



BẦU GIẢM HÀN THÉP

MÃ SẢN PHẨM
TÊN SẢN PHẨM

Kiểu Nối

Chất Liệu

Tiêu Chuẩn

Độ Dày

SP – 33

GIẢM HÀN THÉP ĐÚC ASTM A234 WPB ANSI
B16.9

Hàn đối đầu- Butt-Welding - (B/W)

Thép đúc- Carbon Steel ASTM A234 Gr WBP

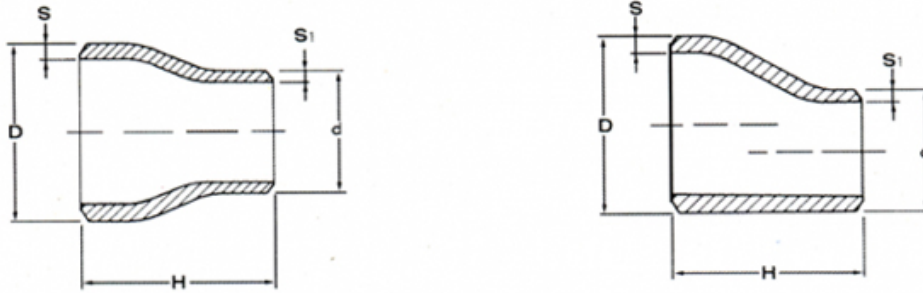
ASME/ANSI B 16.9 ~ B 16.25 ~ B 16.28

STD ~ SCH 40S ~ SCH 80S ~ SCH 120S ~ SCH

160S ~ XXS

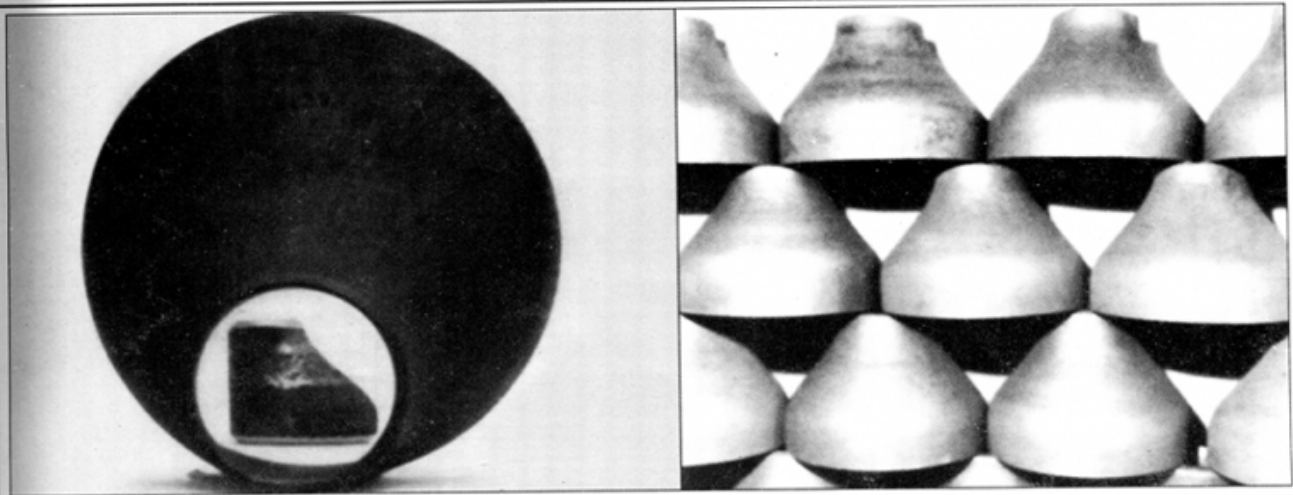
Kích Cỡ	DN 15A → DN 1200A ⇔ (21.3 mm → 1219.2 mm)
Sử Dụng	Nước, gas, xăng, dầu, thủy lực, hơi nóng, khí nén,...
Tình Trạng	Hàng có sẵn, mới 100%
Xuất Xứ	Trung Quốc - Đài Loan
Đơn Giá	Xin liên hệ

Concentric and eccentric reducers



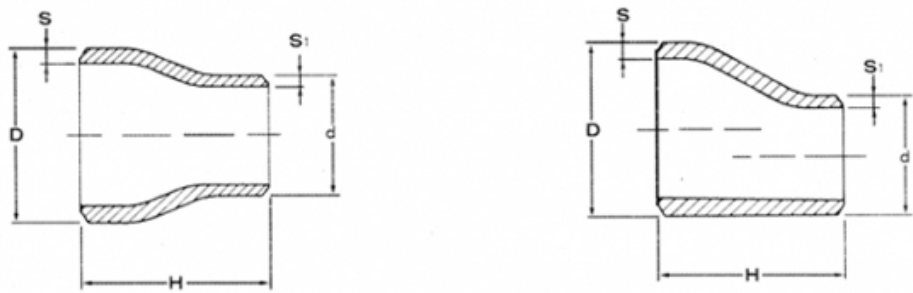
D	d	H	Odia.	SCH.STD		SCH.XS		SCH.10		SCH.20		SCH.30		SCH.40	
				S	S1	S	S1	S	S1	S	S1	S	S1	S	S1
26.7	21.3	38	3/4"x 1/2"	2.87	2.77	3.91	3.73	-	-	-	-	-	-	2.87	2.77
33.4	26.7	51	1"x 3/4"	3.38	2.87	4.55	3.91	-	-	-	-	-	-	3.38	2.87
33.4	21.3		1"x 1/2"	3.38	2.77	4.55	3.73	-	-	-	-	-	-	3.38	2.77
42.2	33.4	51	1-1/4"x 1"	3.56	3.38	4.85	4.55	-	-	-	-	-	-	3.56	3.38
42.2	26.7		1-1/4"x 3/4"	3.56	2.87	4.85	3.91	-	-	-	-	-	-	3.56	2.87
42.2	21.3		1-1/4"x 1/2"	3.56	2.77	4.85	3.73	-	-	-	-	-	-	3.56	2.77
48.3	42.2	64	1-1/2"x 1-1/4"	3.68	3.56	5.08	4.85	-	-	-	-	-	-	3.68	3.56
48.3	33.4		1-1/2"x 1"	3.68	3.38	5.08	4.55	-	-	-	-	-	-	3.68	3.38
48.3	26.7		1-1/2"x 3/4"	3.68	2.87	5.08	3.91	-	-	-	-	-	-	3.68	2.87
48.3	21.3		1-1/2"x 1/2"	3.68	2.77	5.08	3.73	-	-	-	-	-	-	3.68	2.77
60.3	48.3	76	2"x 1-1/2"	3.91	3.68	5.54	5.08	-	-	-	-	-	-	3.91	3.68
60.3	42.2		2"x 1-1/4"	3.91	3.56	5.54	4.85	-	-	-	-	-	-	3.91	3.56
60.3	33.4		2"x 1"	3.91	3.38	5.54	4.55	-	-	-	-	-	-	3.91	3.38
60.3	26.7		2"x 3/4"	3.91	2.87	5.54	3.91	-	-	-	-	-	-	3.91	2.87
60.3	21.3		2"x 1/2"	3.91	2.77	5.54	3.73	-	-	-	-	-	-	3.91	2.77
73.0	60.3	89	2-1/2"x 2"	5.16	3.91	7.01	5.54	-	-	-	-	-	-	5.16	3.91
73.0	48.3		2-1/2"x 1-1/2"	5.16	3.68	7.01	5.08	-	-	-	-	-	-	5.16	3.68
73.0	42.2		2-1/2"x 1-1/4"	5.16	3.56	7.01	4.85	-	-	-	-	-	-	5.16	3.56
73.0	33.4		2-1/2"x 1"	5.16	3.38	7.01	4.55	-	-	-	-	-	-	5.16	3.38
88.9	73.0	89	3"x 2-1/2"	5.49	5.16	7.62	7.01	-	-	-	-	-	-	5.49	5.16
88.9	60.3		3"x 2"	5.49	3.91	7.62	5.54	-	-	-	-	-	-	5.49	3.91
88.9	48.3		3"x 1-1/2"	5.49	3.68	7.62	5.08	-	-	-	-	-	-	5.49	3.68
88.9	42.2		3"x 1-1/4"	5.49	3.56	7.62	4.85	-	-	-	-	-	-	5.49	3.56
88.9	33.4		3"x 1"	5.49	3.38	7.62	4.55	-	-	-	-	-	-	5.49	3.38
101.6	88.9	102	3-1/2"x 3"	5.74	5.49	8.08	7.62	-	-	-	-	-	-	5.74	5.49
101.6	73.0		3-1/2"x 2-1/2"	5.74	5.16	8.08	7.01	-	-	-	-	-	-	5.74	5.16
101.6	60.3		3-1/2"x 2"	5.74	3.91	8.08	5.54	-	-	-	-	-	-	5.74	3.91
101.6	48.3		3-1/2"x 1-1/2"	5.74	3.68	8.08	5.08	-	-	-	-	-	-	5.74	3.68
101.6	42.2		3-1/2"x 1-1/4"	5.74	3.56	8.08	4.85	-	-	-	-	-	-	5.74	3.56
114.3	101.6	102	4"x 3-1/2"	6.02	5.74	8.56	8.08	-	-	-	-	-	-	6.02	5.74
114.3	88.9		4"x 3"	6.02	5.49	8.56	7.62	-	-	-	-	-	-	6.02	5.49
114.3	73.0		4"x 2-1/2"	6.02	5.16	8.56	7.01	-	-	-	-	-	-	6.02	5.16
114.3	60.3		4"x 2"	6.02	3.91	8.56	5.54	-	-	-	-	-	-	6.02	3.91
114.3	48.3		4"x 1-1/2"	6.02	3.68	8.56	5.08	-	-	-	-	-	-	6.02	3.68
114.3	42.2		4"x 1-1/4"	6.02	3.56	8.56	4.85	-	-	-	-	-	-	6.02	3.56

Concentric and eccentric reducers



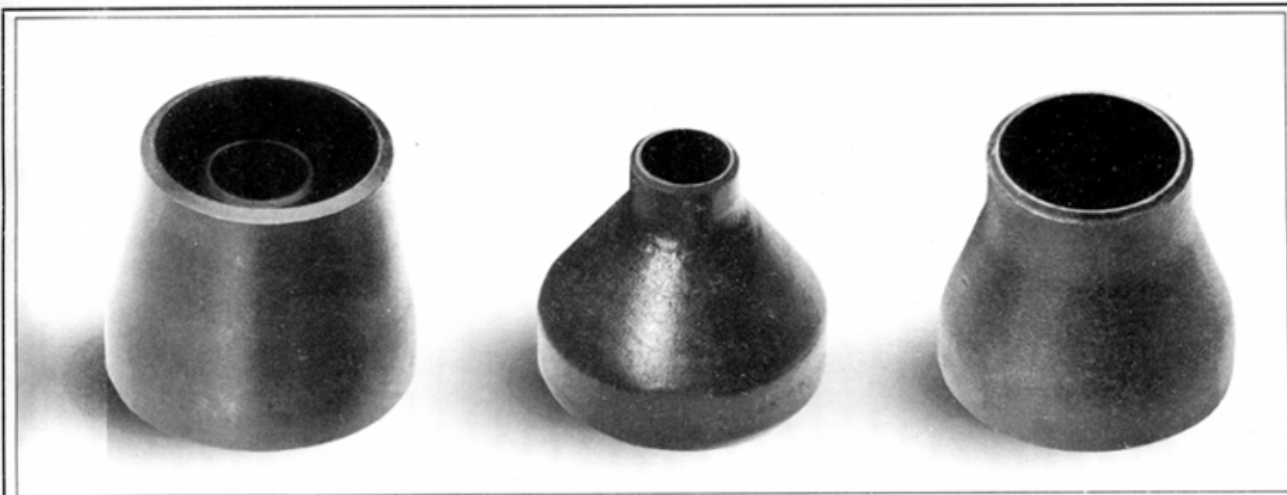
SCH.60		SCH.80		SCH.100		SCH.120		SCH.140		SCH.160		SCH.XXS		Odia.
S	S1	S	S1	S	S1	S	S1	S	S1	S	S1	S	S1	
-	-	3.91	3.73	-	-	-	-	-	-	5.54	4.75	7.82	7.47	3/4"x 1/2"
-	-	4.55	3.91	-	-	-	-	-	-	6.35	5.54	9.09	7.82	1"x 3/4"
-	-	4.55	3.73	-	-	-	-	-	-	6.35	4.75	9.09	7.47	1"x 1/2"
-	-	4.85	4.55	-	-	-	-	-	-	6.35	6.35	9.70	9.09	1-1/4"x 1"
-	-	4.85	3.91	-	-	-	-	-	-	6.35	5.54	9.70	7.82	1-1/4"x 3/4"
-	-	4.85	3.73	-	-	-	-	-	-	6.35	4.75	9.70	7.47	1-1/4"x 1/2"
-	-	5.08	4.85	-	-	-	-	-	-	7.14	6.35	10.16	9.70	1-1/2"x 1-1/4"
-	-	5.08	4.55	-	-	-	-	-	-	7.14	6.35	10.16	9.09	1-1/2"x 1"
-	-	5.08	3.91	-	-	-	-	-	-	7.14	5.54	10.16	7.82	1-1/2"x 3/4"
-	-	5.08	3.73	-	-	-	-	-	-	7.14	4.75	10.16	7.47	1-1/2"x 1/2"
-	-	5.54	5.08	-	-	-	-	-	-	8.71	7.14	11.07	10.16	2"x 1-1/2"
-	-	5.54	4.85	-	-	-	-	-	-	8.71	6.35	11.07	9.70	2"x 1-1/4"
-	-	5.54	4.55	-	-	-	-	-	-	8.71	6.35	11.07	9.09	2"x 1"
-	-	5.54	3.91	-	-	-	-	-	-	8.71	5.54	11.07	7.82	2"x 3/4"
-	-	5.54	3.73	-	-	-	-	-	-	8.71	4.75	11.07	7.47	2"x 1/2"
-	-	7.01	5.54	-	-	-	-	-	-	9.52	8.71	14.02	11.07	2-1/2"x 2"
-	-	7.01	5.08	-	-	-	-	-	-	9.52	7.14	14.02	10.16	2-1/2"x 1-1/2"
-	-	7.01	4.85	-	-	-	-	-	-	9.52	6.35	14.02	9.70	2-1/2"x 1-1/4"
-	-	7.01	4.55	-	-	-	-	-	-	9.52	6.35	14.02	9.70	2-1/2"x 1"
-	-	7.62	7.01	-	-	-	-	-	-	11.12	9.52	15.24	14.02	3"x 2-1/2"
-	-	7.62	5.54	-	-	-	-	-	-	11.12	8.71	15.24	11.07	3"x 2"
-	-	7.62	5.08	-	-	-	-	-	-	11.12	7.14	15.24	10.16	3"x 1-1/2"
-	-	7.62	4.85	-	-	-	-	-	-	11.12	6.35	15.24	9.70	3"x 1-1/4"
-	-	7.62	4.55	-	-	-	-	-	-	11.12	6.35	15.24	9.09	3"x 1"
-	-	8.08	7.62	-	-	-	-	-	-	-	-	-	-	3-1/2"x 3"
-	-	8.08	7.01	-	-	-	-	-	-	-	-	-	-	3-1/2"x 2-1/2"
-	-	8.08	5.54	-	-	-	-	-	-	-	-	-	-	3-1/2"x 2"
-	-	8.08	5.08	-	-	-	-	-	-	-	-	-	-	3-1/2"x 1-1/2"
-	-	8.08	4.85	-	-	-	-	-	-	-	-	-	-	3-1/2"x 1-1/4"
-	-	8.56	8.08	-	-	-	-	-	-	-	-	-	-	4"x 3-1/2"
-	-	8.56	7.62	-	-	-	-	-	-	13.49	11.12	17.12	15.24	4"x 3"
-	-	8.56	7.01	-	-	-	-	-	-	13.49	9.54	17.12	14.02	4"x 2-1/2"
-	-	8.56	5.54	-	-	-	-	-	-	13.49	8.71	17.12	11.07	4"x 2"
-	-	8.56	5.08	-	-	-	-	-	-	13.49	7.14	17.12	10.16	4"x 1-1/2"
-	-	8.56	4.85	-	-	-	-	-	-	13.49	6.35	17.12	9.70	4"x 1-1/4"

Concentric and eccentric reducers



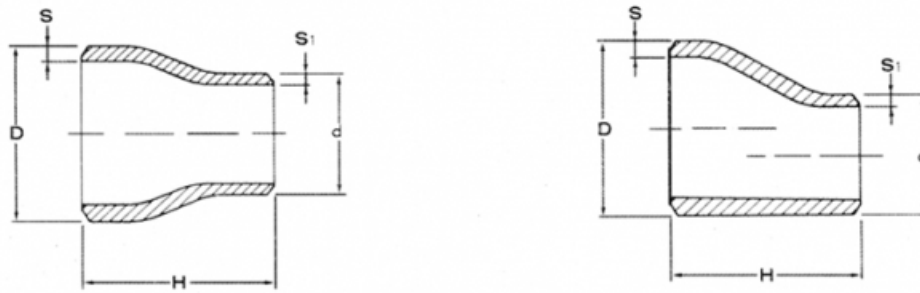
D	d	H	Odia.	SCH.STD		SCH.XS		SCH.10		SCH.20		SCH.30		SCH.40	
				S	S1	S	S1	S	S1	S	S1	S	S1	S	S1
114.3	33.4	102	4" x 1"	6.02	3.38	8.56	4.55	-	-	-	-	-	-	6.02	3.38
141.3	114.3	127	5" x 4"	6.55	6.02	9.52	8.56	-	-	-	-	-	-	6.55	6.02
141.3	101.6		5" x 3-1/2"	6.55	5.74	9.52	8.08	-	-	-	-	-	-	6.55	5.74
141.3	88.9		5" x 3"	6.55	5.49	9.52	7.62	-	-	-	-	-	-	6.55	5.49
141.3	73.0		5" x 2-1/2"	6.55	5.16	9.52	7.01	-	-	-	-	-	-	6.55	5.16
141.3	60.3		5" x 2"	6.55	3.91	9.52	5.54	-	-	-	-	-	-	6.55	3.91
168.3	141.3	140	6" x 5"	7.11	6.55	10.97	9.52	-	-	-	-	-	-	7.11	6.55
168.3	114.3		6" x 4"	7.11	6.02	10.97	8.56	-	-	-	-	-	-	7.11	6.02
168.3	101.6		6" x 3-1/2"	7.11	5.74	10.97	8.08	-	-	-	-	-	-	7.11	5.74
168.3	88.9		6" x 3"	7.11	5.49	10.97	7.62	-	-	-	-	-	-	7.11	5.49
168.3	73.0		6" x 2-1/2"	7.11	5.16	10.97	7.01	-	-	-	-	-	-	7.11	5.16
168.3	60.3	6" x 2"	7.11	3.91	10.97	5.54	-	-	-	-	-	-	7.11	3.91	
219.1	168.3	152	8" x 6"	8.18	7.11	12.70	10.97	-	-	-	-	-	-	8.18	7.11
219.1	141.3		8" x 5"	8.18	6.55	12.70	9.52	-	-	-	-	-	-	8.18	6.55
219.1	114.3		8" x 4"	8.18	6.02	12.70	8.56	-	-	-	-	-	-	8.18	6.02
219.1	101.6		8" x 3-1/2"	8.18	5.74	12.70	8.08	-	-	-	-	-	-	8.18	5.74
219.1	88.9		8" x 3"	8.18	5.49	12.70	7.62	-	-	-	-	-	-	8.18	5.49
273.0	219.1	178	10" x 8"	9.27	8.18	12.70	12.70	-	-	6.35	6.35	7.80	7.04	9.27	8.18
273.0	168.3		10" x 6"	9.27	7.11	12.70	10.97	-	-	-	-	-	-	9.27	7.11
273.0	141.3		10" x 5"	9.27	6.55	12.70	9.52	-	-	-	-	-	-	9.27	6.55
273.0	114.3		10" x 4"	9.27	6.02	12.70	8.56	-	-	-	-	-	-	9.27	6.02
273.0	88.9		10" x 3"	9.27	5.49	12.70	7.62	-	-	-	-	-	-	9.27	5.49
323.8	273.0	203	12" x 10"	9.52	9.27	12.70	12.70	-	-	6.35	6.35	8.38	7.80	10.31	9.27
323.8	219.1		12" x 8"	9.52	8.18	12.70	12.70	-	-	6.35	6.35	8.38	7.04	10.31	8.18
323.8	168.3		12" x 6"	9.52	7.11	12.70	10.97	-	-	-	-	-	-	10.31	7.11
323.8	141.3		12" x 5"	9.52	6.55	12.70	9.52	-	-	-	-	-	-	10.31	6.55
323.8	114.3		12" x 4"	9.52	6.02	12.70	8.56	-	-	-	-	-	-	10.31	6.02
355.6	323.0	330	14" x 12"	9.52	9.52	12.70	12.70	-	-	7.92	6.35	9.52	8.38	11.12	10.31
355.6	273.0		14" x 10"	9.52	9.27	12.70	12.70	-	-	7.92	6.35	9.52	7.80	11.12	9.27
355.6	219.1		14" x 8"	9.52	8.18	12.70	12.70	-	-	7.92	6.35	9.52	7.04	11.12	8.18
355.6	168.3		14" x 6"	9.52	7.11	12.70	10.97	-	-	-	-	-	-	11.12	7.11
406.4	355.6	356	16" x 14"	9.52	9.52	12.70	12.70	6.35	6.35	7.92	7.92	9.52	9.52	12.70	11.12
406.4	323.8		16" x 12"	9.52	9.52	12.70	12.70	-	-	7.92	6.35	9.52	8.38	12.70	10.31
406.4	273.0		16" x 10"	9.52	9.27	12.70	12.70	-	-	7.92	6.35	9.52	7.80	12.70	9.27
406.4	219.1		16" x 8"	9.52	8.18	12.70	12.70	-	-	7.92	6.35	9.52	7.04	12.70	8.18

Concentric and eccentric reducers



SCH.60		SCH.80		SCH.100		SCH.120		SCH.140		SCH.160		SCH.XXS		Odia.
S	S1	S	S1	S	S1	S	S1	S	S1	S	S1	S	S1	
-	-	8.56	4.55	-	-	-	-	-	-	13.49	6.35	17.12	9.09	4"x 1"
-	-	9.52	8.56	-	-	12.70	11.20	-	-	15.87	13.49	19.05	17.12	5"x 4"
-	-	9.52	8.08	-	-	-	-	-	-	-	-	-	-	5"x 3-1/2"
-	-	9.52	7.62	-	-	-	-	-	-	15.87	11.12	19.05	15.24	5"x 3"
-	-	9.52	7.01	-	-	-	-	-	-	15.87	9.52	19.05	14.02	5"x 2-1/2"
-	-	9.52	5.54	-	-	-	-	-	-	15.87	8.71	19.05	11.07	5"x 2"
-	-	10.97	9.52	-	-	14.27	12.70	-	-	18.24	15.87	21.94	19.05	6"x 5"
-	-	10.97	8.56	-	-	14.27	11.12	-	-	18.24	13.49	21.94	17.12	6"x 4"
-	-	10.97	8.08	-	-	-	-	-	-	-	-	-	-	6"x 3-1/2"
-	-	10.97	7.62	-	-	-	-	-	-	18.24	11.12	21.94	15.44	6"x 3"
-	-	10.97	7.01	-	-	-	-	-	-	18.24	9.52	21.94	14.02	6"x 2-1/2"
-	-	10.97	5.54	-	-	-	-	-	-	18.24	8.71	21.94	11.07	6"x 2"
-	-	12.70	10.97	-	-	18.24	14.27	-	-	23.01	18.24	22.22	21.94	8"x 6"
-	-	12.70	9.52	-	-	18.24	12.70	-	-	23.01	15.87	22.22	19.05	8"x 5"
-	-	12.70	8.56	-	-	18.24	11.12	-	-	23.01	13.49	22.22	17.12	8"x 4"
-	-	12.70	8.08	-	-	-	-	-	-	-	-	-	-	8"x 3-1/2"
-	-	12.70	7.62	-	-	-	-	-	-	23.01	11.12	22.22	15.24	8"x 3"
12.70	10.30	15.06	12.70	18.24	15.06	21.41	18.24	25.40	20.62	28.57	23.01	26.40	22.22	10"x 8"
-	-	15.06	10.97	-	-	21.41	14.27	-	-	28.57	18.24	26.40	21.94	10"x 6"
-	-	15.06	9.52	-	-	21.41	12.70	-	-	28.57	15.87	26.40	19.05	10"x 5"
-	-	15.06	8.56	-	-	21.41	11.12	-	-	28.57	13.49	26.40	17.12	10"x 4"
-	-	15.06	7.62	-	-	-	-	-	-	28.57	11.12	26.40	15.24	10"x 3"
14.30	12.70	17.45	15.06	21.41	18.24	25.40	21.41	28.57	25.40	33.32	28.57	26.40	26.40	12"x 10"
14.30	10.30	17.45	12.70	21.41	15.06	25.40	18.24	28.57	20.62	33.32	23.01	26.40	22.22	12"x 8"
-	-	17.45	10.97	-	-	25.40	14.27	-	-	33.32	18.24	26.40	21.94	12"x 6"
-	-	17.45	9.52	-	-	25.40	12.70	-	-	33.32	15.87	26.40	19.05	12"x 5"
-	-	17.45	8.56	-	-	25.40	11.12	-	-	33.32	13.49	26.40	17.12	12"x 4"
15.10	14.30	19.05	17.45	23.80	21.41	27.76	25.40	31.75	28.57	35.71	33.32	-	-	14"x 12"
15.10	12.70	19.05	15.06	23.80	18.24	27.76	21.41	31.75	25.40	35.71	28.57	-	-	14"x 10"
15.10	10.30	19.05	12.70	23.80	15.06	27.76	18.24	31.75	20.62	35.71	23.01	-	-	14"x 8"
-	-	19.05	10.97	-	-	27.76	14.27	-	-	35.71	18.24	-	-	14"x 6"
16.70	15.10	21.41	19.05	26.19	23.80	30.94	27.76	36.52	31.75	40.46	35.71	-	-	16"x 14"
16.70	14.30	21.41	17.45	26.19	21.41	30.94	25.40	36.52	28.57	40.46	33.32	-	-	16"x 12"
16.70	12.70	21.41	15.06	26.19	18.24	30.94	21.41	36.52	25.40	40.46	28.57	-	-	16"x 10"
16.70	10.30	21.41	12.70	26.19	15.06	30.94	18.24	36.52	20.62	40.46	23.01	-	-	16"x 8"

Concentric and eccentric reducers

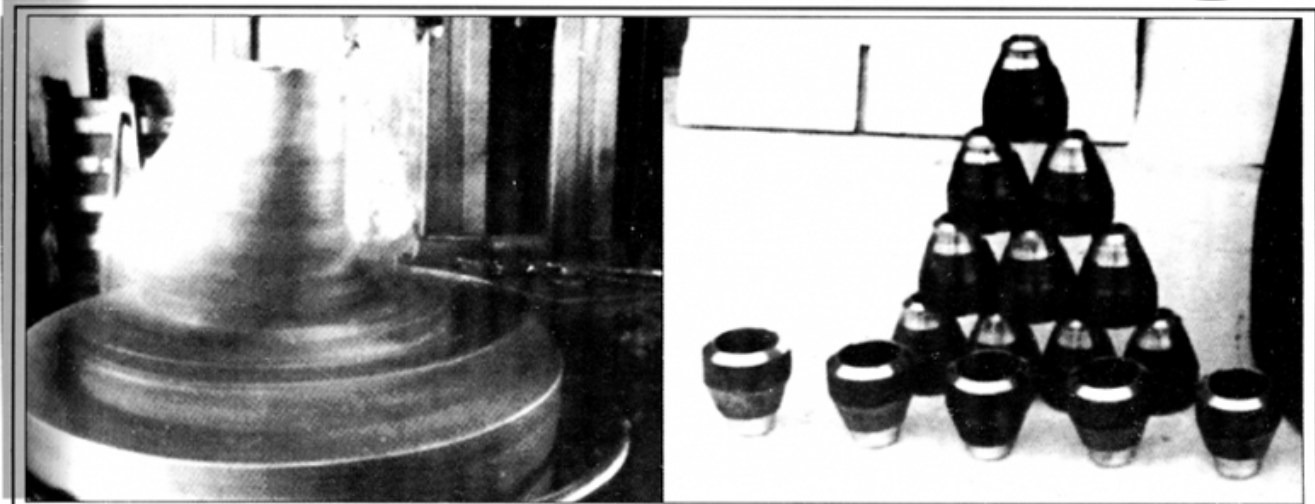


D	d	H	Ødia.	SCH.STD		SCH.XS		SCH.10		SCH.20		SCH.30		SCH.40	
				S	S1	S	S1	S	S1	S	S1	S	S1	S	S1
406.4	168.3	356	16"x 6"	9.52	7.11	12.70	10.97	-	-	-	-	-	-	12.70	7.11
457.2	406.4	381	18"x 16"	9.52	9.52	12.70	12.70	6.35	6.35	7.92	7.92	11.12	9.52	14.27	12.70
457.2	355.6		18"x 14"	9.52	9.52	12.70	12.70	6.35	6.35	7.92	7.92	11.12	9.52	14.27	11.12
457.2	323.8		18"x 12"	9.52	9.52	12.70	12.70	-	-	7.92	6.35	11.12	8.38	14.27	10.31
457.2	273.0		18"x 10"	9.52	9.27	12.70	12.70	-	-	7.92	6.35	11.12	7.80	14.27	9.27
457.2	219.1		18"x 8"	9.52	8.18	12.70	12.70	-	-	7.92	6.35	11.12	7.04	14.27	8.18
508.0	457.2	508	20"x 18"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	12.70	11.12	15.06	14.27
508.0	406.4		20"x 16"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	12.70	9.52	15.06	12.70
508.0	355.6		20"x 14"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	12.70	9.52	15.06	11.12
508.0	323.8		20"x 12"	9.52	9.52	12.70	12.70	-	-	9.52	6.35	12.70	8.38	15.06	10.31
508.0	273.0		20"x 10"	9.52	9.27	12.70	12.70	-	-	9.52	6.35	12.70	7.80	15.06	9.27
508.0	219.1		20"x 8"	9.52	8.18	12.70	12.70	-	-	9.52	6.35	12.70	7.04	15.06	8.18
558.8	508.0	508	22"x 20"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	9.52	12.70	12.70	-	-
558.8	457.2		22"x 18"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	12.70	11.12	-	-
558.8	406.4		22"x 16"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	12.70	9.52	-	-
558.8	355.6		22"x 14"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	12.70	9.52	-	-
609.6	558.8	508	24"x 22"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	9.52	14.25	12.70	-	-
609.6	508.0		24"x 20"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	9.52	14.25	12.70	17.45	15.06
609.6	457.2		24"x 18"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	14.25	11.12	17.45	14.27
609.6	406.4		24"x 16"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	14.25	9.52	17.45	12.70
609.6	355.6		24"x 14"	9.52	9.52	12.70	12.70	6.35	6.35	9.52	7.92	14.25	9.52	17.45	11.12

Remarks

- Weights of the fittings at page 26-27
- Dimensional tolerances at page 28
- Steel requirements at page 29-31.

Concentric and eccentric reducers



SCH.60		SCH.80		SCH.100		SCH.120		SCH.140		SCH.160		SCH.XXS		Ødia.
S	S1	S	S1	S	S1	S	S1	S	S1	S	S1	S	S1	
-	-	21.41	10.07	-	-	30.94	14.27	-	-	40.46	18.24	-	-	16"x 6"
19.05	16.70	23.80	21.41	29.36	26.19	34.92	30.94	39.67	36.52	45.24	40.46	-	-	18"x 16"
19.05	15.10	23.80	19.05	29.36	23.80	34.92	27.76	39.67	31.75	45.24	35.71	-	-	18"x 14"
19.05	14.30	23.80	17.45	29.36	21.41	34.92	25.40	39.67	28.57	45.24	33.32	-	-	18"x 12"
19.05	12.70	23.80	15.06	29.36	18.24	34.92	21.41	39.67	25.40	45.24	28.57	-	-	18"x 10"
19.05	10.30	23.80	12.70	29.36	15.06	34.92	18.24	39.67	20.62	45.24	23.01	-	-	18"x 8"
20.60	19.05	26.19	23.80	32.54	29.36	38.10	34.92	44.45	39.67	49.99	45.24	-	-	20"x 18"
20.60	16.70	26.19	21.41	32.54	26.19	38.10	30.94	44.45	36.52	49.99	40.46	-	-	20"x 16"
20.60	15.10	26.19	19.05	32.54	23.80	38.10	27.76	44.45	31.75	49.99	35.71	-	-	20"x 14"
20.60	14.30	26.19	17.45	32.54	21.41	38.10	25.40	44.45	28.57	49.99	33.32	-	-	20"x 12"
20.60	12.70	26.19	15.06	32.54	18.24	38.10	21.41	44.45	25.40	49.99	28.57	-	-	20"x 10"
20.60	10.30	26.19	12.70	32.54	15.06	38.10	18.24	44.45	20.62	49.99	23.01	-	-	20"x 8"
22.22	20.60	28.58	26.19	34.92	32.54	41.28	38.10	47.63	44.45	53.98	49.99	-	-	22"x 20"
22.22	19.05	28.58	23.80	34.92	29.36	41.28	34.92	47.63	39.67	53.98	45.24	-	-	22"x 18"
22.22	16.70	28.58	21.41	34.92	26.19	41.28	30.94	47.63	36.92	53.98	40.46	-	-	22"x 16"
22.22	15.10	28.58	19.05	34.92	23.80	41.28	27.76	47.63	31.75	53.98	35.71	-	-	22"x 14"
24.60	22.22	30.94	28.58	38.89	34.92	46.02	41.28	52.37	47.63	59.51	53.98	-	-	24"x 22"
24.60	20.60	30.94	26.19	38.89	32.54	46.02	38.10	52.37	44.45	59.51	49.99	-	-	24"x 20"
24.60	19.05	30.94	23.80	38.89	29.36	46.02	34.92	52.37	39.67	59.51	45.24	-	-	24"x 18"
24.60	16.70	30.94	21.41	38.89	26.19	46.02	30.94	52.37	34.52	59.51	40.46	-	-	24"x 16"
24.60	15.10	30.94	19.05	38.89	23.80	46.02	27.76	52.37	31.75	59.51	35.71	-	-	24"x 14"

Remarks

- Weights of the fittings at page 26-27
- Dimensional tolerances at page 28
- Steel requirements at page 29-31.

weights of the fittings



Type	DIAM.	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"	
	SCH mm	21.3	26.7	33.4	42.2	48.3	60.3	73.0	88.9	101.6	114.3	141.3	168.3	219.1	
	STD		0.09	0.10	0.20	0.30	0.40	0.80	1.00	1.40	1.60	2.80	4.00	6.50	
	XS		0.16	0.20	0.30	0.40	0.60	1.00	1.40	2.00	2.20	4.00	6.00	9.90	
	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
	20	-	-	-	-	-	-	-	-	-	-	-	-	5.80	
	30	-	-	-	-	-	-	-	-	-	-	-	-	6.20	
	40		0.09	0.10	0.20	0.30	0.40	0.80	1.00	1.40	1.60	2.80	4.00	6.50	
	60	-	-	-	-	-	-	-	-	-	-	-	-	8.60	
	80		0.16	0.20	0.30	0.40	0.60	1.00	1.40	2.00	2.20	4.00	6.00	9.90	
	100	-	-	-	-	-	-	-	-	-	-	-	-	12.60	
	120	-	-	-	-	-	-	-	-	-	3.00	5.60	8.30	15	
	140	-	-	-	-	-	-	-	-	-	-	-	-	17	
	160			0.25	0.30	0.50	1.10	1.60	2.00	2.80	4.00	7.00	10.50	18	
	XXS			0.35	0.45	0.70	1.30	2.10	2.60	3.70	4.70	8.00	12.30	18	
		STD	0.10	0.16	0.36	0.50	0.70	1.00	1.80	2.70	3.55	4.40	7.00	10	19
		XS	0.16	0.22	0.47	0.70	0.90	1.40	2.20	3.00	4.89	6.40	9.30	15	28.90
10		-	-	-	-	-	-	-	-	-	-	-	-	-	
20		-	-	-	-	-	-	-	-	-	-	-	-	-	
30		-	-	-	-	-	-	-	-	-	-	-	-	-	
40		0.10	0.16	0.36	0.50	0.70	1.00	1.80	2.70	3.55	4.40	7.00	10	19	
60		-	-	-	-	-	-	-	-	-	-	-	-	-	
80		0.16	0.22	0.47	0.70	0.90	1.40	2.20	3.00	4.89	6.40	9.30	15	28.90	
100		-	-	-	-	-	-	-	-	-	-	-	-	-	
120		-	-	-	-	-	-	-	-	-	-	-	-	-	
140		-	-	-	-	-	-	-	-	-	-	-	-	-	
160		0.25	0.35	0.80	1.00	1.50	2.50	4.00	6.00	8.00	10	20	25	52	
XXS		0.30	0.45	1.00	1.20	1.80	3.00	6.00	8.00	11	13	24	30	52	
		STD	0.13	0.20	0.47	0.65	0.91	1.30	2.35	3.50	4.60	5.70	9.10	13	24.70
		XS	0.20	0.30	0.61	0.91	1.17	1.85	2.90	3.90	6.35	8.30	12	19.50	37.60
	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
	20	-	-	-	-	-	-	-	-	-	-	-	-	-	
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	
	40	0.13	0.20	0.47	0.65	0.91	1.30	2.35	3.50	4.60	5.70	9.10	13	24.70	
	60	-	-	-	-	-	-	-	-	-	-	-	-	-	
	80	0.20	0.30	0.61	0.91	1.17	1.85	2.90	3.90	6.35	8.30	12	19.50	37.60	
	100	-	-	-	-	-	-	-	-	-	-	-	-	-	
	120	-	-	-	-	-	-	-	-	-	-	-	-	-	
	140	-	-	-	-	-	-	-	-	-	-	-	-	-	
	160	0.32	0.45	1.04	1.30	1.95	3.25	5.20	7.80	10.40	13	26	32.5	67.60	
	XXS	0.40	0.60	1.30	1.56	2.35	3.90	7.80	10.40	14.30	16.90	31.20	39	37.60	
		STD	0.03	0.06	0.10	0.20	0.25	0.30	0.40	0.60	1.10	1.20	2.10	3.60	5.50
		XS	0.05	0.10	0.15	0.25	0.30	0.35	0.50	0.90	1.70	2.00	3.00	5.00	7.00
10		-	-	-	-	-	-	-	-	-	-	-	-	-	
20		-	-	-	-	-	-	-	-	-	-	-	-	-	
30		-	-	-	-	-	-	-	-	-	-	-	-	-	
40		0.03	0.06	0.10	0.20	0.25	0.30	0.40	0.60	1.10	1.20	2.10	3.60	5.50	
60		-	-	-	-	-	-	-	-	-	-	-	-	-	
80		0.05	0.10	0.15	0.25	0.30	0.35	0.50	0.90	1.70	2.00	3.00	5.00	7.00	
100		-	-	-	-	-	-	-	-	-	-	-	-	-	
120		-	-	-	-	-	-	-	-	-	-	-	-	-	
140		-	-	-	-	-	-	-	-	-	-	-	-	-	
160		0.10	0.10	0.15	0.25	0.30	0.55	0.90	1.40	2.50	3.00	5.50	7.50	18	
XXS		0.15	0.15	0.20	0.30	0.40	0.60	1.00	1.80	2.70	4.00	7.00	9.00	18	

Sản phẩm khác



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