

**DA
CON
C
A
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RACCORDI

UNI/ISO

Curve ISO R=1,5D Saldate

ISO bends R=1,5D Welded

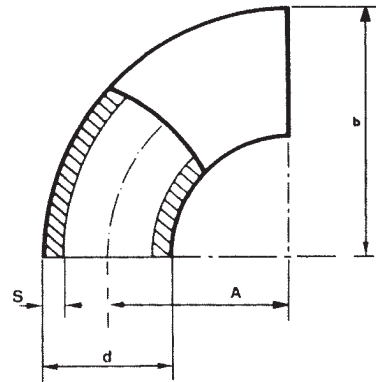


Fig. 900
90°

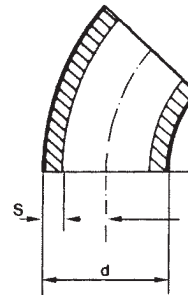


Fig. 945
45°

Ø d	S mm	Peso / Weight		R	A - 90°	b
		90°	45°			
21.3	2.0	-	-	27.5	27.5	38
26.9	2.3	-	-	28.5	28.5	42
33.7	2.6	0.1	-	38	38	55
38.0	2.6	0.2	-	45	45	64
42.4	2.6	0.2	-	47.5	47.5	69
44.5	2.6	0.2	-	51	51	73.5
48.3	2.6	0.2	-	57	57	82
51.0	2.6	0.4	-	64	64	89.5
57.0	2.9	0.4	-	72	72	100.5
60.3	2.9	0.5	-	76.1	76.1	106
70.0	2.9	0.7	-	92	92	127
76.1	2.9	0.8	-	95	95	133
82.5	3.2	1.0	-	115	115	156.5
88.9	3.2	1.2	-	114.3	114.3	159
101.6	3.6	1.8	-	133.5	133.5	184
108.0	3.6	2.0	-	142.5	142.5	196
114.3	3.6	2.3	-	152.5	152.5	210
133.0	4.0	3.6	-	181	181	247
139.7	4.0	4.0	-	190.5	190.5	260
159.0	4.5	5.8	-	216	216	295
168.3	4.5	6.5	3.2	228.6	228.6	313
193.7	5.4	11.0	5.5	270	270	367
219.1	4.5 - 5.9	14.9	7.4	305	305	415
244.5	5.6 - 6.3	19.8	9.9	340	340	462.5
273.0	5.6 - 6.3	25.0	12.5	340	340	517
323.9	6.3 - 7.1	40.0	20.0	457	457.2	619

Curve ISO R=1,5D Saldate

ISO bends R=1,5D Welded

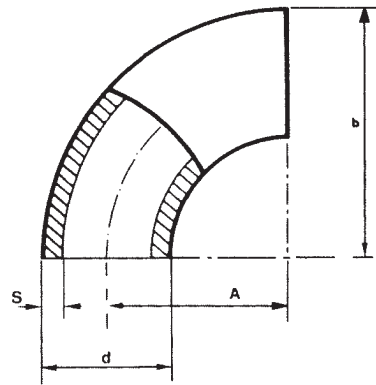


Fig. 900
90°

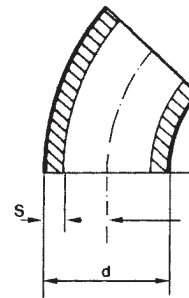


Fig. 945
45°

Ø d	S mm	Peso / Weight		R	A - 90°	b
		90°	45°			
355.6	6.3	48.0	24.0	534	534	711
368.3	6.3	58.0	29.0	534	534	717
406.4	6.3	69.0	34.5	609	609	813
419	6.3	82.0	41.0	609	609	819
457.2	6.3	111.0	55.5	686	686	915
508	6.3	122.0	61.0	782	782	1016
558	6.3	180.0	90.0	838	838	1118
609.6	6.3	250.0	125.0	915	915	1219
660.4	-	-	-	990.6	990.6	1320
711.2	7.9	-	-	1066.8	1066.8	1422
762	-	-	-	1143	1143	1524
813	9.5	-	-	1220	1220	1626
863.6	-	-	-	1295.4	1295.4	1727
914.4	9.5	-	-	1371.6	1371.6	1828

Fondi bombati serie UNI/ISO - Innesti a scarpa

UNI/ISO Caps - Butt-welding outlets

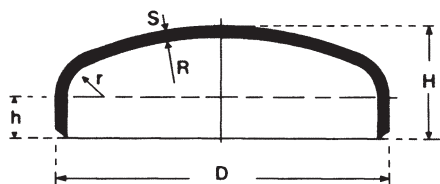


Fig. 901

Diametro esterno D mm	Spessore S mm	Altezza totale H mm	Altezza bordo h mm	Raggio grande R mm	Raggio piccolo r mm	Peso teorico kg
33.7	2.3	17	5	34	4	0.03
42.4	2.6	20	5	43	4	0.05
48.3	2.6	21	6	48	4	0.06
60.3	2.9	25	7	60	6	0.12
70	2.9	28	8	70	6	0.16
76.1	2.9	30	9	76	6	0.21
88.9	3.2	33	11	89	8	0.28
101.6	3.6	34	11	102	8	0.36
108	3.6	35	11	108	8	0.39
114.3	3.6	36	12	114	8	0.46
133	4	39	12	133	10	0.59
139.7	4	41	12	140	12	0.62
159	4.5	51	15	159	15	1.11
168.3	4.5	56	16	168	15	1.23
193.7	5.4	57	17	194	20	1.89
219.1	5.9	57	17	220	20	2.21
244.5	6.3	60	17	240	25	3.16
273	6.3	65	18	270	28	3.67
323.9	7.1	70	35	640	50	6.30
355.6	8	80	40	710	50	8.30
368	8	80	40	730	50	9.20
406.4	8.8	90	45	810	50	11.50
419	8.8	90	45	830	50	12.80
457.2	10	100	50	910	50	17.00
508	11	110	55	1010	50	22.00

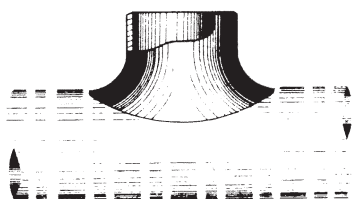
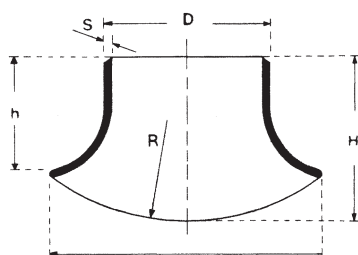


Fig. 902

Diametro esterno D mm	Spessore S mm	Altezza totale H mm	Altezza innesto h mm	Larghezza totale L mm	Raggio R mm	Peso teorico kg
26.9	2	40	31	43	32	0.05
33.7	2.3	42	32	53	42	0.08
42.4	2.6	45	33	67	55	0.12
48.3	2.6	50	36	76	60	0.15
60.3	2.9	60	43	96	77	0.25
70	2.9	70	51	112	92	0.34
76.1	2.9	73	53	121	100	0.39
88.9	3.2	80	57	142	122	0.55
101.6	3.6	91	65	161	138	0.80
108	3.6	97	68	172	144	0.91
114.3	3.6	102	74	182	160	1.01
133	4	119	83	213	174	1.53
139.7	4	125	87	222	182	1.69
159	4.5	143	100	254	212	2.45
168.3	4.5	151	107	268	224	2.74
193.7	5.4	174	122	309	258	4.35
219.1	5.9	197	137	355	295	6.11

Curve a sella 3D - Curve 3D tagliate dritte

Saddle bends 3D - Cut bends 3D

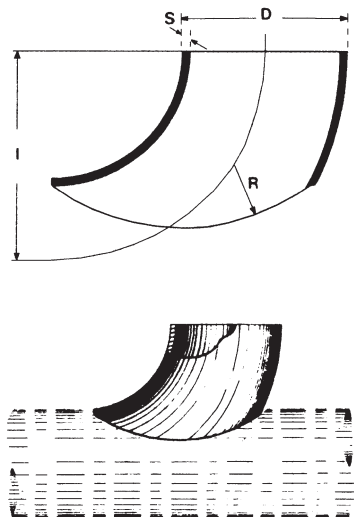


Fig. 903

Diametro esterno D mm	Spessore S mm	Interasse I mm	Raggio R mm	Peso teorico kg
42.4	2.6	47.5	48	0.05
48.3	2.6	57	57	0.19
60.3	2.9	76	76	0.37
70	2.9	92	92	0.52
76.1	2.9	95	95	0.59
88.9	3.2	114.5	114	0.91
101.6	3.6	133.5	133	1.38
108	3.6	142.5	142	1.56
114.3	3.6	152.5	152	1.77
133	4	181	181	2.73
139.7	4	190.5	190	3.03
159	4.5	216	216	4.35
168.3	4.5	228.5	228	4.87
193.7	5.4	270	270	7.50
219.1	5.9	305	305	11.20
273.0	6.3	381	381	19.00
323.9	7.1	457	457	30.00

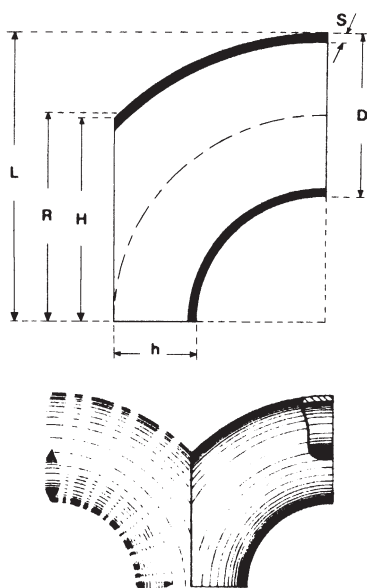


Fig. 904

Diametro esterno D mm	Spessore S mm	Raggio R mm	Lunghezza L mm	Altezza taglio H mm	Altezza base h mm	Peso teorico kg
60.3	2.9	76	106.2	74.1	30.15	0.37
70	2.9	92	127	87.6	35.00	0.52
76.1	2.9	95	133.1	93.2	38.05	0.59
88.9	3.2	114.5	158.9	110.3	44.45	0.91
101.6	3.6	133.5	184.3	127.1	50.80	1.38
108	3.6	142.5	196.5	135.5	54.00	1.57
114.3	3.6	152.5	209.7	143.9	57.15	1.78
133	4	181	247.5	168.9	66.50	2.73
139.7	4	190.5	260.4	177.5	69.85	3.03
159	4.5	216	295.5	201.7	79.50	4.35
168.3	4.5	228.5	312.7	213.4	84.15	4.88
193.7	5.4	270	366.9	250.3	96.85	7.96
219.1	5.9	305	414.6	283.0	109.55	11.12

Riduzioni concentriche

Concentric reducers

According to AFNOR: NF A 49-184

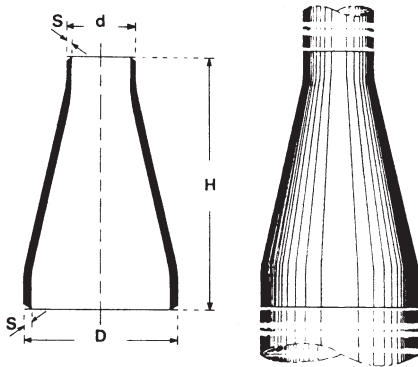


Fig. 908

Ø Grande		Ø Piccolo		Altezza H mm	Peso teorico kg
Esterno D mm	Spessore S mm	Esterno d mm	Spessore s mm		
33.7	2.3	17.2	1.8	46	0.10
		21.3	2	37	0.09
		26.9	2	35	0.08
42.4	2.6	26.9	2	51	0.14
		33.7	2.3	39	0.12
48.3	2.6	26.9	2	51	0.14
		33.7	2.3	50	0.15
60.3	2.9	42.4	2.6	38	0.13
		26.9	2	98	0.45
		33.7	2.3	81	0.33
70	2.9	42.4	2.6	61	0.27
		48.3	2.6	50	0.22
		33.7	2.3	104	0.49
		42.4	2.6	88	0.40
76.1	2.9	48.3	2.6	73	0.34
		60.3	2.9	51	0.24
		42.4	2.6	98	0.46
88.9	3.2	48.3	2.6	85	0.34
		60.3	2.9	63	0.24
		42.4	2.6	120	0.84
101.6	3.6	48.3	2.6	108	0.74
		60.3	2.9	86	0.59
		70	2.9	68	0.47
		76.1	2.9	56	0.39
		60.3	2.9	118	1.04
108	3.6	70	2.9	92	0.18
		76.1	2.9	78	0.69
		88.9	3.2	56	0.50
114.3	3.6	60.3	2.9	118	1.04
		70	2.9	103	0.91
		76.1	2.9	88	0.78
		88.9	3.2	68	0.64
		48.3	2.6	157	1.35
133	4	60.3	2.9	142	1.25
		70	2.9	122	1.07
		76.1	2.9	106	0.96
		88.9	3.2	90	0.88
		101.6	3.6	66	0.66
139.7	4	60.3	2.9	195	2.50
		70	2.9	158	2.00
		76.1	2.9	152	1.95
		88.9	3.2	123	1.55
		101.6	3.6	96	1.22
159	4.5	108	3.6	80	1.06
		114.3	3.6	75	0.96
		133	4	84	1.44
		139.7	4	60	1.03
		88.9	3.2	190	3.25
168.3	4.5	101.6	3.6	165	2.83
		108	3.6	152	2.60
		114.3	3.6	136	2.33
		133	4	100	1.70
		139.7	4	88	1.51
193.7	5.4	159	4.5	60	1.09
		108	3.6	226	5.65
		114.3	3.6	205	5.13
		133	4	162	4.05
		139.7	4	142	3.55
219.1	5.9	159	4.5	104	2.60
		168.3	4.5	85	2.13
		108	3.6	245	6.13
		114.3	3.6	225	5.63
		133	4	186	4.65
244.5	6.3	139.7	4	180	4.50
		159	4.5	135	3.38
		168.3	4.5	125	3.13
		193.7	5.4	75	1.88
		139.7	4	240	7.40
273	6.3	159	4.5	186	5.77
		168.3	4.5	168	5.21
		193.7	5.4	120	3.73
		219.1	5.9	90	2.80
		139.7	4	280	10.40
323.9	7.1	159	4.5	238	8.83
		168.3	4.5	222	8.24
		193.7	5.4	175	6.50
		219.1	5.9	125	4.64
		244.5	6.3	100	3.71
355.6	8	219.1	5.9	260	10.95
		244.5	6.3	190	7.95
		273	6.3	135	5.70
		219.1	5.9	310	16.70
		244.5	6.3	260	14.00
368	8	273	6.3	200	10.30
		323.9	7.1	145	8.00
		219.1	5.9	340	18.50
		244.5	6.3	290	15.60
		273	6.3	230	11.40
406.4	8.8	323.9	7.1	150	8.60
		273	6.3	330	22.70
		323.9	7.1	205	14.20
		355.6	8	160	11.00
		368	8	130	9.30
419	8.8	273	6.3	360	26.70
		323.9	7.1	235	16.00
		355.6	8	190	12.80
		368	8	150	10.70
		368	8	150	10.70

Ø Grande		Ø Piccolo		Altezza H mm	Peso teorico kg
Esterno D mm	Spessore S mm	Esterno d mm	Spessore s mm		
139.7	4	60.3	2.9	200	2.40
		70	2.9	182	2.20
		76.1	2.9	160	2.05
		88.9	3.2	132	1.70
		101.6	3.6	102	1.31
159	4.5	108	3.6	90	1.20
		114.3	3.6	85	1.09
		133	4	60	0.81
		76.1	2.9	200	3.22
		88.9	3.2	180	3.08
168.3	4.5	101.6	3.6	152	2.60
		108	3.6	140	2.40
		114.3	3.6	124	2.13
		133	4	84	1.44
		139.7	4	60	1.03
193.7	5.4	88.9	3.2	190	3.25
		101.6	3.6	165	2.83
		108	3.6	152	2.60
		114.3	3.6	136	2.33
		133	4	100	1.70
219.1	5.9	139.7	4	88	1.51
		159	4.5	60	1.09
		108	3.6	226	5.65
		114.3	3.6	205	5.13
		133	4	162	4.05
244.5	6.3	139.7	4	142	3.55
		159	4.5	104	2.60
		168.3	4.5	85	2.13
		108	3.6	245	6.13
		114.3	3.6	225	5.63
273	6.3	133	4	186	4.65
		139.7	4	180	4.50
		159	4.5	135	3.38
		168.3	4.5	125	3.13
		193.7	5.4	75	1.88
323.9	7.1	139.7	4	240	7.40
		159	4.5	186	5.77
		168.3	4.5	168	5.21
		193.7	5.4	120	3.73
		219.1	5.9	90	2.80
355.6	8	139.7	4	280	10.40
		159	4.5	238	8.83
		168.3	4.5	222	8.24
		193.7	5.4	175	6.50
		219.1	5.9	125	4.64
368	8	244.5	6.3	100	3.71
		219.1	5.9	260	10.95
		244.5	6.3	190	7.95
		273	6.3	135	5.70
		219.1	5.9	310	16.70
406.4	8.8	244.5	6.3	260	14.00
		273	6.3	200	10.30
		323.9	7.1	145	8.00
		219.1	5.9	340	18.50
		244.5	6.3	290	15.60
419	8.8	273	6.3	230	11.40
		323.9	7.1	150	8.60
		273	6.3	330	22.70
		323.9	7.1	205	14.20
		355.6	8	160	11.00
419	8.8	368	8	130	9.30
		273	6.3	360	26.70
		323.9	7.1	235	16.00
		355.6	8	190	12.80
		368	8	150	10.70