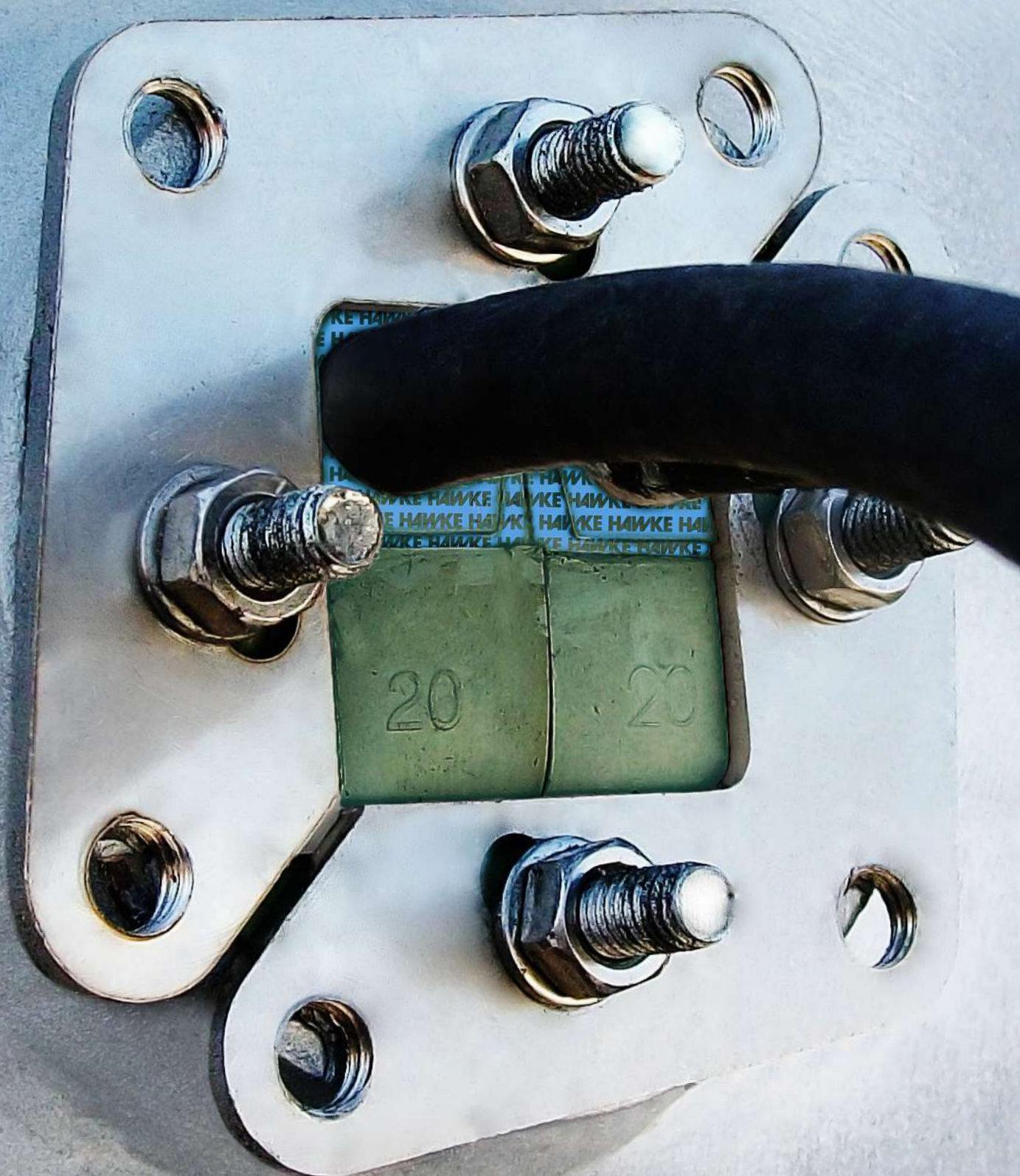
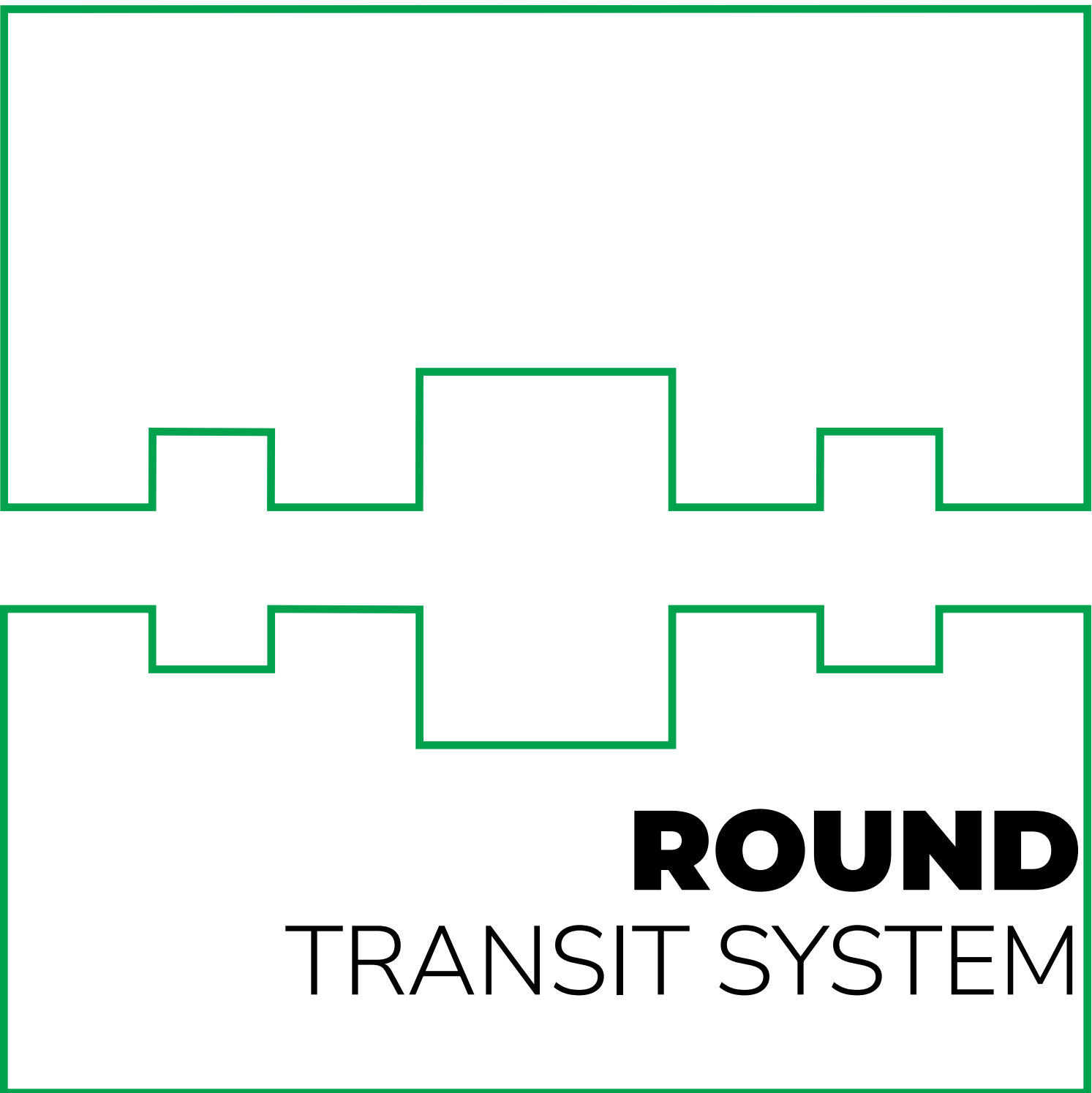






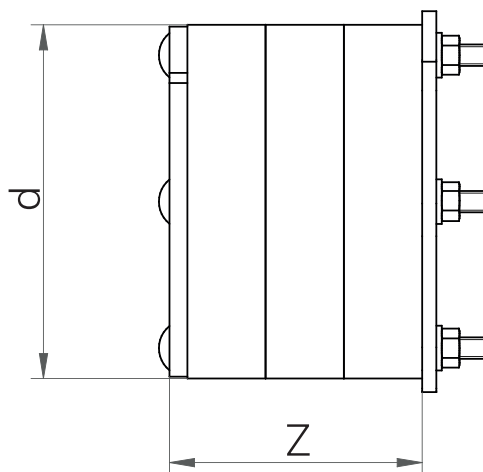
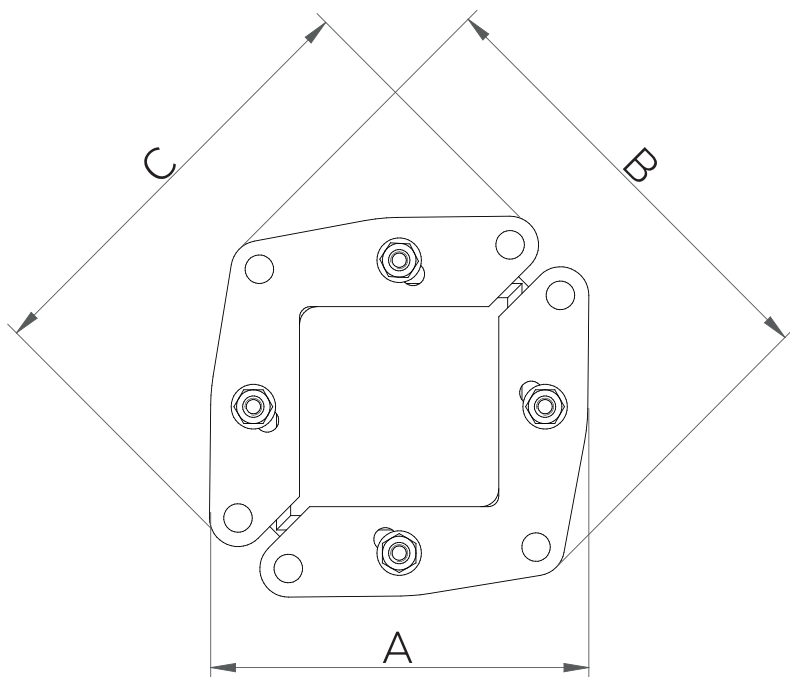
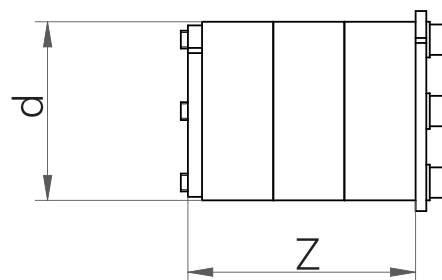
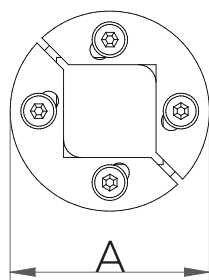
ROUND TRANSIT SYSTEM

HRTO Family

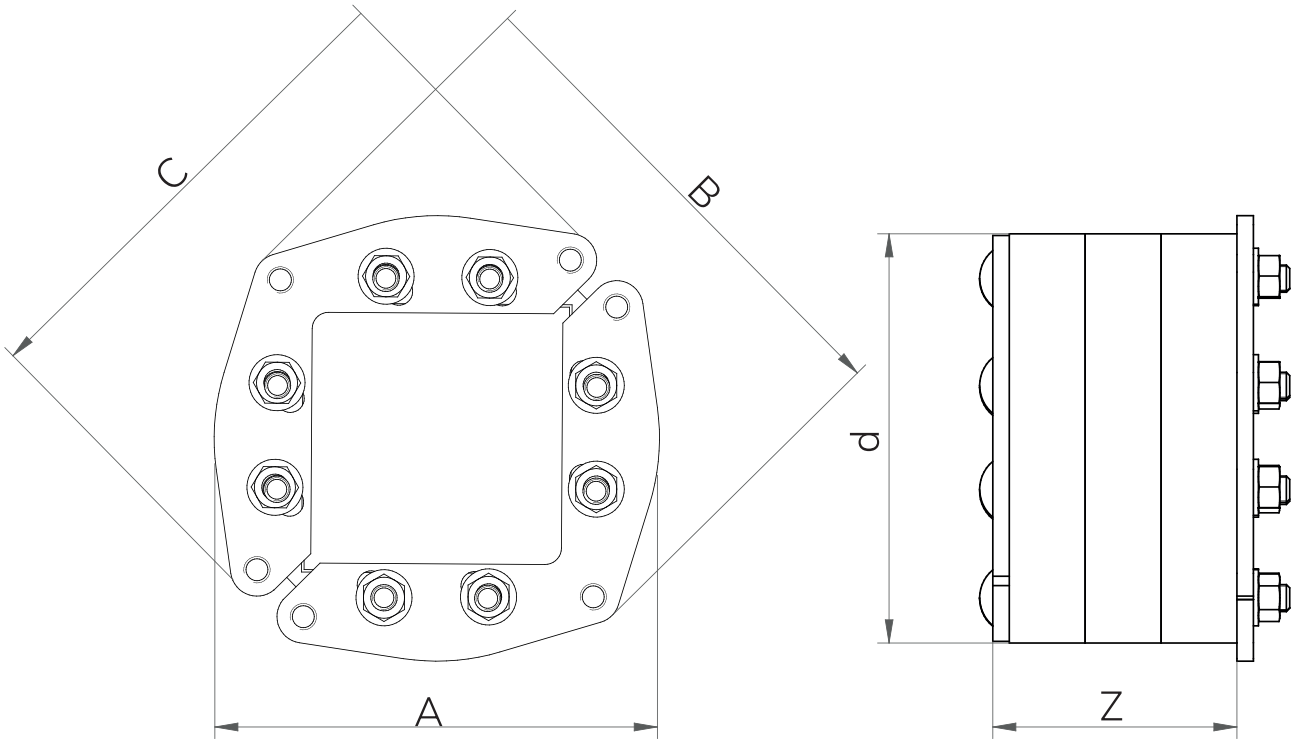
HTS HRTO is a round sealing solution for multiple cables/pipes passing through a circular aperture in a wall or bulkhead/deck. The seal is formed by tightening the compression bolts which expand the system radially with no need of a compression system.

CHARACTERISTICS

- Designed to be installed using HTS Sleeves (welded, bolted or casted) and standard HF blocks.
- Manufactured in intumescent elastomer polymer with stainless steel front and back plates. Plates also available in mild steel.
- HRTO is always supplied as an open frame. This enables the frame to be installed after cable/pipe installation.
- No extra tools are required for its installation.
- Ex available under request.

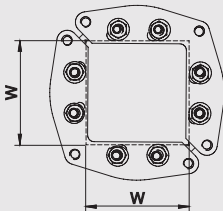


HRTO Family



DESCRIPTION	SLEEVE SIZE NEEDED	A (mm)	B (mm)	C (mm)	d (mm)	Z (mm)	Weigth (Kg)
HRTO-30	30	36	-	-	32	64	0,11
HRTO-40	40	46	-	-	40	64	0,15
HRTO-50	50	56	-	-	50	64	0,2
HRTO-70	70	85	105	50	70	70	0,5
HRTO-100	100	108	137	94	100	70	0,8
HRTO-125	125	150	163	124	125	74	0,95
HRTO-150	150	160	187	179	150	74	1,9
HRTO-200	200	210	237	226	200	74	3,7

→ Sealing Area



TYPE	SEALING AREA (mm)
HRTO-30	15x15
HRTO-40	20x20
HRTO-50	30x30
HRTO-70	40x40
HRTO-100	60x60
HRTO-125	80x80
HRTO-150	90x90
HRTO-200	120x120

→ Installation references

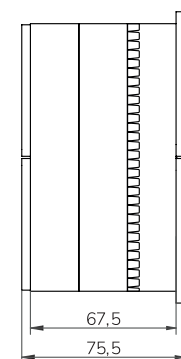
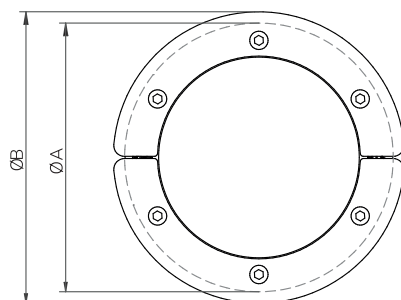
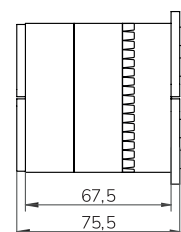
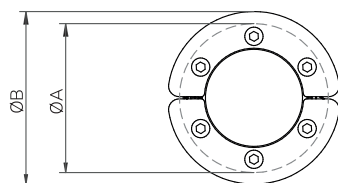
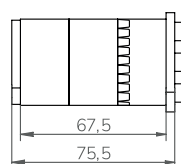
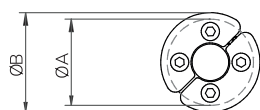
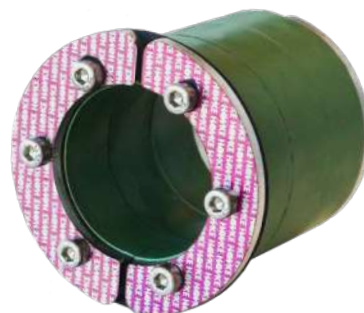
See assembly parts	69
See accessories	79
See installation guide	127
See inspection check	172

HRST Family

HTS HRST is a round sealing solution for a single cable/pipe passing through a wall or bulkhead/deck. Each size of HRST frame can seal a large range of diameters without any onsite modifications.

CHARACTERISTICS

- Available to seal services from 4mm up to 170mm of external diameter (standard version).
- Tolerant up to 7 mm.
- Designed to be installed using HTS Sleeves (welded, bolted or casted)
- Manufactured in intumescent elastomer polymer with stainless steel front and back plates. Each HRST frame has a gasket to prevent galvanic corrosion when installed within a mild steel sleeve.
- HRST is always supplied as an open frame. This enables the frame to be installed after cable/pipe installation.
- No extra tools are required for its installation.
- Ex available under request.



HRST Family

Description	Sleeve size needed	Sealing from (mm)	Sealing to	A (mm)	B (mm)	Weight (kg)	Color
HRST-30/4	30	4	10	32	36	0,16	White
HRST-30/7	30	7	14	32	36	0,15	Red
HRST-30/10	30	10	17	32	36	0,14	Blue
HRST-40/4	40	4	10	40	46	0,24	Purple
HRST-40/7	40	7	14	40	46	0,23	Yellow
HRST-40/10	40	10	17	40	46	0,21	Green
HRST-40/17	40	17	24	40	46	0,18	Pink
HRST-50/4	50	4	10	50	56	0,35	Red
HRST-50/10	50	10	17	50	56	0,33	White
HRST-50/17	50	17	24	50	56	0,29	Blue
HRST-50/24	50	24	30	50	56	0,25	Orange
HRST-70/26	70	26	33	69	80	0,56	Purple
HRST-70/33	70	33	39	69	80	0,50	Yellow
HRST-70/39	70	39	45	69	80	0,44	Green
HRST-70/45	70	45	50	69	80	0,38	Pink
HRST-100/48	100	48	55	99	110	0,96	Red
HRST-100/55	100	55	61	99	110	0,87	White
HRST-100/61	100	61	66	99	110	0,79	Blue
HRST-100/66	100	66	71	99	110	0,71	Orange
HRST-125/64	125	64	71	124	135	1,42	Purple
HRST-125/71	125	71	79	124	135	1,27	Yellow
HRST-125/79	125	79	86	124	135	1,12	Green
HRST-125/86	125	86	93	124	135	0,96	Pink
HRST-125/93	125	93	98	124	135	0,84	Orange
HRST-150/93	150	93	102	149	160	1,79	Red
HRST-150/102	150	102	108	149	160	1,63	White
HRST-150/108	150	108	115	149	160	1,43	Blue
HRST-150/115	150	115	120	149	160	1,28	Orange
HRST-175/118	175	118	125	174	185	2,16	Purple
HRST-175/125	175	125	132	174	185	1,93	Yellow
HRST-175/132	175	132	138	174	185	1,72	Green
HRST-175/138	175	138	145	174	185	1,47	Pink
HRST-200/136	200	136	143	199	210	2,73	Red
HRST-200/143	200	143	150	199	210	2,48	White
HRST-200/150	200	150	157	199	210	2,20	Blue
HRST-200/157	200	157	164	199	210	1,92	Orange
HRST-200/164	200	164	170	199	210	1,67	Yellow

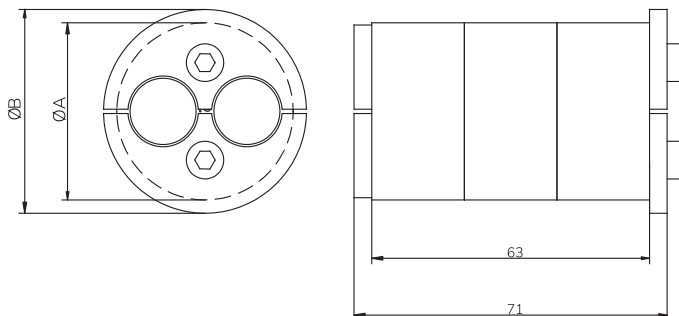
→ Installation references

See assembly parts	69
See installation guide	127
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HRST 40 2D15

HTS HRST multihole designed for the sealing of up to 2 cables with an external diameter between 10 and 15 mm.

- Empty cable space to be filled with Plug HRST 2D15.
- Ex available under request.

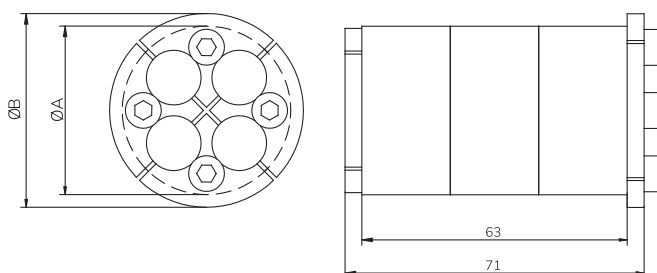


DESCRIPTION	SLEEVE SIZE NEEDED	NUMBER OF CABLES	SEALING FROM	SEALING TO	A (mm)	B (mm)	NUMBER OF BOLT	BOLT SIZE	WEIGHT (Kg)
HRST 40 2D15	40	4	10	15	40	46	2	M5	0,17
Plug HRST 2D15				-					0,02

HRST 40 4D12

HTS HRST multihole designed for the sealing of up to 4 cables with an external diameter between 8 and 12 mm.

- Empty cable space to be filled with Plug HRST 4D12
- Ex available under request.



DESCRIPTION	SLEEVE SIZE NEEDED	NUMBER OF CABLES	SEALING FROM	SEALING TO	A (mm)	B (mm)	NUMBER OF BOLT	BOLT SIZE	WEIGHT (Kg)
HRST 40 4D12	40	4	8	12	40	46	4	M5	0,16
Plug HRST 4D12				-					0,02

Installation references

See assembly parts	69
See installation guide	127
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