



COMPANY Profile

Braco India

Pioneering Electrical Excellence with Cable Glands, Lugs, Terminals, and Earthing & Lightning Protection Systems

In **1977**, under the visionary leadership of **Shri Ramesh Sobhani**, **Braco India** embarked on a journey dedicated to manufacturing high-quality cable glands for the Indian electrical market. As we garnered trust and recognition, our commitment to precision and excellence only deepened.

Our foundational years saw **Elecon Engineering Company Limited** as our first patron, instilling confidence in the quality of our cable glands. Today, we proudly stand as a renowned name in cable gland manufacturing, adhering to international standards and offering a diverse range, including single compression type, double compression type, flameproof, flange type, and more.

However, it was in the transformative 1990s that **Braco India** witnessed a pivotal moment. Recognizing the evolving needs of the industry, we strategically expanded our expertise to include the manufacturing of cable lugs and terminals. This significant decision marked our way forward, propelling us towards sustained growth and comprehensive solutions for electrical installations.

Simultaneously, as we commenced the production of cable lugs and terminals, we embraced the global stage. Venturing into exports, **Braco India** made its mark on the international arena, ensuring our products reached clients worldwide.

Building upon our commitment to innovation, 2004 marked another milestone in **Braco's** journey. Introducing Earthing and Lightning Protection Systems to our repertoire, we responded to the increasing demand for comprehensive solutions in electrical safety. This expansion reflected our dedication to staying at the forefront of technological advancements.

Under meticulous management supervision, our Cable Lugs, Terminals, and Earthing & Lightning Protection Systems are designed and crafted with stringent quality standards, ensuring reliability and efficiency in diverse applications.

Whether catering to the domestic market or serving clients globally, **Braco's** goodwill is synonymous with quality products that not only maximize efficiency but also minimize wastage. As we continue to safeguard electrical systems, our commitment to precision and excellence remains unwavering.

Braco India stands as a reliable partner, offering secure and dependable solutions for electrical installations worldwide.





Our **VISION** Statement

At Braco Electricals India Private Limited, we aspire to continue our legacy of electrical excellence, igniting both the Indian market and global exports. With a steadfast commitment to precision and quality, we've led the way in pioneering premium cable glands, lugs, terminals, and Earthing & Lightning Protection Systems.

Driven by an unwavering pursuit of innovation, we've expanded our range to surpass international standards, serving clients worldwide. We aim to be a trusted leader, setting benchmarks through our dedication to precision, reliability, and innovation.

Our vision transcends mere product excellence: we are dedicated to pioneering advancements in technology and automation, ensuring that our solutions consistently lead the industry. Moreover, we are deeply committed to fostering a culture of continuous learning and empowerment among all those connected with us.

Our **MISSION** Statement

“Rooted in humility, our mission is to honor the enduring legacy of our founder, Ramesh Sobhani, while consistently delivering satisfaction to our customers in both the Indian market and global markets. ”

We stand strong on our **4 MAJOR VALUES**



Quality Aligned with Affordability

We take pride in delivering solutions that focuses on excellence while maintaining budget-friendly options.



Customer Centricity Products

We provide high customer satisfaction by offering a diverse range of products that align with their requirements, making us a trusted partner in electrical solutions.



Being In Sync with Technology

We stay in sync with cutting-edge technology to position ourself as reliable, efficient, and in tune with the evolving needs of the industry.



Gaining Mastery in the field

Our dedicated team of experts brings extensive knowledge and experience, ensuring that each product reflects a level of expertise that meets industry standards



Braco's pledge to Deliver Quality Solutions

In any electrical setup, the quality of cable glands is crucial. We create top-notch cable glands customized to meet our clients' needs. Before releasing them to the market, our team checks their quality thoroughly to maintain high standards..

Braco provides excellent products at affordable prices and offers unmatched service. We not only aim to make exceptional products but also ensure timely delivery, helping our clients complete their projects on schedule.

Braco's pioneering Foundation for Success

At **Braco**, Pioneering Manifests as:

- Leadership in the Market
- Global Acknowledgment
- Sustained Business Growth
- Satisfied Customers
- Expertised Braco Team
- Strategic Knowledge Utilization
- Generation of Wealth

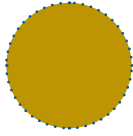
At **Braco**, we're ready to face challenges in a business world that keeps changing with technology. Our skilled experts ensure we keep up with progress, major opportunities as they come.

It is important to note that Braco Electricals reserves the right to modify or alter any product featured in the catalog at any given point.



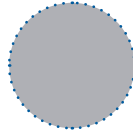
EXPLORE OUR DEPENDABILITY

Our products, made from materials like brass, aluminum, and copper, are used in different industries. Let's start with a quick look at the materials we use to create our high-quality products.



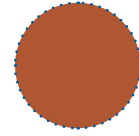
BRASS

Brass is a mix of **60% Copper** and **40% Zinc**, known for being great for shaping in cold conditions.



ALUMINUM

Aluminum is light but strong, and it conducts about **60%** as much as **Copper**. These qualities make it easy to use and a top choice in how we make things.



COPPER

Copper has excellent ability to let electricity pass through and it doesn't easily get damaged by rust. It can also be easily shaped and joined together

APPLICATIONS

Braco products find versatile applications in:



- **Control Panels, Switchgears, Transformers, and Circuit Breakers**
- **Electricity Power Generation and Distribution Industries**
- **Electronic Industries**
- **Railways**
- **Steel and Fertilizers Industries**
- **Cement and Textile Industries**
- **Mining Industries**
- **Sugar Industries**
- **Defense Industries**
- **Shipping Industries**
- **Aeronautic Industries**
- **Satellite and Communication Industries**
- **Automobile Industries**
- **Chemical Projects**
- **Domestic Applications**



CERTIFICATION & APPROVALS



UTILITY APPROVALS



ABB

ACC

adani
Electricity


ADITYA BIRLA GROUP



बी एच ई एल
BHEL


**Ambuja
Cement**


Bhilosa
Industries Private Limited

Dalmia
Bharat Group


ESCORTS

गेल

GAIL

GUJARAT STATE FERTILIZERS & CHEMICALS LIMITED



BGR
ENERGY


AARTI
INDUSTRIES®


SONA BLW

एन एम डी सी

NMDC


ION EXCHANGE
Refreshing the Planet


Rungta Mines Ltd.


**CHAMBAL FERTILISERS
AND CHEMICALS LIMITED**



UTILITY APPROVALS



VOLTAS



SIEMENS



UTILITY APPROVALS



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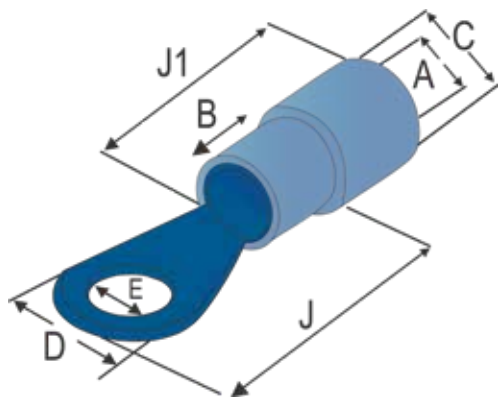


COPPER TERMINALS

COPPER CRIMPING RING TERMINALS

Non-Insulated and Insulated

Crafted for environments with continuous mechanical vibrations, Braco Copper Crimping Ring Terminals excel in engines, railways, and moving components. With a versatile design allowing crimping in any direction, and precise tin plating for corrosion resistance, these terminals offer reliable performance. Optional PVC sleeves provide electrical shock protection.



Colour Coding Insulated Terminals

■ 1.5 ■ 2.5 ■ 4-6

Material: Copper BS: 1977

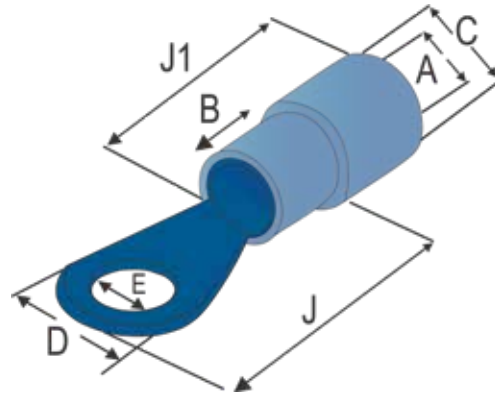
Finish: Electro Tinned

Size Sq.mm	Dimensions						BRACO CAT NO.	J-1	BRACO CAT NO.	A-1	J-1	BRACO CAT NO.
	E	A	C	D	B	J						
0.5 - 0.75	4.2	1.4	2.6	8	5	16	R-0	8	RI-0	3.6	10	RD-0
1 - 1.5	3.2	1.6	3.2	6	5	14	R-001	10	RI-054	3.6	10	RD-437
	3.7	1.6	3.2	6	5	14	R-002	10	RI-055	3.6	10	RD-438
	4.2	1.6	3.2	6	5	14	R-003	10	RI-056	3.6	10	RD-439
	3.7	1.6	3.2	6.8	5	13	R-048	10	RI-058	3.6	10	RD-441
	4.2	1.6	3.2	6.8	5	13	R-049	10	RI-059	3.6	10	RD-442
	4.2	1.6	3.2	8	5	16	R-004	10	RI-061	3.6	10	RD-444
	5.2	1.6	3.2	8	5	16	R-005	10	RI-062	3.6	10	RD-445
	4.2	1.6	3.2	7	5	14.5	R-154	10	RI-063	3.6	10	RD-446
	5.2	1.6	3.2	10	5	18	R-006	10	RI-065	3.6	10	RD-448
	6.4	1.6	3.2	10	5	18	R-007	10	RI-066	3.6	10	RD-449
	6.4	1.6	3.2	12	5	18	R-106	10	RI-067	3.6	10	RD-450

R - Non-Insulated | RI - Insulated | RD - Double Grip

COPPER CRIMPING RING TERMINALS

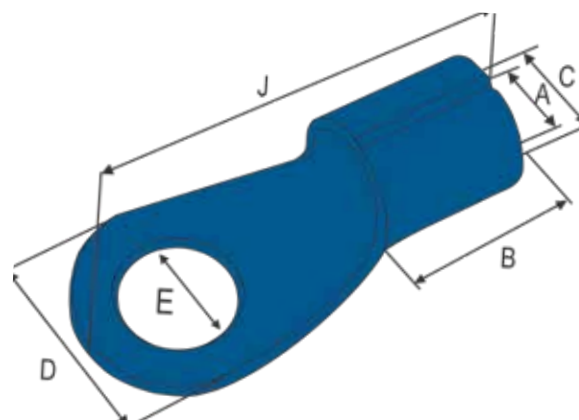
(Non - Insulated And Insulated)



Size Sq.mm	Dimensions						BRACO CAT NO.	J-1	BRACO CAT NO.	A-1	J-1	BRACO CAT NO.
	E	A	C	D	B	J						
2.5	3.2	2.3	3.9	6.5	5	12.7	R-107	10	RI-068	4.4	10	RD-451
	3.7	2.3	3.9	6.5	5	12.7	R-008	10	RI-069	4.4	10	RD-452
	4.2	2.3	3.9	8	5	16	R-009	10	RI-071	4.4	10	RD-454
	5.2	2.3	3.9	8	5	16	R-010	10	RI-072	4.4	10	RD-455
	5.2	2.3	3.9	10	5	18	R-109	10	RI-073	4.4	10	RD-456
	6.4	2.3	3.9	10	5	18	R-011	10	RI-074	4.4	10	RD-457
	6.4	2.3	3.9	12	5	22	R-012	10	RI-076	4.4	10	RD-459
	8.2	2.3	3.9	12	5	22	R-013	10	RI-077	4.4	10	RD-460
	6.4	2.3	3.9	16	5	25	R-111	10	RI-078	4.4	10	RD-461
	8.2	2.3	3.9	16	5	25	R-014	10	RI-079	4.4	10	RD-462
	10.2	2.3	3.9	16	5	25	R-015	10	RI-080	4.4	10	RD-463
	10.2	2.3	3.9	18	5	29	R-151	10	RI-081	4.4	10	RD-464
4-6	12.7	2.3	3.9	18	5	29	R-047	10	RI-082	4.4	10	RD-465
	4.2	3.5	5.5	8	6	17	R-155	14	RI-083	6.4	15	RD-466
	5.2	3.5	5.5	8	6	17	R-050	14	RI-084	6.4	15	RD-467
	5.2	3.5	5.5	10	6	19	R-016	14	RI-086	6.4	15	RD-469
	5.2	3.5	5.5	8	6	22	R-157	14	RI-087	6.4	15	RD-470
	6.4	3.5	5.5	12	6	20	R-017	14	RI-089	6.4	15	RD-472
	8.2	3.5	5.5	12	6	20	R-018	14	RI-090	6.4	15	RD-473
	6.4	3.5	5.5	12	6	22	R-019	14	RI-092	6.4	15	RD-475
	6.4	3.5	5.5	14	6	25.5	R-115	14	RI-093	6.4	15	RD-476
	8.2	3.5	5.5	14	6	25.5	R-020	14	RI-094	6.4	15	RD-477
	9.7	3.5	5.5	14	6	25.5	R-021	14	RI-095	6.4	15	RD-478
	8.2	3.5	5.5	16	6	30	R-116	14	RI-096	6.4	15	RD-479
10	10.2	3.5	5.5	16	6	30	R-022	14	RI-097	6.4	15	RD-480
	10.2	3.5	5.5	18	6	30	R-023	14	RI-099	6.4	15	RD-482
	12.7	3.5	5.5	18	6	30	R-024	14	RI-100	6.4	15	RD-483
	4.2	4.3	6.3	10	8	22	R-118	16	RI-389	6.8	17	RD-484
	8.2	4.3	6.3	18	8	22	R-025	16	RI-395	6.8	17	RD-485

COPPER CRIMPING RING TERMINALS (Non - Insulated)

Braco Copper Crimping Ring Terminals are designed to offer maximum efficiency under heavy-duty applications that are subject to continuous Mechanical Vibration ie Engines, Railways, Moving Components etc.



Features	Advantages
Tin Plated	To avoid oxidization and achieve Maximum corrosion protection
Brazed Barrel & Soft Annealed	To give crimping option on either side

Material: Copper BS: 1977
Finish: Electro Tinned

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
10	5.2	4.3	6.3	10	8	20	R-026
	6.4	4.3	6.3	12	8	23	R-120
	8.2	4.3	6.3	16	8	27	R-121
	8.2	4.3	6.3	18	8	30	R-122
	10.2	4.3	6.3	18	8	30	R-027
	10.2	4.3	6.3	22	8	34	R-123
	12.7	4.3	6.3	22	8	34	R-028
16	6.4	5.6	8	12	10	26	R-029
	8.2	5.6	8	16	10	30	R-030
	8.2	5.6	8	18	10	33	R-127
	10.2	5.6	8	18	10	33	R-032
	10.2	5.6	8	22	10	35	R-128
	12.7	5.6	8	22	10	35	R-033
	6.4	7.5	11.1	12	11	31	R-156
25	8.2	7.5	11.1	12	11	31	R-051
	8.2	7.5	11.1	16	11	30	R-034
	10.2	7.5	11.1	16	11	30	R-035
	8.2	7.5	11.1	18	11	34	R-036
	10.2	7.5	11.1	18	11	34	R-131
	10.2	7.5	11.1	22	11	42	R-132
	12.7	7.5	11.1	22	11	42	R-037

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
35	6.4	9	12.6	16	12	31	R-133
	8.2	9	12.6	16	12	31	R-038
	8.2	9	12.6	18	12	36	R-134
	10.2	9	12.6	18	12	36	R-039
	10.2	9	12.6	22	12	42	R-135
	12.7	9	12.6	22	12	42	R-040
	8.2	10.5	14.1	18	16	43	R-136
50	10.2	10.5	14.1	18	16	43	R-041
	10.2	10.5	14.1	22	16	43	R-137
	10.2	10.5	14.1	24	16	48	R-138
	12.7	10.5	14.1	24	16	48	R-042
	16.2	10.5	14.1	32	16	54	R-139
	10.2	12	16	22	18	47	R-140
	12.7	12	16	22	18	47	R-043
70	12.7	12	16	24	18	48	R-141
	16.2	12	16	28	20	54	R-142
	10.2	13.5	18.1	22	20	46	R-143
	10.2	13.5	18.1	24	20	50	R-144
	12.7	13.5	18.1	24	20	50	R-044
	16.2	13.5	18.1	28	20	58	R-145
	12.7	15	20.2	26	22	52	R-146
120	16.2	15	20.2	32	22	64	R-147
	20.3	15	20.2	40	22	72	R-148
	12.7	16.5	23.7	34	24	66	R-149
	16.2	16.5	23.7	34	24	66	R-045
	16.2	16.5	23.7	40	24	74	R-150
	20.3	16.5	23.7	40	24	74	R-046

COPPER RING TONGUE FORK TERMINALS

Braco Ring Tongue Fork Terminals:

Crafted for maximum efficiency in Braco Ring Tongue Fork Terminals shine in environments with continuous mechanical vibrations. Ideal for engines, railways, and moving components, these terminals boast a versatile design, allowing crimping in either direction, thanks to the meticulously brazed and soft annealed terminal barrel.

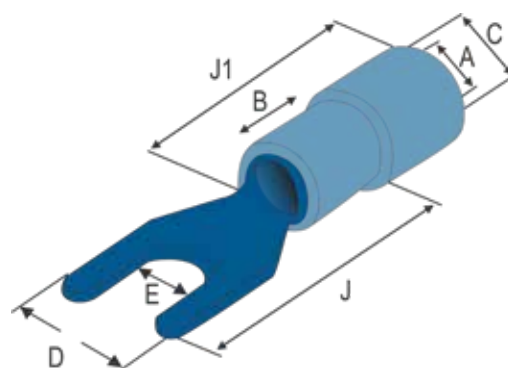
To ensure longevity and corrosion protection, all terminals undergo precise tin plating, guarding against oxidization. Additional options include PVC sleeves for electrical shock protection and metal-reinforced sleeves, securing a proper grip on conductor insulation.

Braco Ring Tongue Fork Terminals define excellence in offering reliable performance and quality craftsmanship



Colour Coding Insulated Terminals

■ 1.5 ■ 2.5 ■ 4-6



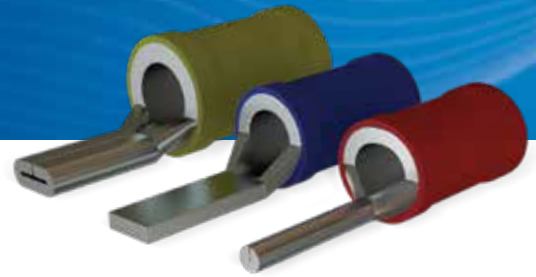
Material Copper BS: 1977 Finish: Electro Tinned

Size Sq.mm	Dimensions						BRACO CAT NO.	Dim. J-1	BRACO CAT NO.	Dimensions		BRACO CAT NO.
	E	A	C	D	B	J				A-1	J-1	
1.5	3.1	1.6	3.2	6	5	14	RF-235	10	RFI-873	3.6	10	RFD-899
	3.6	1.6	3.2	6	5	14	RF-240	10	RFI-874	3.6	10	RFD-900
	3.1	1.6	3.2	6.8	5	13	RF-241	10	RFI-875	3.6	10	RFD-901
	3.6	1.6	3.2	6.8	5	13	RF-244	10	RFI-876	3.6	10	RFD-902
	4.1	1.6	3.2	7	5	14	RF-237	10	RFI-877	3.6	10	RFD-903
	4.1	1.6	3.2	8	5	16	RF-236	10	RFI-878	3.6	10	RFD-904
	5.1	1.6	3.2	10	5	18	RF-238	10	RFI-879	3.6	10	RFD-905
	6.1	1.6	3.2	10	5	18	RF-861	10	RFI-880	3.6	10	RFD-906
2.5	3.1	2.3	3.9	6.5	5	12.7	RF-862	10	RFI-881	4.4	10	RFD-907
	3.6	2.3	3.9	6.5	5	12.7	RF-863	10	RFI-882	4.4	10	RFD-908
	4.1	2.3	3.9	8	5	16	RF-239	10	RFI-883	4.4	10	RFD-909
	5.1	2.3	3.9	10	5	18	RF-242	10	RFI-884	4.4	10	RFD-910
	6.1	2.3	3.9	10	5	18	RF-864	10	RFI-885	4.4	10	RFD-911
4-6	4.1	3.5	5.5	8	6	17	RF-243	14	RFI-886	6.4	15	RFD-912
	4.1	3.5	5.5	10	6	19	RF-245	14	RFI-887	6.4	15	RFD-913
	5.1	3.5	5.5	10	6	19	RF-246	14	RFI-888	6.4	15	RFD-914
	5.1	3.5	5.5	12	6	22	RF-247	14	RFI-889	6.4	15	RFD-915
	6.1	3.5	5.5	12	6	22	RF-248	14	RFI-890	6.4	15	RFD-916
10	4.1	4.3	6.3	10	8	22	RF-865	16	RFI-891	6.8	17	RFD-917
	5.1	4.3	6.3	10	8	22	RF-866	16	RFI-892	6.8	17	RFD-918
	6.1	4.3	6.3	12	8	23	RF-867	16	RFI-893	6.8	17	RFD-919
	8.1	4.3	6.3	16	8	27	RF-868	16	RFI-894	6.8	17	RFD-920
16	5.1	5.6	8	10	10	24	RF-869	---	---	---	---	---
	6.1	5.6	8	12	10	26	RF-870	---	---	---	---	---
	8.1	5.6	8	16	10	30	RF-871	---	---	---	---	---
	8.1	5.6	8	18	10	33	RF-872	---	---	---	---	---

RF-Non insulated | RFI- Insulated | RFD-Double Grip

COPPER CRIMPING PIN TERMINALS

(Non - Insulated and Insulated)



Braco Pin Terminals: Unrivalled Performance in Heavy-Duty Environments

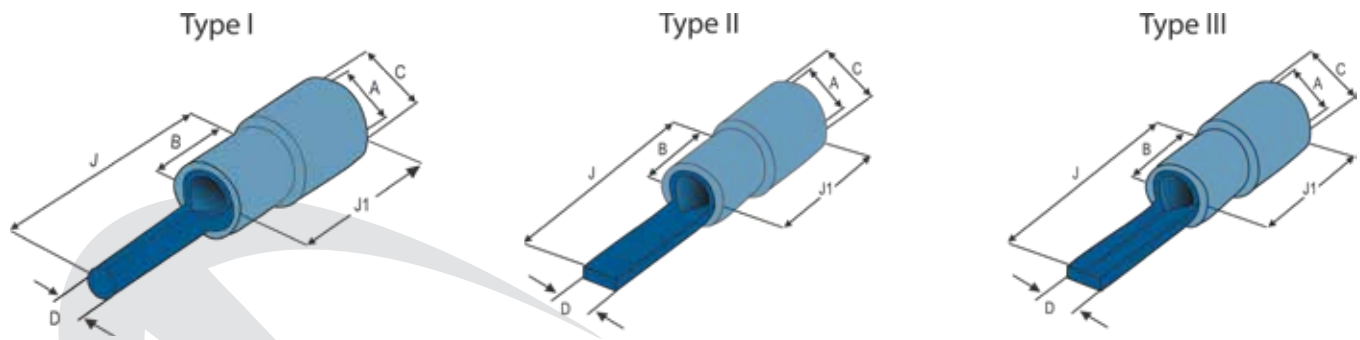
Crafted for maximum efficiency in heavy-duty applications, Braco Pin Terminals are the go-to choice for environments exposed to continuous mechanical vibrations, including engines, railways, and moving components. The terminal barrel, meticulously brazed and soft annealed, allows for crimping in either direction, ensuring optimal adaptability.

To ward off oxidization and ensure maximum corrosion protection, all terminals undergo meticulous tin plating. For enhanced safety, these terminals can be customized with PVC sleeves, providing protection against electrical shocks. Additionally, the option for metal-reinforced sleeves ensures a secure grip on conductor insulation.

Braco Pin Terminals stand as a testament to excellence, delivering unparalleled performance, reliability, and adaptability in challenging applications.

Colour Coding Insulated Terminals:

■ 1.5 ■ 2.5 ■ 4-6



Material: Copper BS: 1977
Finish: Electro Tinned

Size Sq.mm	Dimensions					TYPE	BRACO CAT NO.	J-1	BRACO CAT NO.			
	A	C	D	B	J					A-1	J-1	BRACO CAT NO.
0.5 - 0.75	1.4	2.6	1.6	5	17	I	P-0	10	PI-0	3.6	10	PD-25
1 - 1.5	1.6	3.2	1.9	5	17	I	P-9	10	PI-17	3.6	10	PD-26
	1.6	3.2	3.1	5	17	II	P-35	10	PI-40	3.6	10	PD-42
2.5	2.3	3.9	1.9	5	17	I	P-1	10	PI-18	4.4	10	PD-27
	2.3	3.9	3.1	5	17	II	P-2	10	PI-19	4.4	10	PD-28
4	2.9	4.9	2.7	6	20	I	P-3	14	PI-20	6.4	15	PD-29
	3.6	5.6	5.1	6	20	II	P-4	14	PI-21	6.4	15	PD-30
6	3.6	5.6	2.7	6	20	I	P-5	14	PI-22	6.4	15	PD-31
	4	6	2.7	6	20	II	P-6	14	PI-23	6.4	15	PD-32
10	4.5	6.7	4.3	8	22	III	P-7	16	PI-24	--	--	--
16	5.8	8.2	5.5	10	26	III	P-8	20	PI-25	--	--	--
25	7.5	11.1	7	11	31	III	P-86	--	--	--	--	--
35	9	12.6	8	12	37	III	P-87	--	--	--	--	--
50	10.5	14.1	9	16	42	III	P-88	--	--	--	--	--
70	12	16	10	18	45	III	P-94	--	--	--	--	--
95	13.8	18.7	11	21	52	III	P-95	--	--	--	--	--

P - Non-Insulated | PI - Insulated | PD - Double Grip

COPPER CRIMPING FORK TERMINALS

(Non - Insulated and Insulated)

Braco Fork Terminals:

Engineered for maximum efficiency in heavy-duty applications, Braco Fork Terminals shine in environments exposed to continuous mechanical vibrations, such as engines, railways, and moving components. The terminal barrel, meticulously brazed and soft annealed, allows for crimping in either direction, ensuring versatility in application.

Made from high-quality EC grade copper, these terminals exemplify durability and performance.

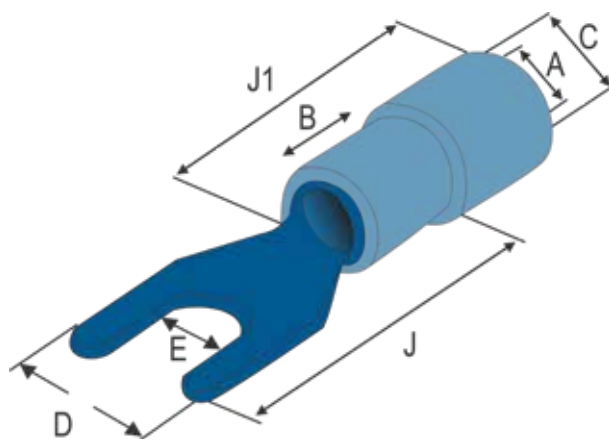
To combat oxidization and ensure maximum corrosion protection, all terminals undergo meticulous tin plating. For added safety, these terminals can be tailored with PVC sleeves, offering protection against electrical shocks. Moreover, the option for metal-reinforced sleeves ensures a secure grip on conductor insulation.

Braco Fork Terminals stand as a symbol of excellence, delivering unmatched performance, reliability, and adaptability in challenging applications.



Colour Coding Insulated Terminals:

■ 1.5 ■ 2.5 ■ 4-6



Material: Copper BS: 1977
Finish: Electro Tinned

Size Sq.mm	Dimensions						BRACO CAT NO.	J-1	BRACO CAT NO.			BRACO CAT NO.
	E	A	C	D	B	J				A-1	J-1	
0.5 - 0.75	3.5	1.4	2.6	6.6	5	14	F-0	10	FI0	3.6	10	FD-0
1 - 1.5	5.1	1.6	3.2	8	5	21	F-214	10	FI-925	3.6	10	FD-934
	4.1	1.6	3.2	7.5	5	17.5	F-266	10	FI-266	3.6	10	FD-266
	3.5	1.6	3.2	6.8	4	13	F-249	10	FI-926	3.6	10	FD-935
	3	2	2.8	6.2	5	13	F-250	10	FI-927	3.6	10	FD-936
2.5	3.5	2.3	3.9	6.5	5	15	F-251	10	FI-928	4.4	10	FD-937
	4.1	2.3	3.9	7.5	5	18	F-259	10	FI-259	4.4	10	FD-259
	5	2.6	4.6	10.6	6.2	21	F-280	10	FI-929	5.1	10	FD-938
4-6	3.1	3.5	5.5	6	6	15	F-252	14	FI-930	6.4	15	FD-939
	3.5	3.5	5.5	6	6	15	F-253	14	FI-931	6.4	15	FD-940
10	6.5	4.5	6.9	16	8	27	F-254	16	FI-932	7.4	17	FD-941
	8.2	4.5	6.9	16	8	27	F-255	16	FI-933	7.4	17	FD-942

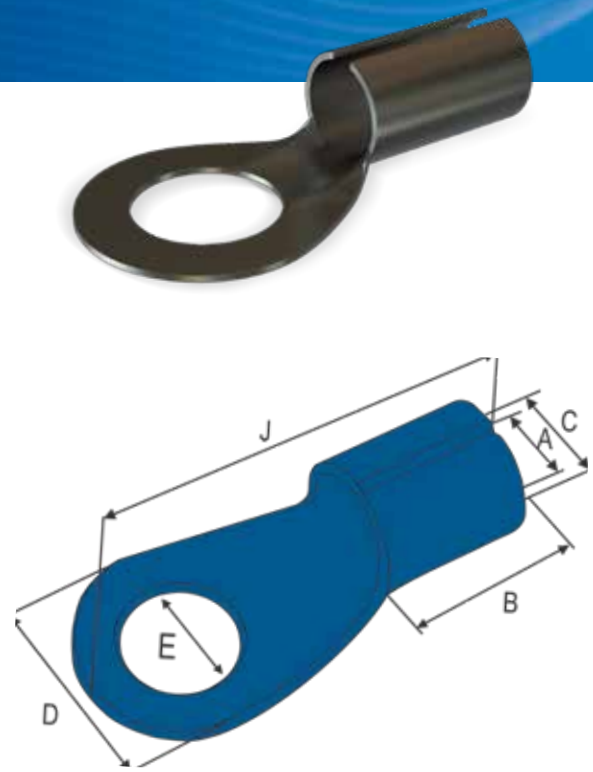
F - Non-Insulated | FI - Insulated | FD - Double Grip

OPEN CLOSE SOLDERING TYPE COPPER RING TERMINALS

Braco Open Close Terminals: Uncompromised Quality in EC Grade Copper Crafted from high-quality EC grade copper, Braco Open Close Terminals reflect our unwavering commitment to excellence. These terminals are meticulously designed to ensure seamless conductor entry, fostering reliable contact and heightened tensile strength.

To enhance durability, each terminal undergoes precise annealing, while tin plating serves as a protective shield, preventing oxidization and maximizing corrosion resistance.

Aligned with our dedication to superior craftsmanship, Braco Open Close Terminals embody reliability and robustness in electrical connections. Explore the unparalleled quality of Braco products.



Material Copper BS: 1977
Finish: Electro Tinned

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
1.5	4.2	1.6	3.2	7	5	15	OC-71
2.5	5.2	2.3	3.9	9	6	18	OC-72
4	5.2	2.8	4.8	9	6	20	OC-73
6	6.5	3.6	5.6	12	7	24	OC-74
10	6.5	4.4	6.4	12	9	27	OC-75
16	8.2	5.4	7.8	15	11	32	OC-76
25	8.2	7	10.2	15	14	36	OC-77
35	8.2	8	11.2	18	15	41	OC-78
50	10.2	9.5	13.1	24	18	50	OC-79
70	10.2	11.8	15.8	28	23	58	OC-80
95	12.7	13.5	18.7	32	25	66	OC-81
120	12.7	15.5	21.1	34	29	73	OC-82
150	12.7	16.5	22.9	38	30	79	OC-83
185	16.2	18.5	25.7	42	35	87	OC-84
240	16.2	22.5	30.5	48	42	100	OC-86
300	20.3	25	34	54	45	110	OC-87
400	20.3	29.5	39.5	62	54	125	OC-88
500	20.3	32	42.8	62	58	137	OC-89
625	20.3	36	46.8	70	65	148	OC-90

COPPER CRIMPING END SEALING FERRULES

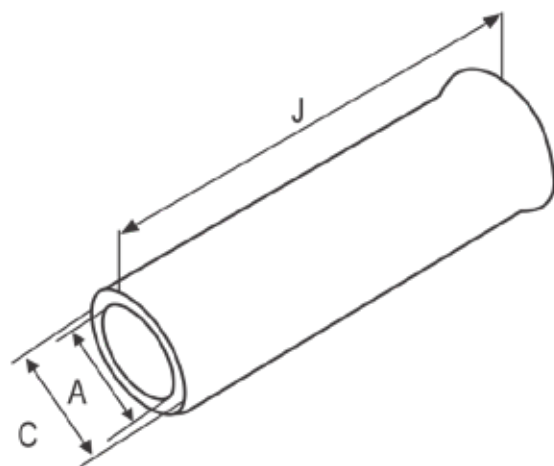
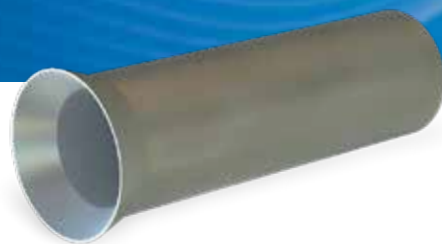
Braco End Sealing Ferrules: Ensuring Perfect Cable Connections

Precision-crafted from electrolytic copper, Braco End Sealing Ferrules are the solution when a flawless connection is crucial at the end of a cable. Especially for cables with small diameters, these ferrules play a vital role in improving electrical conductivity, preventing strands deviation, and reducing the risk of cable breakage.

These ferrules offer more than just a connection; they provide long-lasting contact pressure and a generous contact surface for enhanced reliability.

To ensure a superior finish and to combat oxidization, all ferrules undergo meticulous tinning. This not only enhances the appearance but also achieves maximum corrosion protection.

Braco End Sealing Ferrules: a reliable and enduring solution for optimal cable connections, mitigating the risks associated with cable breakage.



Material Copper BS: 1977 Finish: Electro Tinned

Size Sq.mm	Dimensions			BRACO CAT NO.
	A	C	J	
0.5	1 - 1.1	1.4 - 1.5	6	ES-08
0.75	1.4 - 1.5	1.8 - 1.9	6	ES-09
1	1.6 - 1.7	2 - 2.1	6	ES-10
	1.6 - 1.7	2 - 2.1	10	ES-11
1.5	1.8 - 1.9	2.2 - 2.3	7	ES-12
	1.8 - 1.9	2.2 - 2.3	10	ES-13
2.5	2.3 - 2.4	2.7 - 2.8	7	ES-14
	2.3 - 2.4	2.7 - 2.8	12	ES-15
4	2.8 - 2.9	3.2 - 3.3	9	ES-16
	2.8 - 2.9	3.2 - 3.3	12	ES-17
6	3.7 - 3.8	4.1 - 4.2	10	ES-18
	3.7 - 3.8	4.1 - 4.2	12	ES-19
	3.7 - 3.8	4.1 - 4.2	15	ES-20
10	4.6 - 4.7	5 - 5.1	12	ES-21
	4.6 - 4.7	5 - 5.1	15	ES-22
	4.6 - 4.7	5 - 5.1	18	ES-23
16	5.9 - 6	6.3 - 6.4	12	ES-24
	5.9 - 6	6.3 - 6.4	15	ES-25
	5.9 - 6	6.3 - 6.4	18	ES-26

COPPER CRIMPING END SEALING INSULATED FERRULES

Braco End Sealing Insulated Ferrules: Ensuring Optimal Cable Connections

Crafted from electrolytic copper and designed to meet the dimensions of DIN 46228, Braco End Sealing Insulated Ferrules are your answer when a flawless connection is essential at the end of a cable. Particularly beneficial for cables with small diameters, these ferrules enhance electrical conductivity, preventing strands deviation, and reducing the risk of cable breakage.

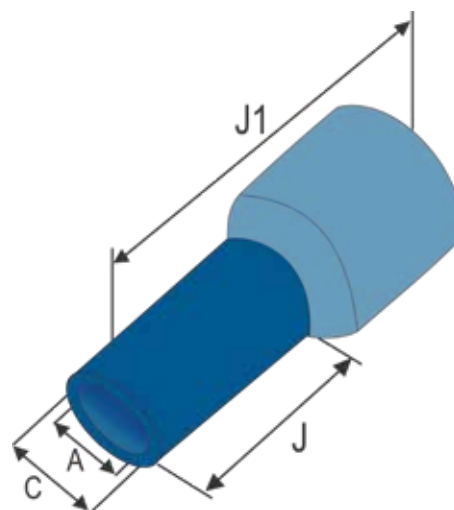
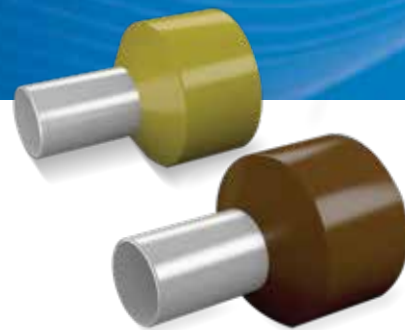
These ferrules go beyond creating a connection; they ensure long-lasting contact pressure and a substantial contact surface for enhanced reliability.

Tinning is meticulously applied for a superior finish, combating oxidation, and ensuring maximum corrosion protection.

The Insulation Sleeve, made from Polypropylene (PP), adds an extra layer of insulation. Choose from a range of insulation colors based on the most common color system in the market, where the color signifies the cross-section area of the conductor.

Braco End Sealing Insulated Ferrules: a reliable solution for optimal cable connections, mitigating risks associated with cable breakage and providing additional insulation for enhanced safety.

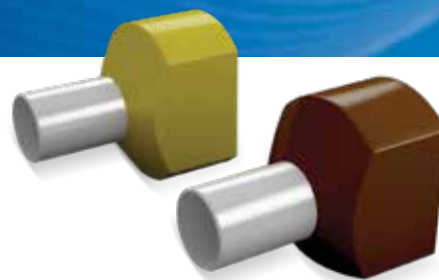
Material: Copper BS: 1977
Finish: Electro Tinned



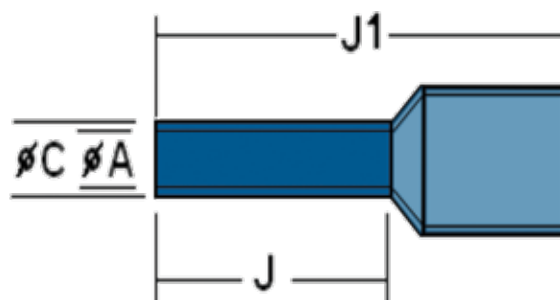
Size Sq.mm	Dimensions				BRACO CAT NO.
	A	C	J	J-1	
0.5	1	1.4	8	12	ESI-0.5-8
0.75	1.4	1.8	8	12	ESI-0.75-8
1	1.6	2	8	12	ESI-1-8
	1.6	2	10	16	ESI-1-10
1.5	1.8	2.2	8	14	ESI-1.5-8
	1.8	2.2	10	16	ESI-1.5-10
	1.8	2.2	12	18	ESI-1.5-12
2.5	2.3	2.7	8	14	ESI-2.5-8
	2.3	2.7	10	16	ESI-2.5-10
	2.3	2.7	12	18	ESI-2.5-12
4	2.8	3.2	8	16	ESI-4-8
	2.8	3.2	10	18	ESI-4-10
	2.8	3.2	12	20	ESI-4-12
6	3.7	4.1	10	18	ESI-6-10
	3.7	4.1	12	20	ESI-6-12
	3.7	4.1	16	24	ESI-6-16
10	4.6	5	12	22	ESI-10-12
	4.6	5	16	26	ESI-10-16
16	5.9	6.3	12	22	ESI-16-12
	5.9	6.3	16	26	ESI-16-16
25	7.5	7.9	16	29	ESI-25-16
35	8	8.7	16	29	ESI-35-16
50	9.7	10.3	20	36	ESI-50-20

COPPER CRIMPING END SEALING INSULATED FERRULES - FOR TWIN CABLE

Braco Copper Crimping End Sealing Insulated Ferrules - For Twin Cable are designed to offer maximum efficiency under heavy-duty applications that are subject to continuous Mechanical Vibration ie Engines, Railways, Moving Components etc.



Features	Advantages
Tin Plated	To avoid oxidization and achieve Maximum corrosion protection
PVC Sleeves	To protect against electrical shocks



Material: Copper BS: 1977
Finish: Electro Tinned

Size Sq.mm	Dimensions					BRACO CAT NO.
	A	C	J	J-1	W	
0.5	1.5	1.8	8	15	4.7	ESIT-0.5-8
0.75	1.8	2.1	8	15	5	ESIT-0.75-8
1	2	2.3	8	15	5.4	ESIT-1-8
	2	2.3	10	17	5.4	ESIT-1-10
1.5	2.2	2.5	8	16	6.6	ESIT-1.5-8
	2.2	2.5	10	16	6.6	ESIT-1.5-10
	2.2	2.5	12	20	6.6	ESIT-1.5-12
2.5	2.8	3.2	10	18.5	7.8	ESIT-2.5-10
	2.8	3.2	12	21.5	7.8	ESIT-2.5-12
4	3.7	4.1	12	23	8.8	ESIT-4-12
6	4.8	5.2	12	26	10	ESIT-6-12
10	6.4	6.8	12	26	13	ESIT-10-12
16	8.3	8.9	12	30	18.4	ESIT-16-12



COPPER CABLE LUGS & FERRULES

INTRODUCTION TO CABLE LUGS

Braco Cable Lugs are indispensable components in electrical systems, designed to establish secure connections between cables and various electrical equipment, such as switches, circuit breakers, and distribution boards.

KEY FUNCTIONS OF BRACO CABLE LUGS:

- **CONDUCTIVITY AND RELIABILITY:** Ensures efficient transmission of electrical power by providing a reliable and high-conductivity connection between cables and equipment.
- **TERMINATION:** Facilitates the termination of cables onto electrical devices, ensuring proper electrical continuity and functionality.
- **VERSATILITY:** Offers versatility in application, accommodating a wide range of cable sizes, types, and materials to suit diverse electrical installations.
- **DURABILITY:** Constructed from premium materials and subjected to rigorous quality control, Braco Cable Lugs are designed to withstand harsh environmental conditions and maintain long-term reliability.
- **SAFETY:** Ensures safe and secure electrical connections, minimizing the risk of electrical hazards such as short circuits and electrical fires.

CONSIDERATIONS FOR CABLE LUG SELECTION:

- **CABLE TYPE AND SIZE:** Consider the type and size of the cable to ensure compatibility with the cable lug's specifications.
- **MATERIAL:** Select the appropriate material (e.g., copper or aluminum) based on the specific requirements of the electrical installation.
- **ENVIRONMENTAL CONDITIONS:** Take into account environmental factors such as temperature, moisture, and corrosion resistance when choosing cable lugs for outdoor or harsh environments.
- **INSTALLATION:** Ensure proper installation by qualified personnel, adhering to industry standards and safety practices to guarantee optimal performance and longevity of the electrical connections.

At Braco Electricals India Private Limited, we are committed to providing high-quality cable lugs that meet the stringent requirements of modern electrical systems. With our expertise and dedication to excellence, we strive to deliver reliable and efficient solutions that power the world with confidence.

BRACO COPPER AND ALUMINIUM CABLE LUGS INSTALLATION GUIDE

Proper installation of copper and aluminium cable lugs is essential to ensure reliable electrical connections and prevent failures in your systems. This guide provides detailed instructions to help you install Braco Copper and Aluminium Cable Lugs effectively.

SELECTION OF CABLE LUGS:

- **CHOOSE THE CORRECT LUG SIZE:** Ensure the lug matches the conductor size and type. Refer to the Braco catalog for size specifications.
- **VERIFY COMPATIBILITY:** Ensure the lug material (copper or aluminium) is compatible with the conductor material to avoid galvanic corrosion.
- **TYPE OF LUG:** Use heavy-duty or standard-duty lugs as required by the application. Confirm the terminal hole size matches the bolt or stud dimensions.

TOOLS AND MATERIALS REQUIRED:

- **CABLE STRIPPING TOOL**
- **WIRE BRUSH OR EMERY PAPER**
- **HYDRAULIC OR MECHANICAL CRIMPING TOOL (Matched to The Lug Size)**
- **HEAT SHRINK TUBING (If required for Insulation)**
- **TORQUE WRENCH (If applicable)**
- **ANTI-OXIDATION COMPOUND (For Aluminium Conductors and Bimetallic Lugs)**

CABLE PREPARATION:

- **CUT THE CABLE:** Ensure the cable is cut cleanly and securely using a cable cutter.
- **STRIP THE INSULATION:** Use a cable stripper to remove the insulation. Measure the length of the lug barrel and strip the insulation accordingly to ensure proper conductor insertion. Avoid nicking or damaging the conductor strands.
- **CLEAN THE CONDUCTOR:** Clean the exposed conductor strands with a wire brush or emery paper to remove oxidation or contaminants.

LUG INSTALLATION:

- **INSERT THE CONDUCTOR INTO THE LUG:**
 - Fully insert the conductor into the lug barrel until it is visible through the inspection hole (if provided)
- **CRIMPING THE LUG:**
 - Select the appropriate crimping tool and die based on the lug and conductor size.
 - Align the lug barrel in the crimping tool and perform multiple crimps as needed, starting from the end near the conductor and moving towards the lug palm.
 - Ensure the crimp is tight and uniform to avoid loose connections.
- **APPLY ANTI-OXIDATION COMPOUND (IF APPLICABLE):**
 - For aluminium and bimetallic lugs, apply a suitable anti-oxidation compound to prevent corrosion.
- **INSULATION AND PROTECTION:**
 - **Heat Shrink Tubing:** Slide heat shrink tubing over the connection if insulation is required. Use a heat gun to shrink the tubing for a secure fit.
 - **Protective Coverings:** For outdoor or harsh environments, consider additional protection like sealing tapes or boots.

MOUNTING AND CONNECTION:

- **ALIGN THE LUG PALM:** Position the lug palm over the terminal or bus bar.
- **SECURE THE LUG:**
 - Tighten the bolt or nut firmly to ensure a secure connection.
 - Avoid overtightening, which can damage the lug or connection.

FINAL INSPECTION:

- **VERIFY CRIMP QUALITY:** Check for uniform crimps and ensure there are no visible gaps between the conductor and lug barrel.
- **CHECK ALIGNMENT:** Confirm the lug is properly aligned and securely fastened.
- **TEST THE CONNECTION:** Perform an electrical continuity test to ensure a reliable connection.

ADDITIONAL NOTES:

- Always use tools and dies recommended for Braco Copper and Aluminium Cable Lugs.
- For installations in corrosive environments, consider using tin-plated or silver-plated lugs.
- Follow safety guidelines and use appropriate personal protective equipment (PPE).

By adhering to this guide, you can ensure that Braco Copper and Aluminium Cable Lugs are installed correctly, providing durable and reliable electrical connections for your applications.

For further assistance or technical support, please contact our customer service team.



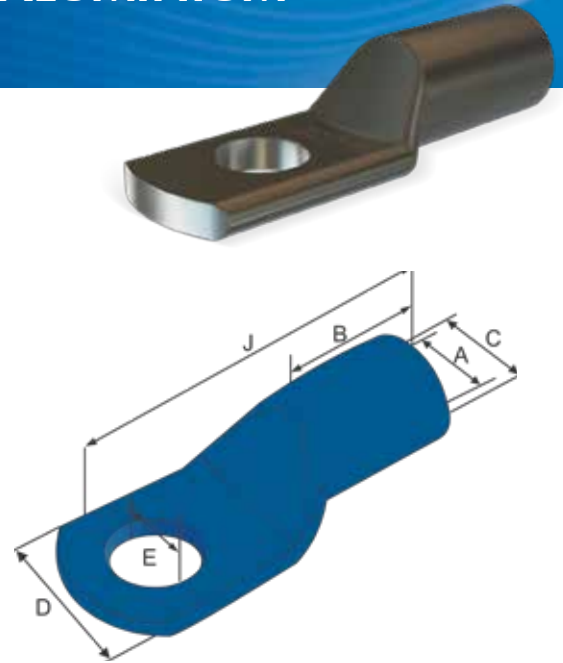
COPPER CRIMPING TERMINALS FOR ALUMINIUM CONDUCTOR (Light Duty)

Braco Copper Tube Crimping Terminals: Reliable Performance

Crafted from electrolytic copper tubes, Braco Copper Tube Crimping Terminals prioritize efficient electrical conductivity and mechanical strength. Ideal for terminating cables in critical environments, especially electrical switching equipment where vibration is crucial.

Annealed for optimum ductility, these terminals ensure reliable connections even in vibrating applications. This annealing process prevents cracking or breaks between the barrel and palm. Tin plating on the terminals prevents oxidization, providing maximum corrosion protection for lasting reliability.

Material Copper BS: 1977 Finish: Electro Tinned



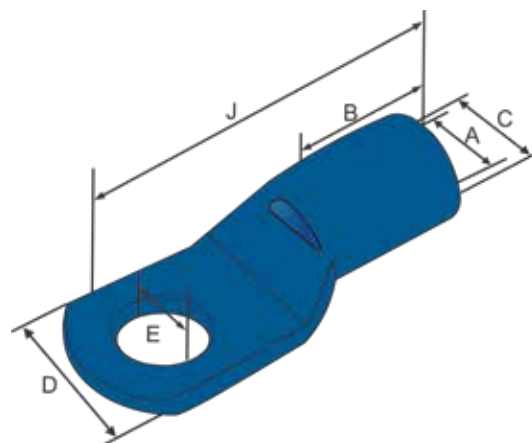
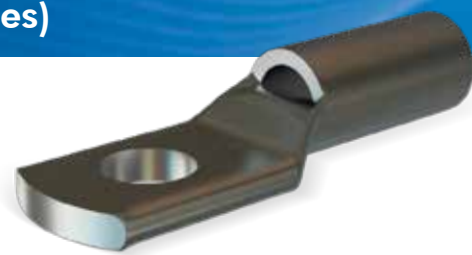
Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
2.5	5.2	2.4	4	9	7	20	CT-05
4	6.2	3.1	4.8	10	7	22	CT-06
6	6.2	3.8	5.5	11	9	24	CT-07
10	6.2	4.4	6.2	11	9	24	CT-08
16	6.2	5.4	7.1	11	12	30	CT-09
25	6.2	7	9	13	12	37	CT-10
35	6.2	8	10	15	12	37	CT-11
	8.2	8	10	15	12	37	CT-12
50	6.2	9.2	11.2	16	16	45	CT-13
	8.2	9.2	11.2	16	16	45	CT-14
	10.2	9.2	11.2	16	16	45	CT-15
70	8.2	11.5	13.8	20	18	56	CT-16
	10.2	11.5	13.8	20	18	56	CT-17
	12.7	11.5	13.8	20	18	56	CT-18
95	10.2	12.8	15.6	23	20	58	CT-19
	12.7	12.8	15.6	23	20	58	CT-20
120	10.2	14.8	17.8	26	22	62	CT-21
	12.7	14.8	17.8	26	22	62	CT-22
	16.2	14.8	17.8	26	22	62	CT-23
150	10.2	16	19.6	28	26	70	CT-24
	12.7	16	19.6	28	26	70	CT-25
	16.2	16	19.6	28	26	70	CT-26
185	12.7	18	22	32	30	83	CT-27
	16.2	18	22	32	30	83	CT-28
240	16.2	22	26	38	36	97	CT-29
	20.3	22	26	38	36	97	CT-30
300	16.2	24	28.7	42	39	103	CT-31
	20.3	24	28.7	42	39	103	CT-32
400	20.3	28	33.2	49	44	116	CT-33
500	20.3	30	36	53	48	120	CT-34
630	20.3	35	41.5	61	55	137	CT-35
800	-	39	46.3	67	65	165	CT-62
1000	-	43	53.8	76	90	210	CT-76

COPPER CRIMPING TERMINALS WITH INSPECTION HOLE (Economy Series)

Braco Copper Tube Crimping Terminals: Efficient and Reliable

Crafted from high-quality electrolytic copper tubes, Braco Copper Tube Crimping Terminals ensure optimal electrical conductivity and mechanical strength. Versatile for various cable sizes, especially in critical environments like electrical switching equipment, these terminals maintain reliable connections in vibrating applications.

Featuring an inspection hole for easy conductor insertion and a carefully designed barrel length for accurate crimping, these terminals prioritize user-friendly efficiency. Tin plating prevents oxidation, offering maximum corrosion protection for lasting reliability. Choose Braco Copper Tube Crimping Terminals for dependable and efficient performance in diverse applications.



Material: Copper BS: 1977
Finish: Electro Tinned

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
35	6.5	8	10	15.3	12	35	CA-35-6
	8.4	8	10	15.3	12	35	CA-35-8
	10.5	8	10	18	12	38	CA-35-10
	12.7	8	10	20	15	42	CA-35-12
50	6.5	9.2	11.2	16	16	43	CA-50-6
	8.4	9.2	11.2	16	16	43	CA-50-8
	10.5	9.2	11.2	16	16	43	CA-50-10
	12.7	9.2	11.2	17	16	43	CA-50-12
70	6.4	11.6	13.8	20	18	50	CA-70-6
	8.4	11.6	13.8	20	18	50	CA-70-8
	10.5	11.6	13.8	20	18	50	CA-70-10
	13	11.6	13.8	20	18	50	CA-70-12
95	8.4	12.8	15.6	23	20	55	CA-95-8
	10.5	12.8	15.6	23	20	55	CA-95-10
	13	12.8	15.6	23	20	55	CA-95-12
120	8.5	14.8	17.8	26	22	60	CA-120-8
	10.5	14.8	17.8	26	22	60	CA-120-10
	12.7	14.8	17.8	26	22	60	CA-120-12
	15	14.8	17.8	26	22	64	CA-120-14
	17	14.8	17.8	28	22	64	CA-120-16
	21	14.8	17.8	28	22	64	CA-120-20
	8.4	16	19.6	28	26	69	CA-150-8
150	10.5	16	19.6	28	26	69	CA-150-10
	12.7	16	19.6	28	26	69	CA-150-12
	17	16	19.6	28	26	69	CA-150-16
185	10.5	18	22	32	32	78	CA-185-10
	12.7	18	22	32	32	78	CA-185-12
	15	18	22	32	32	78	CA-185-14
	17	18	22	32	32	78	CA-185-16
	21	18	22	32	32	78	CA-185-20
240	10.5	22	26	38	38	92	CA-240-10
	12.7	22	26	38	38	92	CA-240-12
	17	22	26	38	38	92	CA-240-16
	21	22	26	38	38	92	CA-240-20
300	12.7	24	28.7	42	42	101	CA-300-12
	17	24	28.7	42	42	101	CA-300-16
	21	24	28.7	42	42	101	CA-300-20
	17	28	33.2	49	44	114	CA-400-16
400	21	28	33.2	49	44	114	CA-400-20
	17	30	36	53	48	117	CA-500-16
	21	30	36	53	48	117	CA-500-20
500	-	30	36	53	48	117	CA-500BL
	13	35	41.5	61	69	145	CA-630-12
	17	35	41.5	61	69	145	CA-630-16
	21	35	41.5	61	69	145	CA-630-20
630	-	35	41.5	61	69	145	CA-630BL
	21	39	46.3	67	78	170	CA-800-20
	-	39	46.3	67	78	170	CA-800BL
800	-	43	53.8	76	90	200	CA-1000BL
1000	-	43	53.8	76	90	200	CA-1000BL

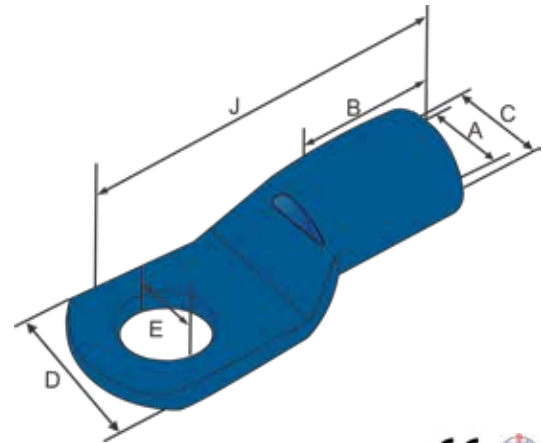
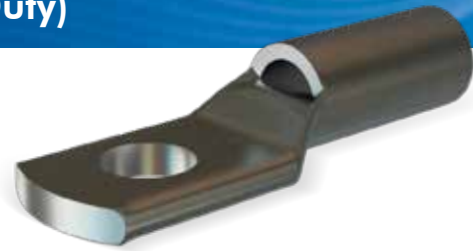
COPPER CRIMPING TERMINALS WITH INSPECTION HOLE FOR COPPER CONDUCTOR (Heavy Duty)

Braco Copper Tube Crimping Terminals: Reliable Performance

Crafted from high-quality electrolytic copper tubes, Braco Copper Tube Crimping Terminals ensure efficient electrical conductivity and mechanical strength, resisting vibration. Versatile for cables of any size, especially in critical environments like electrical switching equipment, these terminals maintain reliable connections, preventing cracking or breaks between the barrel and the palm.

Undergoing annealing for optimal ductility, these terminals are designed for enduring performance. With an inspection hole for easy conductor insertion and a carefully designed barrel length for precise crimping, these terminals prioritize user-friendly efficiency. Tin plating prevents oxidation, offering maximum corrosion protection for lasting reliability in various applications.

Material: Copper BS: 1977
Finish: Electro Tinned



Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
1.5	4.2	1.8	3.7	8	5	16	1.5-4 CT-711
	5.2	1.8	3.7	8	5	16	1.5-5 CT-538
	6.4	1.8	3.7	9	5	18	1.5-6 CT-539
2.5	4.2	2.4	4	8	7	18	2.5-4 CT-388
	5.2	2.4	4	9	7	20	2.5-5 CT-540
	6.5	2.4	4	10	7	20	2.5-6 CT-541
	8.4	2.4	4	11.5	7	26	2.5-8 CT-762
4	4.2	3.1	4.8	8	7	20	4-4 CT-764
	5.2	3.1	4.8	9	7	20	4-5 CT-389
	6.5	3.1	4.8	10	7	20	4-6 CT-543
	8.4	3.1	4.8	11.5	7	25	4-8 CT-763
6	4.2	3.8	5.5	9	9	23	6-4 CT-64
	5.2	3.8	5.5	10	9	23	6-5 CT-390
	6.5	3.8	5.5	11	9	26	6-6 CT-544
	8.4	3.8	5.5	12	9	26	6-8 CT-545
	10.5	3.8	5.5	15	9	32	6-10 CT-854
10	5.2	4.5	6.2	10	9	26	10-5 CT-822
	6.5	4.5	6.2	11	9	26	10-6 CT-353
	8.4	4.5	6.2	12	9	26	10-8 CT-547
	10.5	4.7	7.1	15	10	32	10-10 CT-855
	12.7	4.7	7.1	18	10	33	10-12 CT-856

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
16	5.2	5.4	7.1	10	11	30	16-5 CT-696
	6.4	5.4	7.1	11	11	30	16-6 CT-354
	8.4	5.4	7.1	12	11	31	16-8 CT-549
	10.5	5.5	7.9	15	13	35	16-10 CT-657
	12.7	5.5	7.9	18	13	40	16-12 CT-858
	16.5	5.5	7.9	22	13	40	16-16 CT-1616
25	6.4	6.8	8.8	13	12	32	25-6 CT-355
	8.4	6.8	8.8	13	12	32	25-8 CT-551
	10.5	6.8	8.8	16	12	38	25-10 CT-552
	12.7	6.8	8.8	18	12	40	25-12 CT-765
	16.5	6.8	8.8	24	13	45	25-16 CT-2516
35	6.5	8.2	10.6	15.3	12	35	35-6 CT-542
	8.4	8.2	10.6	15.3	12	35	35-8 CT-356
	10.5	8.2	10.6	16	12	38	35-10 CT-554
	12.7	8.2	10.6	17	15	42	35-12 CT-853
	16.5	8.2	10.6	24	14	50	35-16 CT-3516

COPPER CRIMPING TERMINALS WITH INSPECTION HOLE FOR COPPER CONDUCTOR (Heavy Duty)

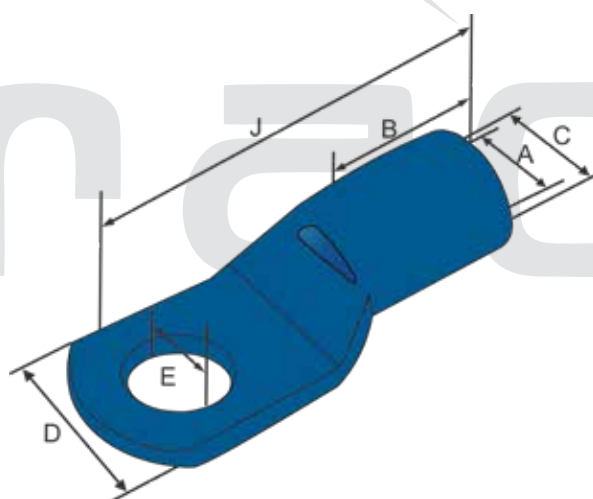
Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
50	6.5	9.5	12.4	18	16	43	50-6 CT-746
	8.4	9.5	12.4	18	16	43	50-8 CT-357
	10.5	9.5	12.4	18	16	43	50-10 CT-556
	12.7	9.5	12.4	18	16	43	50-12 CT-698
	15	9.5	12.4	20	17	49	50-14 CT-5014
	16	9.5	12.4	24	18	54	50-16 CT-699
	21	9.5	12.4	30	18	54	50-20 CT-5020
70	6.4	11.2	14.7	21	18	50	70-6 CT-748
	8.4	11.2	14.7	21	18	50	70-8 CT-557
	10.5	11.2	14.7	21	18	50	70-10 CT-358
	13	11.2	14.7	21	18	50	70-12 CT-559
	15	11.2	14.7	25	20	55	70-14 CT-795
	16	11.2	14.7	25	20	55	70-16 CT-780
	21	11.2	14.7	26	20	55	70-20 CT-781
95	6.4	13.5	17.4	25	20	55	95-6 CT-956
	8.4	13.5	17.4	25	20	55	95-8 CT-752
	10.5	13.5	17.4	25	20	55	95-10 CT-359
	13	13.5	17.4	25	20	55	95-12 CT-561
	15	13.5	17.4	26	20	55	95-14 CT-796
	17	13.5	17.4	26	22	60	95-16 CT-672
	21	13.5	17.4	28	22	64	95-20 CT-673

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
120	6.4	15	19.4	28	22	64	120-6 CT-1206
	8.5	15	19.4	28	22	64	120-8 CT-782
	10.5	15	19.4	28	22	64	120-10 CT-700
	12.7	15	19.4	28	22	64	120-12 CT-241
	15	15	19.4	28	22	64	120-14 CT-797
	17	15	19.4	28	22	64	120-16 CT-546
	21	15	19.4	28	22	64	120-20 CT-798
150	8.4	16.5	21.2	30	26	69	150-8 CT-783
	10.5	16.5	21.2	30	26	69	150-10 CT-676
	12.7	16.5	21.2	30	26	69	150-12 CT-242
	15	16.5	21.2	30	26	69	150-14 CT-799
	17	16.5	21.2	30	26	69	150-16 CT-564
	21	16.5	21.2	30	26	69	150-20 CT-565
185	8.5	18.5	23.5	34	32	78	185-8 CT-1858
	10.5	18.5	23.5	34	32	78	185-10 CT-652
	12.7	18.5	23.5	34	32	78	185-12 CT-639
	15	18.5	23.5	34	32	78	185-14 CT-800
	17	18.5	23.5	34	32	78	185-16 CT-243
	21	18.5	23.5	34	32	78	185-20 CT-704

COPPER CRIMPING TERMINALS WITH INSPECTION HOLE FOR COPPER CONDUCTOR (Heavy Duty)

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
240	8.5	21	26.5	38	38	92	240-8 CT-2408
	10.5	21	26.5	38	38	92	240-10 CT-787
	12.7	21	26.5	38	38	92	240-12 CT-705
	15	21	26.5	38	38	92	240-14 CT-801
	17	21	26.5	38	38	92	240-16 CT-244
	21	21	26.5	38	38	92	240-20 CT-567
300	10.5	23.5	30	43	42	101	300-10 CT-568
	12.7	23.5	30	43	42	101	300-12 CT-597
	15	23.5	30	43	42	101	300-14 CT-802
	17	23.5	30	43	42	101	300-16 CT-245
	21	23.5	30	43	42	101	300-20 CT-569

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
400	10.5	26.8	34.8	50	44	114	400-10 CT-410
	13	26.8	34.8	50	44	114	400-12 CT-412
	15	26.8	34.8	50	44	114	400-14 CT-414
	17	26.8	34.8	50	44	114	400-16 CT-246
	21	26.8	34.8	50	44	114	400-20 CT-571
	-	35	45	65	56	144	630BL CT-761
500	13	30	39	56	48	124	500-12 CT-512
	17	30	39	56	48	124	500-16 CT-572
	21	30	39	56	48	124	500-20 CT-247
630	17	35	45	65	56	144	630-16 CT-807
	21	35	45	65	56	144	630-20 CT-248
	-	39	50.6	73	78	170	800BL CT-599
800	21	39	50.6	73	78	170	800-20 CT-808
	-	43	53.7	81	90	200	1000BL CT-590
1000	21	43	53.7	81	90	200	1000-20 CT-809



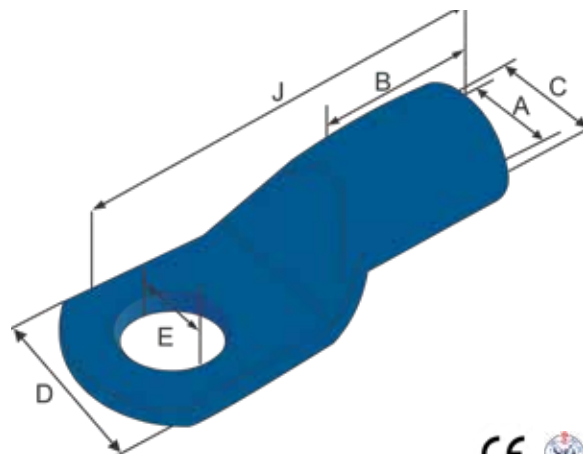
COPPER CRIMPING TERMINALS FOR COPPER CONDUCTORS (Long Barrel)

Braco Copper Long Barrel Tube Terminals: Robust Performance

Crafted from high-purity copper tube, Braco Copper Long Barrel Tube Terminals exemplify reliability. Annealed to prevent cracking or breaks, these terminals are designed for heavy-duty applications, ensuring enhanced electrical and mechanical performance.

The extended barrel length adds to their resilience, making them suitable for demanding scenarios. With no inspection hole, these terminals prevent water or moisture entry into crimped joints, ideal for outdoor applications.

Tin plating is employed to prevent oxidization and ensure maximum corrosion protection, adding to the longevity of these terminals.



Material: Copper BS: 1977
Finish: Electro Tinned

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
25	8.2	6.8	8.8	13	16	41	CT-82
35	8.2	8.2	10.6	15	20	48	CT-83
50	8.2	9.5	12.4	17	26	59	CT-84
70	10.5	11.2	14.7	20	28	66	CT-85
95	12.7	13.5	17.4	24	32	74	CT-86
120	12.7	15	19.4	28	35	82	CT-87
150	12.7	16.5	21.2	30	38	86	CT-88
185	12.7	18.5	23.5	34	43	95	CT-89
240	16.2	21	26.5	38	50	112	CT-90
300	16.2	23.5	30	43	55	120	CT-91
400	20.3	26.8	34.8	50	58	135	CT-92
500	21	30	39	56	70	150	CT-93
630	21	35	45	65	76	165	CT-94
800	-	39	50.5	73	105	200	CT-95
1000	-	43	53.7	81	130	240	CT-96

COPPER CRIMPING TERMINALS AS PER DIN STANDARDS

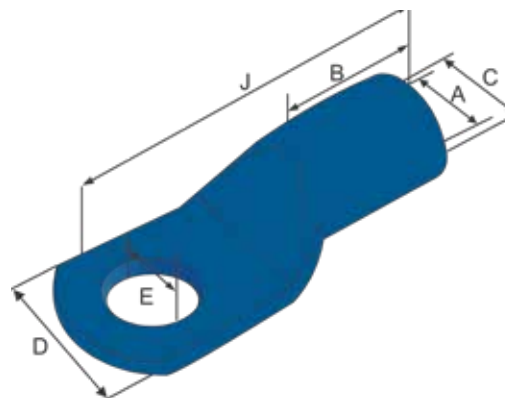
Braco Copper Tube Terminals: Reliable Connectivity

Crafted from Electrolytic Copper Tube, Braco Copper Tube Terminals ensure optimal electrical conductivity and mechanical strength, resisting vibration and pull-out forces. Versatile for terminating cables of any size, these terminals shine in critical environments like electrical switching equipment.

Annealed for optimum ductility, these terminals withstand severe deformation during compression and palm bending, crucial for connectors in vibrating applications. The design adheres to DIN standard 46235, ensuring quality and consistency.

Plated to prevent oxidization, these terminals offer maximum corrosion protection, enhancing their durability. Choose Braco Copper Tube Terminals for reliable connectivity in diverse applications.

Material: Copper BS: 1977
Finish: Electro Tinned



Size Sq.mm	Dimensions								BRACO CAT NO.
	E	A	C	B	D	G	H	J	
6	5.3	3.8	5.5	10	8.5	6.5	7.5	31	6-5 DIN
	6.5	3.8	5.5	10	8.5	7.5	8	32	6-6 DIN
10	6.5	4.5	6	10	8.5	7.5	8	35	10-6 DIN
	8.5	4.5	6	10	8.5	10	10	37	10-8 DIN
16	6.5	5.5	8.5	20	12	7.5	8	43	16-6 DIN
	8.4	5.5	8.5	20	12	10	10	45	16-8 DIN
	10.5	5.5	8.5	20	17	12	12	49	16-10 DIN
	13	5.5	8.5	20	19	13	13	50	16-12 DIN
25	6.5	7	10	20	15	7.5	8	47	25-6 DIN
	8.4	7	10	20	15	10	10	49	25-8 DIN
	10.5	7	10	20	17	12	12	51	25-10 DIN
	13	7	10	20	19	13	13	52	25-13 DIN
35	8.4	8.2	12.5	20	17	7.5	8	50	35-8 DIN
	10.5	8.2	12.5	20	19	10	10	52	35-10 DIN
	13	8.2	12.5	20	21	12	12	54	35-12 DIN
50	8.4	10	14.5	28	22	10	10	61	50-8 DIN
	10.5	10	14.5	28	22	12	12	63	50-10 DIN
	13	10	14.5	28	23	13	13	64	50-12 DIN
	17	10	14.5	28	28	14.5	14.5	66	50-16 DIN
70	10.5	11.5	16.5	28	24	10	10	64	70-10 DIN
	13	11.5	16.5	28	24	12	12	66	70-12 DIN
	17	11.5	16.5	28	32	13	13	67	70-16 DIN
	21	11.5	16.5	28	32	14.5	14.5	69	70-20 DIN

Size Sq.mm	Dimensions								BRACO CAT NO.
	E	A	C	B	D	G	H	J	
95	10.5	13.5	19	35	28	12	12	76	95-10 DIN
	13	13.5	19	35	28	12	12	76	95-12 DIN
	17	13.5	19	35	32	13	13	80	95-16 DIN
120	21	13.5	19	35	34	14.5	14.5	82	95-20 DIN
	10.5	15.5	21	35	32	18	16	83	120-10 DIN
	13	15.5	21	35	32	19	17	84	120-12 DIN
	17	15.5	21	35	32	15	19	87	120-16 DIN
150	21	15.5	21	35	32	16	20	88	120-20 DIN
	10.5	17	23.5	35	34	15	16	92	150-10 DIN
	13	17	23.5	35	34	16	17	93	150-12 DIN
	17	17	23.5	35	34	19	20	96	150-16 DIN
185	21	17	23.5	35	40	16	20	96	150-20 DIN
	10.5	19	25.5	40	37	15	16	96	185-10 DIN
	13	19	25.5	40	37	16	17	97	185-12 DIN
	17	19	25.5	40	37	19	20	100	185-16 DIN
240	21	19	25.5	40	40	19	20	100	185-20 DIN
	10.5	21.5	29	40	42	15	16	106	240-10 DIN
	13	21.5	29	40	42	16	17	107	240-12 DIN
	17	21.5	29	40	42	19	20	110	240-16 DIN
300	21	21.5	29	40	46	21	20	112	240-20 DIN
	13	24.5	32	50	48	19	22	119	300-12 DIN
	17	24.5	32	50	48	19	22	119	300-16 DIN
	21	24.5	32	50	48	21	22	121	300-20 DIN
400	17	27.5	38.5	70	55	25	25	140	400-16 DIN
	21	27.5	38.5	70	55	25	25	140	400-20 DIN
500	21	31	42	70	60	25	25	152	500-20 DIN
625	21	34.5	44	80	60	25	25	160	625-20 DIN

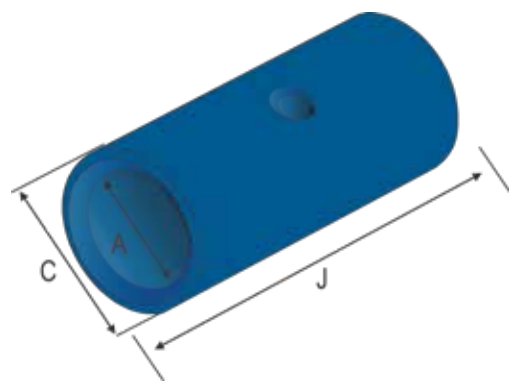
COPPER TUBE IN-LINE CONNECTORS

Braco Connectors: Seamless Heavy Duty Joints

Designed for joining Copper conductors, Braco Connectors offer a reliable solution for electrical connections. Crafted from electrolytic copper tubes with dimensions matching CT series lugs, these connectors are annealed and electro tin plated for optimal performance.

Featuring an internal taper at both ends, Braco Connectors facilitate the introduction of conductors, ensuring a seamless joint. A dimple, if required, is incorporated to guarantee correct positioning. These connectors can be provided with insulation for added versatility.

Tinning on connectors not only provides a better finish but also prevents oxidization, ensuring maximum corrosion protection.



Material: Copper BS: 1977

Finish: Electro Tinned

(Short Barrel)

BRACO CAT NO.	Size Sq.mm	Dimensions		
		A	C	J
ILC-453	1.5	1.9	3.8	15
ILC-454	2.5	2.4	4	15
ILC-3	4	3.1	4.8	15
ILC-4	6	3.8	5.5	15
ILC-460	10	4.5	6.2	20
ILC-6	16	5.4	7.1	20
ILC-24	25	6.8	8.8	32
ILC-25	35	8.2	10.6	36
ILC-26	50	9.5	12.4	40
ILC-51	70	11.2	14.7	40
ILC-52	95	13.5	17.4	45
ILC-53	120	15	19.4	45
ILC-54	150	16.5	21.2	55
ILC-55	185	18.5	23.5	65
ILC-56	240	21	26.5	80
ILC-57	300	23.5	30	85
ILC-58	400	26.8	34.8	90
ILC-59	500	30	39	100
ILC-61	630	35	45	110
ILC-62	800	39	50.6	150
ILC-63	1000	43	53.7	170

(Long Barrel)



BRACO CAT NO.	Size Sq.mm	Dimensions		
		A	C	J
ILC-41	1.5	1.9	3.8	22
ILC-42	2.5	2.4	4	22
ILC-43	4	3.1	4.8	22
ILC-44	6	3.8	5.5	22
ILC-45	10	4.5	6.2	22
ILC-46	16	5.4	7.1	35
ILC-47	25	6.8	8.8	47
ILC-48	35	8.2	10.6	45
ILC-49	50	9.5	12.4	50
ILC-27	70	11.2	14.7	50
ILC-28	95	13.5	17.4	60
ILC-29	120	15	19.4	65
ILC-30	150	16.5	21.2	70
ILC-31	185	18.5	23.5	75
ILC-32	240	21	26.5	89
ILC-33	300	23.5	30	95
ILC-34	400	26.8	34.8	115
ILC-35	500	30	39	117
ILC-36	630	35	45	120

COPPER CRIMPING REDUCER TERMINALS FOR ALUMINIUM CONDUCTOR

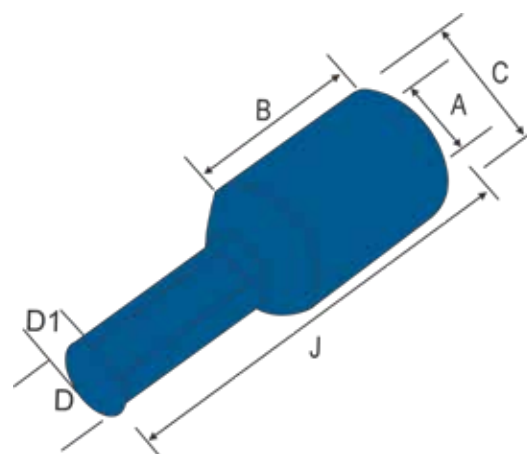
Braco Copper Crimping Reducer Terminals: Efficient Aluminum Conductor Termination

Designed for tunnel-type terminal blocks, Braco Copper Crimping Reducer Terminals efficiently terminate one or more aluminum conductors to a smaller area. Ideal for fuse gears, cut-outs, meters, etc., these terminals ensure secure connections.

Braco can tailor-produce any copper reducing link you may need, offering versatile solutions. The presence of copper at the termination end enhances current-carrying capacity in a compact space for optimal performance.

Tinning prevents oxidization, ensuring maximum corrosive protection and longevity. Trust Braco for efficient and reliable aluminum conductor termination in various applications.

Material: Copper BS: 1977
Finish: Electro Tinned



Size Sq.mm	Dimensions						BRACO CAT NO.
	A	C	D	D-1	B	J	
2.5	2.5	4.7	4.5	4	6	20	WPC-1
	2.5	4.7	3.8	3.3	6	20	WPC-7
4	2.8	4.7	4.5	4	6	20	WPC-15
	2.8	4.7	3.8	3.3	6	20	WPC-16
6	3.1	4.7	4.5	4	6	20	WPC-17
	3.1	4.7	3.8	3.3	6	20	WPC-18
10	3.8	5.5	4.5	4	9	23	WPC-19
	3.8	5.5	3.8	3.3	9	23	WPC-20
	4.4	6.2	4.5	4	9	23	WPC-21
	4.4	6.2	3.8	3.3	9	23	WPC-22
16	5.3	7.1	6	5.5	12	32	WPC-23
	5.3	7.1	6	5.5	12	37	WPC-24
	5.3	7.1	3.8	3.3	12	30	WPC-2
25	7	9	6	5.5	12	32	WPC-25
	7	9	7.5	6.5	12	37	WPC-3
35	8	10	7.5	6.5	12	37	WPC-4
50	9.2	11.2	7.5	6.5	16	41	WPC-26
	10.4	14	14	13	18	49	WPC-5

Size Sq.mm	Dimensions						BRACO CAT NO.
	A	C	D	D-1	B	J	
70	11.5	13.8	7.5	6.5	18	43	WPC-27
	11.5	13.8	11.5	10.5	18	48	WPC-6
95	11.5	13.8	11.5	10.5	18	55	WPC-28
	12.8	15.6	11.5	10.5	20	51	WPC-29
	12.8	15.6	7.5	6.5	20	48	WPC-31
120	12.8	15.6	12.8	11.8	20	58	WPC-32
	14.8	17.8	7.5	6.5	22	50	WPC-34
	14.8	17.8	11.5	10.5	22	60	WPC-35
150	16	19.6	15.6	14	26	64	WPC-10
	16	19.6	11.5	10.5	26	64	WPC-37
185	18	22	15.6	14	32	70	WPC-30
	18	22	11.5	10.5	32	70	WPC-38
240	22	26	16	15	38	88	WPC-44
	22	26	16	14	38	78	WPC-43
300	24	28.7	16	15	42	92	WPC-45
	24	28.7	16	14	42	82	WPC-47
400	27	33.2	16	14	46	90	WPC-101



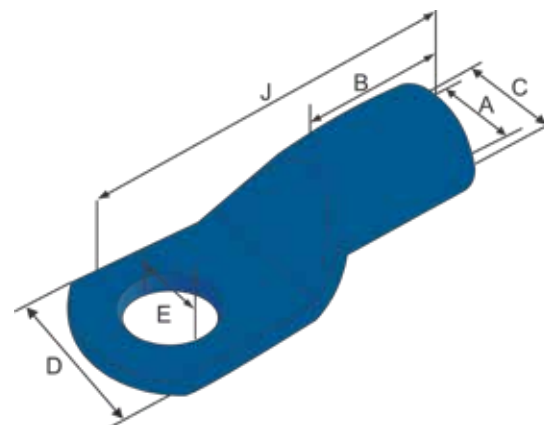
ALUMINIUM CABLE LUGS & FERRULES

ALUMINIUM CRIMPING TERMINALS

Braco Aluminium Crimping Terminals: Superior Purity and Performance

Crafted from tubes with a purity equal to or greater than 99.5%, Braco Aluminium Crimping Terminals boast a maximum conductivity of not less than 60% IACS. Designed according to IS 8309:1993 standards, these terminals efficiently terminate cables of all sizes, making them ideal for electrical switching equipment.

With the absence of an inspection hole, these terminals prevent water or moisture entry into crimped joints, ensuring suitability for outdoor applications. Explore the superior purity and performance of Braco Aluminium Crimping Terminals in various applications.



Material: Aluminium (IS-5082:1981)

Size Sq.mm	Dimensions						BRACO CAT NO.
E	A	C	D	B	J		
2.5	3.2	2	5.5	7	7	18	AT-151
	3.7	2.6	5.5	7	7	18	AT-309
4	4.2	2.9	5.5	7	7	18	AT-155
	5.2	2.9	5.5	9	7	24	AT-317
6	5.2	3.5	5.5	8	7	24	AT-158
	6.4	3.5	5.5	11	7	24	AT-313
10	6.4	4.4	7.4	11	9	30	AT-214
	8.2	4.4	7.4	13	9	30	AT-215
16	6.4	5.4	8.3	11	13	37	AT-252
	8.2	5.4	8.3	14	13	37	AT-216
	10.2	5.4	8.3	15	13	37	AT-217
25	6.4	7	9.7	14	16	44	AT-253
	8.2	7	9.7	14	16	44	AT-218
	10.2	7	9.7	17	16	44	AT-219
	12.7	7	9.7	18	16	44	AT-220
35	6.4	8	10.8	15	18	47	AT-254
	8.2	8	10.8	15	18	47	AT-221
	10.2	8	10.8	17	18	47	AT-222
50	8.2	9.3	13	18	22	54	AT-255
	10.2	9.3	13	18	22	54	AT-312
	12.7	9.3	13	18	22	54	AT-224
70	8.2	11.1	15.4	22	26	60	AT-256
	10.2	11.1	15.4	22	26	60	AT-225
	12.7	11.1	15.4	22	26	60	AT-226

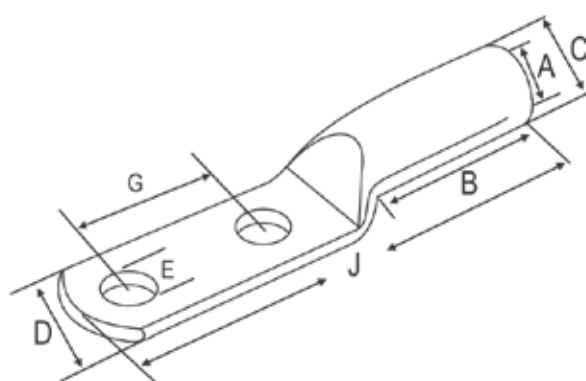
Size Sq.mm	Dimensions						BRACO CAT NO.
E	A	C	D	B	J		
95	10.2	13	17.1	25	28	64	AT-227
	12.7	13	17.1	25	28	64	AT-228
	16.2	13	17.1	25	28	64	AT-229
120	10.2	14.8	19.6	28	32	73	AT-257
	12.7	14.8	19.6	28	32	73	AT-230
	16.2	14.8	19.6	28	32	73	AT-231
150	10.2	16.6	21.4	31	34	79	AT-258
	12.7	16.6	21.4	31	34	79	AT-232
	16.2	16.6	21.4	31	34	79	AT-233
185	10.2	18.5	24	34	36	84	AT-311
	12.7	18.5	24	34	36	84	AT-234
	16.2	18.5	24	34	36	84	AT-235
240	12.7	22	28	40	44	102	AT-236
	16.2	22	28	40	44	102	AT-237
	20.3	22	28	40	44	102	AT-238
300	16.2	24	31	44.7	47	115	AT-300
	20.3	24	31	44.7	47	115	AT-259
400	20.3	28	36	51	56	130	AT-260
500	20.3	31	41	58	60	140	AT-296
630	20.3	35	46	66	69	154	AT-261
800	-	39	51	73	77	180	AT-318
1000	-	43.5	57	81	100	220	AT-319

DOUBLE HOLE ALUMINIUM CRIMPING TERMINALS FOR ALUMINIUM CONDUCTOR

Braco Aluminium Crimping Terminals: Superior Purity and Performance

Crafted from tubes with a purity equal to or greater than 99.5%, Braco Aluminium Crimping Terminals boast a maximum conductivity of not less than 60% IACS. Designed according to IS 8309:1993 standards, these terminals efficiently terminate cables of all sizes, making them ideal for electrical switching equipment.

With the absence of an inspection hole, these terminals prevent water or moisture entry into crimped joints, ensuring suitability for outdoor applications. Explore the superior purity and performance of Braco Aluminium Crimping Terminals in various applications.

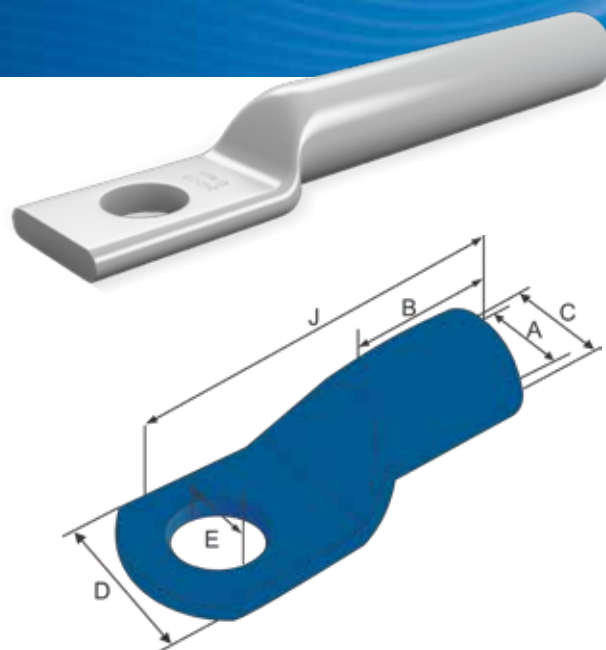


Material: Aluminium IS:5082:1981

CABLE SIZE MM ²	Dimensions							BRACO CAT NO.
	E	A	C	D	G	B	J	
25	8.2	7	9.7	14	45	16	88	ATT-25-8
35	8.2	8	10.8	15	45	18	90	ATT-35-8
50	10.2	9.3	13	18	45	22	100	ATT-50-10
70	10.2	11.1	15.4	22	45	26	103	ATT-70-10
95	12.7	13	17.1	25	45	28	111	ATT-95-12
120	12.7	14.8	19.6	28	45	32	118	ATT-120-12
150	12.7	16.6	21.4	31	45	34	120	ATT-150-12
185	12.7	18.5	24	34	45	36	123	ATT-185-12
240	12.7	22	28	40	45	44	137	ATT-240-12
300	16.2	24	31	45	45	47	147	ATT-300-16
400	20.3	28	36	51	45	56	157	ATT-400-20
500	20.3	31	41	58	45	60	167	ATT-500-20
630	20.3	35	46	66	45	69	178	ATT-630-20

ALUMINIUM TUBE TERMINALS FOR AL-XLPE CONDUCTORS

Braco Aluminium Tube Terminals For AL-XLPE Conductors are designed to offer maximum efficiency under heavy-duty applications that are subject to continuous Mechanical Vibration ie Engines, Railways, Moving Components etc.



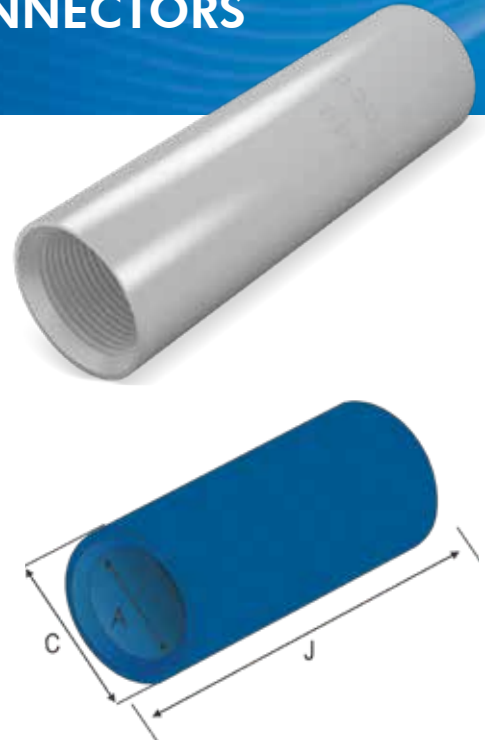
Material: Aluminium IS:5082:1981

Size Sq.mm	Dimensions							BRACO CAT NO.
	E	A	C	D	B	G+H	J	
25	8.2	7.2	9.6	14	41	21	69	ATXL-17
35	8.2	8.3	11.1	16	50	22	79	ATXL-18
50	10.2	9.3	13.5	19.5	49	24	81	ATXL-19
70	10.2	10.2	14.5	20.5	62	26	96	ATXL-20
95	12.7	12	16.6	23.5	73	28	109	ATXL-21
120	12.7	13.7	19	26.5	73	30	114	ATXL-22
150	12.7	15.1	21.1	29.5	83	34	128	ATXL-23
185	12.7	16.6	23.9	33	83	36	131	ATXL-24
240	12.7	19.3	27.2	37.5	86	44	144	ATXL-26
300	20.3	21.8	30.2	42	89	54	157	ATXL-27
400	20.3	25	34.8	48	113	60	187	ATXL-28
500	20.3	28.2	39.1	54	125	64	205	ATXL-29
630	20.3	31.7	44.4	61	140	68	225	ATXL-30
800	20.3	35.7	49.5	68	147	78	250	ATXL-31
1000	20.3	41	56	77.5	160	90	280	ATXL-32

ALUMINIUM CRIMPING IN-LINE CONNECTORS

Braco Aluminium Crimping In-Line Connectors: Superior Purity and Connectivity

Braco Aluminium Crimping In-Line Connectors are meticulously crafted from tubes with a purity equal to or greater than 99.5%, ensuring a maximum conductivity of not less than 60% IACS. Designed to meet IS 8309:1993 standards, these connectors provide a reliable solution for joining two identical size aluminum conductors. Explore the superior purity and seamless connectivity offered by Braco in various applications.



Material: Aluminium IS:5082:1981

Size Sq.mm	Dimensions			BRACO CAT NO.
	A	C	J	
2.5	2	5.5	16	ILA-145
	2.6	5.5	16	ILA-6
4	2.9	5.5	16	ILA-5
6	3.5	5.5	16	ILA-13
10	4.4	7.4	20	ILA-14
	3.8	6.2	20	ILA-146
16	5.4	8.3	26	ILA-4
25	7	9.7	35	ILA-3
35	8	10.8	40	ILA-2
50	9.3	13	45	ILA-12
70	11.1	15.4	55	ILA-1
95	13	17.1	60	ILA-15
120	14.8	19.6	65	ILA-9
150	16.6	21.4	70	ILA-10
185	18.5	24	75	ILA-11
240	22	28	90	ILA-16
300	24	31	100	ILA-17
400	28	36	115	ILA-18
500	31	41	125	ILA-19
630	35	46	140	ILA-20
800	39	51	160	ILA-148
1000	43.5	57	210	ILA-149

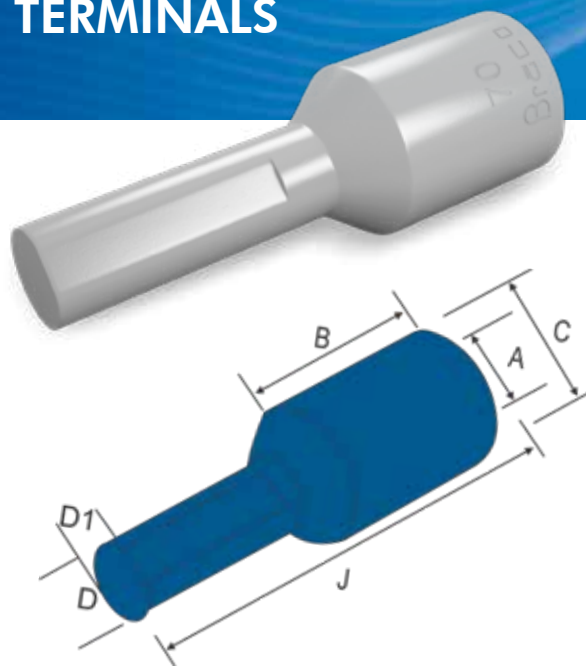
ALUMINIUM CRIMPING REDUCER TERMINALS FOR ALUMINIUM CONDUCTOR

Braco Aluminium Reducer Terminals: Efficient Conductor Termination

Crafted from aluminum with a purity equal to or greater than 99.5%, Braco Aluminium Reducer Terminals boast a maximum conductivity of not less than 60% IACS. Designed for terminating one or more aluminum conductors to a smaller area, these terminals offer efficient solutions.

Braco has the capability to produce any aluminum reducing link you may require, providing versatile options to meet your specific needs. Explore the efficiency of Braco Aluminium Reducer Terminals in conductor termination applications.

Material: Aluminium IS:5082:1981



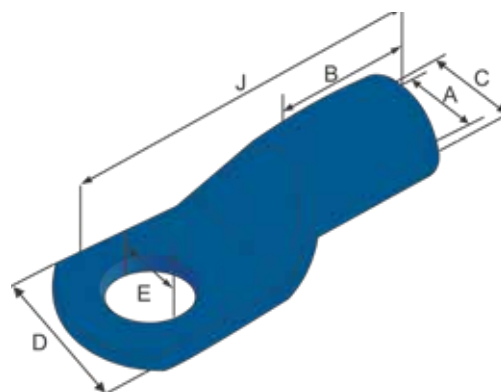
Size Sq.mm	Dimensions						BRACO CAT NO.
	A	C	D	D-1	B	J	
2.5	2.6	5.5	4.5	4	7	21	WPA-1
	2.6	5.5	3.5	3.3	7	21	WPA-7
4	2.9	5.5	4.5	4	7	21	WPA-15
	2.9	5.5	3.8	3.3	7	21	WPA-16
6	3.5	5.5	4.5	4	7	21	WPA-17
	3.5	5.5	3.8	3.3	7	21	WPA-18
10	3.8	7.4	4.5	4	9	23	WPA-19
	3.8	7.4	3.8	3.3	9	23	WPA-20
	4.4	7.4	4.5	4	9	23	WPA-21
	4.4	7.4	3.8	3.3	9	23	WPA-22
16	5.4	8.3	6	5.5	13	33	WPA-23
	5.4	8.3	6	5.5	13	38	WPA-24
	5.4	8.3	3.8	3.3	13	31	WPA-2
25	7	10	6	5.5	16	36	WPA-25
	7	10	7.5	6.5	16	41	WPA-3
35	8	10.8	7.5	6.5	18	43	WPA-4
50	9.3	13	7.5	6.5	22	47	WPA-26
	10.4	14	14	13	22	53	WPA-5
70	11.6	16	7.5	6.5	26	51	WPA-27
	11.6	16	11.5	10.5	26	56	WPA-6
	11.6	16	11.5	10.5	26	63	WPA-28
	12.9	17.1	11.5	10.5	28	59	WPA-29
95	12.9	17.1	15.6	14	28	61	WPA-8
	12.9	17.1	7.5	6.5	28	56	WPA-31
	12.9	17.1	12.8	11.8	28	66	WPA-32
120	14.8	19.6	11.5	10.5	32	63	WPA-33
	14.8	19.6	7.5	6.5	32	60	WPA-34
	14.8	19.6	11.5	10.5	32	70	WPA-35
	14.8	19.6	15.6	14	32	70	WPA-36
150	16.1	21.2	15.6	14	34	72	WPA-10
	16.1	21.2	11.5	10.5	34	72	WPA-37
185	18	23.7	15.6	14	36	74	WPA-30
	18	23.7	11.5	10.5	36	74	WPA-38
240	22	28	16	15	44	94	WPA-44
	22	28	15.6	14	44	84	WPA-43
300	24	31	16	15	47	94	WPA-45
	24	31	15.6	14	47	84	WPA-47

LONG BARREL ALUMINIUM CRIMPING TERMINALS FOR ALUMINIUM CONDUCTOR

Braco Long Barrel Aluminium Crimping Terminals: Enhanced Performance

Manufactured from tubes drawn to the required sizes with a minimum conductivity of not less than 60% IACS, Braco Long Barrel Aluminium Crimping Terminals adhere to IS 8309:1993 standards. These terminals are designed to efficiently terminate cables of all sizes, serving electrical switching equipment applications.

The increased barrel length ensures enhanced electrical and mechanical performance, allowing for more crimps. With the absence of an inspection hole, these terminals prevent the entry of water or moisture into crimped joints, making them suitable for outdoor applications. Explore the enhanced performance of Braco Long Barrel Aluminium Crimping Terminals in various settings.



Material: Aluminium IS:5082:1981

Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
2.5	3.2	2	5.5	7	10	21	AT-551
	3.7	2.6	5.5	7	10	21	AT-509
4	4.2	2.9	5.5	7	10	21	AT-555
	5.2	2.9	5.5	9	10	27	AT-617
6	5.2	3.5	5.5	8	10	27	AT-558
	6.4	3.5	5.5	11	10	27	AT-513
10	6.4	4.4	7.4	11	13	34	AT-514
	8.2	4.4	7.4	13	13	34	AT-515
16	6.4	5.4	8.3	11	20	44	AT-552
	8.2	5.4	8.3	14	20	44	AT-516
25	10.2	5.4	8.3	15	20	44	AT-517
	8.2	7	9.7	14	24	52	AT-518
35	10.2	7	9.7	17	24	52	AT-519
	12.7	7	9.7	18	24	52	AT-520
50	8.2	8	10.8	15	27	56	AT-521
	10.2	8	10.8	17	27	56	AT-522
70	8.2	9.3	13	18	33	65	AT-655
	10.2	9.3	13	18	33	65	AT-512
100	12.7	9.3	13	18	33	65	AT-524
	8.2	11.1	15.4	22	39	73	AT-556
150	10.2	11.1	15.4	22	39	73	AT-525
	12.7	11.1	15.4	22	39	73	AT-526

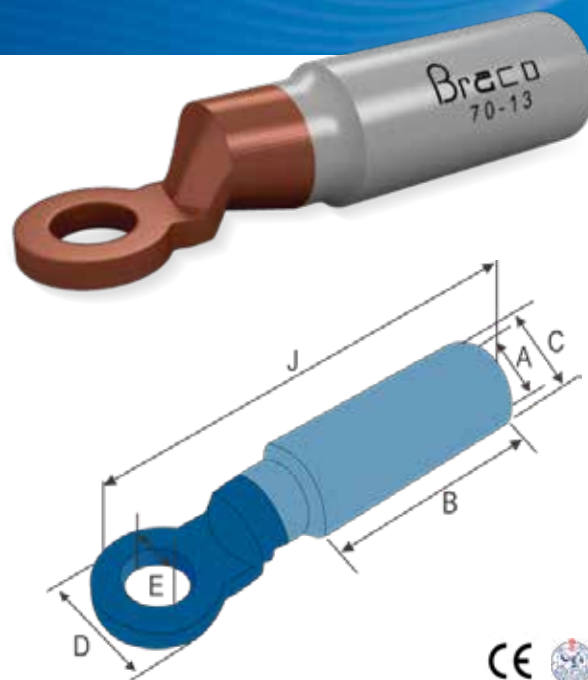
Size Sq.mm	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
95	10.2	13	17.1	25	42	78	AT-527
	12.7	13	17.1	25	42	78	AT-528
120	16.2	13	17.1	25	42	78	AT-529
	10.2	14.8	19.6	28	48	89	AT-557
150	12.7	14.8	19.6	28	48	89	AT-530
	16.2	14.8	19.6	28	48	89	AT-531
185	10.2	16.6	21.4	31	51	96	AT-658
	12.7	16.6	21.4	31	51	96	AT-532
240	16.2	16.6	21.4	31	51	96	AT-533
	10.2	18.5	24	34	54	102	AT-511
300	12.7	18.5	24	34	54	102	AT-534
	16.2	18.5	24	34	54	102	AT-535
400	12.7	22	28	40	66	124	AT-536
	16.2	22	28	40	66	124	AT-537
500	16.2	24	31	44.7	70	138	AT-500
	20.3	24	31	44.7	70	138	AT-559
630	20.3	28	36	51	84	158	AT-560
800	20.3	31	41	58	90	170	AT-596
1000	20.3	35	46	66	104	188	AT-561
	-	39	51	73	115	218	AT-618
	-	43.5	57	81	150	270	AT-619

BIMETALLIC TERMINALS - FRICTION WELDED TYPE

Braco Bi-metallic Terminals: Superior Aluminum Conductor Connections

Braco Bi-metallic Terminals for aluminum conductors are crafted from solid materials using friction welding. In this method, aluminum and copper join through the heat generated when aluminum rotates against copper under pressure. This superior technique ensures a complete and reliable connection between aluminum and copper.

The barrels are capped and filled with grease to prevent oxidization of the aluminum, ensuring longevity and optimal performance in aluminum conductor applications.



Material: Aluminium 99.5, E Copper

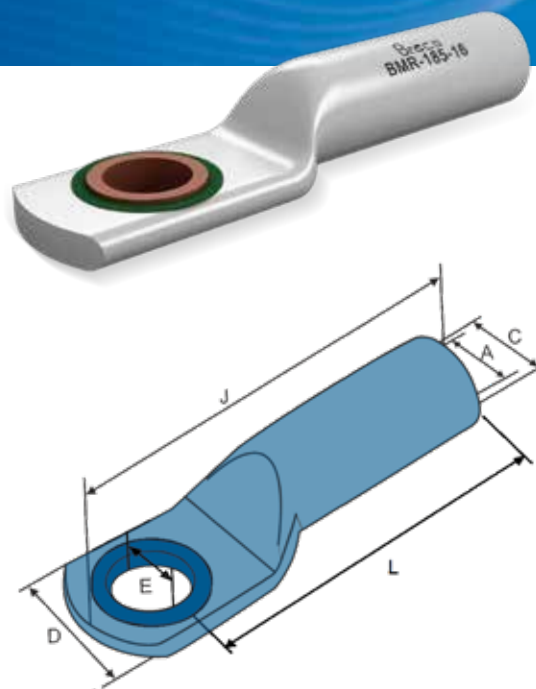
BRACO CAT NO.	Size Sq.mm	Dimensions					
		E	A	C	D	B	J
BMT-16-10	16	10.5	5.5	12	18	30	70
BMT-25-10	25	10.5	7.5	12	18	30	70
BMT-35-10	35	10.5	8	14	20	30	70
BMT-50-10	50	10.5	9.8	16	20	32	80
BMT-70-10	70	10.5	11.2	18.5	24	45	90
BMT-95-12	95	13	13.5	21	24	43	92
BMT-120-12	120	13	15	23	25	55	100
BMT-150-12	150	13	16.5	25	25	60	105
BMT-185-12	185	13	18.3	28.5	30	60	120
BMT-240-12	240	13	21	32	30	60	120
BMT-240-16	240	17	21	32	30	60	120
BMT-300-12	300	13	22.5	34	36	62	130
BMT-300-16	300	17	22.5	34	36	62	130
BMT-400-12	400	13	26.5	38	36	75	145
BMT-400-16	400	17	26.5	38	36	75	145
BMT-500-12	500	13	30	42	36	80	152
BMT-630-12	630	13	34	46	36	70	146
BMT-800-12	800	13	39	54	50	115	230
BMT-1000-12	1000	13	43	58	50	115	230

BIMETALLIC TERMINALS – COPPER RING TYPE

Bimetallic Cable Lugs: Aluminum and Copper Fusion

Manufactured from E.C. Grade Aluminum Tubes with a conductivity of 60% I.A.C.S. as per IS 5082, these Bimetallic Cable Lugs undergo a fusion process with E.C. Grade Copper Bushes. The bimetallic surface is sealed using a special green-colored anti-galvanic compound to prevent galvanic electro-corrosion.

Enhancing durability, the lug's barrel is filled with a corrosion-inhibiting compound and supplied with a PVC cap. Explore the reliability of Braco Bimetallic Cable Lugs for efficient and corrosion-resistant connections in diverse applications.



Material: Aluminium 99.5, E Copper

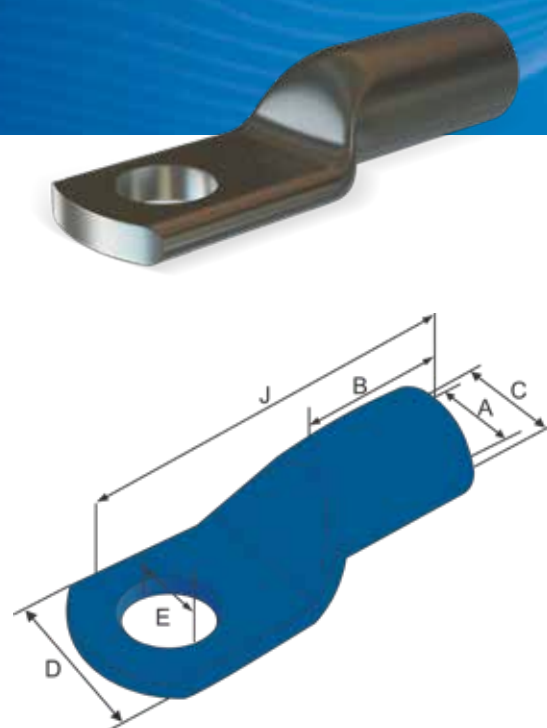
Size Sq.mm	Dimensions								BRACO CAT NO.
	E	A	C	D	G	H	L	J	
150	13	16.5	26	35	18.5	21.5	103	121	BMR-150-12
185	13	18.5	29	40	22	22.5	106	128	BMR-185-12
	17	18.5	29	40	22	22.5	106	128	BMR-185-16
300	13	23.5	34.5	51	24.5	24.5	124	148	BMR-300-12
	17	23.5	34.5	51	24.5	24.5	124	148	BMR-300-16
	21	23.5	34.5	51	24.5	24.5	124	148	BMR-300-20
630	21	34	46	65	33	33	127	160	BMR-630-20

Braco

ALUMINIUM ALLOY TUBULAR BIMETALLIC TERMINALS

Crafted from aluminum with a purity equal to or greater than 99.5%, Braco Aluminium Alloy Tubular Bi-Metallic Terminals exhibit a maximum conductivity not less than 60% IACS. Specifically designed for highly corrosive environments, these terminals are anti-corrosive, ensuring durability in challenging conditions.

The barrels are kept filled with grease, preventing the oxidation of aluminum. These terminals are versatile, accepting a variety of conductor forms, especially low stranded compacted conductors. Primarily used to terminate on copper bus bars, they address the issue of corrosion in joints when aluminum links terminate on copper or copper-based alloy terminals without suitable plating. Bimetallic terminals provide a reliable and corrosion-resistant solution for such connections. Explore the anti-corrosive reliability of Braco Aluminium Alloy Tubular Bi-Metallic Terminals in diverse applications.



Material: Aluminium IS:5082:1981

CABLE SIZE MM2	Dimensions						BRACO CAT NO.
	E	A	C	D	B	J	
10	6.4	4.4	7.4	11	9	30	ATB-1
	8.2	4.4	7.4	13	9	30	ATB-2
16	6.4	5.4	8.3	11	13	37	ATB-3
	8.2	5.4	8.3	12	13	37	ATB-4
25	8.2	7	9.7	14	16	44	ATB-5
	10.2	7	9.7	17	16	44	ATB-6
35	8.2	8	10.8	15	18	47	ATB-7
	10.2	8	10.8	17	18	47	ATB-8
50	8.2	9.3	13	18	22	54	ATB-9
	10.2	9.3	13	18	22	54	ATB-10
70	10.2	11.1	15.4	22	26	60	ATB-11
	12.7	11.1	15.4	22	26	60	ATB-12
95	10.2	13.5	17.3	25	28	64	ATB-13
	12.7	13.5	17.3	25	28	64	ATB-14
120	10.2	14.8	19.6	28	32	73	ATB-15
	12.7	14.8	19.6	28	32	73	ATB-16
150	12.7	16.6	21.4	31	34	79	ATB-17
	16.2	16.6	21.4	31	34	79	ATB-18
185	12.7	18.5	24	34	36	84	ATB-19
	16.2	18.5	24	34	36	84	ATB-20
240	12.7	22	28	40	44	102	ATB-22
	16.2	22	28	40	44	102	ATB-23
300	16.2	24	31	45.7	47	115	ATB-24
	20.3	24	31	45.7	47	115	ATB-25
400	20.3	28	36	51	56	130	ATB-26
500	20.3	30.2	41	58	60	140	ATB-27
630	20.3	35	46	66	69	154	ATB-28
800	-	39	51	73	77	180	ATB-29
1000	-	43.5	57	81	100	220	ATB-30

CORROSION INHABITING COMPOUND

Braco Corrosion Inhibiting Compound: Defending Connections in Aggressive Environments

Braco recommends the use of Corrosion Inhibiting Compound for crimping connections, especially in aggressive conditions such as chemical or salt-laden atmospheres, or where regular inspection and cleaning are not feasible.

This compound is a mixture of Grey Lithium-based grease with abrasive particles and suspended Zinc particles, enhancing jointing by causing small areas of cold welding:

The Corrosion Inhibitor does not affect the electrical properties of the compression joint.

It is non-corrosive to aluminum, copper, steel, tin, zinc, and combinations of these metals.

It does not deteriorate when exposed to the atmosphere at the conductor's operating temperature.

It exhibits good sealing properties against moisture and contaminating substances in the atmosphere, with a high-temperature drop point.

The mixture includes Grey Lithium-based grease, Zinc Chromate, and Titanium Dioxide, ensuring robust protection for connections. Explore the reliability of Braco Corrosion Inhibiting Compound in safeguarding connections in challenging environments.



Specification	Joint without Compound	Joint with Braco Compound	Joint with Imported Compound
AT 700 Amp at Ambient Temp.	4.42 mV	2.65 mV	3.85 mV
After 10 days 6.16mV 3.1mV 5.35mV at 90°C	5.70 mV	2.97 mV	4.75 mV
After 1/2 hour ageing at 200°C after 2nd test	7.06 mV	3.55 mV	5.56 mV

PRODUCT SPECIFICATION & QUALITY CONTROL CHART FOR CABLE TERMINAL ENDS

A) RAW MATERIALS

MTL/FORM	PARAMETERS CHECKED	TYPE / METHOD & INSTRUMENTS OF INSPECTION	ACCEPTANCE	STANDARD VALUES
I Copper	Chemical composition	Testing done at renowned lab Supplier test Certificate	BS 1877 IS 191 (Part-V)	-
(a) Tubes	Diameters Surface roughness Ovality Hardness Conductivity Resistivity Flattening	Verniers/Go & No Go Gauges Visual Visual/Vernier Hardness testing M/C Conductivity Meter Resistivity Meter Press	IS 5071 ORBS 1977	- - - 65 RF (60 HV) 99.25% I. A. C. S. 0.0172 ohm mm /m at 20 degree C Should not crack When Flattened
(b) Strip	Dimensions Surface Roughness Bend test Hardness Conductivity Resistivity	Verniers/mm Visual 'V' Block/Vice Hardness testing Machine Conductivity Meter Resistivity Meter	IS 1897 - IS 3260-1965 DO DO IS 36351960	- Should not crack when bent 65RF (60 Hv) 99.25% I. A. C. S. 2 0.0172 ohm mm /m at 20 degrees C
(c) Rods	Diameters Surface Roughness Hardness Conductivity Resistivity Hardness Conductivity Resistivity	Verniers / mm Visual Hardness testing Machine Conductivity Meter Resistivity Meter	IS 613-1984 -	- - 60RF(65HV) 99.25% I. A. C. S. 2 0.0172 ohm mm /m at 20 degrees C
II Aluminium	Chemical Composition	Testing done at Renowned Lab/ Test Certificate	IS 5082-1982	-
	Diameter Surface Roughness Ovality Hardness Conductivity Resistivity Flattening	Verniers/Go & NoGo Gauges Visual Visual Hardness tester Conductivity Meter Resistivity Meter Press	IS 5082 - - DO DO DO	- - - 30 BHN max. 60% I. A. C. S. 2.87 micro ohm cm at 20 degree C Should not crack when
III PVC Sleeves	Diameter Surface roughness Ovality Colour	Verniers/Go & NoGo (gauges) Visual Vernier / Visual Visual	IS 1951-1961 - IS 1951-1961 -	- - - 0.75 Red, 1.5 Red, 2.5 Blue, 4.6 Yellow 10.16 Blue
	Hardness Flattening	Pilers Pilers	IS 1951-1961 DO	Should not crack when Flattened
IV Phosphorous Bronze Sheet	Surface Roughness Hardness Bend test Bend test	Visual Hardness testing M/C 'V' Block/Vice	IS 7814-1975 IS 3260-1965	150 HV min Should not crack when bent

Details Require for Crimp type Lugs & Connector (without Insulation)

Sr. No.	Lugs / Connector Details			Conductor Details		Crimping Tool / Die details	
	LUG SIZE SQ. MM	Type of Lugs	Lugs Material	Conductor Material	Conductor Type	Model Number	Die Number
1	1.5	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	THD-10L	1.5
2	2.5	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	THD-10L	2.5
3	4	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	THD-10L	4
4	6	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	THD-10L	6
5	10	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	THD-10L	10
6	16	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	16
7	25	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	25
8	35	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	35
9	50	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	50
10	70	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	70
11	95	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	95
12	120	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	120
13	150	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	150
14	185	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	185
15	240	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	240
16	300	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TYQK-300	300
17	400	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TFYQ-1000	400
18	500	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TFYQ-1000	500
19	630	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TFYQ-1000	630
20	800	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TFYQ-1000	800
21	800	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TFYQ-1000	800
22	1000	LUG	COPPER/ALUMINIUM	COPPER/ALUMINIUM	SOLID, STRANDED	TFYQ-1000	1000

RAW MATERIAL SPECIFICATION

COPPER

RAW MATERIAL GRADE:

Electrolytic Copper Grade as per BS 1977/IS 191

CONDUCTIVITY : 99.25% IACS

CHEMICAL COMPOSITION :

Copper + Silver - 99.9%

Bismuth max - 0.001%

Lead max - 0.005%

Impurities - 0.003%

RESISTIVITY :

2 0.017% ohm mm /m at 20°C

PHYSICAL PROPERTIES:

1. Tensile Strength

(Above 0.5 mm thick) :205 MPa Min

2. Hardness :60 Hv (RF) Min.

ALUMINIUM

RAW MATERIAL GRADE:

Electrolytic as per IS 5082

CONDUCTIVITY : 60% IACS

CHEMICAL COMPOSITION :

Aluminium - 99.5%

Copper max - 0.04%

Silicon - 0.15%

Iron max - 0.35%

Titanium - 0.02%

Magnesium -

Zirconium - 0.02% each

TENSILE STRENGTH : 60 MPa Min

RESISTIVITY : 2.87 Micro Ohm. cm

B) PROCESS INSPECTION

SR. NO.	PRODUCT / PROCESS	PARAMETERS CHECKED	TYPE / METHOD & INSTRUMENTS OF INSPECTION	ACCEPTANCE	STANDARD VALUES
I	Copper & Aluminium Tubular Terminal End				
(a)	Cutting	Length	Verniers	As per drawing	Design dimension
(b)	Punching	Palm Width	Vernier	-	DO
(c)	Holing	Stud Hole	Vernier/Go & NoGo Gauges	-	DO
(d)	Stamping	Stamp marking	Visual	-	DO
(e)	Serrations		Visual	-	DO
(f)	Champhering	Bell Mouth on Barrel	Visual	-	DO
II	Ferrules and in-line Connectors	Length Diameter Serrations	Vernier Vernier/Go & NoGo Gauges Visual	- - -	DO DO DO
III	Ring Tongue & Pin Type, Fork Type, Snap On Type Terminals				
(a)	Cutting	Blank piece	Visual/Vernier		DO
(b)	Holing / Stamping	Stud Hole/ Stamp marking	Visual/Vernier Go & NoGo Gauges	As per drawing	Design dimension
(c)	'O' Bending	Barrel Dia	Vernier/Go & NoGo Gauges		DO
(d)	Champhering / Serrations	Bell Mouth on barrel	Visual		DO
(e)	Soldering	Solder finish	Visual		DO
IV	Reducers or Wire Pin Terminals				
(a)	Cutting	Length	Vernier	-	DO
(b)	Turning	Diameter	Vernier	-	DO
(c)	Drilling	Inner-Dia	Vernier	-	DO
(d)	Champhering	Bell Mouth on Barrel	Visual	-	DO

C) FINISHED GOODS

SR. NO.	PRODUCT / PROCESS	PARAMETERS CHECKED	TYPE / METHOD & INSTRUMENTS OF INSPECTION	ACCEPTANCE	STANDARD VALUES
I	Copper & Aluminium Tubular Terminal End	Dimensions	Tol: +5%	IS 8309	-
		a) Diameter of Barrel	NoGo Gauges	DO	-
		b) Stud hole	DO	DO	-
		c) Palm width	DO	DO	-
		d) Barrel length	DO	DO	-
		Conductivity	Conductivity Meter	DO	99.25% I.A.S.(Cu) 60% I. A. C. S. (Al)
		Tinning thickness (cu)	Tin coating thickness measurement M/C	DO	5M to 10M (Cu)
		Pull test	Tensile Testing M/C		40N/MM2
II	Inline Connector (Copper and Aluminium)	Millivolt drop	Voltage drop meter		Depends upon size of cable/lugs and nature of crimping
		Dimension	Tol: + 5%	IS 8308	-
		a) Diameter Aluminium)	Vernier/Go & NoGo Gauge	DO	
		b) Length	Vernier	DO	
		Conductivity	Conductivity Meter		99.25% (Cu)
		Tinning thickness (Cu)	Tinning thickness measurement M/C	IS 8337-1976	60% (AL) *5M to 10M (Cu)
		Pull test	Tensile Testing M/C	-	2 40N/MM
		Millivolt drop	Voltage Drop Meter	-	Depends on size of Cable/Lugs
III	Copper Pin Type Ring Tongue, Fork Type, Terminal End and Snap Type Terminal	Dimension	Tol: 5%	-	
		(a) Barrel Diameter	Vernier/Go & NoGo Gauges	-	-
		(b) Stud hole	DO	-	-
		(c) Palm width/diameter	DO	-	-
		(d) Barrel length	DO	-	99.25% I. A. C. S.
		Conductivity	Conductivity Meter		*5M to 10M (Cu)
		Tinning thickness)	Tin coating thickness measurement M/C	IS 8337-1976	
		Pull test	Tensile Testing M/C	-	40 N/mm I
IV	Reducers or Wire Pin Terminal	Millivolt drop	Voltage drop meter		Depends upon size of cable/lugs and nature of crimping
		Dimension	Vernier		
		Hardness	Hardness testing M/C	-	-
		Tinning Thickness	Tinning Thickness Measurement M/C	IS 613	65 RF (60 HV) 5M to 10M



BRASS CABLE GLANDS

INTRODUCTION TO CABLE GLANDS

Braco Cable Glands, vital mechanical cable entry devices constructed from metallic materials, find application across various industries, notably in electrical control panels, instrumentation, and automation systems.

KEY FUNCTIONS OF BRACO CABLE GLANDS:

- **Sealing and Terminating:** Ensures enclosure characteristics are maintained by sealing and terminating cables, encompassing power, control, instrumentation, data, and telecommunications cables. Cable Glands may facilitate earth continuity in the case of armoured cable when the cable gland has a metallic construction.
- **Environmental Protection:** Provides environmental protection by sealing on the outer cable sheath, safeguarding against dust and moisture ingress.
- **Earth Continuity:** Facilitates earth continuity, particularly for armored cables, when the cable gland has a metallic construction.
- **Pullout Resistance:** Offers a holding force on the cable to resist pullout adequately.
- **Ingress Protection:** Provides additional sealing and environmental protection, critical for high degrees of ingress protection.
- **Hazardous Areas:** When used in hazardous areas, cable glands are essential to maintaining equipment protection levels.

CONSIDERATIONS FOR CABLE GLAND SELECTION:

- Identify cable type, considering construction, size, and material properties.
- For armored cables, check armor type, material, and short circuit fault current rating.
- Verify dimensions, including inner bedding and lead covering diameters.
- Confirm overall cable diameter, armor/braid type and size, and any environmental requirements.
- Check for protective plating needs and cable entry hole specifications in electrical equipment.
- Consider entry thread seal, fixing accessories, earth tags, and shrouds tags requirements.
- While the Gland Selection Chart aids in cable gland choice, users must ensure the selected gland suits the cable type. Installation should be done by qualified personnel, adhering to safe electrical practices. The correct cable entry device or gland is crucial, especially for unarmored cables, considering factors like vulnerability and long-term performance. Braco is ready to assist in the selection and sizing process based on cable schedules, ensuring a seamless experience.

INSTALLATION INSTRUCTIONS FOR BRACO CABLE GLANDS FOR ARMoured CABLES

PREPARATION:

- Ensure the compatibility of the cable and gland in terms of size and specifications.
- Confirm that the cable gland matches the cable type and size.
- Verify that the cable is correctly stripped and prepared for termination.

SELECTING THE CABLE GLAND:

- Choose the appropriate size of the Braco Single Compression Cable Gland for the cable diameter.
- Ensure the gland material matches the environmental conditions.

POSITIONING:

- Identify the location for cable entry and gland installation.
- Ensure sufficient space for proper installation and maintenance.

INSTALLATION STEPS:

A] Single Compression Glands (BC / SIBG)

a. Prepare the Cable:

Cut and bend the armor of the cable to fit between the three metal washers provided in the gland body. Ensure that the armor is properly positioned and aligned for termination.

b. Insert the Cable:

Thread the cable through the gland body, ensuring that the rubber ring is placed first over the cable insulation.

Position the cable gland so that the rubber ring is correctly seated against the cable outer sheath.

c. Secure the Armor:

Ensure that the armor of the cable is placed between the three metal washers in the gland body.

Tighten the compression nut securely onto the gland body using appropriate tools, ensuring a firm grip on the armor.

d. Final Check:

Inspect the installation to ensure that all components are properly aligned and tightened.

Confirm that the cable gland is securely fixed to the cable and gland plate, if applicable.

B] Single / Double Compression Glands for Un-Armoured Cables (BPT/BPFT/BCT/PG)

a. Prepare the Cable:

Strip the cable insulation to expose the required length of inner cores.

Clean and deburr the cable to remove any sharp edges.

b. Insert the Cable:

Thread the cable through the gland body, ensuring that the outer seal and inner seal are in place over the cable insulation.

Position the cable gland so that the outer seal is correctly seated against the cable outer sheath.

c. First Compression:

Tighten the sealing nut located near the entry of the cable gland onto the gland body using appropriate tools. This ensures the initial compression of the cable sheath and outer seal.

d. Final Sealing:

Verify that the outer seal and inner seal are properly seated within the gland body to provide a watertight seal.

Check that the flat washer is in place between the gland barrel and check nut to prevent moisture ingress.

e. Tighten Checknut:

Securely tighten the checknut onto the gland body using appropriate tools to ensure a firm and secure connection.

f. Final Check:

Inspect the installation to ensure that all components are properly aligned and tightened.

Confirm that the cable gland is securely fixed to the cable and gland plate, if applicable.

A] Double Compression Glands for Armoured Cables (BPW/BPF/SSW/SSF)

a. Prepare the Cable:

Strip the cable insulation to expose the required length of inner cores and armor.

Clean and deburr the cable to remove any sharp edges.

b. Insert the Cable:

Thread the cable through the gland body, ensuring that the outer seal and inner seal are in place over the cable insulation.

Position the cable gland so that the outer seal is correctly seated against the cable outer sheath.

c. First Compression:

Tighten the sealing nut located near the entry of the cable gland onto the gland body using appropriate tools. This ensures the initial compression of the cable sheath and outer seal.

d. Locking the Armor:

Insert the armor of the cable through the gland body, ensuring it passes through the clamping ring and armor cone.

Tighten the check nut located near the end of the cable gland onto the gland body using appropriate tools, firmly securing the armor.

e. Final Sealing:

Verify that the outer seal and inner seal are properly seated within the gland body to provide a watertight seal.

Check that the flat washer is in place between the gland barrel and check nut to prevent moisture ingress.

f. Final Check:

Inspect the installation to ensure that all components are properly aligned and tightened.

Confirm that the cable gland is securely fixed to the cable and gland plate, if applicable.

Testing:

Perform a visual inspection to ensure there are no signs of damage or loose connections.

Conduct electrical testing, if required, to verify the integrity of the cable termination.

Documentation:

Keep detailed records of the cable gland installation, including the date, location, and any relevant specifications.

Label the cable gland with appropriate identification for future reference.

Maintenance:

Periodically inspect the cable gland for signs of damage, corrosion, or loosening.

Ensure that the gland remains properly sealed and tightened to maintain its effectiveness over time.

Following these installation instructions will help ensure the reliable and safe termination of Braco Cable Glands.

SELECTION OF BRACO GLANDS BASED ON POLYCAB CABLES 1100 VOLTS L.T.

Cable Construction Details			Single Comp.	Flange Type	Double Comp. / Flame proof	Single Comp. SIBG	
Size Sq.mm	Overall Dia/mm	U/Armour Dia/mm	Braco Ref.	Braco Ref.	Braco Ref.	SIBG Ref.	Rubber Ref.

1 CORE POWER CABLES

4	11	6	3/8"	5	001S	1216	R-1210
6	12	7	3/8"	5	001S	1216	R-1211
10	13	8	1/2"	5	01S	1616	R-1611
16	14	9	1/2"	5	01S	1616	R-1613
25	15	10	1/2"	5	01S	1616	R-1613
35	16	11	5/8"	5	01S	1616, 1619	R-1615
50	18	13	3/4"	4	01	2119, 2125	R-2116
70	20	14.5	1"	3	02	2125	R-2120
95	21	16	1"	2	03	2125	R-2120
120	22	17	1"	2	03	2125	R-2120
150	24	19	1-1/8"	2	04	2925, 2932	R-2925
185	26	21	1-1/4"	1	04	2932	R-2925
240	29	24	1-1/4"	1	05	2932, 2938	R-2927
300	32	27	1-3/8"	11	06	3638	R-3631
400	36	31	1-1/2"	00	07	3638	R-3635
500	40	34	1-3/4"	38	08	4251	R-4238
630	44	28.5	1-3/4"	001	09	4251	R-4242
800	48	42	2"	002	010	5451	R-5446
1000	53	46	2-1/4"	003	011	5463	R-5450

2 CORE POWER CABLES

1.5	12.5	7.5	3/8"	5	001S	1216	R-1211
2.5	13.5	8.5	1/2"	5	01S	1616	R-1613
4	15	9.5	1/2"	5	01S	1616	R-1613
6	16	10.5	5/8"	5	01S	1616, 1619	R-1615
10	18	12.5	3/4"	4	1	2119, 2125	R-2116
16	18	13	3/4"	4	1	2119, 2125	R-2116
25	20	15	1"	3	2	2125	R-2120
35	21.5	16.5	1"	2	3	2125	R-2120

Cable Construction Details			Single Comp.	Flange Type	Double Comp. / Flame proof	Single Comp. SIBG	
Size Sq.mm	Overall Dia/mm	U/ Armour Dia/mm	Braco Ref.	Braco Ref.	Braco Ref.	SIBG Ref.	Rubber Ref.

2 CORE POWER CABLES

50	24.5	19.5	1-1/8"	2	04	2925, 2932	R-2925
70	28	23	1-1/4"	1	05	2932, 2938	R-2927
95	31	24	1-3/8"	11	06	2932	R-2929
120	33	28	1-3/8"	0	06	3638	R-3633
150	37	31	1-1/2"	00	07	3638	R-3637
185	40.5	34.5	1-3/4"	38	08	4251	R-4238
240	45	38	2"	002	09	4251	R-4242
300	50	43	2-1/4"	002	010	5451	R-5448
400	56	49	2-1/2"	003	011	6063	R-6055
500	62.5	55	2-3/4"	0033	012	6063	R-6060

3 CORE POWER CABLES

1.5	12.5	7.5	3/8"	5	001S	1216	R-1211
2.5	14	9	1/2"	5	01S	1616	R-1613
4	15.5	10.5	5/8"	5	01S	1616, 1619	R-1615
6	17	12	3/4"	4	01	1616, 1619	R-1615
10	19	14	7/8"	4	02	2119, 2125	R-2118
16	20	15	1"	3	02	2125	R-2120
25	22	17	1"	2	03	2125	R-2120
35	25	20	1-1/4"	1	04	2932, 2938	R-2925
50	27	22	1-1/4"	1	05	2932, 2938	R-2925
70	31	26	1-3/8"	11	06	2932	R-2929
95	34	29	1-1/2"	0	07	3638	R-3633
120	38	32.5	1-1/2"	0	08	3638	R-3637
150	42	36	1-3/4"	38	09	4251	R-4240
185	46	40	2"	002	09	4251	R-4244
240	52	45.5	2-1/4"	003	010	5463	R-5450
300	56.5	50	2-1/2"	003	011	6063	R-6055
400	64	57	2-3/4"	0033	012	6675	R-6662
500	72	64	3"	004	013	7882	R-7870

SELECTION OF BRACO GLANDS BASED ON POLYCAB CABLES 1100 VOLTS L.T.

Cable Construction Details			Single Comp.	Flange Type	Double Comp. / Flame proof	Single Comp. SIBG	
Size Sq.mm	Overall Dia/mm	U/ Armour Dia/mm	Braco Ref.	Braco Ref.	Braco Ref.	SIBG Ref.	Rubber Ref.

3.5 CORE POWER CABLES

25	23.5	18.5	1-1/8"	2	04	2925, 2932	R-2923
35	26	21	1-1/4"	1	04	2932	R-2925
50	30	25	1-1/4"	1	05	2932, 2938	R-2929
70	32.5	27.5	1-3/8"	11	06	3638	R-3631
95	36.5	31	1-1/2"	0	07	3638	R-3635
120	40.5	35	1-3/4"	38	08	4,251	R-4238
150	44	38	1-3/4"	001	09	4,251	R-4242
185	50	43	2-1/4"	002	010	5451	R-5448
240	55	48	2-1/4"	003	011	6063	R-6053
300	61	54	2-3/4"	0033	012	6063	R-6060
400	68	60	3"	004	013S	7,882	R-7868
500	75	67	3-1/4"	004	013	7882	R-7870

4 CORE POWER CABLES

1.5	15	10	1/2"	5	01S	1616	R-1613
2.5	16.5	11.5	3/4"	5	01	1616, 1619	R-1615
4	18	13	3/4"	4	01	2119, 2125	R-2116
6	19.5	14.5	7/8"	3	02	2119, 2125	R-2118
10	20	15	1"	3	02	2125	R-2120
16	23	18	1-1/8"	2	04	2925, 2932	R-2923
25	24	19	1-1/8"	2	04	2925, 2932	R-2925
35	27	22	1-1/4"	1	05	2932, 2938	R-2925
50	31	25	1-3/8"	11	06	2932	R-2929
70	35	29	1-1/2"	0	07	3638	R-3635
95	38	32	1-1/2"	00	08	3638	R-3637
120	42	36	1-3/4"	38	09	4251	R-4240
150	46	40	2"	002	09	4251	R-4244
185	51	44	2-1/4"	002	010	5451	R-5448
240	58	51	2-1/2"	003	011	6063	R-6058
300	66	59	2-3/4"	0033	012	6675	R-6664
400	72	64	3"	004	013	7882	R-7870
500	80	72	3-1/2"	005	014	8490	R-8480

Cable Construction Details			Single Comp.	Flange Type	Double Comp. / Flame proof	Single Comp. SIBG	
CORE	Overall Dia/mm	U/ Armour Dia/mm	Braco Ref.	Braco Ref.	Braco Ref.	SIBG Ref.	Rubber Ref.

1.1 KV 1.5 SQ.MM (CONTROL CABLES)

2	13.5	8	1/2"	5	01S	1616	R-1613
3	14	8.5	1/2"	5	01S	1616	R-1613
4	15	9.5	1/2"	5	01S	1616	R-1613
5	15.5	10	5/8"	5	01S	1616, 1619	R-1615
6	16	10.5	5/8"	5	01S	1616, 1619	R-1615
7	16.5	11	3/4"	5	01	1616, 1619	R-1615
10	19	13	7/8"	4	02	2119, 2125	R-2118
12	19.5	15	7/8"	3	02	2119, 2125	R-2118
14	20	15	1"	3	02	2125	R-2120
16	21	16	1"	2	03	2125	R-2120
19	22	17	1"	2	03	2125	R-2120
24	25	20	1-1/4"	1	04	2932, 2938	R-2925
30	26.5	21.5	1-1/4"	1	05	2932, 2938	R-2925
37	28	23	1-1/4"	1	05	2932, 2938	R-2927
61	35	29.5	1-1/2"	0	07	3638	R-3635

1.1 KV 2.5 SQ.MM (CONTR-OL CABLES)

2	14.5	9	1/2"	5	01S	1616	R-1613
3	15.5	10	5/8"	5	01S	1616, 1619	R-1615
4	16.5	11	3/4"	5	01	1616, 1619	R-1615
5	17.5	12	3/4"	4	01	1616, 1619	R-1615
6	18.5	13	7/8"	4	01	2119, 2125	R-2118
7	18.5	13	7/8"	4	01	2119, 2125	R-2118
10	21	16	1"	2	03	2125	R-2120
12	22	17	1"	2	03	2125	R-2120
14	23	18	1-1/8"	2	04	2925, 2932	R-2923
16	24	19	1-1/8"	2	04	2925, 2932	R-2925
19	25	20	1-1/4"	1	04	2932, 2938	R-2925
24	29	24	1-1/4"	1	05	2932, 2938	R-2927
30	30.5	25	1-3/8"	11	06	2932	R-2929
37	33	27.5	1-3/8"	0	06	3638	R-3633
61	41	35.5	1-3/4"	38	08	4251	R-4238

SELECTION OF BRACO GLANDS BASED ON POLYCAB CABLES XLPE H.T.

Nominal Size of Conductor	O.D. Flat / Round Amour	U/ Armoured	Single Comp. H.D.	Flange Type	Double Comp. / Flame proof	Single Comp. SIBG	
			Braco Ref.	Braco Ref.	Braco Ref.	SIBG Ref.	Rubber Ref.
1.9 / 3.3 KV (E) & 3.3 / 3.3 KV (UE) HT XLPE THREE CORE							
35	F-37	32	1-1/2"	00	07	3638	R-3637
	R-40.5	32.5	1-3/4"	38	08 R2	4251	R-4238
50	F-39.5	34	1-3/4"	38	08	4251	R-4238
	R-42.5	34.5	1-3/4"	38	09 R2	4251	R-4240
70	F-44	38.5	1-3/4"	001	09	4251	R-4242
	R-47	38.5	2"	002	010 R2	5451	R-5444
95	F-47.5	42	2"	002	010	5451	R-5446
	R-51.5	42	2-1/4"	002	010 R2.5	5451	R-5448
120	F-51.5	45.5	2-1/4"	002	010	5451	R-5448
	R-55.5	46	2-1/2"	003	011 R2.5	6063	R-6055
150	F-54.5	48.5	2-1/4"	003	011	6063	R-6053
	R-58.5	48.5	2-1/2"	003	012 R2.5	6063	R-6055
185	F-59	52.5	2-1/2"	003	012	6063	R-6055
	R-63	52	2-3/4"	0033	012 R2.5	6,675	R-6662
240	F-64.5	58.5	2-3/4"	0033	012	6,675	R-6662
	R-68	57	3"	004	013R2.5	7882	R-7868
300	F-70	63	3"	004	138	7882	R-7868
	R-75	63	3-1/4"	004	013 R3.2	7882	R-7870
400	F-76.5	69	3-1/4"	005	014	7,882	R-7874
	R-82	69	3-1/2"	005	014 R3.2	8940	R-8480
3.8 / 6.6 KV (E) HT XLPE SINGLE CORE							
35	F-21	16	1"	2	03	2125	R-2120
	R- 22.5	16.5	1"	2	03	2125	R-2120
50	F-22	17	1"	2	03	2125	R-2120
	R- 23.5	17.5	1-1/8"	2	04	2925, 2932	R-2923
70	F-24	19	1-1/8"	2	04	2925, 2932	R-2925
	R- 25.5	19.5	1-1/4"	1	04	2932, 2938	R-2925
95	F-25.5	20.5	1-1/4"	1	04	2932, 2938	R-2925
	R- 27	21	1-1/4"	1	05	2932, 2938	R-2925
120	F-27	22	1-1/4"	1	05	2932, 2938	R-2925
	R- 29	23	1-1/4"	1	05	2932, 2938	R-2927
150	F-28.5	23.5	1-1/4"	1	05	2932, 2938	R-2927
	R- 30.5	24	1-3/4"	11	06	2932	R-2929
185	F-31	25.5	1-3/8"	11	06	2932	R-2929
	R- 32.5	26	1-3/8"	11	06	3638	R-3631
240	F-33	27.5	1-3/8"	11	06	3638	R-363
	R- 35.5	28	s	0	07R2	3638	R-3635
300	F-36	30.5	1-1/2"	0	07	3638	R-3635
	R- 38	30.5	1-1/2"	0	08R2	3638	R-3637
400	F-40	34.5	1-3/4"	38	08	4251	R-4238
	R- 42.5	36.5	1-3/4"	38	09R2	4251	R-4240
500	F-43.5	37.5	1-3/4"	38	09	4251	R-4242
	R- 46.5	38.5	2"	002	010 R2	5451	R-5444
630	F-47.5	41.5	2"	002	010	5451	R-5446
	R- 50	42	2-1/4"	002	010 R2	5451	R-5448
800	F-51	45	2-1/4"	002	010	5451	R-5448
	R- 55	45.5	2-1/4"	003	011 R2.5	6063	R-6053
1000	F-56.5	50	2-1/2"	003	011	6063	R-6055
	R- 60.5	50.5	2-3/4"	0033	012 R2.5	6063	R-6058

Nominal Size of Conductor	O.D. Flat/ Round Amour	U/ Armoured	Single Comp. H.D.	Flange Type	Double Comp. / Flame proof	Single Comp. SIBG	
			Braco Ref.	Braco Ref.	Braco Ref.	SIBG Ref.	Rubber Ref.
3.8 / 6.6 KV (E) HT XLPE THREE CORE							
35	F-40	34.5	1-3/4"	38	08	4251	R-4238
	R-43	35	1-3/4"	38	09 R2	4251	R-4240
50	F-42.5	37	1-3/4"	38	09	4251	R-4240
	R-45.5	37	2"	002	09 R2	4251	R-4242
70	F-47	41.5	2"	002	010	5451	R-5444
	R-49.5	41	2-1/4"	002	010 R2	5451	R-5446
95	F-50.5	45	2-1/4"	002	010	5451	R-5448
	R-54	44.5	2-1/4"	003	011 R2.5	6,063	R-6053
120	F-55	49	2-1/4"	003	011	6063	R-6053
	R-58.5	48.5	2-1/2"	003	012 R2.5	6063	R-6055
150	F-58	51.5	2-1/2"	003	011	6063	R-6055
	R-61	51	2-3/4"	0033	012 R2.5	6063	R-6060
185	F-62	55.5	2-3/4"	0033	012	6063	R-6060
	R-66	55	2-3/4"	0033	012 R2.5	6675	R-6664
240	F-67.5	61	2-3/4"	004	013S	7882	R-7866
	R-73	61	3"	004	013 R3.2	7882	R-7870
300	F-73.5	66.5	3"	004	013	7882	R-7870
	R-78.5	66.5	3-1/4"	005	014 R3.2	7882	R-7874
400	F-82	74	3-1/2"	005	014	8940	R-8480
	R-89	74	4"	006	015 R4	8940	R-8484
6.35 / 11 KV (E) HT XLPE THREE CORE							
35	F-42.5	37	1-3/4"	38	09	4251	R-4240
	R-45.5	37	2"	002	09 R2	4251	R-4242
50	F-46	40.5	2"	002	09	4251	R-4244
	R-49.5	40	2-1/4"	002	010R2.5	5451	R-5446
70	F-49	43.5	2-1/4"	002	010	5451	R-5446
	R-52.5	43	2-1/4"	003	010R2.5	5463	R-5450
95	F-53	47	2-1/4"	003	011	5463	R-5450
	R-56.5	46.5	2-1/2"	003	011 R2.5	6063	R-6055
120	F-56	49.5	2-1/2"	003	011	6063	R-6055
	R-59.5	49.5	2-1/2"	003	012R2.5	6063	R-6055
150	F-59	52.5	2-1/2"	003	012	6063	R-6055
	R-63	52	2-3/4"	0033	012R2.5	6675	R-6662
185	F-63	56.5	2-3/4"	0033	012	6675	R-6662
	R-68	56	3"	004	013SR3.2	7882	R-7868
240	F-68	61	3"	004	013S	7882	R-7868
	R-73	61z	3"	004	013 R3.2	7882	R-7870
300	F-73	65.5	3"	004	013	7882	R-7870
	R-78	65	3-1/4"	005	014R3.2	7882	R-7874
400	F-80	72	3-1/2"	005	014	8490	R-8476
	R-86.5	71.5	4"	006	015 R4	8940	R-8480
11 - 11 / 11 KV (UE) HT XLPE SINGLE CORE							
70	F-30	24.5	1-1/4"	1	05	2932, 2938	R-2929
	R-31.5	25	1-3/8"	11	06	2932	R-2929
95	F-32	26.5	1-3/8"	11	06	3638	R-3631
	R-34	26.5	1-1/2"	0	07 R2	3638	R-3633
120	F-33.5	28	1-3/8"	00	06	3638	R-3633
	R-36	28.5	1-1/2"	0	07 R2	3638	R-3635
150	F-35	29.5	1-1/2"	0	07	3638	R-3635
	R-37	29.5	1-1/2"	00	07 R2	3638	R-3637
185	F-37	31.5	1-1/2"	00	07	3638	R-3637
	R-39	31.5	1-3/4"	38	08 R2	4251	R-4238
240	F-39	33.5	1-3/4"	38	08	4251	R-4238
	R-42	34	1-3/4"	38	09 R2	4251	R-4240
300	F-41.5	35.5	1-3/4"	38	09	4251	R-4238
	R-44	36	1-3/4"	001	09 R2	4251	R-4242
400	F-45	39	2"	002	09	4251	R-4242
	R-47.5	39	2"	002	010 R2	5451	R-5446
500	F-48	42	2"	002	010	5451	R-5446
	R-52	42.5	2-1/4"	003	010 R2.5	5463	R-5450
630	F-51.5	44.5	2-1/4"	002	010	5451	R-5448
	R-55	45.5	2-1/4"	003	011 R2.5	6063	R-6053
800	F-56	49.5	2-1/2"	003	011	6063	R-6055
	R-60	50	2-3/4"	0033	012 R2.5	6063	R-6058
1000	F-61	54.5	2-3/4"	0033	012	6063	R-6060
	R-65	54	2-3/4"	0033	012 R2.5	6675	R-6662

SELECTION OF BRACO GLANDS BASED ON POLYCAB CABLES XLPE H.T.

Nominal Size of Conductor	O.D. Flat / Round Amour	U/ Armoured	Single Comp. H.D.	Flange Type	Double Comp. / Flame proof	Single Comp. SIBG	
			Braco Ref.	Braco Ref.	Braco Ref.	SIBG Ref.	Rubber Ref.
11 - 11 / 11 KV (UE) HT XLPE THREE CORE							
70	F-58	51.5	2-1/2"	003	011	6063	R-6055
	R-61.5	50.5	2-3/4"	0033	012 R2.5	6063	R-6060
95	F-62	55.5	2-3/4"	0033	012	6063	R-6060
	R-66.5	54.5	2-3/4"	0033	013S R3.2	7882	R-7866
120	F-65	58.5	2-3/4"	0033	012	6675	R-6662
	R-70	58	3"	004	013S R3.2	7882	R-7868
150	F-68.5	61.5	3"	004	013S	7882	R-7868
	R-73	61	3"	004	013 R3.2	7882	R-7870
185	F-71.5	64	3"	004	013	7882	R-7870
	R-77	64	3-1/4"	005	014 R3.2	7882	R-7874
240	F-77	69	3-1/4"	005	014	7882	R-7874
	R-82	67	3-1/2"	005	014 R3.2	8940	R-8480
300	F-81.5	73	3-1/2"	005	014	8940	R-8480
	R-88	73	4"	006	015 R4	8940	R-8484
400	F-88	79	4"	006	015	8,940	R-8484
	R-94.5	79	4"	006	016 R4	9210	R-9292
12.7 / 22 KV (E) HT XLPE SINGLE CORE							
95	F-33	28	1-3/8"	0	06	3638	R-3633
	R-36	28.5	1-1/2"	00	07R2	3638	R-3635
120	F-35	30	1-1/2"	0	07	3638	R-3635
	R-37.5	30	1-1/2"	00	08R2	3638	R-3637
150	F-36	31	1-1/2"	0	07	3638	R-3635
	R-39	31.5	1-3/4"	38	08R2	4251	R-4238
185	F-38	33	1-1/2"	00	08	3638	R-3637
	R-41	33	1-3/4"	38	08R2	4251	R-4238
240	F-40.5	35.5	1-3/4"	38	08	4251	R-4238
	R-43	35	1-3/4"	38	09R2	4251	R-4240
300	F-43	37.5	1-3/4"	38	09	4251	R-4240
	R-45	37	2"	002	09R2	4251	R-4242
400	F-47	41.5	2"	002	010	5451	R-5444
	R-49	40.5	2-1/4"	002	010 R2	5451	R-5446
500	F-50	44.5	2-1/4"	002	010	5451	R-5448
	R-53.5	44	2-1/4"	003	011 R2.5	5463	R-5450
630	F-54	48	2-1/4"	003	011	6063	R-6053
	R-57	47.5	2-1/2"	003	011 R2.5	6063	R-6055
800	F-58	52	2-1/2"	003	011	6063	R-6055
	R-61	51	2-3/4"	0033	012 R2.5	6063	R-6060
1000	F-62.5	56	2-3/4"	0033	012	6063	R-6060
	R-66	58	2-3/4"	0033	012 R2.5	6675	R-6664
19 / 33 KV (E) HT XLPE THREE CORE							
95	F-77	69	3-1/4"	005	014	7882	R-7874
	R-82	69	3-1/2"	005	014 R3.2	8940	R-8480
120	F-80.5	72.5	3-1/2"	005	014	8940	R-8480
	R-86.5	71.5	4"	006	015 R4	8940	R-8480
150	F-83.5	75	3-1/2"	006	015	8940	R-8480
	R-90	75	4"	006	015 R4	9210	R-9288
185	F-87	78.5	4"	006	015	8940	R-8480
	R-93	78	4"	006	016 R4	9210	R-9288
240	F-91.5	83	4"	006	015	9210	R-9288
	R-98	83	4"	006	016 R4	1011	R-1094
300	F-96	87.5	4"	006	016	9210	R-9292
	R-102	87	4-1/2"	007	017 R4	1011	R-1094
400	F-102.5	94	4-1/2"	007	017	1011	R-1094
	R-109	94	5"	008	017 R4	1525	R-1502
33 / 33 KV (E) HT XLPE SINGLE CORE							
120	F-43	37.5	1-3/4"	38	9	4251	R-4240
	R-45.5	37.5	2"	002	09 R2	4251	R-4242
150	F-44.5	39	2"	002	9	4251	R-4242
	R-47.5	39	2"	002	010 R2	5451	R-5446
185	F-46.5	41	2"	002	010	5451	R-5444
	R-49.5	41	2-1/4"	002	010 R2	5451	R-5446
240	F-49.5	44	2-1/4"	002	010	5451	R-5446
	R-53	43.5	2-1/4"	003	011 R2.5	5463	R-5450
300	F-51.5	46	2-1/4"	002	010	5451	R-5448
	R-55	45.5	2-1/4"	003	011 R2.5	6063	R-6053
400	F-55	49	2-1/4"	003	011	6063	R-6053
	R-58.5	48.5	2-1/2"	003	012 R2.5	6063	R-6055
500	F-58	52	2-1/2"	003	011	6063	R-6055
	R-62	52	2-3/4"	0033	012 R2.5	6063	R-6060
630	F-61.5	55	2-3/4"	0033	012	6063	R-6060
	R-66.5	54.5	2-3/4"	0033	012 R2.5	6675	R-6662
800	F-66	59.5	2-3/4"	0033	012	6675	R-6664
	R-71	59	3"	004	013S R3.2	7882	R-7868
1000	F-71	64	3"	004	013S	7882	R-7868
	R-76	64	3-1/4"	005	013 R3.2	7882	R-7874

Nominal Size of Conductor	O.D. Flat / Round Amour	U/ Armoured	Single Comp. H.D.	Flange Type	Double Comp. / Flame proof	Single Comp. SIBG	
			Braco Ref.	Braco Ref.	Braco Ref.	SIBG Ref.	Rubber Ref.
12.7 / 22 KV (E) HT XLPE THREE CORE							
95	F-64	57.5	2-3/4"	0033	012	6675	R-6662
	R-69	57	3"	004	013S R3.2	7882	R-7868
120	F-67.5	60.5	2-3/4"	004	013S	7882	R-7866
	R-72	60	3"	004	013S R3.2	7882	R-7870
150	F-70.5	63	3"	004	013S	7882	R-7868
	R-75.5	63.5	3-1/4"	005	013 R3.2	7882	R-7874
185	F-74	66.5	3"	004	13	7882	R-7870
	R-79	66	3-1/4"	005	014 R3.2	7882	R-7874
240	F-79	71	3-1/4"	005	014	7882	R-7874
	R-85.5	70.5	3-1/2"	006	015 R4	8940	R-8480
300	F-83.5	75	3-1/2"	006	015	8940	R-8480
	R-90	75	4"	006	015 R4	9210	R-9288
400	F-90.5	82	4"	006	015	9210	R-9288
	R-96.5	81.5	4"	006	016 R4	9210	R-9292
19 / 33 KV (E) HT XLPE SINGLE CORE							
95	F-39	34	1-3/4"	38	08	4251	R-4238
	R-41.5	33.5	1-3/4"	38	09 R2	4251	R-4238
120	F-41	33.5	1-3/4"	38	08	4251	R-4238
	R-43	35	1-3/4"	38	09 R2	4251	R-4240
150	F-42.5	36.5	1-3/4"	38	09	4251	R-4240
	R-44.5	36.5	2"	002	09 R2	4251	R-4242
185	F-44.5	39	2"	002	09	4251	R-4242
	R-47	38.5	2"	002	010 R2	5451	R-5444
240	F-47	41.5	2"	002	010	5451	R-5444
	R-49.5	41	2-1/4"	002	010 R2	5451	R-5446
300	F-49	43.5	2-1/4"	002	010	5451	R-5446
	R-52	42.5	2-1/4"	003	010 R2	5463	R-5450
400	F-52.5	46	2-1/4"	003	010	5463	R-5450
	R-55	45.5	2-1/4"	003	011 R2	6063	R-6053
500	F-56	49.5	2-1/2"	003	011	6063	R-6055
	R-60	50	2-3/4"	0033	012 R2.5	6063	R-6058
630	R-60	53.5	2-3/4"	0033	012	6063	R-6058
	R-63	52	2-3/4"	0033	012 R2.5	6675	R-6662
800	F-64	57.5	2-3/4"	0033	012	6675	R-6662
	R-67	56	2-3/4"	0033	013S R2.5	7882	R-7866
1000	F-69	62.5	3"	004	013S	7882	R-7868
	R-72.5	60.5	3"	004	013 R2.5	7882	R-7870
33/33 KV (E) HT XLPE 3 CORE							
120	F-83.5	75	3-1/2"	006	015	8940	R-8480
	R-90	75	4"	006	015 R4	9210	R-9288
150	F-86.5	78	4"	006	015	8940	R-8480
	R-93	78	4"	006	016 R4	9210	R-9288
185	F-89.5	81	4"	006	015	8940	R-8484
	R-96	81	4"	006	016 R4	9210	R-9292
240	F-94.5	86	4"	006	016	9210	R-9292
	R-101	86	4-1/2"	007	016 R4	1011	R-1094
300	F-98.5	90	4-1/2"	007	016	1011	R-1094
	R-105	90	4-1/2"	007	017 R4	1525	R-1500
400	F-105	96	4-1/2"	007	017	1525	R-1500
	R-112	97	5"	008	017 R4	1525	R-1506

NOTE

- The Selection above is for reference purpose only, the same is based on Polycab make latest ISI Cables.
- For the perfect size selection please check the actual construction details of Cable i.e. Overall Diameter, Under Armour Diameter & Type of Armour Flat or Round & Its dimension.
- Select the material of glands other then brass for Atmosphere Protection & Tpe ingress protection required.

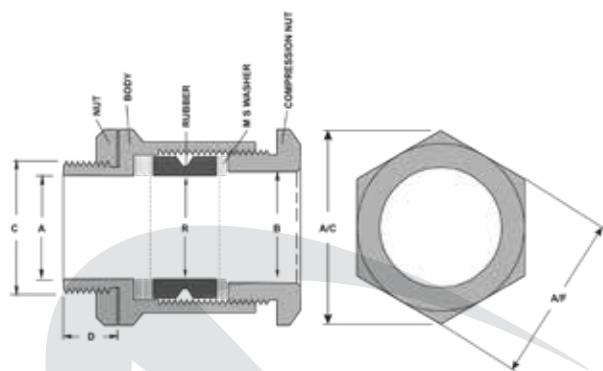
SINGLE COMPRESSION BRASS CABLE GLANDS: THE ULTIMATE CABLE PROTECTION SOLUTION

Crafted from precision-machined brass castings, our cable glands guarantee optimal performance and durability. Nickel-plated for enhanced corrosion resistance during storage and usage, these glands adhere to the IS/BS/IEC standards. Each gland features a Brass Body with nipple, Compression nut, Check nut, Rubber Ring, and three metal washers, meticulously detailed in the functional drawing.



Designed to withstand the elements, our glands are weatherproof and dust-tight, with built-in provisions for cable earthing. Available in various sizes, they accommodate cables up to 1000 sq.mm. and control cables up to 61 cores. The entry thread on the gland body is typically threaded according to BS-31 (BSC Threads), with the flexibility to accommodate special thread requirements upon request. Additionally, custom plating options such as cadmium, tin, or passivated finishes are available upon request.

Experience unparalleled cable protection with Braco Single Compression Brass Cable Glands- your trusted solution for every application.



Parts	
Description	Material
➤ Compression Nut (CAP)	Brass
➤ Gland Body	Brass
➤ Three Metal Washers	M 3 Washer
➤ Rubber Ring	Nitrile Rubber
➤ Check Nut	Brass
➤ Thread	ET / Metric / NPT (Without check nut)
➤ IP Rating	IP-60
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Nickel Plated

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1

BRACO CAT NO.	C	B	A	A/F	A/C	D	R	CABLE ACCEPTANCE DIA (MM)	
BC-3/8"	1/2"	14	12	19	21.8	6	8	9	13.5
BC-1/2"L	5/8"	15	13	21	23.5	6.5	12	10	14.5
BC-1/2"H	5/8"	15	13	21	23.5	7.5	12	10	14.5
BC-5/8"L	3/4"	15	15	21	23.5	7	12	10	14.5
BC-5/8"H	3/4"	15	15	21	23.5	8	12	10	14.5
BC-3/4"L	3/4"	17.5	15	23	26	8	14	14	17
BC-3/4"H	3/4"	17.5	15	23	26	9	14	14	17
BC-7/8" L	3/4"	20	15	25	29	8	16	17	19.5
BC-7/8"H	3/4"	20	15	25	29	9	16	17	19.5
BC-1"L	1"	23.5	21.5	29	33	8	20	19.5	23
BC-1"H	1"	23.5	21	29	34.5	10	20	19.5	23
BC-1"S	3/4"	23.5	15	29	33	8	18	19.5	23
BC-1-1/8"	1-1/8"	28	25	34	39	10.5	25	23	27
BC-1-1/4"	1-1/4"	31.5	27	36.5	42	10.5	27	27	30
BC-1-3/8"	1-3/8"	35.5	31	42	49	10.5	31	30	34
BC-1-1/2"	1-1/2"	39	34	45	52	10.5	33	34	38
BC-1-3/4"	1-3/4"	45	40	51	59	11.5	39	38	44
BC-2"	2"	51.5	45	59	68	11.5	44	44	50
BC-2-1/4"	2-1/4"	58	52	64	73	11.5	52	48	54
BC-2-1/2"	2-1/2"	62.5	58	69	80	13	58	54	61
BC-2-3/4"	2-3/4"	70	65.5	77	89	13.5	65	61	68
BC-3"	3"	76	69.5	86	96	13.5	70	68	74
BC-3-1/4"	3-1/4"	82	75	91	105	15	75	74	80
BC-3-1/2"	3-1/2"	88	82	101	116	15	80	80	86
BC-4"	4"	100	92.5	110	127	20	86	86	98
BC-4-1/2"	4-1/2"	108	102	127	145	23	90	98	105

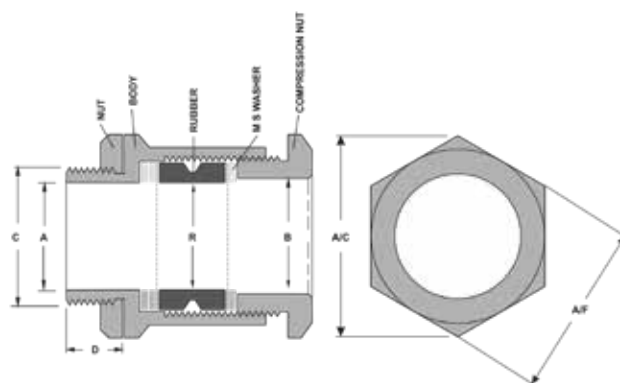
SINGLE COMPRESSION SIBG GLANDS: YOUR TRUSTED SOLUTION FOR ROBUST CABLE MANAGEMENT

Crafted with precision from premium brass and fortified with nickel plating, these glands offer unparalleled protection for cables of all types. Each SIBG Gland adheres to IS/BS/IEC standards, featuring a sturdy brass body, compression nut, check nut, rubber ring, and three metal washers.

Weatherproof, dust-tight, and with provisions for earthing armored cables, they ensure uncompromising safety in any environment. Available in various sizes for cables up to 1000 sq. mm. and control cables with up to 61 cores, Braco Glands can be customized with special threads and plating finishes to suit specific project needs.



Parts	
Description	Material
➤ Compression Nut (CAP)	Brass
➤ Gland Body	Brass
➤ Three Metal Washers	M S Washer
➤ Rubber Ring	Nitrile Rubber
➤ Check Nut	Brass
➤ Thread	ET / MM / NPT (Without check nut)
➤ IP Rating	IP-60
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Nickel Plated



Applicable Standard: IS 12943 / IEC-62444 / BS 6121: PART 1

BRACO CAT NO.	C	B	A	A/F	A/C	D	R	RUBBER REF.	CABLE ACCEPTANCE DIA (MM)	
SIBG-1612	12	16	12	22	25.5	9	8	R-1208	5	8
SIBG-1616	16	19	12	25	28.5	9	11	R-1611	9	11
SIBG-1619	19	19	15	25	28.5	9	13	R-1613	10	13
							15	R-1615	12	15
SIBG-2119	19	23	15	30	34	9.5	16	R-2116	13	16
SIBG-2125	25.4	23	21	30	34	9.5	18	R-2118	15	18
							20	R-2120	17	20
SIBG-2925	25.4	33	21	40	45	10	21	R-2921	18	21
SIBG-2932	32	33	27	40	45	10	23	R-2923	20	23
SIBG-2938	38	33	32	43	50	10	25	R-2925	21	25
							27	R-2927	23	27
							29	R-2929	25	29
SIBG-3638	38	41	32	49	56	11	33	R-3633	29	33
							35	R-3635	31	35
							37	R-3637	33	37
SIBG-4251	51	47	44.5	59	68	11	38	R-4238	34	38
							40	R-4240	36	40
							42	R-4242	38	42
SIBG-5451	51	56	44.5	68	78	12	44	R-5444	40	44
SIBG-5463	63.5	56	55	68	78	12	46	R-5446	41	46
							48	R-5448	43	48
							50	R-5450	45	50
SIBG-6063	63.5	64	55	76	87	12	53	R-6053	48	53
							55	R-6055	50	55
							58	R-6058	53	58
							60	R-6060	55	60
SIBG-6675	76	72	66	85	98	13	62	R-6662	57	62
							64	R-6664	59	64
							68	R-6668	63	68
SIBG-7882	82	82	72	95	110	15	70	R-7870	65	70
							74	R-7874	69	74
							77	R-7877	72	77

DOUBLE COMPRESSION GLANDS: ENGINEERED FOR SUPERIOR PERFORMANCE AND RELIABILITY

Crafted from high-grade brass rods/castings and meticulously machined to precise specifications, these glands are nickel-plated to resist corrosion, ensuring longevity during storage and use.

Featuring two moisture-proof seals, Braco Double Compression Glands are designed to withstand a variety of climatic conditions. They are weatherproof and waterproof, offering exceptional protection. When paired with a PVC shroud, they excel even in corrosive environments.

The inclusion of an armor cone and ring ensures excellent mechanical and electrical connections, guaranteeing reliable performance conforming to IS/BS/IEC standards.

Trust Braco for premium-quality cable management solutions. With Braco Double Compression Glands, experience unparalleled durability and performance for your electrical installations.

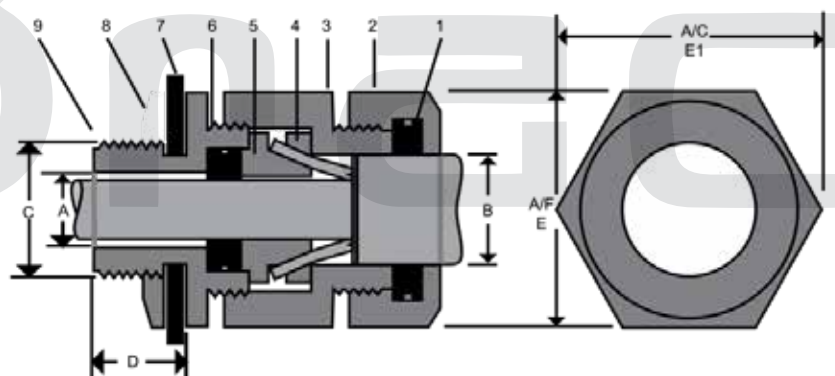


Parts	
Parts	Description
➤	Outer Seal
➤	Sealing Nut
➤	Gland Body
➤	Clamping Ring
➤	Armour Clamp
➤	Inner Seal
➤	Flat Washer
➤	Check Nut
➤	Gland Barrel
➤	Thread
➤	IP Rating
➤	Operating Temperature
➤	Finish



Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1



DOUBLE COMPRESSION GLANDS: ENGINEERED FOR SUPERIOR PERFORMANCE AND RELIABILITY

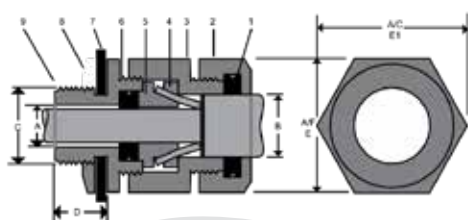
BRACO CAT.No.	B	A	A/F E	A/C E1	Nipple thread Inch C			D	Acceptable Cable OD (mm)	
					ET	MM	NPT		Above	Upto
BPW-3/8"	13	11	21	24	5/8"	M-16	1/2" NPT	12	8	12
BPW-1/2"	15	11	21	24	5/8"	M-16	1/2" NPT	12	8	13
BPW-001S	14	13	21	24	3/4"	M-20	1/2" NPT	12	8	13
BPW-5/8"	17	14	23	26	3/4"	M-20	1/2" NPT	15	11	15
BPW-001	17	14	24	27.5	3/4"	M-20	1/2" NPT	15	12.5	16.5
BPW-01S	17.5	14	25	29	3/4"	M-20	1/2" NPT	15	12.5	16.5
BPW-01	20	14	27	31	3/4"	M-20	1/2" NPT	15	15	18
BPW-01L	20	15	27	31	1"	M-25	3/4" NPT	15	15	18
BPW-02	20.5	18	30.5	35.5	1"	M-25	3/4" NPT	15	18	20
BPW-02S	20.5	14	30.5	35.5	3/4"	M-20	1/2" NPT	15	18	20
BPW-03	23	18	30.5	35.5	1"	M-25	3/4" NPT	15	20	23
BPW-1"	23	20	30.5	35.5	1"	M-25	3/4" NPT	15	20	23
BPW-04	28	20	37	43	1"	M-25	3/4" NPT	15	23	26
BPW-04L	28	24	37	43	1-1/4"	M-32	1" NPT	15	23	26
BPW-05	31	25	41	47	1-1/4"	M-32	1" NPT	15	26	30
BPW-05L	31	26	41	47	1-1/2"	M-40	1-1/4" NPT	15	26	30
BPW-06	34	31	47	54.5	1-1/2"	M-40	1-1/4" NPT	15	30	33
BPW-06S	34	24	47	54.5	1-1/4"	M-32	1" NPT	15	30	33
BPW-07	39	33	51	59	1-1/2"	M-40	1-1/4" NPT	15	33	37
BPW-08	43	38	54	62	2"	M-50	1-1/2" NPT	15	37	41
BPW-09	47	40	56	65	2"	M-50	1-1/2" NPT	15	41	46
BPW-010	53	44	66	76.5	2"	M-50	1-1/2" NPT	20	46	52
BPW-010L	53	50	66	76.5	2-1/2"	M-63	2" NPT	20	46	52
BPW-011	61	56	80	92	2-1/2"	M-63	2" NPT	20	52	60
BPW-012	68	64	84	97	3"	M-75	2-1/2" NPT	20	60	66
BPW-013S	73	67	90	104	3"	M-75	2-1/2" NPT	20	66	72
BPW-013	79	75	98	113	3-1/4"	M-82	3" NPT	20	72	78
BPW-014	85	78	103	119	3-1/2"	M-90	3" NPT	20	78	83
BPW-015	98	91	112	129	4"	M-100	3-1/2" NPT	24	83	93
BPW-016	106	100	125	144	4-1/2"	M-115	4" NPT	25	93	104

DOUBLE COMPRESSION FLAMEPROOF GLANDS: RELIABLE ARMoured CABLE PROTECTION

Crafted from brass rods/castings and machined with precision to exact specifications, these glands are nickel-plated for corrosion resistance during storage and use.

Featuring two moisture-proof seals, Braco Double Compression Flameproof Glands are engineered to endure diverse climatic conditions. They are weatherproof, waterproof, and Flameproof, and when shielded by a PVC shroud, they excel in corrosive environments.

Certified by the Central Institute of Mining and Fuel Research, Dhanbad, and BIS certified, these glands meet stringent quality standards. Additionally, they are PESO approved, ensuring compliance with safety regulations.



Parts

Description	Material
➤ Outer Seal	Nitrile/ Neoprene Rubber
➤ Sealing Nut	Brass
➤ Gland Body	Brass
➤ Clamping Ring	Brass
➤ Armour Clamp	Brass
➤ Inner Seal	Nitrile/ Neoprene Rubber
➤ Flat Washer	Nitrile/ Neoprene Rubber
➤ Check Nut	Brass
➤ Gland Barrel	Brass
➤ Thread	ET/Metric/NPT (Without check nut)
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Nickel Plated

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1/ IS/IEC 60079:PART-1

Certified by : Central Institute of Mining & Fuel Research



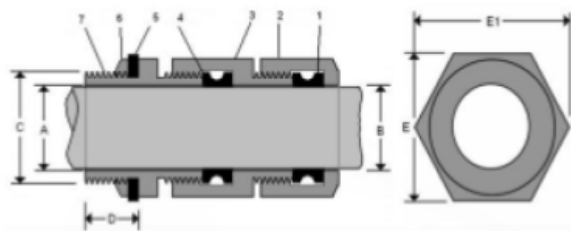
BRACO CAT.No.	B	A	A/F E	A/C E1	Nipple thread Inch C			D	Acceptable Cable OD (mm)	
					ET	MM	NPT		Above	Upto
BPF-3/8"	13	11	21	24	5/8"	M-16	1/2" NPT	25	8	12
BPF-1/2"	15	11	21	24	5/8"	M-16	1/2" NPT	25	8	13
BPF-001S	14	13	21	24	3/4"	M-20	1/2" NPT	25	8	13
BPF-5/8"	17	14	23	26	3/4"	M-20	1/2" NPT	25	11	15
BPF-01S	17.5	14	25	29	3/4"	M-20	1/2" NPT	25	12.5	16.5
BPF-01	20	14	27	31	3/4"	M-20	1/2" NPT	25	15	18
BPF-01 L	20	15	27	31	1"	M-25	3/4" NPT	25	15	18
BPF-02	20.5	18	30.5	35.5	1"	M-25	3/4" NPT	25	18	20
BPF-02S	20.5	14	30.5	35.5	3/4"	M-20	1/2" NPT	25	18	20
BPF-03	23	18	30.5	35.5	1"	M-25	3/4" NPT	25	20	23
BPF-1"	23	20	30.5	35.5	1"	M-25	3/4" NPT	25	20	23
BPF-04	28	20	37	43	1"	M-25	3/4" NPT	25	23	26
BPF-04L	28	24	37	43	1-1/4"	M-32	1" NPT	25	23	26
BPF-05	31	25	41	47	1-1/4"	M-32	1" NPT	25	26	30
BPF-05L	31	26	41	47	1-1/2"	M-40	1-1/4" NPT	25	26	30
BPF-06	34	31	47	54.5	1-1/2"	M-40	1-1/4" NPT	25	30	33
BPF-06S	34	24	47	54.5	1-1/4"	M-32	1" NPT	25	30	33
BPF-07	39	33	51	59	1-1/2"	M-40	1-1/4" NPT	25	33	37
BPF-08	43	38	54	62	2"	M-50	1-1/2" NPT	25	37	41
BPF-09	47	40	56	65	2"	M-50	1-1/2" NPT	25	41	46
BPF-010	53	44	66	76.5	2"	M-50	1-1/2" NPT	25	46	52
BPF-010L	53	50	66	76.5	2-1/2"	M-63	2" NPT	25	46	52
BPF-011	61	56	80	92	2-1/2"	M-63	2" NPT	25	52	60
BPF-012	68	64	84	97	3"	M-75	2-1/2" NPT	25	60	66
BPF-013S	73	67	90	104	3"	M-75	2-1/2" NPT	25	66	72
BPF-013	79	75	98	113	3-1/4"	M-82	3" NPT	25	72	78
BPF-014	85	78	103	119	3-1/2"	M-90	3" NPT	25	78	83
BPF-015	98	91	112	129	4"	M-100	3-1/2" NPT	25	83	93
BPF-016	106	100	125	144	4-1/2"	M-115	4" NPT	25	93	104

DOUBLE COMPRESSION THROUGH GLANDS: TAILORED FOR UNARMORED/FLEXIBLE CABLES

Specially designed in accordance with IS/BS/IEC standards, these glands cater to unarmored/flexible cables. Primarily manufactured from brass, they are also available in SS304/316 and Aluminum variants to suit diverse requirements.

Featuring two rubber seals, these glands ensure a secure grip on the cable outer sheath. Brass glands are nickel-plated for corrosion resistance, while SS and Aluminum variants undergo treatment with an ultrasonic bath for enhanced durability.

With IP protection up to IP-66 levels, Braco Double Compression Through Glands guarantee reliable cable management solutions suitable for diverse climatic conditions. Trust Braco for quality and performance in cable management.



Parts	
Description	Material
➤ Outer Seal	Nitrile / Neoprene Rubber
➤ Sealing Nut	Brass
➤ Gland Body	Brass
➤ Inner Seal	Nitrile / Neoprene Rubber
➤ Flat Washer	Nitrile / Neoprene Rubber
➤ Check Nut	Brass
➤ Gland Barrel	Brass
➤ Thread	ET/Metric/NPT (Without check nut)
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Nickel Plated

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1

Through Type for Unarmoured Cables.



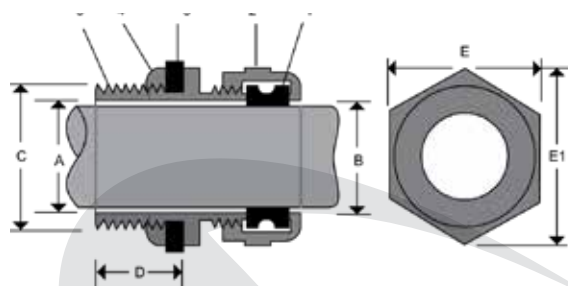
BRACO CAT.No.	B	A	A/F E	A/C E1	Nipple thread Inch C		D	Acceptable Cable OD (mm)	
					ET/ MM	NPT		Above	Upto
BPT-001SS	11	11	22	25	3/4"	1/2" NPT	12	5	10
BPT-001S	14	14	22	25	3/4"	1/2" NPT	12	10	13.5
BPT-001	15	15	24	27.5	3/4"	1/2" NPT	12	11	14.5
BPT-01 S	16	16	25	29	22mm	3/4" NPT	12	12	16
BPT-01 L	20	19	28	31	1"	3/4" NPT	15	14	18
BPT-02	20.5	20.5	30	35	1"	3/4" NPT	15	18	20
BPT-03SP	23	23	32	36.5	28mm	1" NPT	15	20	23
BPT-04L	28	27	37	43	1-1/4"	1" NPT	15	23	26
BPT-05 L	31	31	41	47	1-1/2"	1-1/4" NPT	20	26	30
BPT-06SP	35	34	47	54	40mm	1-1/4" NPT	20	30	33
BPT-07 SP	39	37	52	59	42mm	1-1/4" NPT	20	33	36
BPT-08	43	43	55	63	2"	1-1/2" NPT	20	36	41
BPT-09	47	45	57	66	2"	1-1/2" NPT	20	41	44
BPT-010L	54	54	67	77	2-1/2"	2" NPT	20	44	52
BPT-011S	56	56	70	81	2-1/2"	2" NPT	20	52	55
BPT-011L	61	60	80	92	70mm	2-1/2" NPT	20	55	60
BPT-012	68	67	84	97	3"	2-1/2" NPT	20	60	66
BPT-013SL	73	72	90	103	3-1/4"	3" NPT	20	66	72
BPT-013	79	78	99	113	3-1/2"	3" NPT	20	72	78
BPT-014	85	84	105	118	3-3/4"	3" NPT	20	78	83
BPT-015	95	94	113	128	4"	3-1/2" NPT	20	83	93
BPT-016	106	105	125	140	4-1/2"	4" NPT	20	93	104

SINGLE COMPRESSION THROUGH GLANDS: TAILORED FOR UNARMORED/FLEXIBLE CABLES

Crafted specifically for unarmored/flexible cables in accordance with IS/BS/IEC standards, these glands are engineered for reliability. Primarily made from brass, they are also available in SS304/316 and Aluminum variants to suit diverse requirements.

Featuring a single rubber seal, these glands ensure a secure grip on the cable outer sheath. Brass glands are nickel-plated for corrosion resistance, while SS and Aluminum variants undergo treatment with an ultrasonic bath for added durability.

With IP protection up to IP-66 levels, Braco Single Compression Through Glands offer peace of mind for reliable cable management in various climatic conditions. Trust Braco for quality and performance in cable management.



Parts	
Description	Material
➤ Outer Seal	Nitrile / Neoprene Rubber
➤ Sealing Nut	Brass
➤ Flat Washer	Nitrile / Neoprene Rubber
➤ Check Nut	Brass
➤ Gland Barrel	Brass
➤ Thread	ET / Metric / NPT (Without check nut)
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Nickel Plated

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1

Through Type for Unarmoured Cables.

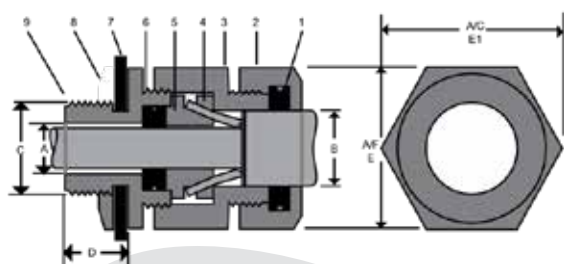


BRACO CAT.No.	B	A	A/F E	A/C E1	Nipple thread C	D	Above	Upto
BCT-001SS	11	14	22	25	3/4"	12	5	10
BCT-001S	14	14	22	25	3/4"	12	10	13.5
BCT-001	15	15	24	27.5	3/4"	12	11	14.5
BCT-01 L	20	19	28	31	1"	15	14	18
BCT-02	20.5	20.5	30	35	1"	15	18	20
BCT-03 SP	23	23	32	36.5	28mm	15	20	23
BCT-04 L	28	27	37	43	1-1/4"	15	23	26
BCT-05 L	31	31	41	47	1-1/2"	20	26	30
BCT-06 SP	35	34	47	54	40mm	20	30	33
BCT-07 SP	39	37	52	59	42mm	20	33	36
BCT-08	43	43	55	63	2"	20	36	41
BCT-09	47	45	57	66	2"	20	41	44
BCT-010 L	54	54	67	77	2-1/2"	20	44	52
BCT-011S	56	56	70	81	2-1/2"	20	52	55
BCT-011 L	61	60	80	92	70mm	20	55	60
BCT-012	68	67	84	97	3"	20	60	66
BCT-013S L	73	72	90	103	3-1/4"	20	66	72
BCT-013	79	78	99	113	3-1/2"	20	72	78
BCT-014	85	84	105	118	3-3/4"	20	78	83
BCT-015	95	94	113	128	4"	20	83	93
BCT-016	106	105	125	140	4-1/2"	20	93	104

DOUBLE COMPRESSION STAINLESS STEEL GLANDS: VERSATILE ARMoured CABLE PROTECTION

Meticulously crafted from Grade SS304/316 stainless steel and precisely machined to exact sizes, these glands offer unparalleled durability and performance. With two moisture-proof seals, they excel in diverse climatic conditions, providing weatherproof and waterproof protection. When paired with a PVC shroud, they excel even in corrosive environments.

These glands boast IP protection up to IP-66 levels and comply with IS/BS/IEC standards. Trust Braco for premium-quality stainless steel cable management solutions.



Parts

Description	Material
➤ Outer Seal	Nitrile/Neoprene Rubber
➤ Sealing Nut	SS304/316
➤ Gland Body	SS304/316
➤ Clamping Ring	SS304/316
➤ Armour Clamp	SS304/316
➤ Inner Seal	Nitrile/Neoprene Rubber
➤ Flat Washer	Nitrile/Neoprene Rubber
➤ Check Nut	SS304/316
➤ Gland Barrel	SS304/316
➤ Thread	ET / Metric / NPT (Without check nut)
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Natural Finish

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1



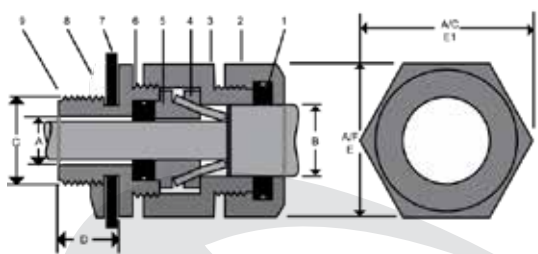
BRACO CAT.No.	B	A	A/F E	A/C E1	Nipple thread Inch C			D	Acceptable Cable OD (mm)	
					ET	MM	NPT		Above	Upto
SSW-3/8"	13	11	22	25	5/8"	M-16	1/2" NPT	12	8	12
SSW-1/2"	14	11	22	25	5/8"	M-16	1/2" NPT	12	8	13
SSW-001S	14	13	22	25	3/4"	M-20	1/2" NPT	15	8	14
SSW-5/8"	17	14	23	26	3/4"	M-20	1/2" NPT	15	11	15
SSW-001	17	14	24	27.5	3/4"	M-20	1/2" NPT	15	12.5	16.5
SSW-01S	17.5	14	24	27.5	3/4"	M-20	1/2" NPT	15	12.5	16.5
SSW-01	18.5	15	27	30	3/4"	M-20	1/2" NPT	15	15	18
SSW-01L	18.5	15	27	30	1"	M-25	3/4" NPT	15	15	18
SSW-02	20.5	16	30	35	1"	M-25	3/4" NPT	15	18	20
SSW-02S	20.5	14	30	35	3/4"	M-20	1/2" NPT	15	18	20
SSW-03	23	18	30	35	1"	M-25	3/4" NPT	15	20	23
SSW-04	27	20	35	41	1"	M-25	3/4" NPT	15	23	26
SSW-04L	27	24	35	41	1-1/4"	M-32	1" NPT	15	23	26
SSW-05	31	24	40	46	1-1/4"	M-32	1" NPT	15	26	30
SSW-05L	31	26	40	46	1-1/2"	M-40	1-1/4" NPT	15	26	30
SSW-06	34	31	47	53	1-1/2"	M-40	1-1/4" NPT	15	30	33
SSW-06S	34	24	47	53	1-1/4"	M-32	1" NPT	15	30	33
SSW-07	38	32	52	58	1-1/2"	M-40	1-1/4" NPT	15	33	37
SSW-08	42	38	56	64	2"	M-50	1-1/2" NPT	15	37	41
SSW-09	47	39	59	67	2"	M-50	1-1/2" NPT	15	41	46
SSW-010	53	44	67.5	77	2"	M-50	1-1/2" NPT	20	46	52
SSW-010L	53	50	67.5	77	2-1/2"	M-63	2" NPT	20	46	52
SSW-011	61	56	80	92	2-1/2"	M-63	2" NPT	20	52	60
SSW-012	68	64	85	98	3"	M-75	2-1/2" NPT	20	60	66
SSW-013S	73	64	99	113	3"	M-75	2-1/2" NPT	20	66	72
SSW-013	79	74	99	113	3-1/4"	M-82	3" NPT	20	72	78
SSW-014	84	78	105	118	3-1/2"	M-90	3" NPT	20	78	83
SSW-015	95	88	115	129	4"	M-100	3-1/2" NPT	20	83	93
SSW-016	106	100	125	140	4-1/2"	M-115	4" NPT	20	93	104

DOUBLE COMPRESSION FLAMEPROOF STAINLESS STEEL GLANDS: PRECISION-CRAFTED FOR UNMATCHED PERFORMANCE

Meticulously crafted from Grade SS 304/316 stainless steel and precisely machined to exact sizes, these glands offer superior durability and reliability. Available in a range of sizes, they accommodate cables up to 1000 sq. mm and control cables with up to 61 cores.

Certified by the Central Institute of Mining and Fuel Research, Dhanbad, and BIS certified, Braco Double Compression Glands ensure compliance with stringent quality standards.

Additionally, they are PESO approved, guaranteeing safety and reliability in hazardous environments. Trust Braco for premium-quality flameproof stainless steel cable management solutions.



Parts	
Description	Material
➤ Outer Seal	Nitrile/Neoprene Rubber
➤ Sealing Nut	SS304/316
➤ Gland Body	SS304/316
➤ Clamping Ring	SS304/316
➤ Armour Clamp	SS304/316
➤ Inner Seal	Nitrile/Neoprene Rubber
➤ Flat Washer	Nitrile/Neoprene Rubber
➤ Check Nut	SS304/316
➤ Gland Barrel	SS304/316
➤ Thread	ET/Metric/NPT (Without check nut)
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Natural Finish

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1/ IS / IEC 60079:PART-1

Material : SS304/SS316



BRACO CAT.No.	B	A	A/F E	A/C E1	Nipple thread Inch C			D	Acceptable cable OD (mm)	
					ET	MM	NPT		Above	Upto
SSF-3/8"	13	11	22	25	5/8"	M-16	1/2" NPT	25	8	12
SSF-1/2"	14	11	22	25	5/8"	M-16	1/2" NPT	25	8	13
SSF-001S	14	13	22	25	3/4"	M-20	1/2" NPT	25	8	14
SSF-5/8"	17	14	23	26	3/4"	M-20	1/2" NPT	25	11	15
SSF-01S	17.5	14	24	27.5	3/4"	M-20	1/2" NPT	25	12.5	16.5
SSF-01	18.5	15	27	30	3/4"	M-20	1/2" NPT	25	15	18
SSF-01L	18.5	15	27	30	1"	M-25	3/4" NPT	25	15	18
SSF-02	20.5	16	30	35	1"	M-25	3/4" NPT	25	18	20
SSF-02S	20.5	14	30	35	3/4"	M-20	1/2" NPT	25	18	20
SSF-03	23	18	30	35	1"	M-25	3/4" NPT	25	20	23
SSF-04	27	20	35	41	1"	M-25	3/4" NPT	25	23	26
SSF-04L	27	24	35	41	1-1/4"	M-32	1" NPT	25	23	26
SSF-05	31	24	40	46	1-1/4"	M-32	1" NPT	25	26	30
SSF-05L	31	26	40	46	1-1/2"	M-40	1-1/4" NPT	25	26	30
SSF-06	34	31	47	53	1-1/2"	M-40	1-1/4" NPT	25	30	33
SSF-06S	34	24	47	53	1-1/4"	M-32	1" NPT	25	30	33
SSF-07	38	32	52	58	1-1/2"	M-40	1-1/4" NPT	25	33	37
SSF-08	42	38	56	64	2"	M-50	1-1/2" NPT	25	37	41
SSF-09	47	39	59	67	2"	M-50	1-1/2" NPT	25	41	46
SSF-010	53	44	67.5	77	2"	M-50	1-1/2" NPT	25	46	52
SSF-010L	53	50	67.5	77	2-1/2"	M-63	2" NPT	25	46	52
SSF-011	61	56	80	92	2-1/2"	M-63	2" NPT	25	52	60
SSF-012	68	64	85	98	3"	M-75	2-1/2" NPT	25	60	66
SSF-013S	73	64	99	113	3"	M-75	2-1/2" NPT	25	66	72
SSF-013	79	74	99	113	3-1/4"	M-82	3" NPT	25	72	78
SSF-014	84	78	105	118	3-1/2"	M-90	3" NPT	25	78	83
SSF-015	95	88	115	129	4"	M-100	3-1/2" NPT	25	83	93
SSF-016	106	100	125	140	4-1/2"	M-115	4" NPT	25	93	104

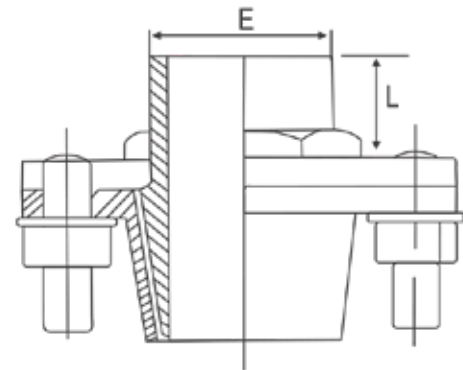
FLANGE TYPE CABLE GLANDS: PRECISION-CRAFTED FOR ARMoured CABLES

Meticulously crafted from brass castings and precisely machined to meet exact specifications, these mechanical glands are tailored for outdoor applications, specifically designed for Armoured cables.

Each gland features a brass body with an oval-shaped flange, accompanied by a plate clamped with galvanized mild steel studs and nuts for secure armor clamping. Additionally, tapered cone and nut components are provided for cable termination.

The tapered design of the cone and body ensures a firm grip on the cable armor, enhancing overall cable security. Trust Braco Flange Type Cable Glands for reliable cable termination and protection in outdoor environments.

- | | |
|----------------|--------------------|
| 1. Check Nut | 4. Taper Cone |
| 2. Gland Plate | 5. Galvanized Stud |
| 3. Gland Body | 6. Galvanized Nut |



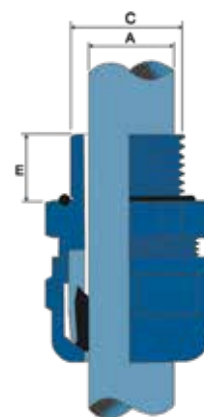
SECTION A-A

BRACO CAT NO.	MAX DIA OF CABLE		UNDER ARMOUR DIA	THREAD LENGTH	ACCEPTANCE	
	E	B			MIN	MAX
FL-5	16	16.5	12	13	12	16.5
FL-4	19	19	15	13	15	19
FL-3	19	20.5	15	13	18.5	20.5
FL-2	25	24.5	21	14	20.5	24.5
FL-1	31	30.5	28	15	24	30
FL-11	31	34	28	15	29.5	34
FL-0	35	35	31	15	32.5	35
FL-00	37.5	38	33.5	15	34.5	38
FL-38	42	43	37.5	15	37	42
FL-001	49	48	44	15	40.5	45
FL-002	53.5	52	48	15	45	52
FL-003	60	59	55	15	51	58
FL-0033	65	64.5	60	15	56.5	64
FL-004	75	74	67	20	64	74
FL-005	100	85	90	22.5	74	85

NYLON CABLE GLANDS PG TYPE (PG & METRIC THREADS)

Braco Nylon PG type Glands are suitable for unarmoured, plastic or rubber sheathed cables. These glands are made from Nylon PA-66 grade.

These Glands provide IP protection upto IP-68 levels. The Claws and seals of excellent design, sealing nut have a click sound and reopen can hold cable firmly and have a wider cable Range. Resistant to salt water, Weak acid, Alcohol, Oil Grease and Common Solvency.



Parts	
Description	Material
➤ Check Nut	Polyamide
➤ Flat Washer	EPDM
➤ Gland Body	Polyamide
➤ Inner Seal	EPDM
➤ Sealing Cap	Polyamide
➤ Colour	RAL 7035 For PG RAL 7011 For Metric
➤ Thread	PG/Metric
➤ IP Rating	IP-68
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Nylon PA-66 grade

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1



BRACO CAT NO.	Cable OD Range	Thread OD	Thread Length	Hex Dimension
		C	E	
PPG-7	3-6.5	12.5	8	16
PPG-9	4-8	15.2	8	19
PPG-11	5-10	18.6	8	22
PPG-13.5	6-12	20.4	10	24
PPG-16	10-14	22.5	10	27
PPG-19	12-16	24.0	10	27
PPG-21	13-18	28.3	10	33
PPG-25	16-21	30.0	11	35
PPG-29	18-25	37.0	12	42
PPG-36	22-32	47	14	52
PPG-42	32-38	54	14	60
PPG-48	37-44	59.3	15	64
PPG-63	42-50	71	28	77

BRACO CAT NO.	Cable OD Range	Thread OD	Thread Length	Hex Dimension
		C	E	
PPGM-12 x 1.5	3-6.5	M12	8	16
PPGM-16 x 1.5	4-8	M16	8	19
PPGM-20 x 1.5	6-12	M20	10	24
PPGM-25 x 1.5	13-18	M25	10	33
PPGM-32 x 1.5	16-21	M32	11	35
PPGM-40 x 1.5	22-32	M40	14	52
PPGM-50 x 1.5	32-38	M50	14	60
PPGM-63 x 1.5	37-44	M63	15	64

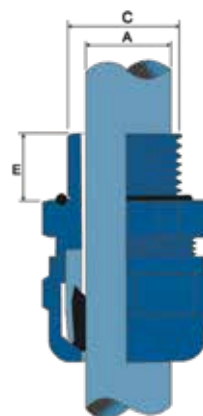
BRASS CABLE GLANDS PG TYPE (PG & METRIC THREADS)

Braco Brass PG type Glands are suitable for unarmoured, plastic or rubber sheathed cables. These glands are made from Brass with Nickel Plated.

These Glands provide IP Protection upto IP-68 levels. Polyamide Claws with EPDM Rubber can hold cable firmly and have a wider cable Range. Resistant to salt water, Weak acid, Alcohol, Oil Grease and Common Solvency.



Parts	
Description	Material
➤ Check Nut	Brass
➤ Flat Washer	EPDM
➤ Gland Body	Brass
➤ Insert	Polyamide
➤ Inner Seal	EPDM
➤ Sealing Cap	Brass
➤ Thread	PG/Metric
➤ IP Rating	IP-68
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Nickel Plated



Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1



BRACO CAT NO.	Cable OD Range	Thread OD	Thread Length	Hex Dimension
		C 1	C2	
BPG-7	3-6.5	12.5	6	14
BPG-9	4-8	15.2	7	17
BPG-11	5-10	18.6	7	20
BPG-13.5	6-12	20.4	7.5	22
BPG-16	10-14	22.5	7.5	24
BPG-21	13-18	28.3	8	30
BPG-29	18-25	37	9	40
BPG-36	22-32	47	9	50
BPG-42	32-38	54	10	57
BPG-48	37-44	59.3	11	64
BPG-63	42-50	72	15	80

BRACO CAT NO.	Cable OD Range	Thread OD	Thread Length	Hex Dimension
		C 1	C2	
BPGM-12 x 1.5	3-6.5	M12	6	14
BPGM-16 x 1.5	4-8	M16	7	17
BPGM-20 x 1.5	6-12	M20	7.5	22
BPGM-25 x 1.5	12-16	M25	8	27
BPGM-32 x 1.5(2)	16-21	M32	9	35
BPGM-40 x 1.5(2)	18-28	M40	9	45
BPGM-50 x 1.5(2)	26-36	M50	10	57
BPGM-63 x 1.5(2)	36-48	M63	11	68
BPGM-75S x 1.5(2)	48-54	M75	15	80
BPGM-75L x 1.5(2)	54-62	M75	15	80



BRASS CABLE GLANDS (Export Series)

GLAND SLECTION CHART

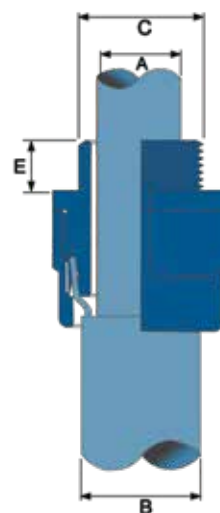
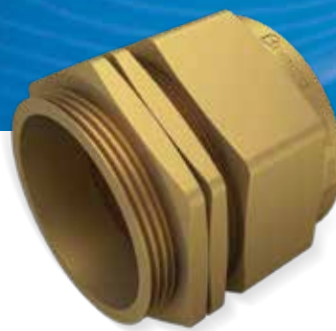
Gland selection chart is provided for customers for easy selection of Glands according to the Cable Sizes. Though the Information presented in Gland selection Chart is intended to assist users, It is recommended that Users should verify actual cable OD before ordering glands



"Cable Size Conductor"	Number of Cores													
Nom. Area mm2	1	2	3	3.5	4	5	7	10	12	19	27	37	48	
1.5	-	-	16	16	-	20 S	20 S	20 S	20	20	25 S	25	32	32
2.5	-	-	20 S	20 S	-	20 S	20	20	25 S	25 S	25	32	32	40
4	-	-	20 S	20	-	20	20	25 S	25	32	32	40	-	-
6	-	-	20	20	-	20	SIZE: SOLID ALUMINIUM CONDUCTORS PVC INSULATED STEEL WIRE ARMOUR AND PVC SHEATHED OVERALL"							
10	-	-	20	25 S	-	25 S								
16	-	-	25 S	25 S	-	25								
25	16	-	25 S	25	32	32 S								
35	16	-	25	32	32	32								
50	25	25 S	32	32	40	40 S	"Nom. Area of Conductor mm2"	600/1000 Volt				900/3300 Volt		
70	35	25 S	32	40	40	40		No. of Cores				No. of Cores		
95	50	25	40	40	50 S	50 S		1	2	3	4	1	3	
120	70	32	40	50 S	50	50	16	-		20	20	25 S	-	32
150	70	32	50 S	50	50	63 S	25	-		25 S	25	25	-	32
185	95	32	50	50	63 S	63	35	-		25 S	25	32	-	32
240	120	40	50	63 S	63	75 S	50	-	20	25	32	32	25 S	40
300	150	40	63 S	63	75 S	75	70	-	25 S	32	32	40	25 S	40
300	185	-	-	-	75	-	95	-	25 S	32	40	50 S	25	50 S
400	185	50 S	63	75 S	90 S	90 S	120	-	25	-	50 S	50	25	50 S
500	-	50 S	-	-	-	-	150	-	25	-	50 S	50	32	50
630	-	50	-	-	-	-	185	-	25	-	50	63 S	32	50
800	-	63 S	-	-	-	-	240	-	32	-	63 S	63	32	63 S
1000	-	63	-	-	-	-	300	-	40	-	63	75 S	40	63
"Glands manufactured to BS6121:PT 1-1989 for use with PVC,SWA, PVC 600/1000V Cables to BS 6346:1989 Warning: This Chart is For Guidance Only. Actual Cable Dimensions Should be considered before making final selection as this may vary due to the manufacturing tolerances permitted in BS 6346:1989"							380	(4 x 95)	40	-	-	-	40	-
							480	(4 x 120)	50 S	-	-	-	50 S	-
							600	(4 x 150)	50 S	-	-	-	50 S	-
							740	(4 x 185)	50	-	-	-	50	-
							960	(4 x 240)	63 S	-	-	-	63 S	-
							1200	(4 x 300)	63	-	-	-	63	-

BW BRASS CABLE GLANDS: Reliable Armoured Cable Protection

Braco BW Brass Cable Glands adhere to IS/BS/IEC standards, ensuring compatibility with single wire armoured plastic or rubber-sheathed cables. Designed for mechanical cable retention and electrical continuity through armour wire termination, these glands are ideal for dry, indoor environments. For added protection against ingress, shrouds may be used with these glands. Trust Braco BW Brass Cable Glands for dependable armoured cable protection in indoor settings.



Parts	
Description	Material
➤ Sealing Nut	Brass
➤ Clamping Ring	Brass
➤ Gland Barrel	Brass
➤ Lock Nut	Brass
➤ Thread	Metric/BSC/NPT
➤ IP Rating	IP-30
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Natural Brass or Nickel Plated

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1

Glands are supplied with Pvc Shrouds and Earth Tag in Kit form

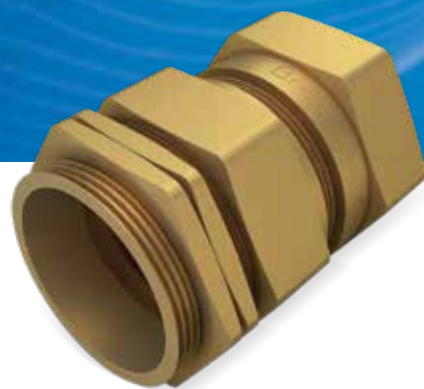


BRACO CAT NO.	ENTRY THREAD		CABLE ACCEPTANCE DETAIL			ACROSS FLAT	ACROSS CORNER
	DIA. C	LENGTH MINIMUM E	DIA MAX. A	DIA MAX. B	ARMOUR DIAMETER D		
BW-20S	20	9	11.60	16	0.90/1.25	21.50	24.50
BW-20L	20	9	14	20	0.90/1.25	24.20	27.30
BW-25S	25	9	19	24	1.25/1.60	30	33.60
BW-25L	25	10	20	27	1.25/1.60	30	34.40
BW-32S	32	10	24	30.50	1.60/2	36.50	40
BW-32L	32	10	26.20	33	1.60/2	36.50	42.30
BW-40S	40	11	30	37	1.60/2	44.50	50
BW-40L	40	11	32.50	41	1.60/2	46.50	52
BW-50S	50	13	40	47.50	2/2.50	55	62
BW-50L	50	13	44	52.60	2/2.50	59	66
BW-63S	63	14	51	60	2.5	69	76
BW-63L	63	13	55	66	2.5	73	82
BW-75S	75	13	62	72	2.5	83	94
BW-75L	75	13	67	78	2.5	86.30	98
BW-90S	90	20	74	84	2.50/3.15	94	104
BW-90L	90	20	79	90	2.50/3.15	105	118

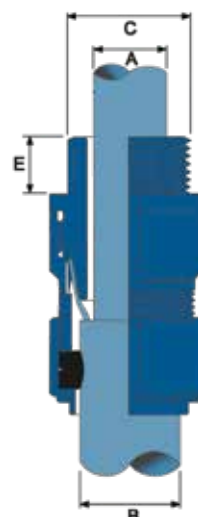
CW BRASS CABLE GLANDS: Versatile Armoured Cable Protection

Braco CW Brass Cable Glands comply with IS/BS/IEC standards, ensuring compatibility with single wire armoured plastic or rubber-sheathed cables. Designed to grip the sheath for enhanced sealing, these glands offer mechanical cable retention and ensure electrical continuity through armour wire termination.

Suitable for indoor and outdoor applications, Braco CW Brass Cable Glands are weatherproof and waterproof, making them ideal for use in various climatic conditions. Trust Braco CW Brass Cable Glands for reliable armoured cable protection in any environment.



Parts	
Description	Material
➤ Sealing Nut	Brass
➤ Outer Seal	Nitrile Rubber
➤ Clamping Ring	Brass
➤ Gland Body	Brass
➤ Gland Barrel	Brass
➤ Lock Nut	Brass
➤ Thread	Metric/BSC/NPT
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Natural Brass or Nickel Plated



Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1

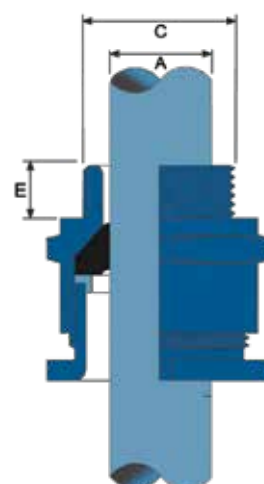
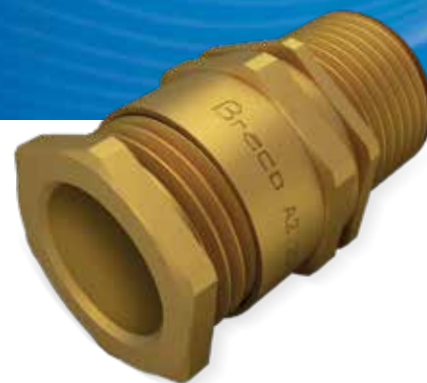
Glands are supplied with Pvc Shrouds and Earth Tag in Kit form



BRACO CAT NO.	ENTRY THREAD		CABLE ACCEPTANCE DETAIL			ACROSS FLAT	ACROSS CORNER
	DIA. C	LENGTH MINIMUM E	DIA MAX. A	DIA MAX. B	ARMOUR DIAMETER D		
CW-20S	20	10	11.60	16	0.90/1.25	22	25
CW-20L	20	10	14	20	0.90/1.25	25.40	28.50
CW-25S	25	10	19	24	1.25/1.60	30	33.60
CW-25L	25	10	20	27	1.25/1.60	33	37
CW-32S	32	10	24	30.50	1.60/2	38	43
CW-32L	32	10	26.20	33	1.60/2	40	45
CW-40S	40	11	30	37	1.60/2	44.50	50
CW-40L	40	11	32.50	41	1.60/2	46.50	52
CW-50S	50	13	40	47.50	2/2.50	55	62
CW-50L	50	13	44	52.60	2/2.50	59	66
CW-63S	63	14	51	60	2.50	69	76
CW-63L	63	14	55	66	2.50	73	82
CW-75S	75	15	62	72	2.50	83	94
CW-75L	75	15	67	78	2.50	87.60	99
CW-90S	90	20	74	84	2.50/3.15	94	104
CW-90L	90	20	79	90	2.50/3.15	105	118

A2 TYPE BRASS CABLE GLANDS: Versatile Cable Protection

Braco A2 Type Brass Cable Glands conform to IS/BS/IEC standards, making them compatible with unarmoured, plastic, or rubber-sheathed cables. These glands provide an outer seal joint, ensuring reliable protection for both indoor and outdoor applications. Trust Braco A2 Type Brass Cable Glands for versatile cable protection in any environment.

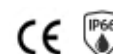


Parts	
Description	Material
➤ Sealing Cap	Brass
➤ Rubber Seal	Nitrile Rubber
➤ Ring Washer	Nylon
➤ Gland Body	Brass
➤ Lock Nut	Brass
➤ Thread	Metric/BSC/NPT
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Natural Brass or Nickel Plated

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1

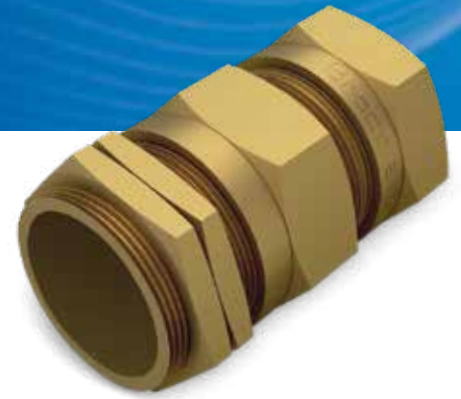
Glands are supplied with Pvc Shrouds and Earth Tag in Kit form



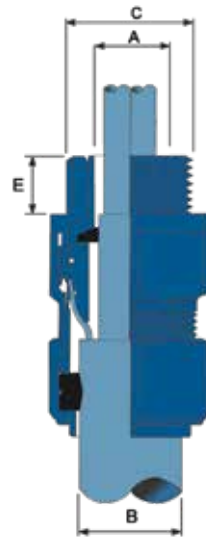
BRACO CAT NO.	ENTRY THREAD		CABLE ACCEPTANCE DETAIL	ACROSS FLAT	ACROSS CORNER
	DIA C	LENGTH MINIMUM E	DIA MAX. A		
A2-16L	16	10	3.5-9	21	24
A2-20S	20	15	8-12	22	25
A2-20L	20	15	11-14	24	27
A2-25S	25	15	12-17	27	30
A2-25L	25	15	13-20	30	33
A2-32S	32	15	16-23	40	44
A2-32L	32	15	19-26	40	44
A2-40S	40	15	23-29	50	55
A2-40L	40	15	25-33	50	55
A2-50S	50	15	31-38	55	61
A2-50L	50	15	36-44	59	65
A2-63S	63	15	42-50	66	72
A2-63L	63	15	48-56	72	78
A2-75S	75	15	54-62	80	87
A2-75L	75	15	60-68	83	93
A2-90L	90	15	66-77	103	114

E1W TYPE BRASS GLANDS: Reliable Cable Protection

Braco E1W Type Brass Glands adhere to IS/BS/IEC standards, ensuring compatibility with indoor and outdoor applications. Suitable for all types of SWA cable, these glands provide an environmental seal on both the cable inner and ensure electrical continuity via armour wire termination. Trust Braco E1W Type Brass Glands for dependable cable protection in any environment.



Parts	
Description	Material
➤ Sealing Nut	Brass
➤ Outer Seal	Nitrile Rubber
➤ Gland Body	Brass
➤ Clamping Ring	Brass
➤ Armour Clamp	Brass
➤ Inner Seal	Nitrile Rubber
➤ Gland Barrel	Brass
➤ Lock Nut	Brass
➤ Thread	Metric/BSC/NPT
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Natural Brass or Nickel Plated



Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1

Glands are supplied with Pvc Shrouds and Earth Tag in Kit form



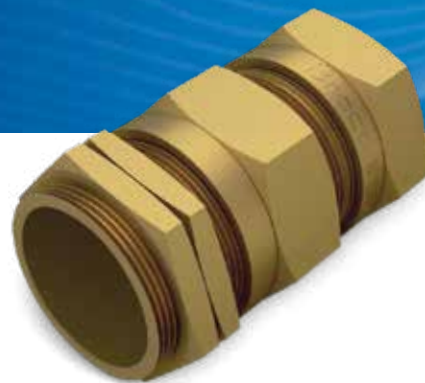
BRACO CAT NO.	ENTRY THREAD		CABLE ACCEPTANCE DETAIL			ACROSS FLAT	ACROSS CORNER
	DIA. C	LENGTH MINIMUM E	DIA MAX. A	DIA MAX. B	ARMOUR DIAMETER D		
E1W-16L	16	10	7-10	12-15	0.9/1.25	22	24.5
E1W-20S	20	10	8-12	13-16	0.9/1.25	24	26
E1W-20L	20	10	11-14	15-20	0.9/1.25	26	30
E1W-25S	25	10	12-17	17-24	1.25/1.6	31	35
E1W-25L	25	10	13-20	24-27	1.25/1.6	35	39
E1W-32S	32	10	17-24	25-31	1.6/2.0	40	44
E1W-32L	32	10	19-26	26-34	1.6/2.0	41	46
E1W-40S	40	15	23-29	31-37	1.6/2.0	46	54
E1W-40L	40	15	25-32	33-40	1.6/2.0	51	57
E1W-50S	50	15	31-38	39-46	2.0/2.5	58	64
E1W-50L	50	15	36-44	45-53	2.0/2.5	63	69
E1W-63S	63	15	42-50	52-59	2.5	70	79
E1W-63L	63	15	49-56	58-66	2.5	80	89
E1W-75S	75	15	54-62	64-72	2.5	82	92
E1W-75L	75	15	60-68	71-78	2.5	92	103
E1W-90L	90	15	66-79	77-90	2.5/3.1	106	118

E1F BRASS GLANDS: FLAMEPROOF

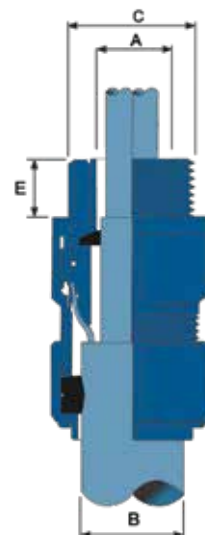
Versatile and Reliable

Braco E1F brass glands comply with IEC-60079-1 standards, making them suitable for indoor and outdoor applications. Designed for all types of SWA cables, they provide environmental sealing on both inner and outer cable sheaths.

These glands offer mechanical cable retention and ensure electrical continuity via armour wire termination. Recommended for flameproof conditions, Braco E1F Brass Glands provide versatile and reliable protection in various environments.



Parts	
Description	Material
➤ Sealing Nut	Brass
➤ Outer Seal	Nitrile Rubber
➤ Gland Body	Brass
➤ Clamping Ring	Brass
➤ Armour Clamp	Brass
➤ Inner Seal	Nitrile Rubber
➤ Gland Barrel	Brass
➤ Lock Nut	Brass
➤ Thread	Metric/BSC/NPT
➤ IP Rating	IP-66
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Natural Brass or Nickel Plated



Applicable Standard

IEC-62444 / BS 6121:PART 1/ IS/IEC 60079:PART-1

Glands are supplied with Pvc Shrouds and Earth Tag in Kit form

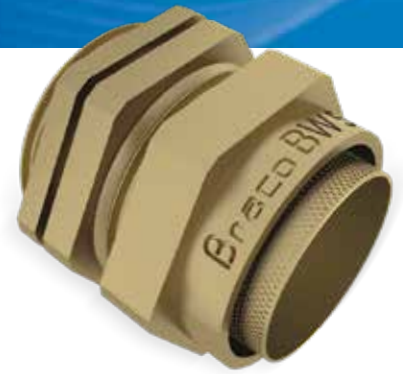


BRACO CAT NO.	ENTRY THREAD		CABLE ACCEPTANCE DETAIL			ACROSS FLAT	ACROSS CORNER
	DIA. C	LENGTH MINIMUM E	DIA MAX. A	DIA MAX. B	ARMOUR DIAMETER D		
E1F-16L	16	25	7-10	12-15	0.9/1.25	22	24.5
E1F-20S	20	25	8-12	13-16	0.9/1.25	24	26
E1F-20L	20	25	11-14	15-20	0.9/1.25	26	30
E1F-25S	25	25	12-17	17-24	1.25/1.6	31	35
E1F-25L	25	25	13-20	24-27	1.25/1.6	35	39
E1F-32S	32	25	17-24	25-31	1.6/2.0	40	44
E1F-32L	32	25	19-26	26-34	1.6/2.0	41	46
E1F-40S	40	25	23-29	31-37	1.6/2.0	46	54
E1F-40L	40	25	25-32	33-40	1.6/2.0	51	57
E1F-50S	50	25	31-38	39-46	2.0/2.5	58	64
E1F-50L	50	25	36-44	45-53	2.0/2.5	63	69
E1F-63S	63	25	42-50	52-59	2.5	70	79
E1F-63L	63	25	49-56	58-66	2.5	80	89
E1F-75S	75	25	54-62	64-72	2.5	82	92
E1F-75L	75	25	60-68	71-78	2.5	92	103
E1F-90L	90	25	66-79	77-90	2.5/3.1	106	118

BW KNURLING TYPE BRASS CABLE GLANDS: Enhanced Cable Grip and Protection

Braco BW Knurling Type Brass Cable Glands are compliant with IS/BS/IEC standards, making them suitable for single wire armoured plastic or rubber-sheathed cables. These glands feature a special knurled finish on the cone for improved cable grip.

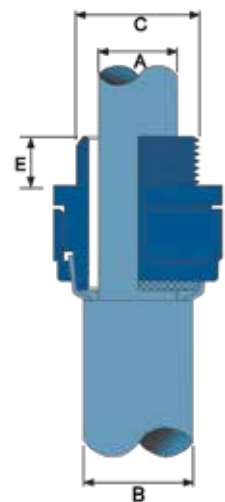
Designed for mechanical cable retention and electrical continuity via armour wire termination, Braco BW Knurling Type Brass Cable Glands are recommended for use in dry, indoor situations. Additionally, shrouds may be employed for added ingress protection. Trust Braco for reliable cable protection in indoor environments.



Parts	
Description	Material
➤ Sealing Nut	Brass
➤ Gland Barrel	Brass
➤ Lock Nut	Brass
➤ Thread	METRIC/BSC/NPT
➤ IP Rating	IP-30
➤ Operating Temperature	-20°C to +80°C
➤ Finish	Natural Brass or Nickel Plated

Applicable Standard

IS 12943 / IEC-62444 / BS 6121: PART 1



Glands are supplied with Pvc Shrouds and Earth Tag in Kit form

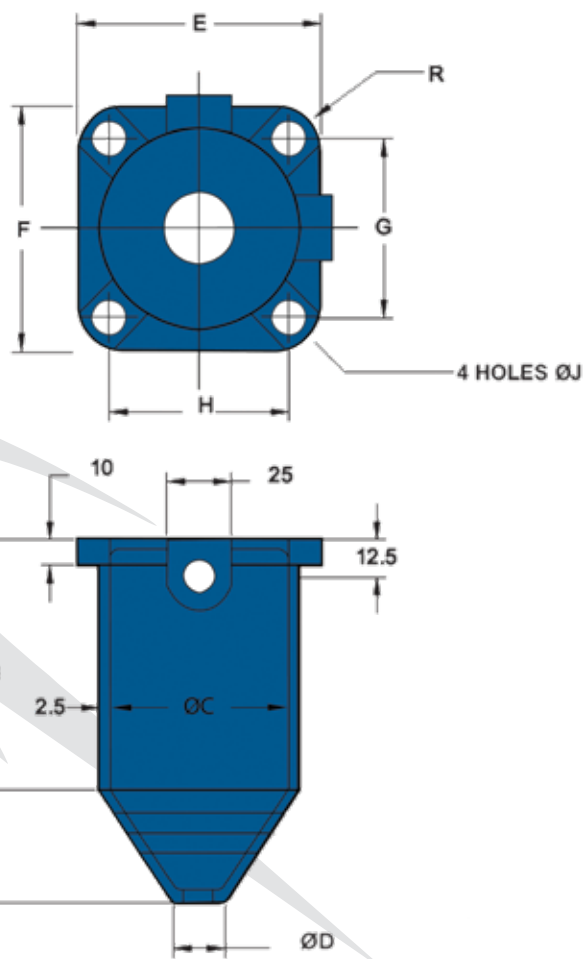


BRACO CAT NO.	ENTRY THREAD		CABLE ACCEPTANCE DETAIL			ACROSS FLAT	ACROSS CORNER
	MM THREAD	LENGTH MINIMUM	DIA MAX.	DIA MAX.	ARMOUR DIAMETER		
	C	E	A	B	D		
BW-20SKN	20	10	12	16	0.90/1.25	21.5	24.50
BW-20LKN	20	10	14.20	19.50	0.90/1.25	27	30.70
BW-25SKN	25	10	18.50	23.80	1.25/1.60	30.30	34
BW-25LKN	25	10	21.00	26.50	1.25/1.60	32.40	35.50
BW-32SKN	32	10	22.80	28.50	1.60/2	36	40
BW-32LKN	32	10	26.30	33.30	1.60/2	40.50	45
BW-40SKN	40	15	30.70	37	1.60/2	45.50	52.50
BW-40LKN	40	15	34.20	41.50	1.60/2	48.80	55
BW-50SKN	50	15	40	48.50	2.00/2.50	56.50	62
BW-50LKN	50	15	44.50	52.20	2.00/2.50	61	68
BW-63SKN	63	15	50.50	60.50	2.50	70	78
BW-63LKN	63	15	56.70	66.00	2.50	76	86
BW-75SKN	75	15	62	72	2.50	83	93
BW-75LKN	75	15	68.50	78.40	2.50	88	98
BW-90SKN	90	20	74	85.50	2.50/3.15	97.25	108
BW-90LKN	90	20	78.80	89.30	2.50/3.15	104.3	118

WIPING TYPE CABLE GLANDS

Application: For use with SWA, Plastic and Rubber (Elastomer) Sheathed Cables used in dry indoor condition.

Accessories: Hot Dip Galvanised MS Clamp, Neoprene Gasket.



Material: Brass

BRACO CAT NO.	GLAND SIZE	CABLE OD RANGE	A	B	C	D	E	F	G	H	J	R	T
BWGX	X	12-51 MM	138	90	62	15	90	90	65	65	11.7	12.5	2.5
BWGY	Y	25-78 MM	155	97	91	33	114	123	94	84.5	14	25	2.5
BWGZ	Z	25-94 MM	150	95	106	28	137	137	109	109	14	--	4.5

EARTH TAGS: Secure Electrical Continuity

Braco Earth Tags are crafted from brass sheets, punched to precise sizes, and are compatible with all sizes of cable glands. Electrical continuity is typically established through screw entry into metal boxes. For clearance hole entry scenarios, direct metal-to-metal contact between the gland, earth tag, and enclosure is essential.

Used to guarantee earth continuity between the gland and the equipment, Braco Earth Tags ensure reliable electrical connections for safe and efficient operation.



BRACO CAT NO.	ID (mm)	Dia B (bolt Hole)	Thickness (mm)	Short Circuit Rating KA
ET-20	20.20	6	1	4.40
ET-25	25.20	6	1	4
ET-32	32.20	6	1	6.20
ET-40	40.40	6	1.2	9.80
ET-50	50.40	6	1.2	11.40
ET-63	63.50	6	1.2	12
ET-75	75.20	6	1.2	14.30

BLACK POLYVINYL CHLORIDE (PVC) SHROUDS: Enhanced Protection and Seal

Braco Black PVC Shrouds are designed to be fitted over cable glands, offering additional protection against harsh weather conditions and corrosion. They provide an effective seal onto both the gland and cable oversheath, ensuring secure insulation and easy installation. Moreover, PVC shrouds enhance the IP rating of a termination, further fortifying its resilience.

These shrouds are essential to minimize the risk of dirt or foreign substances accumulating on the cable gland body or at the cable-to-gland interface. Additionally, we offer LSF (Low Smoke and Fume) shrouds for applications requiring enhanced safety and environmental protection. Trust Braco Black PVC Shrouds for comprehensive protection and reliable performance in diverse environments.



GLAND KITS: Convenient and Comprehensive Cable Termination Solution

Braco gland kits are meticulously assembled to include all components necessary for cable termination, including gland(s), earth tag(s), locknut(s), and shroud(s). Ready to use, these kits offer convenience and ensure that all parts required for each termination are kept together.

With everything you need in one package, Braco gland kits simplify the termination process and are easier to stock compared to loose pieces. Trust Braco Gland Kits for a comprehensive and hassle-free cable termination solution.



REDUCERS: Versatile Solutions for Cable Glands (Weatherproof and Flameproof)

Braco Reducers are essential components used alongside cable glands to accommodate extended or reduced entry holes in various apparatus. Primarily manufactured from brass, they are also available in SS304/316 and Aluminium variants for enhanced flexibility.

Featuring nickel plating for corrosion resistance, these reducers are supplied with "O" rings for IP protection. Certified by the Central Institute of Mining and Fuel Research, Dhanbad, they are suitable for use in both weatherproof and flameproof conditions.

Reducers are available in different thread combinations, including ET, MM, NPT, or any other required specification.

Suffixes such as BRD denote Brass Reducers, SRD for SS Reducers, and ALRD for Aluminium Reducers.



FEMALE MALE	5/8" ET (M16)	3/4" ET (M20)	1" ET (M25)	1-1/4" ET (32)	1-1/4" ET (32)	2" ET (M50)	2-1/2" ET (M63)	3" ET (M75)	3-1/2" ET (M90)
5/8" ET (M16)		A	A	A					
3/4" ET (M20)	R		A	A	A				
1" ET (M25)	R	R		A	A	A			
1-1/4" ET (M32)	R	R	R		A	A	A		
1-1/2" ET (M40)		R	R	R		A	A	A	
2" ET (M50)			R	R	R		A	A	A
2-1/2" ET (M63)				R	R	R		A	A
3" ET (M75)					R	R	R		A
3-1/2" ET (M90)						R	R	R	
1/2" NPT	R	A	A	A	A				
3/4" NPT	R	R	A	A	A	A			
1" NPT	R	R	R	R	A	A	A		
1-1/4" NPT	R	R	R	R	R	A	A	A	
1-1/2" NPT	R	R	R	R	R	A	A	A	A
2" NPT			R	R	R	R	A	A	A
2-1/2" NPT					R	R	R	A	A
3" NPT						R	R	R	A

ADAPTORS: Versatile Solutions for Cable Glands (Weatherproof and Flameproof)

Braco Adaptors serve as essential components alongside cable glands, facilitating extended or reduced entry holes in various apparatus. Primarily crafted from brass, they're also available in SS304/316 and Aluminium variants to meet diverse needs.

Featuring nickel plating for corrosion resistance, Brass Adaptors are equipped with "O" rings for IP protection. Certified by the Central Institute of Mining and Fuel Research, Dhanbad, they're suitable for use in both weatherproof and flameproof conditions.

Adaptors are available in various configurations, including ET, MM, NPT, or any other required specification.

Suffixes such as BAD represent Brass Adaptors, SAD for SS Adaptors, and ALAD for Aluminium Adaptors.



FEMALE MALE	1/2" NPT	3/4" NPT	1" NPT	1-1/4" NPT	1-1/2" NPT	2" NPT	2-1/2" NPT	3" NPT
5/8" ET (M16)	A	A	A					
3/4" ET (M20)	A	A	A	A				
1" ET (M25)	R	A		A	A			
1-1/4" ET (M32)	R	R	R	A	A	A		
1-1/2" ET (M40)	R	R	R	A	A	A	A	
2" ET (M50)	R	R	R	R		A	A	A
2-1/2" ET (M63)		R		R	R	A	A	A
3" ET (M75)				R	R	R	A	A
3-1/2" ET (M90)				R	R	R	R	A
1/2" NPT		A	A	A				
3/4" NPT	R		A	A	A			
1" NPT	R	R		A	A	A		
1-1/4" NPT	R	R	R		A	A	A	
1-1/2" NPT	R	R	R	R		A	A	A
2" NPT		R	R	R	R		A	A
2-1/2" NPT				R	R	R		A
3" NPT				R	R	R	R	

BRASS STOPPING PLUGS: Reliable Solutions for Cable Glands (Weatherproof and Flameproof)

Braco Stopping Plugs are essential for closing unused entry holes in various apparatus. Primarily crafted from brass, they are also available in SS304/316 and Aluminium variants for added versatility.

Brass Plugs are nickel plated to resist corrosion during storage and use and are supplied with "O" rings for IP protection. Certified by the Central Institute of Mining and Fuel Research, Dhanbad, these plugs are suitable for use in both weatherproof and flameproof conditions.

Plugs are available with different thread combinations, including ET, mm, and NPT, as per requirement.

Suffixes such as BSP indicate Brass Plugs, SSP for SS Plugs, and ALSP for Aluminium Plugs.



SIZE	A/C	A/F	T	L	C	A
ET THREAD						
BSP-3/4" ET	26	22	3	10	3/4"ET	15.5
BSP-1" ET	32	28	3	10	1"ET	21
BSP-1-1/4" ET	42	36	4	10	1-1/4"ET	27.8
BSP-1-1/2" ET	49	42	4	10	1-1/2"ET	33.5
BSP-2" ET	63	54	4	12	2"ET	45
BSP-2-1/4" ET	71	61	4	12	2-1/4"ET	52
BSP-2-1/2" ET	79	68	5	12	2-1/2"ET	57.5
BSP-2-3/4" ET	87	75	5	12	2-3/4"ET	64
BSP-3" ET	93	80	5	12	3"ET	69
BSP-3-1/4" ET	101	87	6	12	3-1/4"ET	76
BSP-3-1/2"ET	109	94	6	12	3-1/2"ET	82
M THREAD						
BSPM-20	28	24	3	10	M20	16.5
BSPM-25	34	29	3	10	M25	21
BSPM-32	42	36	4	10	M32	28
BSPM-40	51	44	4	10	M40	35.5
BSPM-50	63	54	4	12	M50	45
BSPM-63	79	68	5	12	M63	57.5
BSPM-75	93	80	5	12	M75	69
BSPM-90	110	95	6	12	M90	83
NPT THREAD						
BSP-1/2" NPT	28	24	3	12	1/2"NPT	16.3
BSP-3/4" NPT	34	30	3	12	3/4"NPT	21.6
BSP-1" NPT	42	36	4	14	1"NPT	28.1
BSP-1-1/4" NPT	52	45	4	15	1-1/4"NPT	35.9
BSP-1-1/2" NPT	59	51	4	15	1-1/2"NPT	41.9
BSP-2" NPT	73	63	5	16	2"NPT	53
BSP-2-1/2" NPT	87	75	5	22	2-1/2"NPT	65
BSP-3" NPT	105	91	6	22	3"NPT	80.9

PRODUCT SPECIFICATION & QUALITY CONTROL CHART FOR CABLE GLANDS

Sr. No.	Particulars	Parameter	Method Of Check	Reference Document/ Specifications	Acceptance Value
1	"Raw Material	(i) Brass /Casting	Chemical Test	"IEC-62444"	Copper Min. 55%
	Incoming inspection"	(ii) Rubbering - synthetic Rubber	SHORE A HARDNESS	"BS 6121:2005/ IEC-62444"	Shore A hardness Min.55 to 60
2	"In Process inspection"	(i) Dimensions check	Vernier Calliper	Catalogue specification/ Approved Drawing	tolerence +/- 1.0 mm except Threads
		(ii) Thread Check	Guages	Catalogue specification/ Approved Drawing	Go- Nogo Guages
		(iii) Surface Finish	Visual check	Catalogue specification/ Approved Drawing	Surface free from scaling, peeling and burrs
3	Final Inspection	(i) Dimensions check	Vernier Calliper	Catalogue specification/ Approved Drawing	tolerence +/- 1.0 mm
		(ii) Thread Check	Guages	Catalogue specification/ Approved Drawing	Go- Nogo Guages
		(iii) Surface Finish	Visual check	Catalogue specification/ Approved Drawing	Surface free from scaling, peeling and burrs
		(iv) Marking	Visual check	BS 6121:2005/ IEC-62444	Brand Name, Standard & Product Identification
4	Test	(i) Cable Retention test	TYPE TEST	BS 6121:2005/ IEC-62444	Load is maintained for 5 mins and at the end displacement should not exceed 3mm
		(ii) Resistance to Impact Test		BS 6121:2005/ IEC-62444	No Sign of Disintegration nor any cracks visible to mormal or corrected vision
		(iii) Ingress Protection test		IEC-62444 / IEC-60529.2013	No ingress of dust or water upto IP-65 level (Minimum)
		(iv) Equipotential Bonding		BS 6121:2005/ IEC-62444	Resistance between gland and plate should not Exceed 0.1 ohm
		(iv) Flameproof (EX 'd') Test		IEC-60079-1:2007	"Gland should meet Test requiements as per IEC-60079-1"



EARTHING - LIGHTING PROTECTION

COPPER BONDED EARTH RODS

The Braco Copper Bonded Earth Rod presents installers with a cost-effective solution for achieving low earth resistance. Each rod features a high tensile strength, low carbon steel core. Through an electrolytic process, 99.95% pure copper is applied, forming a robust metallurgical bond between the steel core and the copper. This construction not only facilitates deep driving but also ensures long-lasting resistance to corrosion.

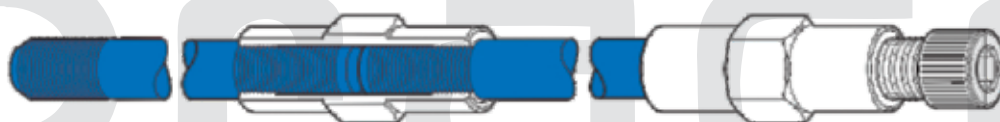
The threads on the rod are meticulously formed through a cold rolling process, guaranteeing strength and preserving the molecularly bonded copper covering along the entire length of the threads. The standard copper thickness measures 250 microns, with options for greater copper thicknesses available upon request.



Threaded

Nominal Size	L mm	Shank D mm	L 1 mm	Part Number
1/2"	1200	12.7	30	BBER-124
	1500			BBER-125
	1800			BBER-126
	2400			BBER-128
5/8"	1200	14.2	30	BBER-164
	1500			BBER-165
	1800			BBER-166
	2400			BBER-168
3/4"	1200	17.2	35	BBER-194
	1500			BBER-195
	1800			BBER-196
	2400			BBER-198

Material: Pure copper molecularly bonded onto a steel core.



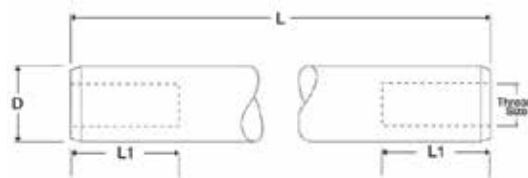
SOLID COPPER EARTH ROD

Braco's solid copper earth rods are engineered for applications demanding outstanding corrosion resistance and extended lifespan. Crafted from solid copper bar, these rods feature internal threading for seamless jointing. During deep driving, the standard practice involves inserting the rod into a bore hole and backfilling with either low-resistance earthing compound or bentonite. Trust Braco for durable, high-performance solutions in earthing applications.

Shank D mm	L mm	Thread Size	L 1 mm	Part Number
15	1200	M-10	20	BCER-154
16	1200	M-10	20	BCER-164
	1500	M-10		BCER-165
	1800	M-10		BCER-166
	2400	M-10		BCER-168
20	1200	M-10	20	BCER-204
	1500	M-10		BCER-205
	1800	M-10		BCER-206
	2400	M-10		BCER-208



Material:
Copper to BS EN 13601



THREADED COUPLING FOR COPPER BONDED EARTH RODS

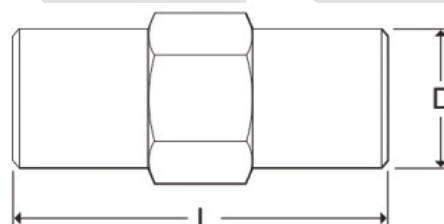
Braco's high-strength couplings are specifically designed for joining copper bond threaded earth rods together, facilitating deep driving and ensuring continual contact between the rods during and after installation.

Key Features:

Protects earth rod threads during installation with a threaded driving headLead-in for ease of assembly Hex on the outside for grip, keeping the coupling tight during ground installationManufactured from a high copper content alloy for excellent corrosion resistance

Type	L mm	D mm	Part Number
1/2"	50	20	BCP-1250
1/2"	70	20	BCP-1270
5/8"	50	20	BCP-1650
5/8"	70	20	BCP-1670
3/4"	50	24	BCP-1950
3/4"	70	24	BCP-1970

Material: Gun Metal / Brass.

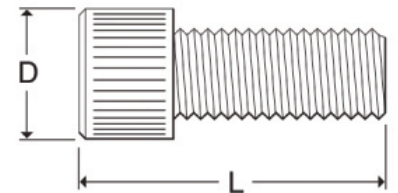
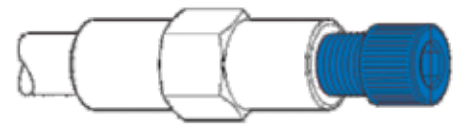


THREADED DRIVING HEADS

Braco's reusable threaded driving heads are designed for driving copper bond threaded earth rods by hand or with a power hammer. Simply screw the driving head into the threaded coupling for efficient and secure installation.

Type	L mm	D mm	Part Number
1/2"	50	20	BTDH-12
5/8"	55	22	BTDH-16
3/4"	60	25	BTDH-19

Material: Steel.

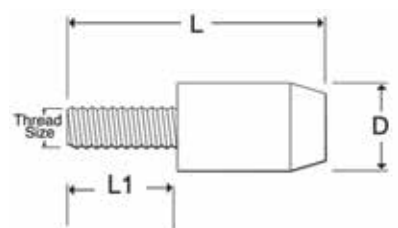
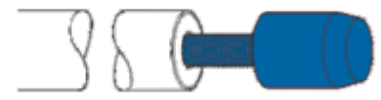


DRIVING HEADS

Braco driving heads protect the external thread and the top of the solid copper earth rod from damage during installation into the ground.

D mm	L mm	Thread Size	L 1 mm	Part Number
16	38	M10	20	BDH-16
20	41	M10	20	BDH-20

Material: Steel.

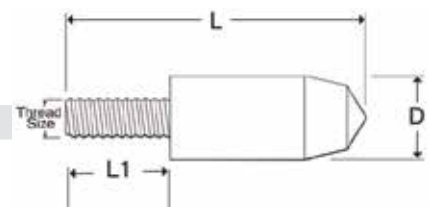


DRIVING SPIKES

Braco driving spikes enable solid earth rods to be driven easily into the ground.

D mm	L mm	Thread Size	L 1 mm	Part Number
16	42	M10	20	BDS-16
20	51	M10	20	BDS-20

Material: Steel.



COUPLING DOWELS

Braco phosphor bronze coupling dowel is used for joining solid copper earth rods together.

Thread Size	L mm	Part Number
M10	40	BCD-10
M10	50	BCD-12

Material: Copper / Copper Coated Brass.

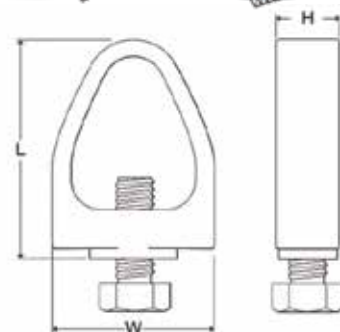
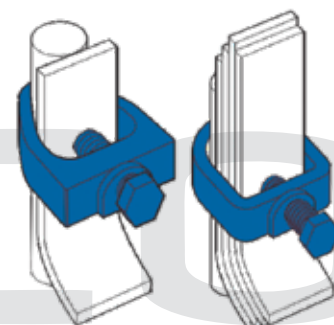


EARTH ROD TO TAPE 'A' CLAMPS

Braco clamps are used for joining earth rods to different sizes of copper tape. The clamps have a high resistance to corrosion and are mechanically strong to ensure a lasting connection

Earth Rod Shank mm	Maximum Tape Size	L mm	W mm	H mm	Part Number
12.7	26 x 15	43	37	17	BCLA-121
	32 x 15	43	45	18	BCLA-122
	39 x 15	44	51	22	BCLA-123
14.2	26 x 14	43	37	17	BCLA-141
	32 x 14	43	45	18	BCLA-142
	39 x 14	44	51	22	BCLA-143
	51 x 16	47	64	20	BCLA-144
15	26 x 13	43	37	17	BCLA-151
	32 x 13	43	45	18	BCLA-152
	39 x 13	44	51	22	BCLA-153
	51 x 15	47	64	20	BCLA-154
16	26 x 12	43	37	17	BCLA-161
	32 x 12	43	45	18	BCLA-162
	39 x 12	44	51	22	BCLA-163
	51 x 14	47	64	20	BCLA-164
17.2	26 x 11	43	37	17	BCLA-171
	32 x 11	43	45	18	BCLA-172
	39 x 11	44	51	22	BCLA-173
	51 x 13	47	64	20	BCLA-174
20	26 x 18	55	40	25	BCLA-175
	26 x 8	43	37	17	BCLA-201
	32 x 8	43	45	18	BCLA-202
	39 x 8	44	51	22	BCLA-203
	51 x 10	47	64	20	BCLA-204
	26 x 16	55	40	25	BCLA-205

Material: Gun Metal / Brass



The aluminium version is mainly used for connecting aluminium tape to a puddle flange rod as a part of lighting protection system.

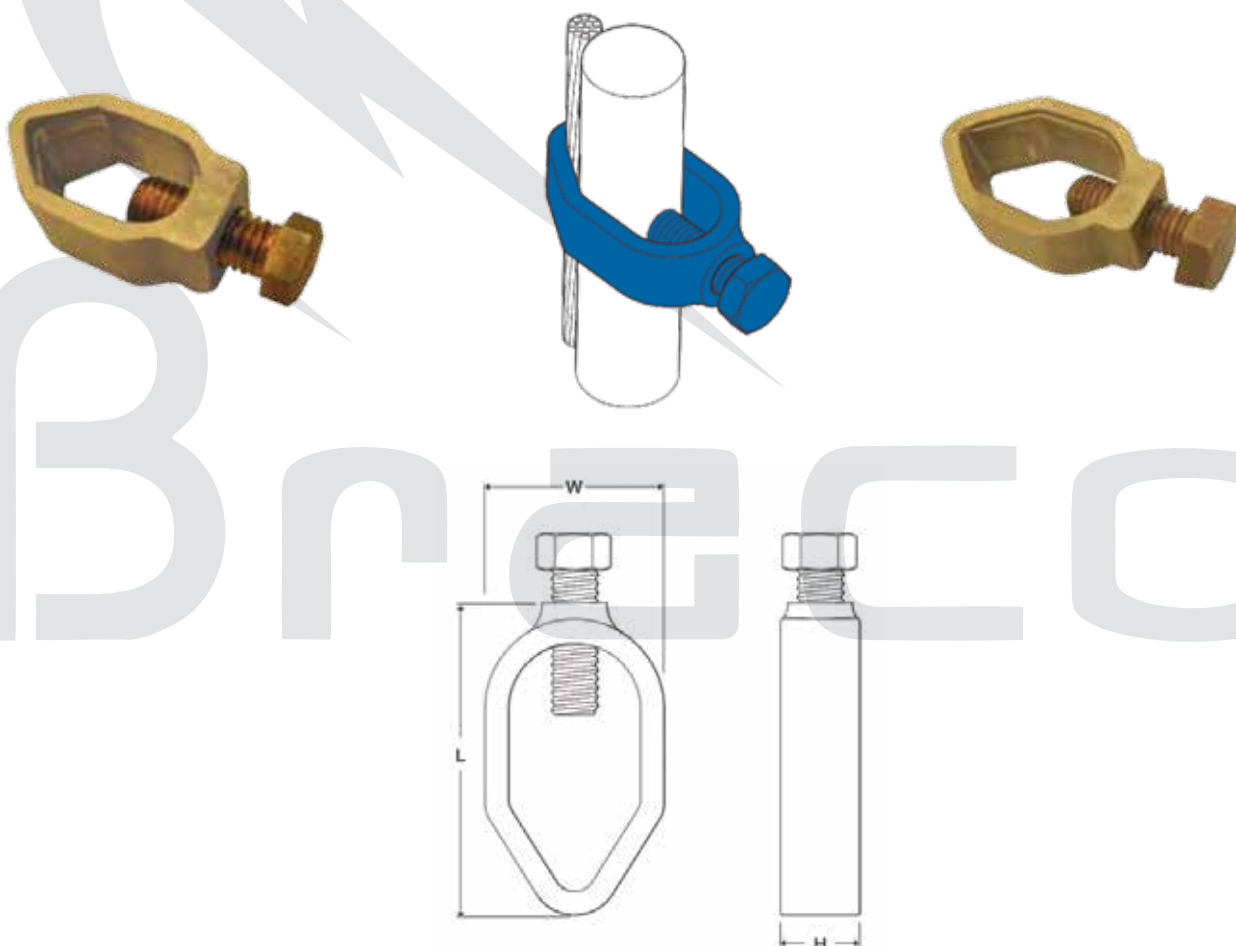
EARTH ROD TO CABLE "G" CLAMPS

Braco clamps are used for joining earth rods to different size of stranded copper conductor. The clamps have a high resistance to corrosion and are mechanically strong to ensure a lasting connection.

Earth Rod Shank mm	Conductor Range mm	L mm	W mm	H mm	Part Number
9.5	6 - 35	32	20	16	BCLG-9
12.7	6 - 35	34	25	15	BCLG-121
	35 - 70	41	25	17	BCLG-122
14.2	6 - 16	34	25	15	BCLG-141
	16 - 70	41	25	17	BCLG-142
	70 - 185	48	30	19	BCLG-143
15	6 - 16	34	25	15	BCLG-151
	16 - 70	41	25	17	BCLG-152
	70 - 150	48	30	19	BCLG-153
16	6 - 70	41	25	17	BCLG-161
	70 - 120	48	30	19	BCLG-162
17.2	6 - 95	48	30	19	BCLG-171
20	6 - 70	48	30	19	BCLG-201

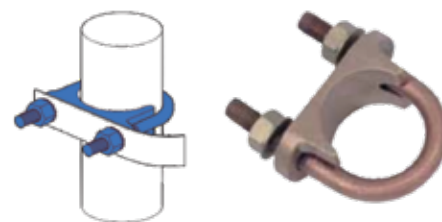
Material: Gunmetal with M 10 * 25 mm Phosphor Bronze Set Screw (ERR 1035 in Naval Brass with M6 * 20 mm Stainless steel set screw).

*Suitable for use with 8 mm solid circular copper conductor



'U' BOLT CLAMPS

This versatile range of Braco U Bolt Clamps can be used to connect flat tapes and stranded cables to earth rods, reinforcing bars (re-bar), hand rails etc.



Single Plate ROD CLAMPS TYPE - E

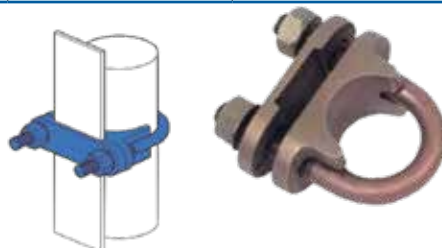
Used to connect flat tapes in horizontal position on the rod

Nominal Rod Diameter	Hole Centres-mm	L mm	W mm	H mm	Part Number
5/8"	30	58	62	33	BUB-1
3/4"	37	70	62	33	BUB-2
1"	37				BUB-3
1 1/4"	41	85	68	33	BUB-4
1 1/2"	46	90	75	33	BUB-5
2	64	100	90	33	BUB-6

Material: Gunmetal plate with M10 threaded Copper 'U' Bolt.

Double Plate ROD TO TAPE TYPE - E

Used to connect flat tapes in vertical position on the rod

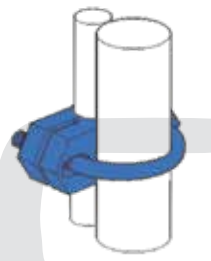
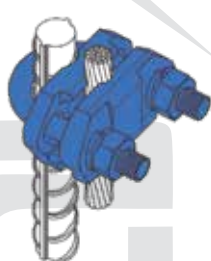


Nominal Rod Diameter	Tape Width mm	L mm	W mm	H mm	Part Number
5/8"	25	68	62	33	BUB-7
3/4"	25	70	62	33	BUB-8
1"	25				BUB-9
1 1/4"	31	85	68	33	BUB-10
1 1/2"	38	90	75	33	BUB-11
2	50	100	90	33	BUB-12

Material: Gunmetal plate with M10 threaded Copper 'U' Bolt.

Double Plate ROD TO CABLE CLAMP TYPE - GUV

Used to connect Stranded tapes in a vertical and horizontal position on the rod



Nominal Rod Diameter	Conductor Range mm	L mm	W mm	H mm	Part Number
5/8"	16 - 95	57	51	40	BUB-13
3/4"	16 - 70	73	68	40	BUB-14
5/8"	70 - 185	57	51	40	BUB-15
3/4"	70 - 150	73	68	40	BUB-16
5/8"	150 - 300	86	80	40	BUB-17
3/4"	150 - 300	98	93	40	BUB-18

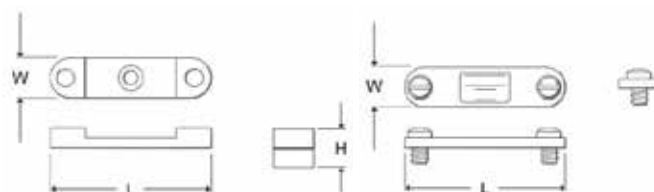
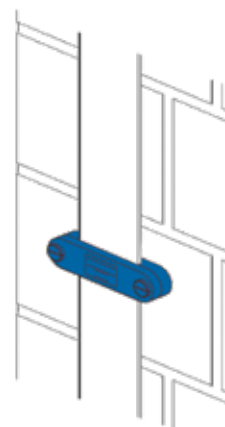
Material: Gunmetal plate with M10 threaded Copper 'U' Bolt.

METALLIC DC CLIPS

Braco metallic DC clips provide a secure solution for fastening the flat tape conductor to the building surface. Simply use countersunk woodscrews (1 1/2" x No. 10) and No. 10 wall plugs for installation.

Conductor Size mm	L mm	W mm	H mm	Part Number
25 x 3	50	20	10	BDCG-253
25 x 6	50	20	12	BDCG-256
31 x 3	60	20	10	BDCG-313
31 x 6	60	20	12	BDCG-316
38 x 3	64	20	10	BDCG-383
38 x 6	64	20	12	BDCG-386
40 x 4				BDCG-404
40 x 6				BDCG-406
50 x 3	80	20		BDCG-503
50 x 6	80	20		BDCG-506

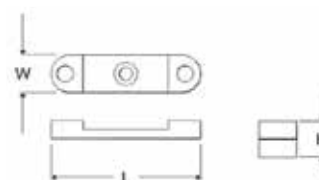
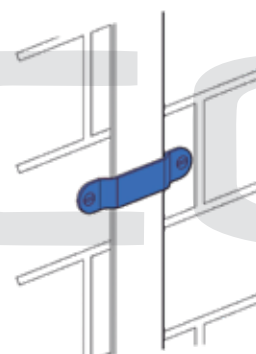
Material: Gunmetal / Brass.



TAPE CLIPS

Braco Wallis tape clips are designed to securely hold the flat tape conductor flush against the building surface. Installation is straightforward: use countersunk woodscrews (1 1/2" x No. 10) and No. 10 wall plugs for a secure fit.

Conductor Size mm	Materials	L mm	W mm	H mm	Part Number
25 x 3	Brass	68	20	7	BTCB-253
25 x 6	Brass	70	20	7	BTCB-313
31 x 3	Brass	73	20	8	BTCB-506
31 x 6	Aluminium	68	20	7	BTCA-253
38 x 3	Aluminium	70	20	7	BTCA-313
38 x 6	Aluminium	73	20	8	BTCA-506



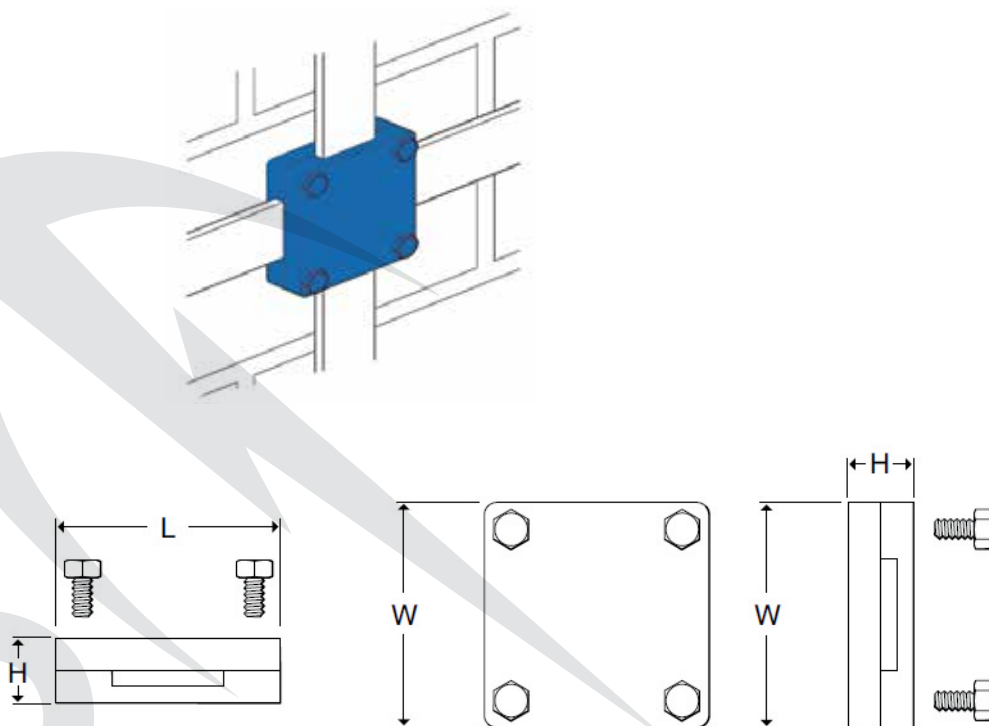
SQUARE TAPE CLAMPS

Braco square tape clamps are versatile four-way connectors, ideal for creating cross, straight-through, or tee joints in flat tape installations. The base features a countersunk hole in the middle for secure attachment to the building surface, while the lid is affixed using four screws.

Installation is simple: use countersunk wood screws (1" x No. 10) and No. 10 wall plugs for a secure and reliable fit.

Conductor Size mm	L mm	W mm	H mm	Part Number
25 x 3	50	50	13	BSCG-253
25 x 6	50	50	20	BSCG-256
31 x 3	60	60	14	BSCG-313
50 x 6	79	79	22	BSCG-506

Material: Gunmetal / Brass



TAILORED EARTHING & LIGHTNING PROTECTION SOLUTIONS

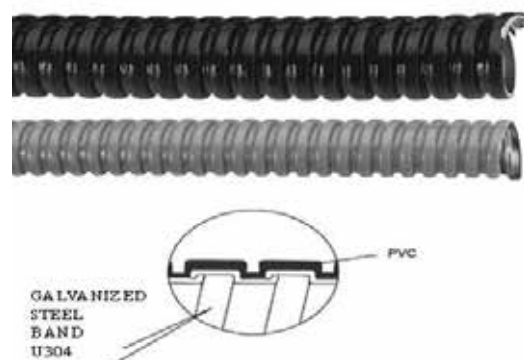
At Braco, we understand that every project has unique requirements when it comes to earthing and lightning protection. That's why we offer bespoke solutions tailored to your specific needs.

Our team of experts is ready to collaborate with you to design and manufacture custom earthing and lightning protection products based on the dimensions and specifications you provide. Whether you need specialized earth rods, grounding systems, lightning protection components, or any other related item, we've got you covered.

With Braco's tailored solutions, you can ensure that your earthing and lightning protection systems are precisely engineered to meet the demands of your project. From design to delivery, we're committed to providing high-quality, reliable solutions that exceed your expectations.

GI PVC COATED FLEXIBLE CONDUIT

Detailed Product Description	
➤ Product Name	PVC Coated Flexible Conduit
➤ Material	Galvanized Steel with PVC Coating
➤ Size Range	16 MM to 50 MM
➤ Included Accessories	Brass Adaptors, Squeeze Straight Connector
➤ Length	Available in 25 Meter rolls or customizable upon request
➤ Color Options	Gray or Black



Discover the BRACO Brand PVC-coated Flexible Steel Conduit, engineered for versatile applications and installations in confined spaces requiring exceptional flexibility.

Features:

- Constructed from high-grade, hot-dipped galvanized low-carbon steel infused with PVC for durability.
- Continuous interlocking metal strip design enhances flexibility and structural integrity.
- Interior surface facilitates easy wire fishing, streamlining installation processes.
- Suitable for 3-hour through-penetration fire systems, ensuring robust fire protection.

Detailed Product Description	
➤ Brand Name	BRACO
➤ Available Colors	Gray or Black
➤ Flexibility	Yes
➤ Length	Standard 25 meters or customizable upon request
➤ Material	Galvanized Steel, PVC
➤ Size Range	16 MM to 50 MM

Applications:

The BRACO Brand PVC-coated Flexible Conduit is ideal for a wide range of applications including:

- Mechanical protection of cables and wires in tunnels, hospitals, high-rise office blocks, public buildings, airlines, and underground installations.
- Suitable for tight-spot installations and areas requiring water tightness.
- Features a polyvinyl coating in black color with a spiral corrugated pattern finished surface, ensuring resistance to corrosion.
- Compatible with galvanized steel and helically wound conduit systems.

BRACO BRAND PVC Coated Flexible Conduit

Construction	
➤ Core Material	Galvanized Steel
➤ Style	Square Lock
➤ Jacket	Vacuum PVC

Features:

- Provides durable protection for cables and wires in various applications
- Square lock style ensures secure installation
- Vacuum PVC jacket enhances flexibility and resilience
- Flexible working temperature range: -10°C to 70°C
- Trust BRACO for reliable and versatile PVC coated flexible conduit solutions.

Normal Size	TYPE	Inside Diameter Min. (MM) / Max. (MM)	Outside Diameter Over Jacket Min. (MM) / Max. (MM)	Min Bend Radius	Length of Roll
16mm	BC-16	12.70 / 12.90	17.00 / 17.20	65	20 / 30Mtrs.
20mm	BC-20	16.00 / 16.50	20.00 / 20.50	75	20 / 25Mtrs.
25mm	BC-25	20.80 / 21.30	25.00 / 25.50	100	20 / 25Mtrs.
32mm	BC-32	28.20 / 28.70	32.00 / 32.50	125	15 / 20Mtrs.
40mm	BC-40	32.70 / 33.20	38.00 / 38.50	150	15 / 20Mtrs.
50mm	BC-50	46.00 / 46.50	50.20 / 50.70	175	10Mtrs.

Thickness of galvanized steel strip	Coating of PVC compound granules
0.19 mm for 16mm to 32mm (Tolerance -+0.02) 0.20 mm for 40mm to 50mm (Tolerance -+0.02)	0.6 mm for 16mm to 32mm (Tolerance -+0.2) 0.80 mm for 40mm to 50mm (Tolerance -+0.2)

Packing:

Construction	
➤ Export Worthy Packing	Spool and Carton
➤ Printing	4 Color
➤ Additional Protection	PVC Stretch Film wrapped around the top of the spool

Ensure your products arrive safely and professionally presented with our export-worthy packing solution, including spool and carton packaging. The inclusion of 4-color printing adds a touch of branding and clarity to your packaging. Plus, the PVC stretch film provides extra protection, keeping your products secure during transit.

TAILOR-MADE

TAILOR-MADE EXCELLENCE: CUSTOM CABLE LUGS, TERMINALS, AND CABLE GLANDS

At Braco, we take pride in our ability to provide tailor-made solutions for cable lugs, terminals, and cable glands. Our commitment to meeting diverse customer requirements is reflected in our bespoke manufacturing capabilities. Whether you have a specific design, drawing, or unique specifications in mind, we have the expertise to bring your vision to life.

KEY HIGHLIGHTS:

- **Flexibility in Design:** We understand that each project may come with unique challenges and requirements. Our team is adept at customizing cable lugs, terminals, and cable glands to match your specific design or drawing.
- **Precision Engineering:** Leveraging advanced manufacturing processes and a skilled workforce, we ensure that every custom component meets the highest standards of precision and quality.
- **Material Expertise:** Our in-depth knowledge of materials allows us to recommend and create tailor-made solutions that align with your project's needs.
- **Collaborative Approach:** We believe in collaboration. Our team works closely with customers, considering their input and feedback throughout the customization process to guarantee satisfaction.
- **Quality Assurance:** Even with customization, quality remains paramount. Each tailor-made component undergoes rigorous quality checks to ensure it meets industry standards and your specific requirements.

Why Choose Braco for Custom Cable Lugs, Terminals, and Cable Glands?

- **Experience:** With years of experience, we bring a wealth of knowledge to every customization project.
- **Innovation:** Our commitment to innovation enables us to explore new solutions and techniques to meet evolving industry demands.
- **Timely Delivery:** We understand the importance of timelines. Count on us for prompt delivery without compromising on quality.

For projects demanding unique solutions, turn to Braco. Our custom cable lugs, terminals, and cable glands are a testament to our dedication to meeting the diverse needs of our valued customers. Let's collaborate to create components that precisely match your requirements.

At Braco, we take great care in manufacturing products that adhere to the highest standards of quality and design. While we strive to maintain consistency, please be aware that deviations may occur without prior notice.

Rest assured, these adjustments are made with the aim of enhancing functionality and meeting evolving market needs.

Thank you for your continued Support and Trust in Braco.