

EXCELL

Total Solution For Electro Mechanical Systems

Excellect , Which Formerly Known as Seiry Trading Establishment founded in 1980 to cater to the needs of our valuable customers. Excellect group worked closely with almost all the major engineering consultants in Saudi Arabia. productr have been used in all the major projects in the Kingdom and our EXCELL-HVAC brand has been a leading name in the area of Support Technology & Vibration control systems .

Excellect is a Manufacturer and Trader For all HVAC materials including Air Filters, wide range of Anti-Vibration products, Pipe Support and Hangers which can be ordered in modified versions to meet customer's special requirements .

Excellect has its Head Office and manufacturing unit in Riyadh. Excellect Customer Service Division in Riyadh with Branch Office, Showrooms, and Warehouses are in Riyadh, Dammam, Jeddah and Makah. With these facilities, we are able to provide superior service to all distant jobsites located in any part of Saudi Arabia

EXCELL-HVAC products are complimented by special design to fit specific application requirements. Excellect continuously enhancing our product features duly introducing new products to suffice the changing industry requirements which in order to improve the overall effectiveness of our products. Excellect is an ISO 9001:2015 certified establishment and EXCELL-HVAC also U/L listed.

Excellect committed to providing innovative, quality products at competitive prices in the shortest lead-time possible.

Bureau Veritas Certification

EXCELLECT A/C & REFRIGERATION COMPANY
Al Ahsa Street, Al Zahra District, Malaz, P.O. Box 6708, Riyadh 12812, Saudi Arabia

This is a multi-site certificate, additional site(s) are listed on the next page(s)
Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015
Scope of certification

MANUFACTURING, SALES OF HVAC (HEATING, VENTILATION AND AIR CONDITIONING) AIR FILTERS, AIR FILTRATION UNITS AND TRADING OF AIR CONDITIONING PERIPHERALS

Original cycle start date: 12-06-2017
Expiry date of previous cycle: 11-06-2023
Certification / Recertification Audit date: 26-07-2023
Certification / Recertification cycle start date: 15-11-2023
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: 11-06-2026

Certificate No.: SA003292 Version: 1 Issue date: 15-11-2023

Signed on behalf of BVCH SAS UK Branch
Certification Body Address: 3th Floor, 66 Finsbury Street, London, E1 6BG, United Kingdom
Local Office: Bureau Veritas Company, Al Rajha Tower, 4th Floor, King Abdulaziz Road, P.O. Box 20189, Al Khobar 31952, Kingdom of Saudi Arabia
Further clarification regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +966 11 8821071
UKAS Certificate Template Audit Site No. 4.1

1/2 28 Aug 2023

Bureau Veritas Certification

EXCELLECT A/C & REFRIGERATION COMPANY
ISO 9001:2015

Scope of certification

Site Name	Site Address	Site Scope
EXCELLECT A/C & REFRIGERATION COMPANY HEAD OFFICE	Al Ahsa Street, Al Zahra District, Malaz, P.O. Box 6708, Riyadh 12812, Saudi Arabia	MANUFACTURING, SALES OF HVAC (HEATING, VENTILATION AND AIR CONDITIONING) AIR FILTERS, AIR FILTRATION UNITS AND TRADING OF AIR CONDITIONING PERIPHERALS
EXCELLECT A/C & REFRIGERATION COMPANY FACTORY	STREET NO. 11, 2ND INDUSTRIAL CITY, P.O. BOX 2041 RIYADH 14334, Saudi Arabia	MANUFACTURING, SALES OF HVAC (HEATING, VENTILATION AND AIR CONDITIONING) AIR FILTERS, AIR FILTRATION UNITS, PAPER CUPS AND TISSUES

Certificate No.: SA003292 Version: 1 Issue date: 15-11-2023

Signed on behalf of BVCH SAS UK Branch
Certification Body Address: 3th Floor, 66 Finsbury Street, London, E1 6BG, United Kingdom
Local Office: Bureau Veritas Company, Al Rajha Tower, 4th Floor, King Abdulaziz Road, P.O. Box 20189, Al Khobar 31952, Kingdom of Saudi Arabia
Further clarification regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +966 11 8821071
UKAS Certificate Template Audit Site No. 4.1

1/2 28 Aug 2023

CERTIFICATE OF REGISTRATION

This Certificate has been awarded to

EXCELLECT A/C & REFRIGERATION COMPANY
Street No. 3810, 2nd Industrial City, P.O. Box 3041, Riyadh 13354, Kingdom of Saudi Arabia

In recognition of the organization's Management System which complies with

ISO 45001:2018
(Occupational Health and Safety Management System)

The scope of activities covered by this certificate is defined below

Manufacturing, Sales of HVAC (Heating, Ventilations and Air Conditioning), Air Filters, Air Filtration Units, Trading of Air Conditioning Peripherals, Paper Cups, Bags and Tissues.

EA Code: -29 & 35

Certificate Number: SIS2002240097
Date of Issue of Original Certificate: 18.09.2024
Date of Issue of Latest Certificate: 18.09.2024
Expiry Date: 11.09.2025
Re-certification Due on: 18.01.2027

Managing Director

Note: This certificate is valid only if produced with the continuation letter after the surveillance is carried out successfully.

The Organization's documentation and implementation has been reviewed and found to comply with the relevant standard rules. This certificate of Registration is based on the evaluation of the mentioned scope given above. Organization is responsible for maintaining the responsibilities of the relevant standard rules. Any significant changes in the scope of the certification or standard referred above render this certificate invalid. This is an accredited certificate issued by IAS Certification Ltd, UK, accredited for issue by International Accreditation Services, 3060 Sauer Street Suite 100 Brea, California 92611-1732, USA. Email: info@iascertification.com. Web: www.iascertification.com. International office(S): Office 303, Building No. 106, Road 2705, Block 107, Miraflores de la Sierra, Spain.

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CERTIFICATE OF REGISTRATION

This Certificate has been awarded to

EXCELLECT A/C & REFRIGERATION COMPANY
Street No. 3810, 2nd Industrial City, P.O. Box 3041, Riyadh 13354, Kingdom of Saudi Arabia

In recognition of the organization's Management System which complies with

ISO 14001:2015
(Environmental Management System)

The scope of activities covered by this certificate is defined below

Manufacturing, Sales of HVAC (Heating, Ventilations and Air Conditioning), Air Filters, Air Filtration Units, Trading of Air Conditioning Peripherals, Paper Cups, Bags and Tissues.

EA Code: -29 & 35

Certificate Number: SIS200224E007
Date of Issue of Original Certificate: 18.09.2024
Date of Issue of Latest Certificate: 18.09.2024
Expiry Date: 11.09.2025
Re-certification Due on: 18.01.2027

Managing Director




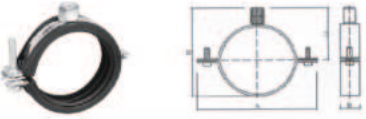


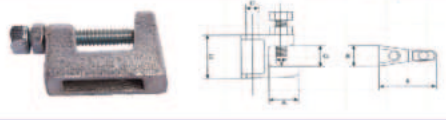





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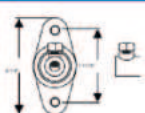

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Adjustable Clevis Hanger

Field of Application:

- To support suspended pipes.

Advantages:

- Made of Carbon Steel

Construction Features:

- Designated for chilled water pipeline and fire fighting systems.
- Design permits vertical adjustment of pipe after installation.
- Hanger load nut above clevis must be tightened securely to ensure proper hanger performance.

Technical Data:

- Electro galvanized as per ASTM B 633 standards.



Size Inches	Upper Part mm	Lower Part mm	Bolt Size mm	Width mm	D	Max Load Kgs.
1"	2.5	2.5	M6	25	35	250
1-1/4"	2.5	2.5	M6	25	42	250
1-1/2"	2.5	2.5	M6	25	48	250
2"	2.5	2.5	M8	25	60	250
2-1/2"	2.5	2.5	M10	30	73	250
3"	3	3	M10	30	89	275
4"	3	3	M10	30	115	275
6"	3	3	M12	30	168	275
8"	4	4	M12	32	219	525
10"	4	4	M14	40	273	525
12"	4	4	M14	40	323	525

- Measurements are subject to 5% tolerance.

Adjustable Clevis Hanger with Rubber

Field of Application:

- To support suspended pipes.

Advantages:

- Made of Carbon Steel

Construction Features:

- Designated for chilled water pipeline and fire fighting systems.
- Design permits vertical adjustment of pipe after installation.
- Hanger load nut above clevis must be tightened securely to ensure proper hanger performance.
- EPDM lining for suppression of sound and vibration.

Technical Data:

- Electro galvanized as per ASTM B 633 standards.



Size Inches	Upper Part mm	Lower Part mm	Bolt Size mm	Width mm	D	Max Load Kgs.
1"	2.5	2.5	M6	25	35	250
1-1/4"	2.5	2.5	M6	25	42	250
1-1/2"	2.5	2.5	M6	25	48	250
2"	2.5	2.5	M8	25	60	250
2-1/2"	2.5	2.5	M10	30	73	250
3"	3	3	M10	30	89	275
4"	3	3	M10	30	115	275
6"	3	3	M12	30	168	275
8"	4	4	M12	32	219	525
10"	4	4	M14	40	273	525
12"	4	4	M14	40	323	525

- Measurements are subject to 5% tolerance.

Plain Split Clamps

Field of Application:

- Suitable for fixing in housing and industrial areas.
- Suitable for fastening of drinking water and heating pipes.
- For indoor use.

Advantages:

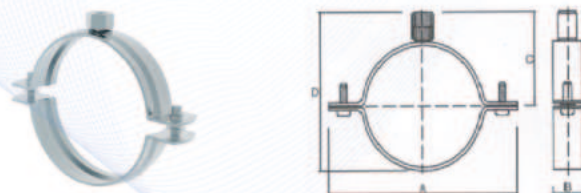
- Made of Mild Steel
- Proven two piece clamp
- The 2 locking screws allow adjustment to accommodate a greater variation in pipe diameter.
- The pipe is free to move during the installation.
- Tightening bolts with combination captive cross-head convenient for power driver.

Construction Features:

- Strengthened lock bolts for high load capacity.
- Can be used for both horizontal & vertical.
- Lock bolt with combi cross recessed head.
- M6 side screw with PE captive disc.
- Grooved construction for added strength.

Technical Data:

- Welded nut M8/M10 with option of M10/m12.
- M6 side nuts can be provided on request.
- Electro galvanizes as per ASTM B 633 Standards.



Copper (mm)	Steel (Sch 40)		UPVC/PE	ABS
	Inches	mm		
15, 18		16		
22	1/2"	22	20	DN15 (21.4)
24, 28	3/4"	28	25	DN20 (26.8)
35	1"	35	32, 38	DN25 (33.6)
42	1-1/4"	42	40, 43	DN32 (42.3)
	1-1/2"	48	45	DN40 (48.3)
54			54	
64	2"	60	60	DN50 (60.4)
67, 70			70	
76	2-1/2"	75	75	DN65 (75.4)
80			83	
	3"	90	90	
102, 105			102	DN80 (88.9)
108			110	
	4"	115	115	DN100 (114.3)
125			125	
			135	
	5"	140	140	DN125 (140.2)
			152	
159			160	
167	6"	168		DN150 (168.3)
206			200	
	8"	219	220, 225	DN200 (225.0)
			250	DN225 (250.4)
				DN300 (315.5)

Plain Split Clamps

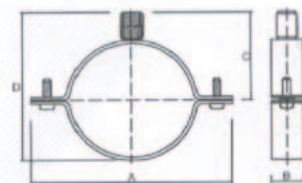
Size Inches	Dia mm	Range mm	Dimensions (mm)				Thickness mm	Break Load Kgs	Safe Load Kgs
			A	B	C	D			
3/8"	15	15-19	60	20	26	36	1.6	450	150
1/2"	22	20-25	65	20	29	43	1.6	450	150
3/4"	28	26-30	70	20	32	50	1.6	450	150
1"	35	32-36	85	20	36	56	1.6	450	150
1-1/4"	42	38-43	92	20	39	63	1.6	450	150
1-1/2"	48	47-51	98	20	42	72	1.6	450	150
	54	53-58	104	20	45	75	1.6	450	150
2"	60	60-64	110	20	48	81	1.6	450	150
	63	63-66	115	20	51	88	1.6	450	150
	70	68-72	120	20	53	91	1.6	450	150
2-1/2"	75	74-80	125	20	56	96	1.6	450	150
	83	81-86	139	20	60	108	1.6	450	150
3"	90	87-92	146	20	63	111	2	600	200
3-1/2"	100	99-105	156	20	68	121	2	600	200
	110	107-112	166	20	73	131	2	600	200
4"	115	113-118	171	20	75	136	2	600	200
	125	125-130	181	20	81	146	2	600	200
	133	131-137	184	20	85	154	2	600	200
5"	140	138-142	196	20	88	161	2	600	200
	150	148-153	206	20	93	171	2	600	200
	160	159-166	216	20	98	181	2	600	200
6"	168	168-172	224	20	102	189	2	600	200
8"	200	200-212	256	20	118	221	2.5	600	300
	220	215-220	276	20	128	241	2.5	600	300
10"	250	269-274	306	20	143	271	2.5	600	300
12"	315	313-318	371	20	176	336	2.5	600	300

- Measurements are subject to 5% tolerance

Rubber Lined Split Clamps

Field of Application:

- Suitable for fixing in housing and industrial areas.
- Suitable for fastening of drinking water and heating pipes.
- For indoor use.



Advantages:

- Made of Mild Steel
- Proven two piece clamp.
- The 2 locking screws allow adjustment to accommodate a greater variation in pipe diameter.
- The pipe is free to move during the installation.
- Tightening bolts with combination cross-head convenient for power driver.

Construction Features:

- Strengthened lock bolts for high load capacity.
- Can be used for both horizontal & vertical.
- Lock bolt with combi cross recessed head.
- M6 side screw with PE captive disc.
- EPDM lining for suppression of sound and vibration.
- Grooved construction for added strength.

Technical Data:

- Welded nut M8/M10 with option of M10/m12.
- Safe and brake load as per chart.
- M6 side nuts can provided on request.
- Electro galvanizes as per ASTM B 633 Standards.

Copper (mm)	Steel (Sch 40)		UPVC/PE	ABS
	Inches	mm		
15, 18		16		
22	1/2"	22	20	DN15 (21.4)
24, 28	3/4"	28	25	DN20 (26.8)
35	1"	35	32, 38	DN25 (33.6)
42	1-1/4"	42	40, 43	DN32 (42.3)
	1-1/2"	48	45	DN40 (48.3)
54			54	
64	2"	60	60	DN50 (60.4)
67, 70			70	
76	2-1/2"	75	75	DN65 (75.4)
80			83	
	3"	90	90	
102, 105			102	DN80 (88.9)
108			110	
	4"	115	115	DN100 (114.3)
125			125	
			135	
	5"	140	140	DN125 (140.2)
			152	
159			160	
167	6"	168		DN150 (168.3)
206			200	
	8"	219	220, 225	DN200 (225.0)
			250	DN225 (250.4)
				DN300 (315.5)

Rubber Lined Split Clamps

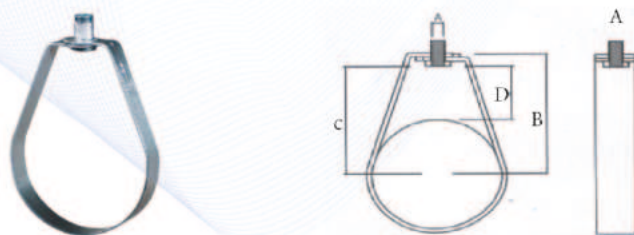
Size Inches	Dia mm	Range mm	Dimensions (mm)				Thickness mm	Break Load Kgs	Safe Load Kgs
			A	B	C	D			
3/8"	15	15-19	60	20	26	36	1.6	450	150
1/2"	22	20-25	65	20	29	43	1.6	450	150
3/4"	28	26-30	70	20	32	50	1.6	450	150
1"	35	32-36	85	20	36	56	1.6	450	150
1-1/4"	42	38-43	92	20	39	63	1.6	450	150
1-1/2"	48	47-51	98	20	42	72	1.6	450	150
	54	53-58	104	20	45	75	1.6	450	150
2"	60	60-64	110	20	48	81	1.6	450	150
	63	63-66	115	20	51	88	1.6	450	150
	70	68-72	120	20	53	91	1.6	450	150
2-1/2"	75	74-80	125	20	56	96	2	600	200
	83	81-86	139	20	60	108	2	600	200
3"	90	87-92	146	20	63	111	2	600	200
3-1/2"	100	99-105	156	20	68	121	2	600	200
	110	107-112	166	20	73	131	2	600	200
4"	115	113-118	171	20	75	136	2	600	200
	125	125-130	181	20	81	146	2	600	200
	133	131-137	184	20	85	154	2	600	200
5"	140	138-142	196	20	88	161	2	600	200
	150	148-153	206	20	93	171	2	600	200
	160	159-166	216	25	98	181	2	600	200
6"	168	168-172	224	25	102	189	2	600	200
8"	200	200-212	256	25	118	221	2.5	900	300
	220	215-220	276	25	128	241	2.5	900	300
10"	250	269-274	306	25	143	271	2.5	900	300
12"	315	313-318	371	25	176	336	2.5	900	300

- Measurements are subject to 5% tolerance

Sprinkler Clamps

Field of Application:

- For use in fire fighting and Sprinkler application.
- Used for free hanging of horizontal pipe lines.
- Pipe Level can be adjustable vertically after installation



Advantages:

- Knurled Swivel nut provides a gripping surface when adjusting the pipe elevation.
- Mounting without any tools.

Construction Features:

- Lips are dimpled at bend for added strength
- One piece of clip guarantees a high permissible load
- Locking device allows easy remounting.
- Adjustable in height.

Technical Data:

- Designated to meet MSS-SP58, Type-10.
- Electro galvanized as per ASTM B 633 Standards.

Size Inches	Dia (D) mm	Rod (A) mm	Thickness mm	Width mm	Total Height (H)	Safe Working (Kgs.)
3/4"	28	M10	1.2	19	61	200
1"	35	M10	1.2	19	68	200
1-1/4"	42	M10	1.2	19	75	200
1-1/2"	48	M10	1.2	19	81	200
2"	60	M10	1.2	19	100	200
2-1/2"	73	M10	1.5	19	120	300
3"	89	M10	1.5	19	135	300
4"	115	M10	1.5	19	165	300
6"	168	M10	2	25	230	400

- Measurements are subject to 5% tolerance

Rubber Lined Sprinkler Clamps

Field of Application:

- For use in fire fighting and Sprinkler application.
- Used for free hanging of horizontal pipe lines.
- Pipe Level can be adjustable vertically after installation.



Advantages:

- Knurled Swivel nut provides a gripping surface when adjusting the pipe elevation.
- Mounting without any tools.

Construction Features:

- Lips are dimpled at bend for added strength.
- One piece of clip guarantees a high permissible load.
- Locking device allows easy remounting.
- Adjustable in height.
- EPDM lining for suppression of sound and vibration.

Technical Data:

- Designated to meet MSS-SP58, Type-10.
- Electro galvanized as per ASTM B 633 Standards.

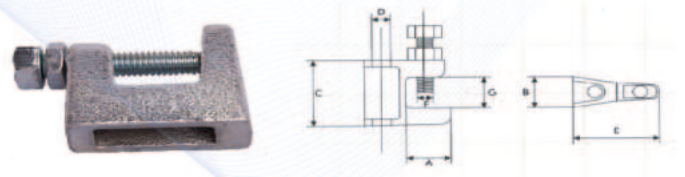
Size Inches	Dia (D) mm	Rod (A) mm	Thickness mm	Width mm	Total Height (H)	Safe Working (Kgs.)
3/4"	28	M10	1.2	19	61	200
1"	35	M10	1.2	19	68	200
1-1/4"	42	M10	1.2	19	75	200
1-1/2"	48	M10	1.2	19	81	200
2"	60	M10	1.2	19	100	200
2-1/2"	73	M10	1.5	19	120	300
3"	89	M10	1.5	19	135	300
4"	115	M10	1.5	19	165	300
6"	168	M10	2	25	230	400

- Measurements are subject to 5% tolerance

Girder Clamps

Advantages:

- For attachment of pipelines, air ducts and sprinkler systems on steel girders.
- Fixing on girder without welding or drilling.
- Subsequent alignment on the girder possible.
- Quick, subsequent height adjustment of the threaded rods at the non-threaded through-hole.



Construction Features:

- Malleable Cast Iron.
- Zinc Plated Casting tolerance according to DIN 1684 GTA/17.
- Hexagon Threaded Head Screw DIN 933 8.8.
- Threaded and with Cup Point (RS) according to EN ISO 4753.

Technical Data:

- Applicable for Sprinkler systems, heating, ventilation air conditioning, acoustic tubes and sanitary installations.

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Weight gms	Load Kgs
21	19	35	8	35	9	18	81	120
29	21	42	10	41	10	20	143	250
35	23.5	54	12	48	10	26	216	350

Lined Offset Clamp

- Specifications:
- Designated for fixing pipes away from wall or floor.
 - Extended Clamps permit internal field adjustment of distance .
 - High quality rubber lining for sound suppression.
 - Suitable for Riser.
 - Available without rubber.

- Technical Details:
- Mild Steel
 - Electro galvanize as per ASTM B633 standard.



Size (Inch)
1
1-1/4
1-1/2
2
2-1/2
3
4
5
6
8

Nail Clamp

- Specifications:
- Designated for fixing pipe directly to the wall and avoid additional accessories .
 - Electro galvanized for corrosion resistance.
 - Available with or without rubber
 - Suitable for all types of pipes for horizontal, vertical & ceiling suspension.
 - Quick Installation.

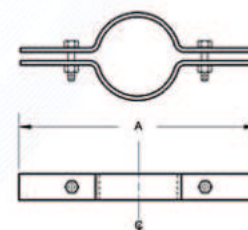


Size (Inch)
3/4
1
1-1/4
1-1/2
2
2-1/2
3
3-1/2
4
5
6
8

Riser Clamp

Field of Application:

- For rigid support of steel pipe risers.



Specifications:

- Suitable for use with all types of pipes.
- Ideal Solution for providing rigid support or guides for all types of vertical piping due to its rugged design.
- Ensures stability under large lateral loads.

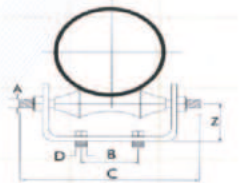
Pipe Size	Length A	Metal Size Mm	Bolt Size mm	Max Load Kgs.
1/2"	200	5x25	M10	80
3/4"	210	5x25	M10	90
1"	230	5x25	M10	100
1-1/4"	260	5x25	M10	120
1-1/2"	260	5x25	M10	120
2"	260	5x25	M10	150
2-1/2"	290	6x25	M12	200
3"	290	6x25	M12	250
3-1/2"	330	6x25	M12	350
4"	330	6x25	M12	350
5"	350	6x40	M16	550
6"	380	6x40	M16	700
8"	470	9x40	M16	900
10"	520	9x50	M16	1100
12"	580	12x50	M20	1100
14"	610	12x50	M20	1600
16"	660	16x60	M20	1600
18"	710	16x60	M20	1900
20"	760	16x60	M20	1900
24"	880	16x60	M20	2400

- Measurements are subject to 5% tolerance

Roller Chair

Specification:

- Materials: Roller-Cast iron, Chair-Carbon Steel, Roller Pin-Carbon Steel & MS Nut and Bolts.
- Standard Finish: Electro-plated Zinc. Hot dipped Galvanized parts can also be supplied upon request.
- Service: Designated to support pipe where axial movements are allowed, and vertical adjustments are required.



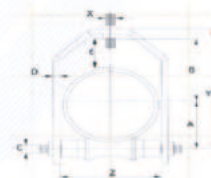
Size Inches	Dimensions (mm)						Max. Recom. Load Kg
	A	B	C	D	Bracket Size	Z	
2"	12	35	110	12	6 x 32	40	350
2-½"	12	35	110	12	6 x 32	40	350
3"	12	50	145	12	6 x 32	45	350
3-1/2"	12	50	145	12	6 x 32	45	500
4"	12	50	180	16	8 x 40	50	500
5"	12	75	215	16	8 x 40	55	500
6"	19	80	250	16	10 x 50	60	500
8"	22	85	285	19	10 x 50	75	1200
10"	22	130	345	19	12 x 50	90	1200
12"	25	140	395	19	12 x 50	105	1500
14"	25	165	440	25	12 x 50	120	1500
16"	32	210	480	25	12 x 75	140	3500
18"	32	235	525	25	12 x 75	155	3500
20"	50	260	555	25	12 x 75	165	3500
24"	50	310	665	25	16 x 100	200	5500

- Measurements are subject to 5% tolerance

Roller Hanger

Specifications:

- Material: Steel frame with cast iron roller.
- Standard Finish: Electro-plated Zinc.
- Service: Designated to suspend pipes where axial movements required.
- Vertical adjustments are possible once the pipe is in place.



Size	Dimensions (mm)							Max. Recom. Load Kg
	A	B	Bracket Size	E	X	Y	Z	
1"	28	43	3 x 25	32	10	90	46	100
1-1/4"	33	46	3 x 25	32	10	96	47	100
1-1/2"	38	50	3 x 25	32	10	107	62	100
2"	41	57	3 x 25	32	10	122	64	125
2-1/2"	50	74	3 x 25	44	12	148	92	150
3"	56	81	6 x 32	44	12	161	94	150
3-1/2"	65	88	6 x 32	45	12	180	110	190
4"	69	93	6 x 40	46	12	192	122	250
5"	88	114	6 x 50	50	12	233	152	300
6"	102	125	6 x 50	50	19	260	180	300
8"	131	152	10x65	50	22	326	230	475
10"	161	178	10x65	50	22	381	285	475
12"	192	208	12x65	55	22	440	335	550
14"	212	221	12x65	55	25	478	372	550
16"	233	247	12x65	55	25	524	421	585
18"	267	283	12x65	65	25	590	474	675
20"	300	305	16x75	65	32	664	522	725
24"	351	367	16x100	75	32	788	630	975

- Measurements are subject to 5% tolerance

C - Clamp

Construction Features:

- Used to mount plain or Insulated Pipes.
- Can be used with Rubber Support Insert.

Technical Data:

- Mild Steel.
- Electro galvanized as per ASTM B 633 Standards



Size Inches	Dimension (mm)	Thickness (mm)	Width (mm)
½"	22	1.6	16
¾"	26	1.6	16
1"	28	1.6	16
1-1/4"	38	1.6	16
1-½"	48	1.6	16
2"	54	1.6	16
2-½"	74	1.6	16
3"	88	1.6	16
4"	114	1.6	16
6"	164	1.6	16

- Measurements are subject to 5% tolerance



C – Clamp with Ruber

Construction Features:

- Used to mount plain or Insulated Pipes.
- Can be used with Rubber Support Insert.
- EPDM Lining for suppression of sound & vibration

Technical Data:

- Mild Steel.
- Electro galvanized as per ASTM B 633 Standards.

Size Inches	Dimension (mm)	Thickness (mm)	Width (mm)
½"	22	1.6	16
¾"	26	1.6	16
1"	28	1.6	16
1-1/4"	38	1.6	16
1-½"	48	1.6	16
2"	54	1.6	16
2-½"	74	1.6	16
3"	88	1.6	16
4"	114	1.6	16
6"	164	1.6	16

- Measurements are subject to 5% tolerance

U-Strap Clamp

Construction Features:

- Used to mount plain or Insulated Pipes.
- Can be used with Rubber Support Insert.

Technical Data:

- Mild Steel.
- Electro galvanized as per ASTM B 633 Standards.

Specification:

- Designated for clamping plain or insulated pipes to standard channel supports such as trapeze hangers, floor stands and wall brackets.
- Slotted mounting holes for convenient installation.

Size Inches	Dimension (mm)			Thickness mm	Width mm
	D	A	B		
1/2"	22	76	51	3	25
3/4"	28	82	57	3	25
1"	35	89	64	3	25
1-1/4"	42	96	71	3	25
1-1/2"	48	102	77	3	25
2"	60	114	89	3	25
2-1/2"	75	145	113	3	25
3"	90	160	128	3	25
4"	115	185	153	3	25
6"	167	237	193	3	25
8"	219	289	257	4	38
10"	273	364	323	4	38
12"	323	414	373	4	38

- Measurements are subject to 5% tolerance



U-Strap Clamp With Rubber



Construction Features:

- Used to mount plain or Insulated Pipes.
- Can be used with Rubber Support Insert.
- EPDM Lining for suppression of sound & Vibration

Technical Data:

- Mild Steel.
- Electro galvanized as per ASTM B 633 Standards.

Specification:

- Designated for clamping plain or insulated pipes to standard channel supports such as trapeze hangers, floor stands and wall brackets.
- Slotted mounting holes for convenient installation.

Size Inches	Dimension (mm)			Thickness mm	Width mm
	D	A	B		
1/2"	22	76	51	3	25
3/4"	28	82	57	3	25
1"	35	89	64	3	25
1-1/4"	42	96	71	3	25
1-1/2"	48	102	77	3	25
2"	60	114	89	3	25
2-1/2"	75	145	113	3	25
3"	90	160	128	3	25
4"	115	185	153	3	25
6"	167	237	193	3	25
8"	219	289	257	4	38
10"	273	364	323	4	38
12"	323	414	373	4	38

- Measurements are subject to 5% tolerance

U - Bolt

Construction Features:

- High load capacity due to one piece design.
- Supplied with two or four nuts.



Technical Data:

- Steel and Electro galvanized for corrosion resistance for direct fixing to pipe clamps to channel systems.
- Designated to meet MSS SP-58-2002, Type 24

Size Inches	DIMENSIONS (MM)			
	A	W	L	T
1/2"	M6	20	52	26
3/4"	M6	25	54	28
1/2"	M8	21	55	30
3/4"	M8	27	65	30
1"	M8	38	75	37
1-1/4"	M8	48	85	37
1-1/2"	M8	52	90	38
2"	M8	63	100	38
1-1/2"	M10	54	95	38
2"	M10	65	110	38
2-1/2"	M10	75	125	50
3"	M10	90	140	50
4"	M10	120	175	55
5"	M10	150	190	55
6"	M10	170	225	55
6"	M12	175	230	55
8"	M12	230	290	80
10"	M12	290	330	90
12"	M12	360	400	100
8"	M16	235	300	80
10"	M16	295	340	90
12"	M16	365	405	100
14"	M16	400	430	100
16"	M16	450	470	100

- Measurements are subject to 5% tolerance

Rubber Support Insert

Construction Features:

- Dimensional accuracy ensured since each set individually machine molded.
- Effective means of preventing crushing of insulation at pipe points of chilled water, condenser water and domestic hot/cold water installation.
- RSI never corrosive to metal pipes.

Advantages:

- Excellent resistance to deterioration/distortion.
- Very high load bearing capacity.
- Unique tongue and groove designs reduces labor charges while installation and also eliminates possibility of air gaps or shift of insert.
- Resistance against vapor diffusion.

Specification: Compounded Rubber

Material : Black

Color : 0.16 w/m°C

Thermal Conductivity : 1300 kg/m³

Density : -20°C / 120°C

Temperature Range : 350 kg / cm2

Compressive Strength : 65 kgf / cm2

Tensile Strength : 175%

Elongation at Break : 1.50

Specific Gravity

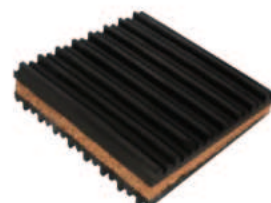


Anti Vibration Pads

Specification:

Cork Sandwich Pads are laminated pads having ½" thick close grained cork securely bonded between two layers of ¼" alternate low high ribbed Neoprene rubber pads. it offers highest level of sound attenuation and vibration isolation, no need for bolting.

Model No.	Size Inches	Load (PSI)	Load(kg/cm ²)
RUBA-AV181878	7/8" × 18" × 18"	16200	1139
RUBA-AV121278	7/8" × 12" × 12"	7200	506
RUBA-AV8878	7/8" × 8" × 8"	3200	225
RUBA-AV6678	7/8" × 6" × 6"	1000	126
RUBA-AV4478	7/8" × 4" × 4"	860	56
RUBA-AV3378	7/8" × 3" × 3"	450	31



Cork Sandwich Pads

Specification:

Metal Sandwich Pads are constructed of a steel plate bonded between Ribbed Anti Vibration Pads and designed for very high load capacity

Model No.	Size Inches	Load (PSI)	Load(kg/cm ²)
RUBA-AV18181M	1" × 18" × 18"	19440	1368
RUBA-AV12121M	1" × 12" × 12"	8640	607
RUBA-AV881M	1" × 8" × 8"	3840	270
RUBA-AV6634M	3/4" × 6" × 6"	2160	152
RUBA-AV4434M	3/4" × 4" × 4"	960	67
RUBA-AV3334M	3/4" × 3" × 3"	540	38

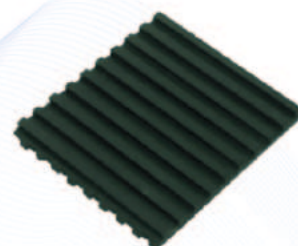


Metal Sandwich Pads

Specification:

- Alternate High/Low Ribbed Construction.
- Easy to Cut Pads can be cut to be slightly larger than the size of the leg or machine using shears or knife.
- Easy Filed Installation.
- Multiple layers of Ribbed Mounting Pad can be used increase deflection.

Model No.	Size Inches	Load (PSI)	Load(kg/cm ²)
RUBAAV181838	3/8"×18"×18"	12960	911
RUBAAV121238	3/8"×12"×12"	5760	404
RUBAAV8838	3/8"×8"×8"	2560	180
RUBAAV6638	3/8"×6"×6"	1440	101
RUBAAV4438	3/8"×4"×4"	640	45
RUBAAV3338	3/8"×3"×3"	360	25



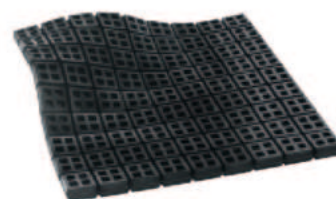
Ribbed Mounting Pad

Anti Vibration Pads

Specification:

- Designed with I built suction cups
- Easy cut design without tools allows job site flexibility
- No need for bolting
- Easy filed Installation

Model No.	Size Inches	Load (PSI)	Load(kg/cm ²)
WRP-181838	3/8"×18"×18"	12960	911
WRP-121238	3/8"×12"×12"	5760	404
WRP-8838	3/8"×8"×8"	2560	180
WRP-6638	3/8"×6"×6"	1440	101
WRP-4438	3/8"×4"×4"	640	45
WRP-3338	3/8"×3"×3"	360	25
WRP-181834	3/4"×18x18"	6830	480
WRP-121234	3/4"×12x12"	4410	310
WRP-8834	3/4"×8x8"	2915	205
WRP-6634	3/4"×6x6"	2135	150
WRP-4434	3/4"×4x4"	1495	105
WRP-3334	3/4"×3x3"	1065	75



Waffle Pads

Multi-Layer Anti-Vibration Pad

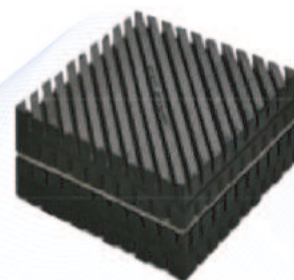
EXCELL Multi-Layer Anti Vibration Pads are the ideal solution for applications where pad type mountings are to be used. Featuring multiple patterned rubber sheets separated by steel load distribution plates which provide significantly better isolation of noise and vibration than single sheet pads.

Product Features:

- EXCELL Multi-Layer Anti Vibration Pad comprises multiple layers of resilient rubber in series. This permits higher deflection under load than feasible with a single layer.
- Load distribution plates ensure full pad and result more liner load-deflection characteristics.

Specifications:

Models	RUBA-AVS10010035 RUBA-AVS15015035
Construction	2 layers ribbed rubber sheet. 1 layer 16 gauge galvanized steel.
Loading	Recommended – 2.7 kg/cm ² (38 psi)
Loading	Range – 2 to 4 kg/cm ² (28 to 57 psi)
Deflection	Approx. 4.5mm at recommended load



Ribbed Mounting Pad

Due to continual improvement, the specifications are subject to change without prior notice and measurements are subject to 5% tolerance.

Neoprene Hanger

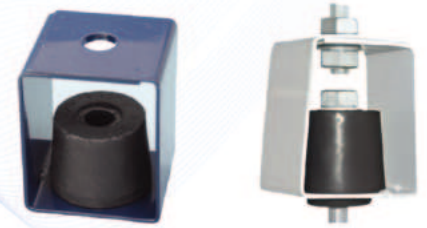
EXCELL Neoprene Hanger made from mild steel with epoxy powder coated. The elements has embedded steel plate and exclusive locking-lip feature. It designed for isolation of noise and high frequency mechanical vibration produced by suspended equipment, pipes ducts.

Product Features:

- The hollow conical elements are designed so that loading of the rubber takes place in shear as well as compression. This permits higher deflection and ensures better isolation performance than solid rubber elements.
- Projecting bush of element prevents short-circuiting, by eliminating possible contact between frame and lower rod.
- Exclusive locking-lip feature of bush centralizes the element and prevents its dislocation / looping.
- Steel load distribution plate embedded at top of element
- Fully corrosion resistant construction – epoxy powder coated frame, load plate completely molded in rubber.

Load Rating: 18 to 100 Kg. per hanger.

Deflection: 5mm to 13mm.



Duct Mount

Product Features:

- Supplied compete with top and bottom elect galvanized steel load distribution cups.
- Extended sleeve of rubber element prevents metal to metal contact between suspension rod and suspension bracket / trapeze channel.
- It is available in two different sizes to suit width of duct equipment suspension channel.

Mounts serve as acoustic separators between sources of high frequency vibration and their suspension rods, to control transmission of noise to the building structure.



SELECTION TABLE FOR DUCT MOUNTS				
Model	Capacity (kg)	Dimensions		Recommended suspension
		H	D	
DM32	30	26	32	M8
DM42	50	26	44	M8/M10

Rubber Base For Air-Condensing Unit - ERB

EXCELL RUBBER BASE specifically designed for Air Condensing Unit. It stand possesses both high compressive strength and weather resistance. It reducing vibration and noise with withstand load upto 60 Kg. per piece.



Technical Specifications

Color	Black
Tensile Strength	Minimum 6.5 Mpa
Hardness	75 ± 5 Shore A

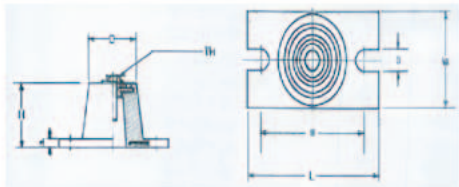
Neoprene Floor Mount

EXCELL Molded Neoprene Floor Mount specially designed for isolation of noise and high frequency mechanical vibration produced by floor mounted equipment. Incorporates extended steel base plate fully embedded in rubber.



Product Features:

- Excell Neoprene Floor Mounts are designed so that rubber is loaded in shear as well as compression. This permits higher deflection, while protecting against distortion due to overloading.
- Ribbed, non –skid top and bottom surfaces. Eliminate need for bolting down in most applications.
- Threaded Steel load distribution plate embedded at top.
- Extended rectangular steel base plate for greater stability.
- Fully corrosion resistant one-piece construction – all metal parts molded in neoprene.



Rated Cap		Rated Def.		Durometer	Dimension							Setting	
MODEL			Color Code										
	Kg	mm				L	W	H	a	B	c	d	Bolt
ENM100	25-100	2-6	Black			80	41	37	65	10	30	6	M8XL40
ENM300	150-300	6-10	Black	65 ±5		100	57	47	88	13	45	6	M10XL50
ENM750	350-750	8-16	Black			140	83	65	120	15	66	10	M12XL50

Strut Loop Clamp

The EXCELL-HVAC Strut Loop Clamp specially developed as a guide to permit longitudinal movement of pipe.

APPLICATION & FEATURES

The EXCELL-HVAC Strut Loop Clamp with two-part for direct fixing of pipes to Strut Rail.
 The both ends of EXCELL-HVAC Strut Loop Clamp suitable for locating into Strut Rail with lower clamp supported against the slippage.



Item #	DN Size		Thickness (mm)	Surface Treatment	Packing
	(mm)	(inch)			
ELH012	15	1/2"	1.4	Zinc Plated	250 Set /Box
ELH034	20	3/4"	1.4	Zinc Plated	250 Set /Box
ELH1	25	1"	1.4	Zinc Plated	200 Set /Box
ELH114	32	1 1/4"	1.5	Zinc Plated	200 Set /Box
ELH112	40	1 1/2"	1.5	Zinc Plated	200 Set /Box
ELH2	50	2"	1.5	Zinc Plated	150 Set /Box
ELH212	65	2 1/2"	1.5	Zinc Plated	100 Set /Box
ELH3	80	3"	1.5	Zinc Plated	100 Set /Box
ELH4	100	4"	1.5	Zinc Plated	90 Set /Box
ELH5	125	5"	1.5	Zinc Plated	50 Set /Box
ELH6	150	6"	1.7	Zinc Plated	45 Set /Box
ELH8	200	8"	2.0	Zinc Plated	40 Set /Box
ELH10	250	10"	2.0	Zinc Plated	40 Set /Box
ELH12	300	12"	2.0	Zinc Plated	30 Set /Box
ELH14	350	14"	2.0	Zinc Plated	25 Set /Box
ELH16	400	16"	2.0	Zinc Plated	20 Set /Box

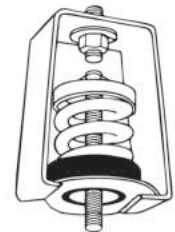
Spring Hanger

The EXCELL-HVAC Spring Hangers are developed to provide high efficiency isolation from frequency vibrations and noise produced by suspended mechanical equipment.

The EXCELL-HVACE Spring Hangers are suitable for suspension of all types of mechanical equipment. Its range of Application includes Air Handling Units, Fan Coil Units, Centrifugal / Axial Fans, Condensing Units, Piping, Air-Ducts etc.

The Neoprene cup serves as a noise break for high frequencies in the audible range and Hanger Frame designed to accommodate lower rod misalignment over 30° arc.

The Steel Frame specially built to withstand the rated load capacity of the hanger without failure. Both Spring Hanger and Frame are epoxy powder coated.



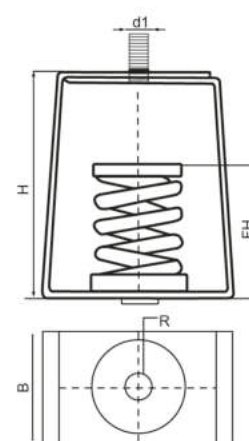
Item Code	Capacity	Specification (mm)					
		H	Upper Length	Width	Aperture	Screw Rod	Thickness
ESH-10	3 ~10	80	40	35	11	M8	15
ESH-20	10 ~20	80	60	35	13	M8	15
ESH-30	20 ~30	123	60	45	105	M8	25
ESH-50	30 ~50	126	60	50	13	M10	3
ESH-80	50 ~80	130	63	55	13	M10	3
ESH-120	80 ~120	150	70	60	13	M12	3
ESH-160	120 ~160	155	70	65	13	M12	3
ESH-200	160 ~200	200	100	80	19	M14	4
ESH-240	200 ~240	200	100	80	19	M14	4
ESH-300	240 ~300	200	100	80	19	M16	4
ESH-450	300 ~450	200	100	80	20	M16	4
ESH-650	450 ~650	230	100	80	20	M16	5
ESH-1000	650 ~1000	230	100	80	20	M20	5

Spring Mount

The EXCELL-HVAC SPRING MOUNT ESM originally designed to use for Isolation of heavy equipment. It is widely used to isolate vibration from every conceivable type of rotating and reciprocating machine.

Features :

The EXCELL-HVAC SPRING MOUNT ESM has the spring between upper and bottom housings. An anchor hose is on the bottom housing and the tap is on the top housing. It allows level control of the bolt with a level bolt and nut to be used. The spring cap with a bolt guided hole is at the top of the spring to distribute the load transferred from the level bolt and the anti-frictioner fixed between upper and bottom housings. It reduces attenuation and friction caused by left-right, top-down relative displacement while the equipment runs.

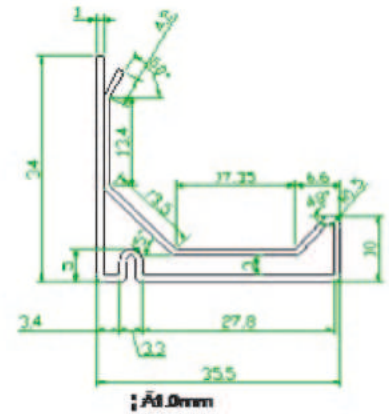
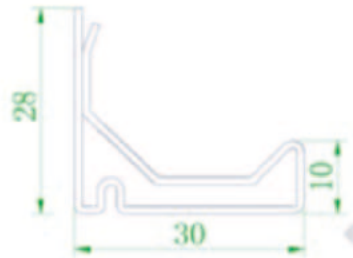
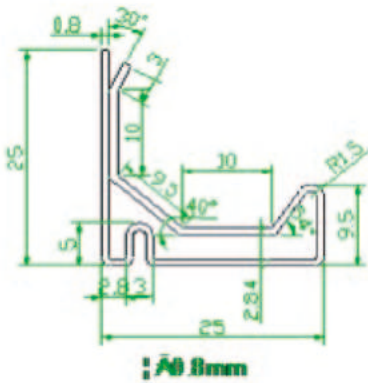
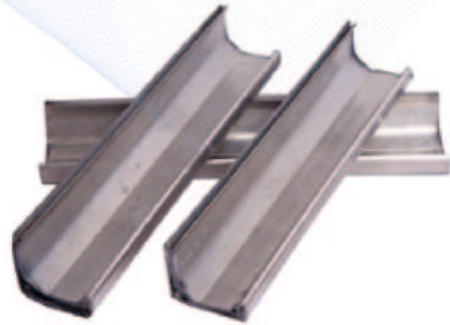


Model	Capacity (Kg)
ESM - 100	100
ESM - 150	150
ESM - 200	200
ESM - 300	300
ESM - 400	400
ESM - 500	500
ESM - 600	600
ESM - 750	750
ESM - 1000	1000
ESM - 1200	1200
ESM - 2000	2000 Dual spring

Application

- ☐ Heavy Blowers
- ☐ Power Generators
- ☐ Pumps
- ☐ Refrigerators
- ☐ Compressors
- ☐ Air conditioning units
- ☐ Ventilators
- ☐ Heavy Presses
- ☐ Cooling Towers
- ☐ Large Machinery
- ☐ Equipment with a large horizontal reaction
- ☐ 25 mm deflection
- ☐ Height adjustable
- ☐ Powder coated spring and body

Flanges



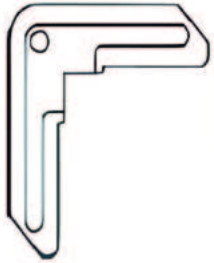
EXCELL Flange produced through Galvanized Sheet and it manufactured by precision roll-forming operation. It complying International Industry standards.

EXCELL Flange available as normal flange and for special applications with integral sealant for better result on all pressure class applications.

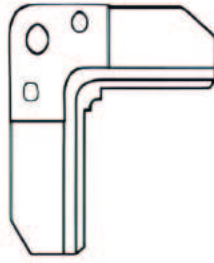
EXCELL Flange production system implemented with Automated Non Drying Sealing Compound Injection.

Corners & G-Clamp With Hex Bolt

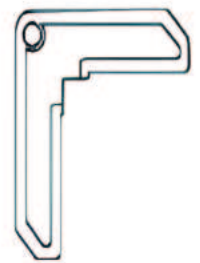
EXCELL CORNERS are manufactured out of cold rolled mild steel and galvanized after production



XL225



XL233

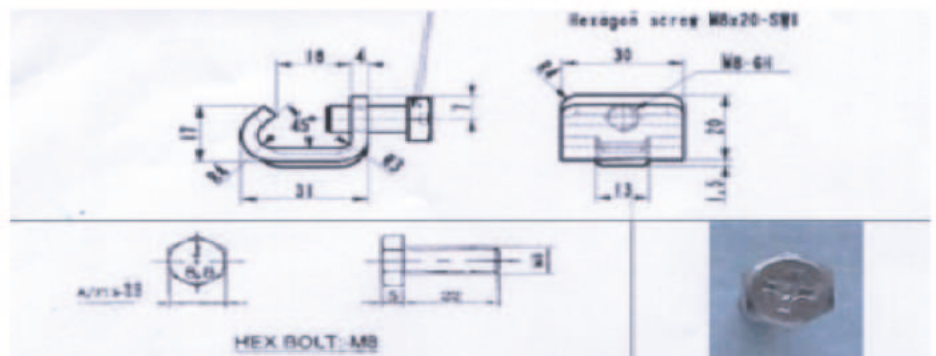


XL235

System Code	Material Description	Material Type	Nominal Material Thickness (mm)
XL225	EXCEL - CORNER - 25 NL	Galvanized Steel	1.20
XL233	EXCEL - CORNER - 30 NL	Galvanized Steel	2.50
XL235	EXCEL - CORNER - 35 NL	Galvanized Steel	1.50

G-CLAMP

G-CLAMP WITH HEX BOLT are produced with Pre Formed Zinc-Coated Steel



- Metal Grade: AISI 1009 / Q235
- Zinc Plating: 8-12 μm
- Bolt: M8 Grade 8.8 hex head bolts, with star head
- Thickness : 2.8 ~2.5

Self Adhesive Hangers

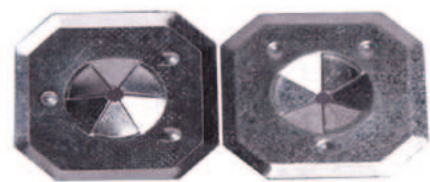
Base Dimension:50 mm X 50 mm Galvanized 28 Gauge Steel

Model	Pin Length (Inches)
E114	1.25
E134	1.75
E2	2.00
E212	2.50
E412	4.50



Washers

EXCELL-HVAC Pin Washer manufactured with 30 Gauge Galvanized steel for securing insulation with Spotter Pins. It developed with Area 1-1/4" X 1-1/4" and Hole Dia.: 2mm



Rib Pins

EXCELL-HVAC Rib Pins specially developed with dished Washers, ribbed nails for faster post weld cooling and precision points to assure uniform Quality. The needle sharp point enables the operator for easily push the weld pin though the insulation into firm electrical contact with the metal duct.

EXCELL-HVAC Rib Pins are available in 1/2", 3/4", 1", 1-1/2", 2" Length.



EWM Excell spotter machine

The EXCELL-HVAC Pin Spotter Machine specially designed welding transformers allow to deliver more power, precisely timed to the welding tip. The EXCELL-HVAC Pins Spotter Machine will weld pins from ½ inch to 4 inches long on steel from 26 to 20 gauge.



Specifications

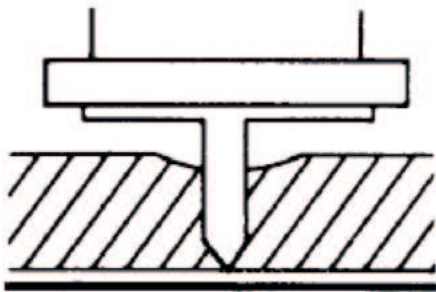
Input Voltage /Frequency	AC220V -2P, 50/60 HZ
Rated Current	10A
Power	Electrolytic Capacitor
Output Voltage	35-200V DC
House of Machine	Powder Coated Steel House
Protection Class	IP31
Welding Speed	Max. 40 pcs/minute (depending on the output voltage and diameter of Duct Pin)
Welding Scale	Duct Pin
Cable Length	10 foot
Charging Capacity	108000uf
Charging Voltage	35-200V
Welding Time	0.001 - 0.003 S
Input Power	500W
Welding Method	Welding Gun Type
Machine Weight	18 KG
Overall Dimension	480X220X300mm

Part Numbers:

Machine	EWM
Spare parts (Gun with cable)	EWM-G
Spare parts (round plate)	EWM-P

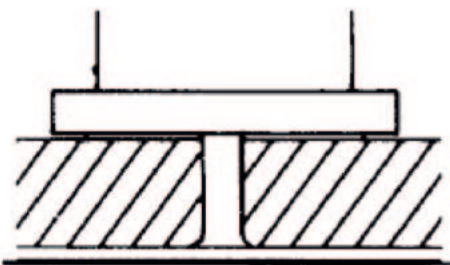
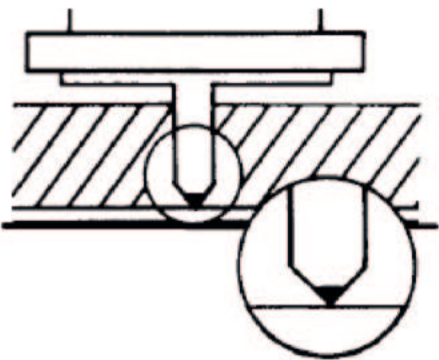
EWM Excell spotter machine

Guidline for Fastners Installation



The needle sharp point enabeles the operator for easy push the fastner through the insulation into firm electrial contact with the metal duct.

The welding cycle activated by pressing the switch on the Gun. Current flowing through the fastener's high resistance point of contact creates instantaneous welds of extremely high strength.

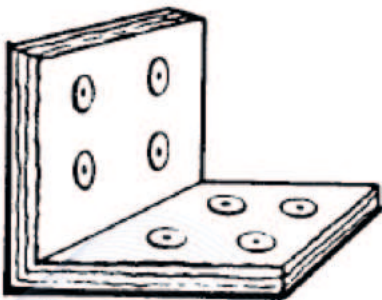


The flow of material during the weld, firmly attach and supports the fastener .
It prevents breakaway while handling ducts during transport and installation.

The Fasteners are permanently welded in position flush with insulation.

Part Numbers:

For ½" insulation (5000/BOX)	ERP12
For 1" insulation (5000/BOX)	ERP1
For 2" insulation (1000/BOX)	ERP2



Damper Regulator

The EXCELL-HVAC Damper Regulators are heavy gauge plated steel which minimize air leakage and reduce rattle. A wing nut locks the damper in position, permits quick readjustment.

Item #	Dimension	Specification		Qty
		Finish	Material	
EDR14	1/4	Plated	Steel	10 PCS / Box



Damper Regulator Big

Item #	Specification		Qty
	Finish	Material	
EDR - L	Plated	Steel	10 PCS / Box



Camlock

The EXCELL-HVAC Camlocks are Access Door Locking Device made with Stainless Steel with below specification.

Item #	Specification		Packing
ECL	Size:	0.50" X 0.875" X 2.43	100 Sets/Box
	Composition	Steel	
	Finish	Zinc Plated	



HVAC Strap & Screw (ESS)

EXCELL- HVAC Strap & Screw (ESS) is a self-aligning strap and set screws which offers an extensive line of stainless- steel hardware with low-cost alternative.

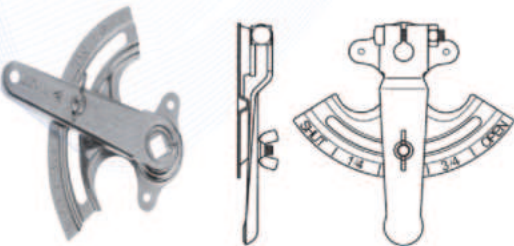


Specification

Weight	11 Pounds (lbs.)
Length	7 Inches (In)
Width	4 Inches (In)
Height	7 Inches (In)
Color	Silver
Finish	Zinc Plate
Gauge	11 GA
Packing	100 Pcs. /Box

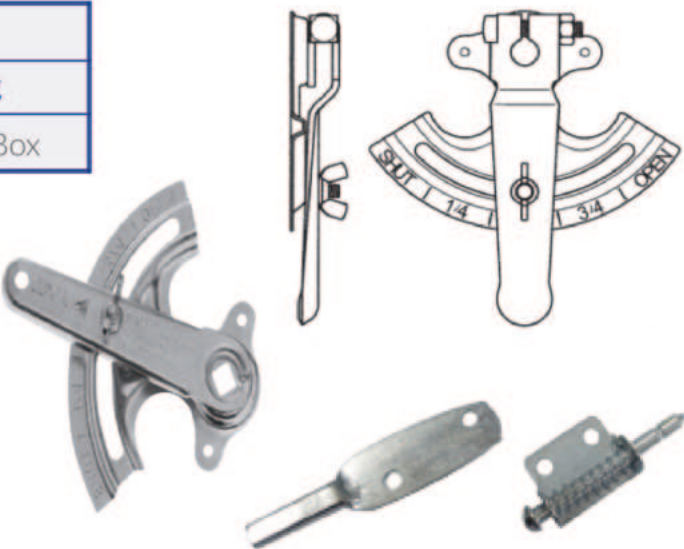
Shaft Lock

1/2" Shaft Lock		
Item #	Shaft Description	Packing
ESL12	1/2" Round Shaft	100 PCS /Box



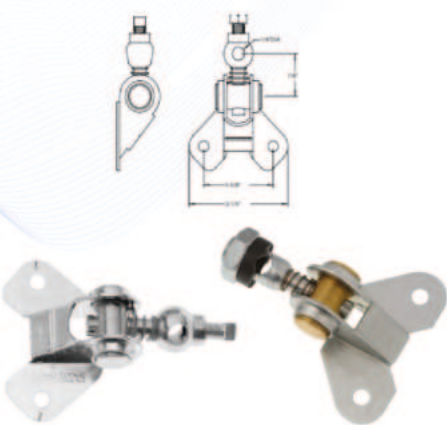
Shaft Lock Big Set

" Shaft Lock		
Item #	Shaft Description	Packing
ESL - L	" Square Shaft	10 PCS /Box



Splitter Damper Bracket

EXCELL-HVAC SPLITTER DAMPER BRACKET			
Item #	Shaft Size	Specification	Qty
ESD14	1/4"	Steel Bracket with Brass Pivot	25 Pcs/Box
ESD14E	1/4"	Steel Bracket with Aluminum Pivot	25 Pcs/Box



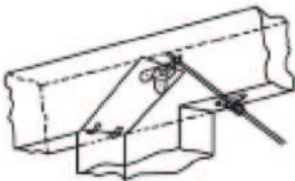
Bronze Bush

EXCELL-HVAC BRONZE BUSHING 1/2"			
Item #	ID	Specification	Packing
2013E	1/2"	EXCELL-HVAC BRONZE BUSHING 1/2" ID	100 PCS/BOX

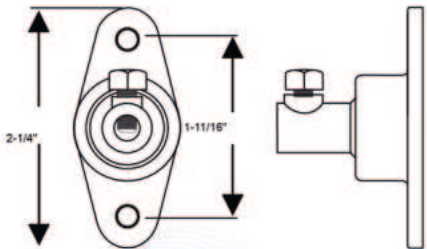


Ball Joint

Typical Application Using Ball Joint and Damper Bracket



EXCELL-HVAC Ball joint			
Item #	Shaft Size	Specification	Qty
EBJ14	1/4"	Cast Alloy	29 PCS / Box



Flexible Duct Connector

All mechanical equipments like Air Handling Unit, Ventillationfans and blowers create noise and vibration which transmitted throughout the duct system.

In order to isolate the vibration and noises, an air-tight flexible joint formed by attaching a layer of farbric to two strips of metal on both sides This Flexible joint is called a "Flexible Duct Connector".

The EXCELL Flexible Duct Connectors specially developed with an advanced locking system for metal to Farbric joints which ensure extremely high mechanical strength and airtightness.

The EXCELL Flexible Duct Connectors offers different types of Fabric such as Vinyl, Neoprene and even suitable for any harshest operating enviornment with different metal width and Gauges to meet all commercial and industrial requirements.

The most critical part of a Flexible Duct Connector is the fabric which should select to suit the typical requiriement of each installation.

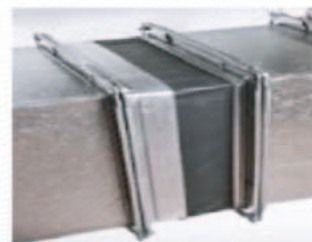
Vinyl is the most commonly used fabric for all air duct installations due to its high tear strength and detailed below its Technical Specification and Features.

Features :

- Excellent water resistance
- Excellent all purpose fabric
- Excellent Flexibility
- Excellent Resistance to oil, grease, and alkalis.
- Unaffected by mildew
- Airtight and waterproof
- Class 1 as per ASTM-E84
- Surface Burning Charasteristics.

Technical Specifctions	
Basic Fabric	Polyester Blend
Coating	Vinyl
Colour	Black
Weight	22 oz./sq. yd. (746 g/sq. meter)
Residential Grade	17 oz./sq. yd. (576 g/sq.meter)
Tear Strength	45x45 kgs (100 lbs. x 100 lbs.)
Tensile Strength	108 x 100 kgs (240 x 220 lbs.)
Low Temperature	-40°C (-40° F)
High Temperature	80°C (176° F)
Metal Gauge	28 (0.47 mm) Galvanized steel as per ASTM-A-525 G60.

Note : All Specification Values shown in this catalog are typical and vary within accepted commercial tolerance
The EXCELL Flexible Duct Connector manufactured as per the standard quality policy of ISO 9001:2015.



Steel Clamping Strips Type CRA – Hose Clamp

- CRA
- Clamping Strips
 - Stainless Steel – Roll
- D.01
- Fasteners
- Accessories
- SCA
- Quick Screws for CRA
- Stainless steel clamping strip on roll of 30m.
- To use with CRA quick connector (50pce)

Application

- Band for quick and easy-fixing off air tubes and hoses.- On roll with marking for a quick en efficient cut off.

Composition

- Roll of 30 m stainless steel AISI 304 with width of 9 mm and thickness of 0.6 mm in plastic holder.

Accessories

- Quick fastener, type SCA

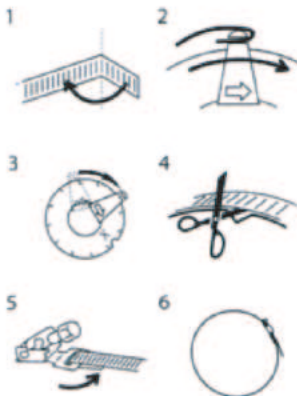
Packaging

- Each 10 rolls are packed in an individual, reinforced cardboard box

Stainless Steel Hose Clamp

Stainless steel hose clamps in accordance to DIN 3015 standards are devices used to grip and support mechanical or structural parts. They are usually used for pipe and hose installations in applications. The key purpose of using the clamps is to reduce vibration and noise.

Code	Size
ESSH4	4 Inches (100mm)
ESSH6	6 Inches (150mm)
ESSH8	8 Inches (200mm)
ESSH10	10 Inches (250mm)
ESSH12	12 Inches (300mm)
ESSH14	14 Inches (350mm)
ESSH16	16 Inches (400mm)
ESSH18	18 Inches (450mm)
ESSH20	20 Inches (500mm)
ESSH24	24 Inches (600mm)



Perforated Galvanized Strap

EXCELL-HVAC Perforated Strip			
Item #	Wide	Specifcation	Packing
EPS12	12mm	Thickness 0.6mm Galvanized	10mtr./rol
EPS17	17mm		



Nylon Ties

EXCELL Nylon Ties securing round flexible duct to outlets, pipes or fittings as faster and low cost.

EXCELL Nylon Tie provide secure and self-extinguishing joint when it properly installed.

EXCELL Nylon Tie adverse weather condition when used in outdoor applications.

No Tapes, no screws, no clamps. Position the flexible duct and slip an EXCELL Nylon Tie around the flexible duct over the joint with service temperature -40° to 85°C.

EXCELL Nylon Ties are ideal for use securing wire bundles and cables. It also features a rounded tip to prevent injury to the user and fit into small spaces.



EXCELL YLON TIE		
Model No.	Size	Packing
8323E	10*1200mm	100 Pcs./Bag.
8322E	10*900mm	100 Pcs./Bag.
TIE8	8*550mm	100 Pcs./Bag.
TIE4.8	4.8*300mm	100 Pcs./Bag.
TIE4	4*150mm	100 Pcs./Bag.
TIE3.6	3.6*150mm	100 Pcs./Bag.
TIE3	3*150mm	100 Pcs./Bag.
TIE2.5	2.5*165mm	100 Pcs./Bag.

G.I Hose Clamp - SS Hose Clamp

The EXCELL-HVAC G.I Hose Clamps are easy to install and designed to secure flexible hoses, wires, cables and pipes to limit the movement and help to prevent the bursting.

The EXCELL-HVAC G.I Hose Clamp made of metal wire with very strong for high pressure and temperature.

The EXCELL-HVAC G.I Hose Clamps are widely using on Pipe Fittings & Industrial Gas Fittings.

Features :

- Optimum nish
- Precisely designed
- Prevent the leakage.
- Secure hose connections.

Technical Properties :

Parameter	Strip	Clip
Thickness	0.6mm	1.5mm
Chemical Composition %		
C X 10 ⁻⁴	220	2
Si X 10 ⁻³	10	0
Mn X 10 ⁻²	19	22
P X 10 ⁻³	9	18
S X 10 ⁻³	7	10
Ti X 10 ⁻³	1	30



Item#	Description	Packing
EGIH4	EXCELL-HVAC G.I.Hose Clamp, Size: 4" [380 mm Length]	10 Pcs Pkg. & 100 Pcs/Box
EGIH6	EXCELL-HVAC G.I.Hose Clamp, SIZE: 6" [540 mm Length]	10 Pcs Pkg. & 100 Pcs/Box
EGIH8	EXCELL-HVAC G.I.Hose Clamp, SIZE: 8" [700 mm Length]	10 Pcs Pkg. & 100 Pcs/Box
EGIH10	EXCELL-HVAC G.I.Hose Clamp, SIZE: 10" [860 mm Length]	10 Pcs Pkg. & 100 Pcs/Box
EGIH12	EXCELL-HVAC G.I.Hose Clamp, SIZE: 12" [1020 mm Length]	10 Pcs Pkg. & 100 Pcs/Box
EGIH14	EXCELL-HVAC G.I.Hose Clamp, SIZE: 14" [1176 mm Length]	10 Pcs Pkg. & 100 Pcs/Box
EGIH16	EXCELL-HVAC G.I.Hose Clamp, SIZE: 16" [1337 mm Length]	10 Pcs Pkg. & 100 Pcs/Box

Threaded Rods & Studs

THE STUDS :

The studs are available in customer specified lengths with various thread combinations such as left threads, right threads, wood screw threads and square threads.

We have the flexibility of supplying studs in various grades and material types to customer requirement.

THE THREADS :

- Metric – Metric Fine – BSW – BSF – UNC.
- Trapezoidal – Acme threading – Unconventional

Hot dip galvanized bars / studs can be supplied in STANDARD and ISO thread fits in lengths up to 2000mm.

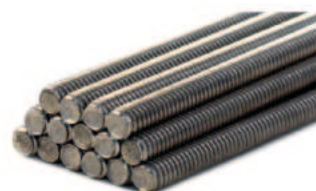
THE RANGE :

From M6 to M64

FULLY THREADED ROD

Galvanized, GRADE 4.6 DIN 975

Code No.	Size	Length	Packing
ES-TR 63	M6	3 Meter	100
ES-TR 83	M8	3 Meter	50
ES-TR 103	M10	3 Meter	30
ES-TR 123	M12	3 Meter	20
ES-TR 143	M14	3 Meter	15
ES-TR 163	M16	3 Meter	12
ES-TR 183	M18	3 Meter	10
ES-TR 203	M20	3 Meter	6
ES-TR 223	M22	3 Meter	4
ES-TR 243	M24	3 Meter	4



NUT AS PER DIN 934

Zinc Plated

Code No.	Size	Packing
ES-NM 06	M 6	11000
ES-NM 08	M 8	5000
ES-NM 10	M 10	2400
ES-NM 12	M 12	1660
ES-NM 16	M 16	750



Threaded Rods & Studs

WASHER AS PER DIN 125

Zinc Plated

Code No.	Size	Packing
ES-WM06	M 6	25000
ES-WM08	M 8	15000
ES-WM10	M 10	10000
ES-WM12	M 12	6000
ES-WM16	M 16	2000



BOLT AS PER DIN 933

Zinc Plated

Code	Size
BOLT 620	M6 X 20
BOLT 625	M6 X 25
BOLT 630	M6 X 30
BOLT 640	M6 X 40
BOLT 650	M6 X 50
BOLT 820	M8 X 20
BOLT 825	M8 X 25
BOLT 830	M8 X 30
BOLT 840	M8 X 40
BOLT 850	M8 X 50
BOLT 1020	M10 X 20
BOLT 1025	M10 X 25

Code	Size
BOLT 1030	M10 X 30
BOLT 1040	M10 X 40
BOLT 1050	M10 X 50
BOLT 1220	M12 X 20
BOLT 1225	M12 X 25
BOLT 1230	M12 X 30
BOLT 1240	M12 X 40
BOLT 1250	M12 X 50
BOLT 1630	M16 X 30
BOLT 1640	M16 X 40
BOLT 1650	M16 X 50
BOLT 1660	M16 X 60



Drop- In Anchor

Drop-In Anchor consists of zinc plated steel tubular expansion shield and a solid, cone-shaped expander plug.

The expander plug is case hardened and tempered to prevent galling and binding during expansion.

The shield has four equally spaced slots for a portion of its length and the bottom part may be knurled.

The shield also has smooth, flangeless top that allows for either flush or countersunk installation.

The bottom lip of the shield is tapered to allow maximum depth and holding power.

Construction Features:

- Available in Zinc Plated 304 and 316 Stainless Steel.
- Internal threads are National Coarse Threads.
- Drop-In Anchor allow for removal or replacement of the fixture without loss or holding values.
- The slot in the body allow for uniform expansion of anchor.
- The anchor plug comes pre-inserted, so no assembly is required.
- The Drop -in Anchor is an excellent fastener for flush mounting applications



Threaded Rod Coupler

The EXCELL Threaded Rod Coupler, an extension nut is a threaded fastener for joining Threaded Rods.

Code	Size
ES-NMC6	M6
ES-NMC8	M8
ES-NMC10	M10
ES-NMC12	M12
ES-NMC16	M16



Angle Bar

The EXCELL Angle Bar is a metal bracket in the form of a right angle. It is Galvanized and often used in masonry or applied to different surfaces through welding or drilling.

The EXCELL Galvanized Angle Bar provides additional strength, stability and protects structures from corrosion.

The EXCELL Galvanized Angle Bar support beams, platform and other both vertical and horizontal buttress for buildings.



Slotted Channels

APPLICATION

Mechanical Application
Piping Racks
Tunnel Pipe Stanchions
Concrete Inserts
Beam Attachments
Pipeline Height Adjustment

Electrical Application
Pipe & Conduit Supports
Raceway Systems
Lighting Fixture Supports
Cable Tray Supports
Beam Adjustments

Industrial Application
Racks and Shelving
Partitions
Production Line Supports
Trolley Systems
Wall Framing



Material : Miled Steel

Finish Abaliable: Electro Galvanized , Hot-dip Galvanized



Size	Unit	41 X 21 X 1.5	41 X 41 X 1.5	41 X 21 X 2.0	41 X 41 X 2.0	41 X 21 X 2.5	41 X 41 X 2.5
Area of Shear	cm ²	0.42	1.02	0.55	1.34	0.67	1.67
Moment of Inertia (xx)	cm	0.7	3.87	0.88	4.59	1.03	5.87
Moment of Inertia (yy)	cm	3.34	5.68	4.25	6.99	5.07	8.76
Min.Section Modulus	cm	0.6	1.76	0.75	2.18	0.89	2.72
Wrapping Constant	cm	17.49	114.17	21.34	138.49	24.34	171.52
Torsional Constant	cm	0.01	0.02	0.02	0.03	0.06	0.07
Allowable Bending Stress	kN/cm ²	21.82	21.82	21.82	21.82	21.82	21.82
Allowable Shrear Stress	kN/cm ²	12.6	12.6	12.6	12.6	12.6	12.6

Aluminum FSK Foil Tapes

EXCELL Aluminum FSK Foil Tape is a pressure sensitive tape and high tensile strength foil backing combined with high performance adhesive protected by an easy-release silicone release paper.

Uses:

EXCELL Aluminum FSK Foil Tape is for sealing duct and dual temperature insulation materials faced with Aluminum.

The foil blends with the facing provides a strong matching look. At the same time, taped joints assure the integrity of the Insulation.

EXCELL Aluminum FSK Foil Tape provides an excellent vapor/air seal when it applied to 80° C on clean Dry Surfaces.



Features and Benefits:

- All Weather Formula adhesive system provides a durable long term bond.
- Economy grade foil backing performs on the job site while offering cost savings.
- Functions as a vapor barrier and assures integrity of the Insulation System.
- Aluminum backing provides excellent reflection of both heat and light
- High quality adhesive with super strong adhesion and holding power.
- High performance for Joining, Duct general purpose and Sealing Fiber Glass
- Release liner provides easy removal for efficient application on the job site.

Technical Specifications

Properties	Metric
Total Thickness (FSK +Adhesive) ASTM D3652)	145 +/- 5 mic
Adhesion to Steel (ASTM D3330)	1200~1800g/25mm
Tensile Strength (ASTM D3759)	60N+/Inch
Elongation at Break (ASTM D3759)	5%
Temperature Range Max	-5~+80 Degree C
Surface Burning Characteristics	Flame Spread 10 Smoke Developed 5

Note: It essentially require that the surface to which the tape apply should clean, dry and free of grease, oil or other contaminants.

Aluminum Foil Tapes

EXCELL Aluminum Foil Tape is a pressure sensitive tape with 20 +/-2 micron and high tensile strength foil backing combined with high performance adhesive protected by an easy-release silicone release paper.

Uses:

EXCELL Aluminum Foil Tape is for sealing duct and dual temperature insulation materials faced with Aluminum.

The foil blends with the facing provides a strong matching look. At the same time, taped joints assure the integrity of the Insulation.

EXCELL Aluminum Tape provides an excellent vapor/air seal when it applied up to 80° C on clean Dry Surfaces.

Features and Benefits:

- All Weather Formula adhesive system provides a durable long term bond.
- Economy grade foil backing performs on the job site while offering cost savings.
- Functions as a vapor barrier and assures integrity of the Insulation System.
- Aluminum backing provides excellent reflection of both heat and light
- High quality adhesive with super strong adhesion and holding power.
- High performance for Joining, Duct general purpose and Sealing Fiber Glass
- Release liner provides easy removal for efficient application on the job site.

Technical Specifications

Properties	Metric
Foil Backing (PSTC-133/ASTMD3652)	20 Micron +/- 2 mic.
Total Thickness (Foil +Adhesive) ASTM D3652)	47 +/- 5 mic
Adhesion to Steel (ASTM D3330)	1400~1800G/25mm
Tensile Strength (ASTM D3759)	2000 gms/25mm
Elongation at Break (ASTM D3759)	5%
Temperature Range Max	-5~+80 Degree C
Surface Burning Characteristics	Flame Spread 10 Smoke Developed 5

Note: It essentially require that the surface to which the tape apply should clean, dry and free of grease, oil or other contaminants.



Grey Duct Tape

EXCELL Grey Duct Tape adopts PE-Coated cloth as backing with high performance adhesive coated.

It enjoys high tensile strength, easy tear and confirms well to irregular surface.

Uses:

EXCELL Grey Duct Tape is good choice for pipe wrapping, air Conditioning duct's seam and joint sealing etc..

EXCELL Grey Duct Tape provides an excellent moisture barrier when it applied to clean and Dry Surfaces.



Features and Benefits:

- High bonding strength, excellent adhesion to steel.
- Use as moisture barrier.
- Indoor / Out Door use.
- Used for Industrial, Commercial and general maintenance, pipe wrapping, carpet fixing, air conditioning duct's seam and joint sealing etc...

Technical Specifications

Particulars	Units	Surroundings Properties	Temp 22°C RH65% Methods
Adhesive	Type	Rubber Base	
Tape Thickness	MM	0.16+/-0.02	
Ball Tack	Ball No	>8	GB7125-84
Holding	H	>4	GB4851-84
Tensile Strength	KN/M	3.2	GB7753-87
Elongation	%	13	
Adhesion to steel	MM	1300+/25MM	

Note:It essentially require that the surface to which the tape apply should clean, dry and free of grease, oil or other contaminants.

Ceramic Fiber Tape

Description:

A special woven fabric made of high quality ceramic fiber yarns. The tape is made to provide high strength and high temperature endurance for continuous temperature up to 1150° C.

Major Features:

- High Temperature Endurance
- High Strength

Technical Data

Property	Typical Value
Working Temperature	1150° C
Specified Temperature	1260° C
Loss of Ignition	≤18%
Thickness	5mm
Width	20mm



Suggested Applications:

- Protective and insulating covers or shields, cable or pipe wrapping expansion joints, high temperature seals or gaskets.
- The product has been widely used in welding, foundry works, aluminum and steel mills, boiler and seal, exhaust systems, shipyards, refineries, power plants and chemical plants.

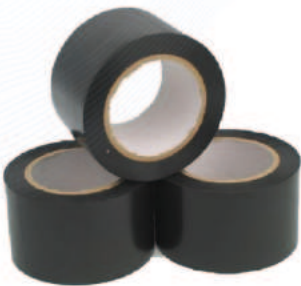
Note:It contains a certain binder material which is normally burned at lower temperature and does not affect the insulation property

Dimensional Tolerance: Standard dimensions including thickness: ±10%

PVC Tape

The EXCELL Pipe Wrap Tapes are Soft, Stabilized, Plasticized PVC Matte Film are ideal for Pipe Wrapping.

The EXCELL Pipe Wrap Tape duly coated with Rubber-Based pressure sensitive adhesive on one side



Applications:

The EXCELL Pipe Wrap Tapes are widely using for Pipe Wrapping, floor, or aisle marking.

Features:

- Premium Quality.
- Excellent Anti-Abrasion Resistant to Acid, Alkalis and Oils.
- Non-Corrosive Adhesive
- Excellent Flexibility

Technical Property:

Tensile Strength (kg/25 mm)	6.0 or more	ASTM D1000
Elongation at Break	200 %	ASTM D1000
Adhesion to Steel (kg/25 mm)	0.40 or more	ASTM D1000

Item	Packing
PVCTAPE230E	EXCELL PVC BLACK TAPE SIZE: 2" W X 6 Rolls / Core X 30ft /ROL (54 RLS/BX)

Butyl Gasket

Description:

Butyl Gasket is a high quality gray/ black butyl gasket tape. It is designed for use with duct connection systems. It is non -curing and adheres extremely well to metal surfaces. It can be used to insulate irregular surfaces like fittings and valves.

Standard Construction:

3/16" x 5/8" x 25' of butyl tape extruded onto smooth silicone release paper and rolled onto a cardboard core.

Basic Use:

Apply in normal dry working conditions. All surfaces need be free of dust, dirt, oil, moisture, grease, etc.

Apply directly from roll or cut to size with knife or scissors. Press Butyl Gasket firmly into place with hand. Intimate contact must be made between tape and subsurface to assure a air-tight seal. Gently peel off silicone release paper. When lapping tape, allow at least 1/4" (6.4 mm) overlap.

Features:

- Superior Adhesion
- Provides Air-Tight Seal
- Shelf And Service Life: 20 Years Minimum
- Application Temp: Above 32° F



Butyl Gasket

Test Results:

Project	Parameter		Detection method
Standard sizes	length	1.5m(±0.05m)	ASTMD4325
	width	38mm(±2mm)	ASTMD4325
	Thickness	3.2mm(±0.02mm)	ASTMD4325
Tensile Strength	≧0.04Mpa		ASTMD4325
Elongation	≧1000%		ASTMD4325
Adhesion to steel plate	≧50N/IM		ASTMD1000
Adhesion to PE board	≧50N/IM		ASTMD1000
volume resistivity	≧10 ¹³ Ω·CM		ASTMD4325
Dielectric strength	≧10KV/MM		ASTMD4325
Operating Temperature (Celsius)	0 to 80 Degree Celsius		
Short-term temperature resistance	low temperature	-10℃	130℃,1H,no perforation,air bubbles,shedding, crackingorsagging, etc.
	high temperature	130℃	
Environmental friendly	Cadmium and its compounds <1000PPM, lead,mercury, hexavalent chromium and their compounds <1000PPM, PPBs,PBDEs,<1000PPM		
	DIBP DEHP DBP BBP: <1000PPM		
Keywords	Scotchfil		
	Electrical insulation putty		
	Ruban mastic Isolant		
	Electrique		
	Elektro-Isolierplast		
	Electtrico		
	Masilla para aislamiento		

Packaging

Box Qty(rolls)
10

Butyl Waterproof Tape

The EXCELL-HVAC Butyl Waterproof Tape provide durable bonds virtually any surface as quickly and easily.



Application :

The EXCELL-HVAC Butyl Waterproof Tape has durable Aluminum Foil packing which helps to reinforce the seals and resistant for solvents and Oils. It highly helpful installing seals and can seal any rib, or open seam on any surface.

Advantages :

The EXCELL-HVAC Butyl Waterproof Tape widely applied for Roof Leaks, Window Sealing, Gutters, Down Spouts, Outdoor Equipment, Sprinkler Systems, Doors, Walls, Seams, Vents, Air Ducts, PVC and Plumbing Pipes.

The EXCELL-HVAC Butyl Waterproof Tapes are Durable Material Heavy Duty, Strong Adhesive, Toxic Free, Waterproof, Vapor Prevent, Anti-Aging and odorless.

Item Code	Description	Specification	Packing
EBUTYL	EXCELL-HVAC BUTYL WATER PROOF TAPE. Size: 1mmX3inchesX5m L	Thickness: 1000 mic. Adhesion: 25N/mm Peel Strength: ≥0.6N/mm	36 Rolls/Carton

Refrigeration and Air-Conditioning Tube

The EXCELL copper tubes in soft annealed coils are dehydrated cleaned (degreased) and capped in accordance to reach the customer in pure, defect-free state.

The EXCELL Copper Coils are packed with end caps, shrink-wrapped and packed in master cartons.



Item Code	Size	Decimal	Wall Thickness	Coils/Master
COILNB1450T	1/4"	0.250	0.020	10
COILNB3850T	3/8"	0.375	0.020	10
COILNB1250T	1/2"	0.500	0.022	5
COILNB5850T	5/8"	0.625	0.024	5
COILNB3450T	3/4"	0.750	0.026	5
COILNB7850T	7/8"	0.875	0.028	4

Copper Tubes

The EXCELL Seamless DHP Copper Tube, Type M cleaned and capped, Hard Temper meets chemical, mechanical, cleanliness and eddy current testing requirements specified in latest revision of ASTM B75



Item Code	Size	Decimal	Wall Thickness	Length
XLPIPE38NB	3/8"	0.375	0.023	20'
XLPIPE12NB	1/2"	0.500	0.025	20'
XLPIPE58NB	5/8"	0.625	0.028	20'
XLPIPE34NB	3/4"	0.750	0.032	20'
XLPIPE78NB	7/8"	0.875	0.032	20'
XLPIPE118NB	1-1/8"	1.125	0.035	20'
XLPIPE138NB	1-3/8"	1.375	0.042	20'
XLPIPE158NB	1-5/8"	1.625	0.049	20'
XLPIPE218NB	2-1/8"	2.125	0.058	20'
XLPIPE258NB	2-5/8"	2.625	0.065	20'

EXCELL Straight Length Copper Pipes are Made in Mexico by NACOBRE

Copper Fittings

The EXCEEL copper fittings are one of the high quality fittings and most complete offerings of fittings for Copper Piping systems.

EXCELL Copper Coupling:

Item Code	Size	Each Wt.
CXLC38	3/8"	0.01
OXLC12	1/2"	0.01
OXLC58	5/8"	0.03
OXLC34	3/4"	0.05
OXLC78	7/8"	0.06
CXLC118	1-1/8"	0.11
CXLC138	1-3/8"	0.15
CXLC158	1-5/8"	0.21
CXLC258	2-5/8"	0.66



EXCELL Copper Tee :

Item Code	Size	Each Wt.
CXLT38	3/8"	0.02
CXLT12	1/2"	0.04
CXLT34	3/4"	0.12
CXLT118	1-1/8"	0.29
CXLT138	1-3/8"	0.42
CXLT158	1-5/8"	0.60
CXLT218	2-1/8"	1.14
CXLT258	2-5/8"	1.72



EXCELL Copper Elbow 45° :

Item Code	Size	Each Wt.
CXLE4538	3/8"	0.01
CXLE4512	1/2"	0.03
CXLE4558	5/8"	0.04
CXLE4534	3/4"	0.06
CXLE4578	7/8"	0.09
CXLE45118	1-1/8"	0.16
CXLE45138	1-3/8"	0.25
CXLE45158	1-5/8"	0.36
CXLE45218	2-1/8"	0.60
CXLE45258	2-5/8"	1.00



Copper Fittings

EXCELL Copper Elbow 90° :

Item Code	Size	Each Wt.
CXLE9014	1/4"	0.01
CXLE9038	3/8"	0.02
CXLE9012	1/2"	0.03
CXLE9058	5/8"	0.05
CXLE9034	3/4"	0.08
CXLE9078	7/8"	0.11
CXLE90118	1-1/8"	0.24
CXLE90138	1-3/8"	0.30
CXLE90158	1-5/8"	0.42
CXLE90218	2-1/8"	0.76
CXLE90258	2-5/8"	1.19



EXCELL Flare Nut :

Item Code	Size	Each Wt.
XLFN14	1/4"	0.02
XLFN38	3/8"	0.06
XLFN12	1/2"	0.09
XLFN58	5/8"	0.12
XLFN34	3/4"	0.23
XLFN78	7/8"	0.26



EXCELL Copper P Trap :

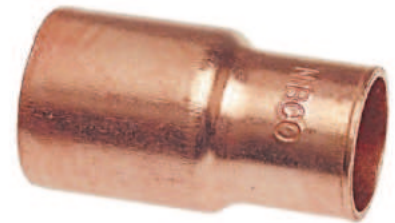
Item Code	Size	Each Wt.
XLP58	5/8"	0.38
XLP34	3/4"	0.51
XLP78	7/8"	0.63
XLP118	1-1/8"	0.87
XLP138	1-3/8"	1.16
XLP158	1-5/8"	2.28



Copper Fittings

EXCELL Copper Reducer :

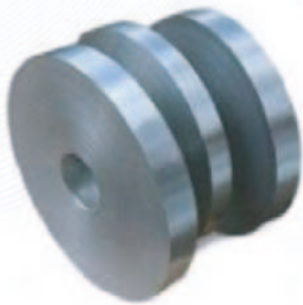
Item Code	Size	Each Wt.
CXLR1238	½"X 3/8"	0.02
CXLR5812	5/8 "X ½"	0.03
CXLR3412	3/4 "X 1/2 "	0.04
CXLR3458	3/4 "X 5/8 "	0.04
CXLR7812	7/8 "X 1/2 "	0.06
CXLR7858	7/8" X 5/8"	0.06
CXLR7834	7/8"X 3/4"	0.06
CXLR11812	1-1/8" X 1/2"	0.10
CXLR11858	1-1/8" X 5/8"	0.10
CXLR11834	1-1/8" X 3/4"	0.10
CXLR11878	1-1/8" X 7/8"	0.11
CXLR138118	1-3/8 "X1-1/8"	0.17
CXLR158138	1-5/8" X1-3/8"	0.23
CXLR218118	2-1/8"X1-1/8"	0.45
CXLR218138	2-1/8"X1-3/8"	0.43
CXLR218158	2-1/8"X1-5/8"	0.44
CXLR258118	2-5/8"X1-1/8"	0.63
CXLR258138	2-5/8"X1-3/8"	0.62
CXLR258158	2-5/8"X1-5/8"	0.57
CXLR258218	2-5/8"X2 -1/8"	0.62



Aluminum Band

EXCELL-HVAC Aluminum Band manufactured from high quality Aluminum Alloy and conforms to ASTM B-209.

EXCELL-HVAC Aluminum Band available in 1/2" and 3/4" width with Thickness 0.50 mm. It specially developed for tightening materials for Insulation around equipment or piping as well as HVAC Ducting Industries to tight the Insulation materials around Ducts with the following Specifications.



Chemical Composition Limits:

AL	remainder
SI	0.6% maximum
FE	0.7% maximum
CU	0.3% maximum
MN	0.3-0.8%
MG	0.2-0.8%
CR	0.2% maximum
ZN	0.4% maximum
TI	0.1% maximum
Other	0.05% maximum each (0.15% total)

Specifications:

ASTM B-209
Alloy: Aluminum 3105
Temper: H14

Item#	ALUMINUM BAND
RAS12E	ALUMINIUM BAND, 1/2" X 15LB. COIL
RAS34E	ALUMINIUM BAND, 3/4" X 15LB. COIL

Aluminum Clips

Item#	ALUMINUM CLIP	
XL12CLIP	WING-TYPE ALUMINIUM SEALS FOR 1/2" BAND	1000pcs/BOX
XL34CLIP	WING-TYPE ALUMINIUM SEALS FOR 3/4" BAND	1000pcs/BOX



Aluminum Jacketing

The EXCELL-HVAC Aluminum Jacketing are attractive maintenance free Aluminum Jacketing satisfies most requirements of Insulation protection with an advantage of low cost. The EXCELL-HVAC Aluminum Jacketing furnished from Aluminum Alloy 3003 with Temper H14.

The EXCELL-HVAC Aluminum Jacketing suitable for most general purpose on Industrial Conditions and commercial buildings who are using Aluminum Jacketing as the protection of Insulation.

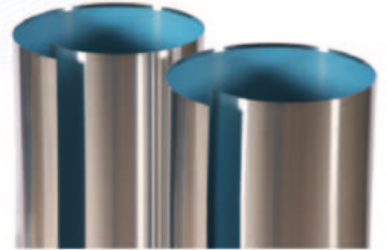
The EXCELL-HVAC Aluminum Jacketing Insulation systems are commonly used in the Commercial Sector for Chilled Water Applications as well as Transportation Walls, Floors, Military Shelters, Clean Rooms, Roof Tops and Ducting.

The EXCELL-HVAC Aluminum Jacketing provides excellent weather and mechanical protection on Insulated Piping, Tanks and Equipment.

The EXCELL-HVAC Aluminum Jacketing duly coated with Polysurlyn Moisture Barrier [PSMR] which offers an additional protection from galvanic and chemical corrosion.

The Polysurlyn Moisture Barrier [PSMR] coat on the EXCELL-HVAC Aluminum Jacketing is an engineered three layer coextruded film of polyethylene and Surlyn polymers with a total film thickness of 3 mils (76 μm) and is heat laminated in the factory to the interior surface of Aluminum Jacketing. It especially suited for service in which the moisture retarder might come into contact with excessive amounts of moisture for extended periods of time.

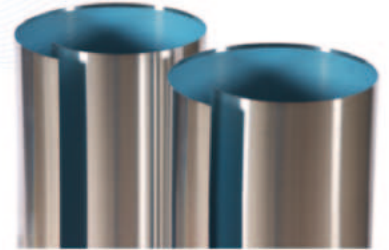
The Polysurlyn Moisture Barrier [PSMR] coat protects against galvanic corrosion caused by contact of dissimilar metal in the presence of moisture and chemical corrosion caused by installing sheets over damp insulation materials.



Aluminum Jacketing

The most commonly gauges specified used rolled jacketing Smooth/ Stucco embossed /corrugated are 0.4mm, 0.5mm, 0.6mm, 0.8mm and 1mm and 1.2mm Thickness

The EXCELL-HVAC Aluminum Jacketing recommends the thickness of Aluminum Jacketing used based on the outer diameter of Insulation system per the requirements of ASTM C1729.



The recommended thickness as detailed below.

Outer Insulation Diameter (in)	Minimum Aluminum Jacket Thickness, inches (mm)	
	Rigid Insulation	Non-Rigid Insulation
≤8	0.016 (0.4)	0.016 (0.4)
Over 8 to 11	0.016 (0.4)	0.020 (0.5)
Over 11 to 24	0.016 (0.4)	0.024 (0.6)
Over 24 to 36	0.020 (0.5)	0.032 (0.8)
Over 36 to 48	0.024 (0.6)	0.040 (1.0) .048(1.2)

The EXCELL-HVAC Aluminum Jacketing available in Rolls (Smooth, Stucco or 3/16" Corrugation) and a variety of prefabricated systems which eliminate the necessity of field fabrication.

The primary function of a factory applied integral moisture retarder is to retard galvanic or chemical corrosion at the metal-insulation interface. It should be applied only over dry inhibited insulation.

The EXCELL-HVAC Aluminum Jacketing offer a complete metal Jacketing system to fit always excellent mechanical protection for Insulated Piping, Vessels and Equipment.

EDS-17, EDS-17-GLN

EDS-17 is a fire resistive fibrated water based, indoor/outdoor vapor barrier sealant for low, medium and high velocity heating and air conditioning ducts. It has high elastic nature, excellent adhesion to metal, aluminium etc. EDS-17 performs tough flexible and durable seal against air leakage when it applied with or without reinforcement tape.

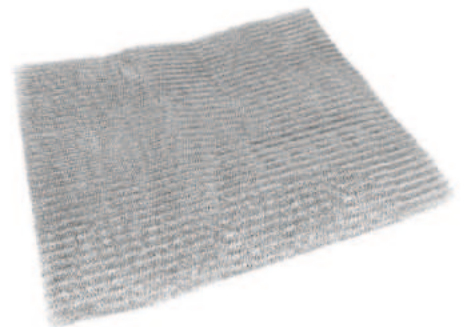
Packing:

EDS-17 is available in 330 ml catridges and 1 US gallon Pails. Other packing also available as per special requirements.



Aluminum media Sheet / Roll

ALUMINIUM EXPANDED MEDIA Aluminum expanded media is made of multiple layers of aluminum-slit material, expanded into a mesh of differing densities with hundreds of small baffles on the surface. There are 7 layers for 1/4" thick media and 9 layers for 5/8" thick media. Available in rolls of 50' length for 1/4" and 5/8" thicknesses, and in sheets of 40" x 64" size and 5/8" thickness.



Synthetic Media Roll

Model NO . FIL-SYN150 Synthetic Polyster Roll

- Synthetic filter media for HVAC application like FCUs, Packaged units, AHUs and other air intake systems.
- Efficiency grade : G4/EU4 F5, MERV/8
- Available media depth : 1/2 Inch Also Available with Pad / Costmized

Roll Width	2 meter
Roll Length	20 m / 40 m
Nominal Depth (inches)	1/2
EFF Class EN779/EUROVENT	F5 / MERV8
Avg. Arrestance (Ashrae)	82%
Rated Flow (Cfm)	300/f
Air velocity (fpm)	295
Initial Pres. Drop (inches WG)	0.11
Final Pres. Drop (inches WG)	1.0
Temp. resistance , constant	100 C
Regenerable / Washable	Yes



Model No. FIL-SYN250 Synthetic Polyster Roll

- Synthetic filter media for HVAC application like FCUs, Packaged units, AHUs and other air intake systems.
- Efficiency grade : G4/EU4 F5, MERV/8
- Available media depth : 1 Inch Also Available with Pad / Costmized

Roll Width	2 meter
Roll Length	20 m
Nominal Depth (inches)	1
EFF Class EN779/EUROVENT	F5 / MERV8
Avg. Arrestance (Ashrae)	94%
Rated Flow (Cfm)	300/f
Air velocity (fpm)	295
Initial Pres. Drop (inches WG)	0.11
Final Pres. Drop (inches WG)	1.0
Temp. resistance , constant	100 C
Regenerable / Washable	Yes



Synthetic Media Roll

Model NO. FIL-SYN150 Synthetic Polyester Roll

- Synthetic filter media for HVAC application like FCUs, Packaged units, AHUs and other air intake systems.
- Efficiency grade : G4/EU4 F5, MERV/8
- Available media depth : 2 Inch Also Available with Pad / Costmized

Roll Width	2 meter
Roll Length	20 m
Nominal Depth (inches)	2
EFF Class EN779/EUROVENT	F5 / MERV8
Avg. Arrestance (Ashrae)	94%
Rated Flow (Cfm)	300/f
Air velocity (fpm)	295
Initial Pres. Drop (inches WG)	0.11
Final Pres. Drop (inches WG)	1.0
Temp. resistance , constant	100 C
Regenerable / Washable	Yes

Model NO. SSP-2000200020 Pad Synthetic Polyester 2 M x 2 M x 1"

- High dust holding Synthetic media for HVAC application like FCUs, are available in Pad 2000 mm x2000mm x20 mm.
- Efficiency grade : G4/EU4 F5, MERV/8
- Available : with Pad / Costmized



Model NO. SSP-2000200012 Pad Synthetic Polyester 2 M x 2 M x 1/2"

- High dust holding Synthetic media for HVAC application like FCUs, are available in Pad 2000 mm x2000mm x12 mm.
- Efficiency grade : G4/EU4 F5, MERV/8
- Available : with Pad / Costmized



Model NO. AUTO-ROLL Automatic Roll Filter

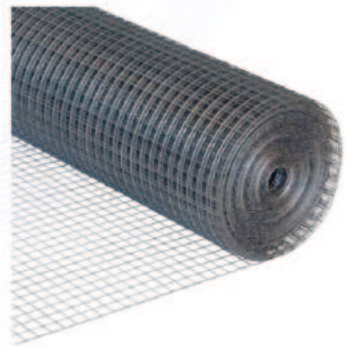
- Filter media rolls to fit majority of auto roll equipment.
- Progressive density adhesive coated glass fiber media with scrim netting backing.
- Adhesive coating to increase dust holding capacity efficiency grade : G4/EU4 & F5/MERV8



Wire Mesh

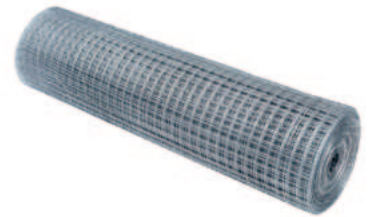
GI MESH (SG50-1015)

Galvanised welded wire mesh rolls, 0.50 mm X 1.00 m , 12 X 12 mm square, 3.7 kg/roll, (for spacer).



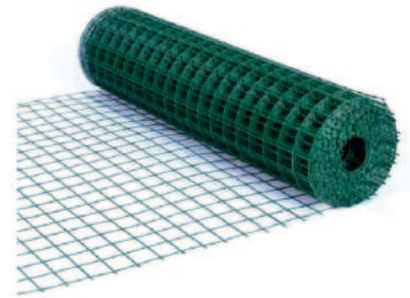
STAIN STEEL MESH (SSM22-1025)

Stain steel mesh rolls, 0.22 mm TH x 1.00 m wide X 25 m long, 12 X 14 mm, 7.5kg/roll, (for Metallic filter).



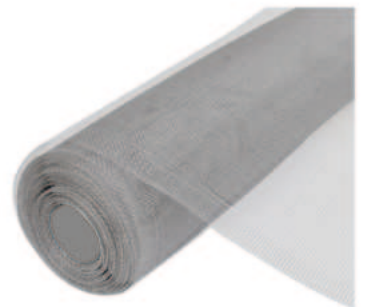
PVC MESH (SG70P-1220) (SG70P-1920)

PVC coated wire mesh rolls, 0.90 mm X 1.20 m wideX 20 m long. (0.60 m before PVC coating, 0.90 m after coating) .



ALUMINUM MESH (ACM-050)

Aluminum corrugated medai roll. 0.50 m TH X 1 m wide long. with 6.0 m wave, 4X8 mm hole, 0.80 mm stem.



Excell Flexible Duct

The EXCELL-HVAC Flexible Ducts are specially designed for Industrial, Commercial and Residential applications where indoor air quality require.

EXCELL-HVAC Flexible Ducts always fully extended and bends made with adequate radius to prevent corrugation of the interior with consequent excessive resistance to airflow.

The EXCELL-HVAC Flexible duct has very low friction loss due to the smooth inner core Resistant to corrosion and micro organisms.

EXCELL-HVAC INSUALTED FLEXIBLE DUCT

The EXCELL-HVAC Insulated Flexible Duct are specially developed with multi-layer polyester lamination,strengthened with high tension steel spring wire, surrounded with glass woll Insulation to achieve the thermal efficiency . The outer vapor barrier jacket with metalized , clear polyester lamination and inside contains black color where outside remains reflective siver finish.

The EXCELL-HVAC Insulated Flexible Duct is hihgly elastic and flexible. It can easily fitted to circular or oval connectors.



Technical Properties :

Inner Duct Construction	2 ply polyester
Normal Thickness of Innder Duct	30 micron
Jacket Construction	2 ply Metalized polyester
Norminal Thikness of Jacket	30 micron
Temparature Range	-30 ⁰ C / +120 ⁰ C
Air Velocity	30 m/s (max)
Operating Pressure	3000 Pa (max)
Insulation	Glass Wool
Insulation Thickness	25 mm
Insulation Density	16 Kg/m ³
Packaging	25 FT / Carton

Excell Flexible Duct

EXCELL-HVAC UN-INSUALTED FLEXIBLE DUCT

The EXCELL-HVAC Un-Insulated Flexible Duct are developed for low and medium pressure heating, cooling, ventillation, exhaust and air conditioning systems.

The EXCELL-HVAC Un-Insualted Flexible Duct produced with multi-layer Aluminium and polyester strengthened with high tension hard steel spring wire.

The EXCELL-HVAC Un-Insulated Flexible Duct has high elasticity and flexibility. It can easily fit to circular/ oval / rectangular connectors.

Advantages:

- Smooth Inner Surface
- Aluminum Laminated Body
- High Tension Steel Wire
- Anti-Static
- Dust proof interior
- High resistance to deformation
- Impermeable to UV Rays
- Resistant to chemicals
- Rated velocity : 5000 fpm (maximum)
- Pressure : 6" wg maximum working pressure
- Packaging : 25 FT/ Carton



Excell Flexible Duct

EXCELL-HVAC SEMI-RIGID FLEXIBLE DUCT

The EXCELL-HVAC Semi-Rigid Flexible Ducts are light weight, machine formed in a continuous spiral from Aluminum strip coil stock, corrugated and seamed with a four ply lock seam.

The speical characteristic of EXCELL-HVAC Semi-Rigid Flexible Duct that it will retain whatever configuration required and self supporting over its normal maximum length of 3 meters.

Technical Properties :

Fire Resistance	Non-Combustible
Construction	1 ply Aluminum
Normal Thickness	90 micron
Temparature Range	25 ^o C / 250 ^o C
Air Velocity	25 m/s (max)
Operating Pressure	2000 Pa (max)
Packaging	3 Meter / Single Nylon packing



Yellow Strap And Clip

Product Specification:

Yellow strap :

Item code: STRAP12

- Strapping Type: Range of Polypropylene Strapping types
- Pack Size: 1 item per pack
- Colour: Yellow
- Width: 12 mm
- Thickness: 0.9 mm

Clips:

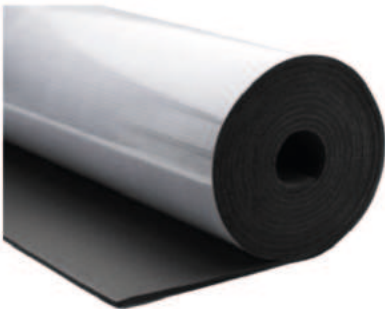
Item code: CLIPS12

- material : Galvanized steel.
- thickness: 0.5mm.
- used with STRAP12 Yellow strap



Excell Rubber Pipe Insulation , Rolls

EXCELL-HVAC Rubber pipe insulations and Rolls			



EXCELL

Total Solution For Electro Mechanical Systems



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