
 TECHNICAL DATA SHEET

ABB cable glands – MSG-90 series

General purpose cable glands



Ideal for installations such as robot manufacturers, packaging equipment, machine tool building and other industrial OEM and MRO applications.

Certifications / Standards:


Features & Benefits:

- Large cable clamping range
- Full length bushing seal protects cable
- Elbow construction for compact installations

Applications:

- General purpose
- Machine building
- Maintenance and repair
- Suitable for cable types:
 - Non-armoured
 - Portable

Material:

- Steel/Zinc construction
- Neoprene sealing
- Nylon retaining ring

Environmental ratings:
Working Temperature:

- Normal use: -20 to +105C (-4 to +221F)

Ingress protection:

To ensure ingress protection, use suitable gasket and lock nut when required.

- Type 4x or 6 (With 5262 series sealing rings)
- Wet and Dry Locations

Fire

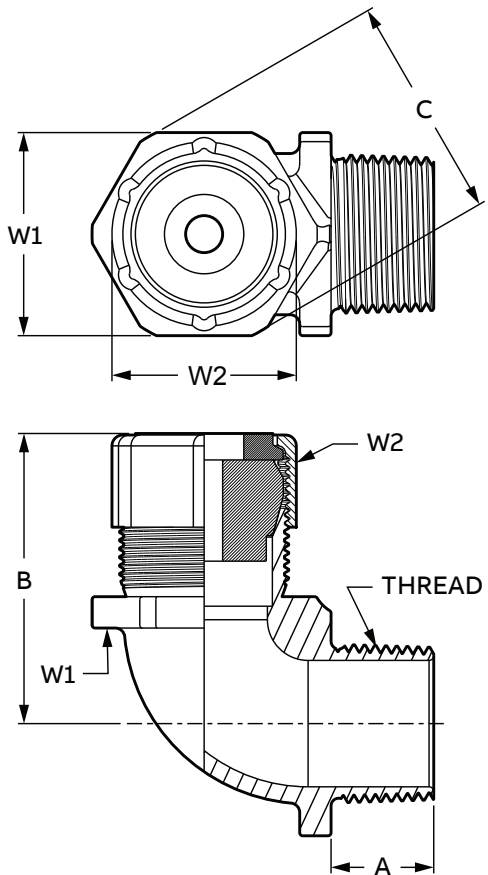
- NFPA 70 (ANSI)

Chemical resistance guide:

- See publication TDS000081

Conforms to:

- UL514B
- CSA C22.2-18.3
- ANSI C33.84
- NFPA 70 (ANSI)
- RoHS (Restriction of Hazardous Substances Directive) 2011/65/EU Incorporating 2015/863 amendment to Annex II

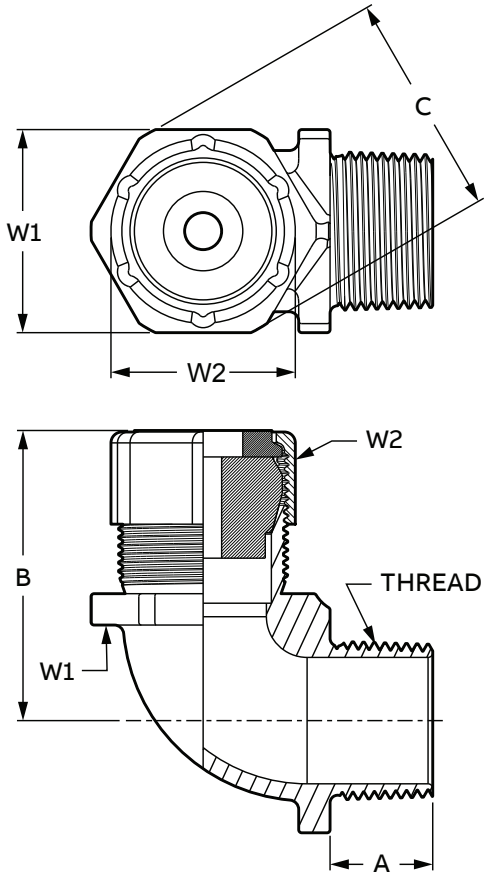


Product selection								
Part no:	Thread (NPT)	Cable range			Nominal dimensions			
		Min	Max	A	B	C	W1	W2
2267	1/2	3.18	6.35	17.07	43.66	33.22	26.19	26.19
		(0.125)	(0.250)	(0.672)	(1.719)	(1.308)	(1.031)	(1.031)
2268	1/2	6.35	9.53	17.07	43.66	33.22	26.19	26.19
		(0.250)	(0.375)	(0.672)	(1.719)	(1.308)	(1.031)	(1.031)
2269	1/2	9.53	12.70	17.07	43.66	33.22	26.19	26.19
		(0.375)	(0.500)	(0.672)	(1.719)	(1.308)	(1.031)	(1.031)
2270	1/2	11.43	14.22	17.07	43.66	33.22	26.19	26.19
		(0.450)	(0.560)	(0.672)	(1.719)	(1.308)	(1.031)	(1.031)
2250*	1/2	12.70	15.88	19.84	42.88	39.70	28.83	31.12
		(0.500)	(0.625)	(0.781)	(1.688)	(1.563)	(1.135)	(1.225)
2251 *	1/2	15.88	19.05	19.84	42.88	39.70	28.83	31.12
		(0.625)	(0.750)	(0.781)	(1.688)	(1.563)	(1.135)	(1.225)
2252	3/4	3.18	6.35	17.27	44.45	38.38	33.50	31.12
		(0.125)	(0.250)	(0.680)	(1.750)	(1.511)	(1.319)	(1.225)
2271	3/4	6.35	9.53	17.27	41.28	38.38	33.50	31.12
		(0.250)	(0.375)	(0.680)	(1.625)	(1.511)	(1.319)	(1.225)
2272	3/4	9.53	12.70	17.27	41.28	38.38	33.50	31.12
		(0.375)	(0.500)	(0.680)	(1.625)	(1.511)	(1.319)	(1.225)
2273	3/4	12.70	15.88	17.27	41.28	38.38	33.50	31.12
		(0.500)	(0.625)	(0.680)	(1.625)	(1.511)	(1.319)	(1.225)
2274 *	3/4	15.75	19.05	17.27	41.28	38.38	33.50	31.12
		(0.620)	(0.750)	(0.680)	(1.625)	(1.511)	(1.319)	(1.225)
2253 *	3/4	19.05	22.35	15.09	50.01	37.97	34.93	37.97
		(0.750)	(0.880)	(0.594)	(1.969)	(1.495)	(1.375)	(1.495)
2254	1	9.53	12.70	19.84	50.80	39.70	34.34	31.12
		(0.375)	(0.500)	(0.781)	(2.000)	(1.563)	(1.352)	(1.225)
2255	1	12.70	15.88	19.84	50.80	39.70	34.34	31.12
		(0.500)	(0.625)	(0.781)	(2.000)	(1.563)	(1.352)	(1.225)
2256 *	1	15.88	19.05	19.84	50.80	39.70	34.34	31.12
		(0.625)	(0.750)	(0.781)	(2.000)	(1.563)	(1.352)	(1.225)
2275	1	19.05	22.23	20.65	50.80	39.70	39.70	37.97
		(0.750)	(0.875)	(0.813)	(2.000)	(1.563)	(1.563)	(1.495)
2276	1	22.23	25.02	20.65	50.80	39.70	39.70	37.97
		(0.875)	(0.985)	(0.813)	(2.000)	(1.563)	(1.563)	(1.495)
2257 *	1	22.35	27.05	19.84	67.46	48.46	34.37	48.46
		(0.880)	(1.065)	(0.781)	(2.656)	(1.908)	(1.353)	(1.908)
2258 *	1	27.05	30.61	19.84	67.46	48.46	34.37	48.46
		(1.065)	(1.205)	(0.781)	(2.656)	(1.908)	(1.353)	(1.908)
2277	1-1/4	22.35	27.05	19.84	53.04	48.46	34.37	48.46
		(0.880)	(1.065)	(0.781)	(2.088)	(1.908)	(1.353)	(1.908)
2278	1-1/4	27.05	30.61	19.84	53.04	48.46	34.37	48.46
		(1.065)	(1.205)	(0.781)	(2.088)	(1.908)	(1.353)	(1.908)
2279 *	1-1/4	30.15	34.93	20.65	71.45	50.80	50.80	48.46
		(1.187)	(1.375)	(0.813)	(2.813)	(2.000)	(2.000)	(1.908)
2280 *	1-1/4	34.93	37.72	20.65	71.45	54.58	50.80	54.58
		(1.375)	(1.485)	(0.813)	(2.813)	(2.149)	(2.000)	(2.149)

* Remove sufficient outer jacket of the cable joint to permit conductors to pass through fitting body. Fittings used in a trade size knockout requiring a Type 4x or 6 listing require a 5262 series sealing ring. Dimensions for reference only.

Bold numbers are metric, parenthesis numbers are inches.

Note: Product must be installed in accordance with applicable national and local electrical codes.



Product selection

Part no:	Thread (NPT)	Cable range		Nominal dimensions				
		Min	Max	A	B	C	W1	W2
2281	1-1/2	20.62	25.40	20.65	73.03	54.58	53.98	54.58
		(0.812)	(1.000)	(0.813)	(2.875)	(2.149)	(2.125)	(2.149)
2282	1-1/2	25.40	30.15	20.65	73.03	54.58	53.98	54.58
		(1.000)	(1.187)	(0.813)	(2.875)	(2.149)	(2.125)	(2.149)
2283 *	1-1/2	30.15	34.93	20.65	73.03	54.58	53.98	54.58
		(1.187)	(1.375)	(0.813)	(2.875)	(2.149)	(2.125)	(2.149)
2284	2	28.58	34.93	21.44	82.55	69.85	60.50	66.01
		(1.125)	(1.375)	(0.844)	(3.250)	(2.750)	(2.382)	(2.599)
2285	2	34.93	41.28	21.44	82.55	69.85	60.50	66.01
		(1.375)	(1.625)	(0.844)	(3.250)	(2.750)	(2.382)	(2.599)
2286	2	41.28	47.63	21.44	82.55	69.85	60.50	66.01
		(1.625)	(1.875)	(0.844)	(3.250)	(2.750)	(2.382)	(2.599)

* Remove sufficient outer jacket of the cable joint to permit conductors to pass through fitting body
 Fittings used in a trade size knockout requiring a Type 4x or 6 listing require a 5262 series sealing ring.
 Dimensions for reference only.
 Bold numbers are metric, parenthesis numbers are inches.
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