	30
QMG-630	Valve Flange Face Protection Plugs	30
QMG-635	Flange Pipeline Protection Plugs	31
QMG-660	Push-In Full-Face Flange Protectors	31
QMG-685	Inner Ribs Flange Protector	32
QMG-770	Recessed Pipe Caps for Pipe Ends	32



#### MODEL NUMBER

#### QMG 280 Pipe End Plug

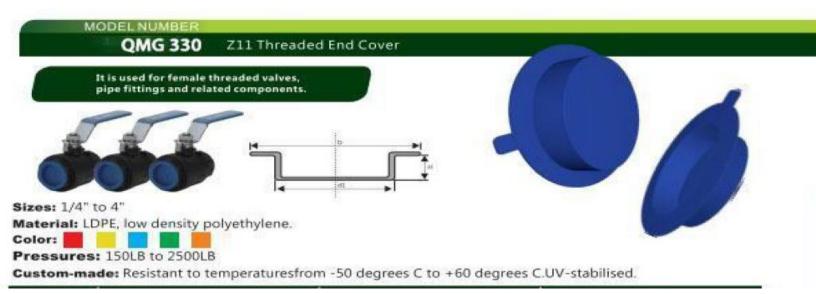
This unique finned design enables each plug to tight fit a large range of IDs of every Nominal Pipe Size up to 48 inch OD. Push-Fit design allows easy application of plug to pipes racked on the yard. Provides excellent protection from damage, dirt, moisture and corrosion during storage and transportation.

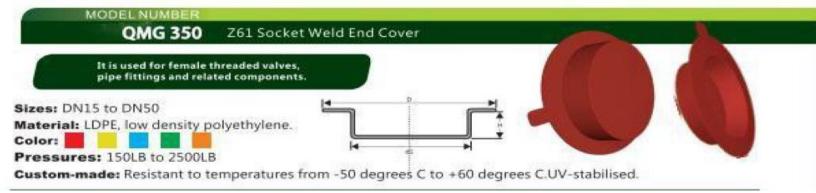


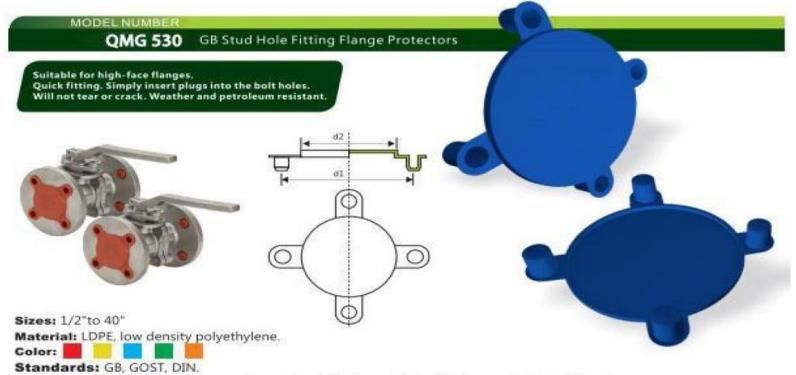
Sizes: Ф6mm to Ф1219mm Material: LDPE, low density polyethylene Color: Color:



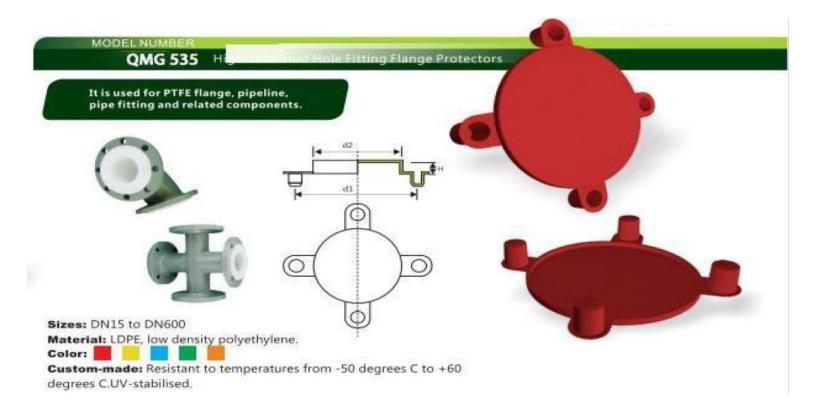








Custom-made: Resistant to temperatures from -50 degrees C to +60 degrees C.UV-stabilised.



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 AUDEL NUMBER

 QMG 377
 JS Stud Hole Fitting Flange Protectors

 Stutable for JJS flanges.
 It is the bolt holes.

 Will not tear or crack. Weather and petroleum resistant.
 It is in tear or crack. Weather and petroleum resistant.

 Image: Comparison of the bolt holes.
 Image: Comparison of teacher and petroleum resistant.

 Image: Comparison of the bolt holes.
 Image: Comparison of teacher and petroleum resistant.

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Custom-made: Resistant to temperatures from -50 degrees C to +60 degrees C.UV-stabilised.



Custom-made: Resistant to temperatures from -50 degrees C to +60 degrees C.UV-stabilised

 MODEL NUMBER

 QMG 620
 DIN Outside Fitting Flange Protectors

 Just simply push over the flange diameter,<br/>Protect the face as well as the sides from damage<br/>during storage, transit and laying.

 Image: transit and laying.

 Sizes: DN10 to DN1000

 Material: LDPE, low density polyethylene.

 Color:

Custom-made: Resistant to temperatures from -50 degrees C to +60 degrees C.UV-stabilised.





<section-header>

 WODEL NUMBER

 QMG 635
 Flange Pipeline Protection Plugs

 Provide tight fit, protect flange and pipeline from cleaning and sand blasting.

 Image: cleaning and sand blasting.</td

Color:

C to +60 degrees C.UV-stabilised.

Custom-made: Resistant to temperatures from -50 degrees

