

iglide® Q3E

What is iglide® Q3E? — A two material plain bearing with a tribologically optimized inner shell for low friction operation, and a high strength outer shell designed to handle extreme loads up to 26,107psi

Advantages

- Reduced wear rates
- Great for swelling loads
- High edge loads
- Extreme loads up to 26,107psi
- Shipping in as few as 48 hours
- Reduced costs due to injection molding manufacturing
- Lubrication-free, dry running
- Corrosion free
- Dirt resistant



Contact an expert ►



Q3E Product Range (mm)

igus® part #	ID	OD	L
Q3ESM-2024-20	20	24	20
Q3ESM-2025-20	20	25	20
Q3ESM-2025-30	20	25	30
Q3ESM-2030-30	20	30	30
Q3ESM-2530-30	25	30	30
Q3ESM-3035-30	30	35	30
Q3ESM-3035-40	30	35	40
Q3ESM-3036-40	30	36	40
Q3ESM-3040-40	30	40	40
Q3ESM-3540-40	35	40	40
Q3ESM-3540-60	35	40	60
Q3ESM-3541-40	35	41	40
Q3ESM-4045-40	40	45	40
Q3ESM-4045-60	40	45	40
Q3ESM-4048-40	40	48	40
Q3ESM-4050-30	40	50	30
Q3ESM-4050-40	40	50	40
Q3ESM-4050-50	40	50	50
Q3ESM-4550-50	45	50	50
Q3ESM-5055-50	50	55	50
Q3ESM-5058-60	50	58	60
Q3ESM-5060-50	50	60	50
Q3ESM-5060-60	50	60	60
Q3ESM-5563-70	55	63	70
Q3ESM-6065-50	60	65	50
Q3ESM-6065-60	60	65	60
Q3ESM-6070-40	60	70	40
Q3ESM-6070-80	60	70	80
Q3ESM-6570-50	65	70	50
Q3ESM-6575-80	65	75	80
Q3ESM-7080-50	70	80	50
Q3ESM-7585-90	75	85	90
Q3ESM-8090-100	80	90	100
Q3ESM-8595-100	85	95	100

**Cut to length options available via additional machining step



Q3E Product Range (Inch)

igus® part #	ID	OD	L
Q3ESI-1620-16	1	1 1/4	1
Q3ESI-2024-24	1 1/4	1 1/2	1 1/2
Q3ESI-2428-24	1 1/2	1 3/4	1 1/2
Q3ESI-2832-32	1 3/4	2	2
Q3ESI-3236-32	2	2 1/4	2

**Cut to length options available via additional machining step

**More sizes & geometries
coming soon!**

General Properties			Testing method
Density	g/cm ³	1.54-1.75	
Color sliding layer		black	
Color outer layer		black	
Max moisture absorption at +73°F/50% r.h.	% weight	1.5	DIN 53495
Max moisture absorption	% weight	5.0	
Coefficient of friction, dynamic, against steel	μ	0.22-0.42	
Mechanical Properties			
Max. permissible surface pressure (+73°F)	psi	26,107	
Physical and thermal properties			
Max. application temperature long-term	°F	212	
Max. application temperature short-term	°F	284	
Min. application temperature	°F	-22	
Electrical properties			
Specific contact resistance	Ωcm	> 10 ¹²	DIN IEC 93
Surface resistance	Ω	> 10 ¹²	DIN 53482

Common industries

- Construction machinery
- Agriculture
- Marine
- Oil & gas
- Highway & off-highway
- Aerial lifts & platforms
- Material handling
- Ports & cranes



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