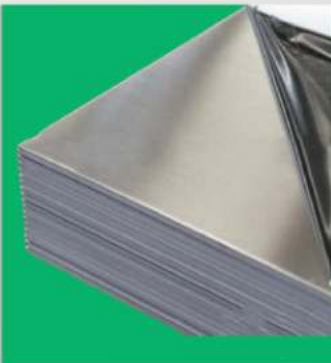


Industrial Equipment's CATALOG



About us

Assalamu Alaikum,

HADID GLOBAL is an engineering product and equipment supplier. We also provide engineering solutions tailored to our customer's needs. Our directors are from diverse engineering backgrounds including Mechanical, Civil, Electrical, IPE, Environment, Fire Protection Engineering, Energy Management, and Waste Water Management.

Supplying our customers with products of the right quality is our prime objective.

We provide products and engineering solutions to our valued customers in Textiles & RMG, Oil & Gas, Mining, Marine, Energy, Waste & Water Management, Commercial Buildings (commercial, industrial and residential) and Transport sectors.

Our long-term goal is to manufacture, assemble and supply engineering products in near future to meet the growing demand of our valuable customers.

This catalogue includes a short list of our product ranges. We highly appreciate your kind support by providing business inquiries. We also appreciate your valuable suggestions for our continual improvement.

We would like to invite you to visit our showroom at Nawabpur and our corporate office at Uttara (see addresses at back Page of this catalog). You can visit our website (www.hadidglobal.com.bd) and E-Commerce site (www.engineershopbd.com)

Thanking You,



Dr. Tariq Bin Yousuf
B.Sc. in Civil Engineering (BUET).
Chairman
HADID GLOBAL LTD.




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Fire Safety Equipments

Fire Safety (UL Certified)

Horizontal Split Case Pump	Certified Diesel Engine	UL Listed Fire Pump (Turbine)	Foot Valve	Fire Brigade Connection	Anti-Vortex Plate
					
HFS-101	HFS-102	HFS-103	HFS-104	HFS-105	HFS-106
Y-Strainer	OS & Y Gate Valve	Alarm Check Valve Assembly	Zone Control Valve	Pressure Relief Valve	Flow Meter
					
HFS-107	HFS-108	HFS-109	HFS-110	HFS-111	HFS-112
Flexible Joint	Non Return Valve	Ball Valve	Pressure Gauge	Temper Switch	Pressure Switch
					
HFS-113	HFS-114	HFS-115	HFS-116	HFS-117	HFS-118
Water Flow Switch	Auto Air Vent	Hose Cabinet Box	Fire Hose Rack Assembly	Landing Valve	Pillar Hydrant
					
HFS-119	HFS-120	HFS-121	HFS-122	HFS-123	HFS-124
Upright Sprinkler	Recessed Pendent Sprinkler	Horizontal Sidewall Sprinkler	Mechanical Tee Threaded Outlet	Standard Flexible Coupling for Grooved Type Joints	Elbow 90 deg. Grooved Type
					
HFS-125	HFS-126	HFS-127	HFS-128	HFS-129	HFS-130
Grooved Tee	Grooved Type Reducer	Fire Door	Door Closer	Panic Bar	Magnetic Door Holder
					
HFS-131	HFS-132	HFS-133	HFS-134	HFS-135	HFS-136
Door Hings	Door Coordinator	Trim Lock	Fire Alarm Control Panel	Smoke Detector	Heat Detector
					
HFS-137	HFS-138	HFS-139	HFS-140	HFS-141	HFS-142

Fire Safety Equipments | Utilities (Process & Water)

Fire Safety (UL Certified)

Multi Detector  HFS-143	Manual Call Point  HFS-144	Isolator Module  HFS-145	Input/ Output Module  HFS-146	Sounder/Horn  HFS-147	Sounder Cum Strobe  HFS-148
Reflective Beam Detector  HFS-149	Fire Proof Cable  HFS-150	Extinguisher  HFS-151	Fire Ball  HFS-152	Emergency light  HFS-153	Exit Sign  HFS-154
Fire and Smoke Damper  HFS-155	Rolling Shutter  HFS-156	Intumescent Paint  HFS-157	Fire Resistive Paint  HFS-158	Fire Suppression System  HFS-159	Foam Suppression System  HFS-160

Process Utilities

Seamless Pipe  HPU-201	SS Pipe  HPU-202	ERW Pipe  HPU-203	API Pipe  HPU-204	CS Pipe  HPU-205	Filter  HPU-206
Globe Valve  HPU-207	Piston Valve  HPU-208	Needle Valve  HPU-209	Rubber Expansion Joint  HPU-210	Diaphragm Valve  HPU-211	Butterfly Valve  HPU-212
Pinch Valve  HPU-213	Gate Valve  HPU-214	Ball Valve  HPU-215	Knife gate Valve  HPU-216	Check Valve  HPU-217	Hydraulic Butterfly Valve  HPU-218
Pressure Relief Valve  HPU-219	Pneumatic Steam Control Valve  HPU-220	S.S Expansion Joint  HPU-221	Side Entry or Split Body Valve  HPU-222	Double Offset Butterfly Valve  HPU-223	Triple Offset Butterfly Valve  HPU-224

Utilities (Process, Water & Steam)

Process Utilities

Non Return Valve



HPU-225

Y-Strainer Valve



HPU-226

Flanged End



HPU-227

S.S Pneumatic Ball Valve



HPU-228

Plug Valve



HPU-229

Steam Globe Valve



HPU-230

Foot Valve



HPU-231

OS&Y Gate Valve



HPU-232

Steam Boiler Safety Valve



HPU-233

Flexible Wedge Gate Valve



HPU-234

Plug Valve



HPU-235

Boiler Gas Burner



HPU-236

Water Utilities

G.I Pipe



HWU-237

uPVC Pipe



HWU-238

uPVC Thread Pipe



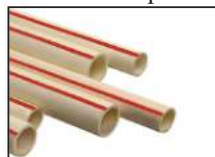
HWU-239

uPVC Pipe Fittings



HWU-240

cPVC Pipe



HWU-241

cPVC Pipe Fittings



HWU-242

Elbow



HWU-243

Tee



HWU-244

Cap



HWU-245

Bend



HWU-246

Flanges



HWU-247

Floor Flange



HWU-248

90 Degree Elbow



HWU-249

Male Elbow



HWU-250

Female-Male Elbow



HWU-251

135 Degree Female Elbow



HWU-252

Male Tee



HWU-253

Male-Female Union



HWU-254

Female Union



HWU-255

Male Union



HWU-256

Tee



HWU-257

Reducing Tee



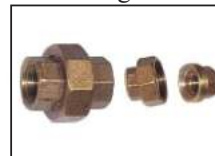
HWU-258

Reducer Union



HWU-259

Reducing Union



HWU-260

Flange



HWU-261

Cap



HWU-262

Coupling



HWU-263

Butt Weld 90° Elbow



HWU-264

90° Male Elbow



HWU-265

Nipple



HWU-266

Water Utilities

Female Pipe Cross



HWU-267

Diverter Tee



HWU-268

Reducer



HWU-269

Male Y-Way



HWU-270

Female Y-Way



HWU-271

Y-Way Pipe



HWU-272

Pipe Reducer



HWU-273

Male to Male Hex Nipple



HWU-274

Steel pipe Adapter



HWU-275

Outlet



HWU-276

Flange Serrated Nut



HWU-277

Square Nut



HWU-278

U Bolt Clamp



HWU-279

Socket Head Bolt



HWU-280

Hex Head Bolt



HWU-281

T Head Bolt



HWU-282

Button Head Screw



HWU-283

Truss Head Screw



HWU-284

Steam Utilities

M.S Pipe



HSU-285

M.S Fittings



HSU-286

Pneumatic Steam Valve



HSU-287

Mueller Steam Radiator Valve



HSU-288

Steam Valves Strainer



HSU-289

Pressure Reducing Valve



HSU-290

Steam Trap



HSU-291

Non Return Valve



HSU-292

Mill Complete Steam Valve



HSU-293

Pressure Relief Valve



HSU-294

Solenoid Steam Valve



HSU-295

Free Float Steam Trap



HSU-296

Sheet & Structural Steel Part

SS Sheet



HSSP-301

MS Sheet



HSSP-302

Checker Plate



HSSP-303

SS Box



HSSP-304

MS Plate



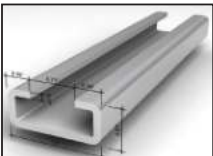
HSSP-305

Rectangular Steel Tube



HSSP-306

C Channel



HSSP-307

Square Steel Tube



HSSP-308

U Channel



HSSP-309

H Beam



HSSP-310

Angle Bar



HSSP-311

I Beam



HSSP-312

Electro Mechanical

Hose Clamp



HEMSS-401

Thread Rod



HEMSS-402

Eye Bolt



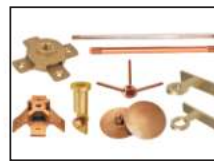
HEMSS-403

Duct Insulation



HEMSS-404

Air Rod Terminal Base



HEMSS-405

Square Duct-Rectangular



HEMSS-406

Ventilation Round Duct



HEMSS-407

Flexible Pipe



HEMSS-408

Swivel Loop Hanger



HEMSS-409

GI Mesh



HEMSS-410

Unifix



HEMSS-411

Flexible Duct



HEMSS-412

Lubricant

Hydraulic Oil



HLC-501

Engine Oil



HLC-502

Grease



HLC-503

Compressor Oil



HLC-504

High Temperature Grease



HLC-505

Fire Resistant Lubricating Grease



HLC-506

Measuring & Pneumatic Equipment

Pressure Gauge



HMPE-601

Pressure Sensor



HMPE-602

Digital Pressure Gauge



HMPE-603

Flow Switch



HMPE-604

Process Transmitter



HMPE-605

Pressure Gauges with Output Signal



HMPE-606

Dial Thermometer



HMPE-607

Digital Indicator



HMPE-608

Temperature Switch



HMPE-609

Temperature Controller



HMPE-610

Thermometers with Switch Contact



HMPE-611

Air Flow Sensor



HMPE-612

Ultrasonic Flow Meter



HMPE-613

Magnetic Inductive Flow Meter



HMPE-614

Motor Ball Valve



HMPE-615

Pneumatic Control



HMPE-616

Pressure Sensor



HMPE-617

Process & Control Valve



HMPE-618

Solenoid Control Valves



HMPE-619

Solenoid Valves



HMPE-620

Photoelectric Sensor



HMPE-621

CO₂ Sensor



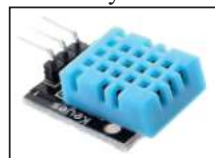
HMPE-622

PH Sensor







HMPE-623

Humidity Sensors



HMPE-624







Ventilation (Mechanical / Natural) & Insulation

Exhaust Fan 	Cooling Pad 	Blower 	Rockwool-Insulation 	Gypsum Board 	Copper Insulation 
HVI-701	HVI-702	HVI-703	HVI-704	HVI-705	HVI-706

Smoke Management System

Fire Rated Fans 	Smoke Vents 	Combination Fire & Smoke Dampers 	Motorized Smoke Dampers 	Centrifugal Fan 	GI Ducts 
HSMS-801	HSMS-802	HSMS-803	HSMS-804	HSMS-805	HSMS-806













Renewable Energy

Solar Panel 	Inverter 	Battery 	Offgrid power System 	Solar Racking 	Charge Controllers 
HRE-901	HRE-902	HRE-903	HRE-904	HRE-905	HRE-906







Audio Sound System

Microphone 	Amplifier & Zone Controller 	Speakers 	Wireless Guide System 	Megaphones 	Wireless Microphone 
HASS-1001	HASS-1002	HASS-1003	HASS-1004	HASS-1005	HASS-1005

Electric Items

Magnetic Contactor 	Molded Case Circuit Breaker 	Automatic transfer switch 	Overload Relays 	Relays 	Earth Leakage Circuit Breakers 
HES-1101	HES-1102	HES-1103	HES-1104	HES-1105	HES-1106
ACB 	Distribution Transformer 	Single Phase Transforma 	Main Distribution Board 	Sub Distribution Board 	Metal Cable Tray 
HES-1107	HES-1108	HES-1109	HES-1110	HES-1111	HES-1112

Lightning Protection Systems (LPS)

Copper Strip	Air Terminal Rod	Air Terminal Base	Copper strip shackle	Joint Clamp	U bolt clamp
					
HLPS-1201	HLPS-1202	HLPS-1203	HLPS-1204	HLPS-1205	HLPS-1206

Tools Equipments & Bearing

Combo Kits	Hammer Drill	Saws	Grinders	Demolition Hammers	Mini Welding
					
HTE-1301	HTE-1302	HTE-1303	HTE-1304	HTE-1305	HTE-1306
Hand Tools	Plasma Cutter	Hand Held Circular Saw	Screwdriver Set	Jig Saw	Bearing
					
HTE-1307	HTE-1308	HTE-1309	HTE-1310	HTE-1311	HTE-1312

Turnkey Project



Boiler

HTP-1401



Boiler

HTP-1402



Chiller

HTP-1403



Pumps

HTP-1404



Industrial Air Compressor

HTP-1405

Consultancy

- Green Building Design, LEED Certification
- MEP Design of Industrial & Commercial Building
- Fire Protection system design
- Hydromantic Calculation
- Environmental system
- Testing & Counseling
- Rain water Harvesting
- Efficient Energy Management

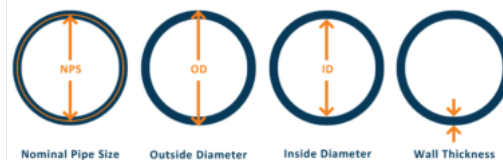
What is Pipe Schedule?

A pipe schedule (SCH) is a measure of a steel pipe's nominal wall thickness.

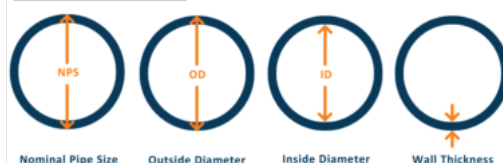
Metric Rules-of-Thumb

- 1 mm = about 1/25 inch = thickness of a dime
- 25 mm = about 1 inch (1" = 25.4 mm)
- 300 mm = about 1 foot (12" = 304.8 mm)
- 1 m² = roughly 10 sq. ft. (1 m² = 10.76 sq. ft.)
- 1 L = about 1 quart (1 L = 1.06 qt.)
- 1 kg = about 2.2 pounds
- 1000 kg = 1 Mg = 1 metric ton = about 2200 lbs.

For NPS 1/2 to 12



For NPS 14 and above




Nominal pipe size mm/inch	OD mm	20	30	STD	40	60	XS	80	100	120	140	160	XXS	Shipping vol/CBM
15 1/2	21.3			2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.55	0.0004
20 3/4	26.7			2.87 1.69	2.87 1.69		3.91 2.20	3.91 2.20				5.56 2.90	7.82 3.64	0.0007
25 1	33.4			3.38 2.50	3.38 2.50		4.55 3.24	4.55 3.24				6.35 4.24	9.09 5.45	0.0011
32 1 1/4	42.2			3.56 3.39	3.56 3.39		4.85 4.47	4.85 4.47				6.35 5.61	9.70 7.77	0.0017
40 1 1/2	48.3			3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.25	10.15 9.56	0.023
50 2	60.3			3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.11	11.07 13.44	0.036
65 2 1/2	73.0			5.16 8.63	5.16 8.63		7.01 11.41	7.01 11.41				9.53 14.92	14.02 20.39	0.0053
80 3	88.9			5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27				11.13 21.35	15.24 27.68	0.0079
90 3 1/2	101.6			5.74 13.57	5.74 13.57		8.08 18.63	8.08 18.63				- -	- -	0.0103
100 4	114.3			6.02 16.07	6.02 16.07		8.56 22.32	8.56 22.32		11.13 28.32		13.49 33.54	17.12 41.03	0.0130
125 5	141.3			6.55 21.77	6.55 21.77		9.53 30.97	9.53 30.97		12.70 40.28		15.88 49.11	19.05 57.43	0.0199
150 6	168.3			7.11 28.26	7.11 28.26		10.97 42.56	10.97 42.56		14.27 54.20		18.26 67.56	21.95 79.22	0.028
200 8	219.1	6.35 33.31	7.04 36.81	8.18 42.55	8.18 42.55	10.31 53.08	12.70 64.64	12.70 64.64	15.09 75.92	18.26 90.44	20.62 100.92	23.01 111.27	22.23 107.92	0.048
250 10	273.1	6.35 41.77	7.80 51.03	9.27 60.31	9.27 60.31	12.70 81.55	12.70 81.55	15.09 96.01	18.26 114.75	21.44 133.06	25.40 155.15	28.58 172.33	25.40 155.15	0.074
300 12	323.9	6.35 49.73	8.38 65.20	9.53 73.88	10.31 79.73	14.27 108.96	12.70 97.46	17.48 132.08	21.44 159.91	25.40 186.97	28.58 208.14	33.32 238.76	25.40 186.97	0.104
350 14	355.6	7.92 67.90	9.53 81.33	9.53 81.33	11.13 94.55	15.09 126.71	12.70 107.39	19.05 158.10	23.83 194.96	27.79 224.65	31.75 253.56	35.71 281.70		0.126
400 16	406.4	7.92 77.83	9.53 93.27	9.53 93.27	12.70 123.30	16.66 160.12	12.70 123.30	21.44 203.53	26.19 245.56	30.96 286.64	36.53 333.19	40.49 365.35		0.165
450 18	457.2	7.92 87.71	11.13 122.38	9.53 105.16	14.27 155.80	19.05 205.74	12.70 139.15	23.88 254.55	29.36 309.62	34.93 363.56	39.67 408.26	45.24 459.37		0.209
500 20	508.0	9.53 117.15	12.70 155.12	9.53 117.15	15.09 183.42	20.62 247.83	12.70 155.12	26.19 311.17	32.54 381.53	38.10 441.49	44.45 508.11	50.01 564.81		0.258
550 22	558.8	9.53 129.13	12.70 171.09	9.53 129.13	- -	22.23 294.25	12.70 171.09	28.58 373.83	34.93 451.42	41.28 527.02	47.63 600.63	53.98 672.26		0.312
600 24	609.6	9.53 141.12	14.27 209.64	9.53 141.12	17.48 255.41	24.61 355.26	12.70 187.06	30.96 442.08	38.89 547.71					0.372
650 26	660.4	12.70 202.72	- -	9.53 152.87	- -		12.70 202.72							0.436
700 28	711.2	12.70 218.69	15.88 271.21	9.53 164.85	- -		12.70 218.69							0.505

SI Units (Metric)

OD = mm
Wall thickness = mm
Weight = kg/m (plain end mass)

Pipe Schedules (according to ASME/ANSI B36.10M)



 House # 02 (1st Floor),
Road # 12/A, Sector # 10,
Uttara, Dhaka-1230

 Shop # 38, Majed Sarder Tower -1,
Hazi Osman Goni Road, Alu Bazar,
Nawabpur, Bangshal, Dhaka-1100

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