

23 31 HVAC Ducts and Casings

23 31 13 – Metal Ducts

23 31 13.13 Rectangular Metal Ducts

		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
1240	For 80% fittings, add				Lb.		124%			
1244	For 90% fittings, add						147%			
1248	For 100% fittings, add				↓		169%			
1252	Note: Fittings add includes time for detailing and installation.									

23 31 13.19 Metal Duct Fittings

0010	METAL DUCT FITTINGS									
2000	Fabrics for flexible connections, with metal edge	1 Shee	100	.080	L.F.	4.85	5.40		10.25	13.50
2100	Without metal edge	"	160	.050	"	3.94	3.38		7.32	9.45

23 31 16 – Nonmetal Ducts

23 31 16.13 Fibrous-Glass Ducts

0010	FIBROUS-GLASS DUCTS									
3490	Rigid fiberglass duct board, foil reinf. kraft facing									
3500	Rectangular, 1" thick, alum. faced, (FRK), std. weight	Q-10	350	.069	SF Surf	.93	4.32		5.25	7.50

23 31 16.22 Duct Board

0010	DUCT BOARD									
3800	Rigid, resin bonded fibrous glass, FSK									
3810	Temperature, bacteria and fungi resistant									
3820	1" thick	Q-14	150	.107	S.F.	1.81	6.05		7.86	11.25
3830	1-1/2" thick	Q-14	130	.123	S.F.	2.39	7		9.39	13.35
3840	2" thick	"	120	.133	"	4.12	7.55		11.67	16.15

23 33 Air Duct Accessories

23 33 13 – Dampers

23 33 13.13 Volume-Control Dampers

0010	VOLUME-CONTROL DAMPERS									
5990	Multi-blade dampers, opposed blade, 8" x 6"	1 Shee	24	.333	Ea.	44	22.50		66.50	82
5994	8" x 8"		22	.364		145	24.50		169.50	197
5996	10" x 10"		21	.381		124	25.50		149.50	175
6000	12" x 12"		21	.381		124	25.50		149.50	175
6020	12" x 18"		18	.444		189	30		219	253
6030	14" x 10"		20	.400		129	27		156	183
6031	14" x 14"		17	.471		148	32		180	210
6033	16" x 12"		17	.471		186	32		218	252
6035	16" x 16"		16	.500		148	34		182	213
6037	18" x 16"		15	.533		156	36		192	226
6038	18" x 18"		15	.533		186	36		222	260
6070	20" x 16"		14	.571		224	38.50		262.50	305
6072	20" x 20"		13	.615		186	41.50		227.50	268
6074	22" x 18"		14	.571		107	38.50		145.50	176
6076	24" x 16"		11	.727		233	49		282	330
6078	24" x 20"		8	1		198	67.50		265.50	320
6080	24" x 24"		8	1		214	67.50		281.50	335
6110	26" x 26"	↓	6	1.333		248	90		338	410
6133	30" x 30"	Q-9	6.60	2.424		287	147		434	535
6135	32" x 32"		6.40	2.500		287	152		439	545
6180	48" x 36"	↓	5.60	2.857	↓	530	174		704	845
8000	Multi-blade dampers, parallel blade									
8100	8" x 8"	1 Shee	24	.333	Ea.	136	22.50		158.50	184
8140	16" x 10"		20	.400		142	27		169	197
8200	24" x 16"		11	.727		178	49		227	269