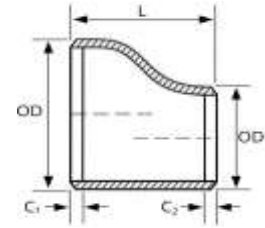


ECCENTRIC REDUCER NAVSEA DWG 810-1385880

Buttweld, Class 200

90/10 Copper Nickel (UNS C70600)

70/30 Copper Nickel (UNS C71500)



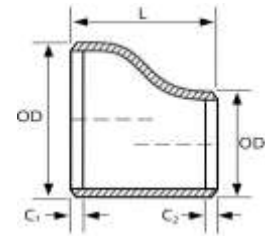
NOMINAL PIPE SIZE			DIMENSIONS					WEIGHT (lbs/ft)	TORK P/N	TORK P/N	
			OD		L	C1 (Min)	C2 (Min)				
3/4	x	1/2	1.05	x	0.84	1.5		0.438	0.09	Inquire	Inquire
1	x	1/2	1.315	x	0.84	2		0.438	0.15	M109931	M110777
1	x	3/4	1.315	x	1.05	2	0.5	0.469	0.15	M109932	M110778
1 1/4	x	3/4	1.66	x	1.05	2	0.563	0.469	0.2	M109933	M110779
1 1/4	x	1	1.66	x	1.315	2	0.563	0.5	0.2	M109934	M110780
1 1/2	x	1/2	1.9	x	0.84	2.5	0.688	0.438	0.3	M109935	M110781
1 1/2	x	3/4	1.9	x	1.05	2 1.2	0.688	0.469	0.3	M109936	M110782
1 1/2	x	1	1.9	x	1.315	2.5	0.688	0.5	0.3	M109937	M110783
1 1/2	x	1 1/4	1.9	x	1.66	2.5	0.688	0.563	0.3	M109938	M110784
2	x	1/2	2.375	x	0.84	3	0.719	0.438	0.7	Inquire	Inquire
2	x	3/4	2.375	x	1.05	3	0.719	0.469	0.7	Inquire	Inquire
2	x	1	2.375	x	1.315	3	0.719	0.5	0.7	M109939	M110785
2	x	1 1/4	2.375	x	1.66	3	0.719	0.563	0.7	M109940	M110786
2	x	1 1/2	2.375	x	1.9	3	0.719	0.688	0.7	M109941	M110787
2 1/2	x	3/4	2.875	x	1.05	3.5	0.875	0.469	0.9	Inquire	Inquire
2 1/2	x	1	2.875	x	1.315	3.5	0.875	0.5	0.9	Inquire	Inquire
2 1/2	x	1 1/4	2.875	x	1.66	3.5	0.875	0.563	0.9	M109942	M110788
2 1/2	x	1 1/2	2.875	x	1.9	3.5	0.875	0.688	0.9	M109943	M110789
2 1/2	x	2	2.875	x	2.375	3.5	0.875	0.719	0.9	M109944	M110790
3	x	1	3.5	x	1.132	3.5	0.906	0.5	1	M109945	M110791
3	x	1 1/4	3.5	x	1.66	3.5	0.906	0.563	1	M109946	M110792
3	x	1 1/2	3.5	x	1.9	3.5	0.906	0.688	1	M109947	M110793
3	x	2	3.5	x	2.375	3.5	0.906	0.719	1	M109948	M110794
3	x	2 1/2	3.5	x	2.875	3.5	0.906	0.875	1	M109949	M110795
3 1/2	x	1	4	x	1.315	4	0.938	0.5	2	Inquire	Inquire
3 1/2	x	1 1/2	4	x	1.9	4	0.938	0.688	2	Inquire	Inquire
3 1/2	x	2	4	x	2.375	4	0.938	0.719	2	Inquire	Inquire
3 1/2	x	2 1/2	4	x	2.875	4	0.938	0.875	2	M109950	M110796
3 1/2	x	3	4	x	3.5	4	0.938	0.906	2	M109951	M110797
4	x	1	4.5	x	1.315	4	0.969	0.5	2	Inquire	Inquire
4	x	1 1/4	4.5	x	1.66	4	0.969	0.563	2	Inquire	Inquire
4	x	1 1/2	4.5	x	1.9	4	0.969	0.688	2	M109952	M110798
4	x	2	4.5	x	2.375	4	0.969	0.719	2	M109953	M110799
4	x	2 1/2	4.5	x	2.875	4	0.969	0.875	2	M109954	M110800
4	x	3	4.5	x	3.5	4	0.969	0.906	2	M109955	M110801
4	x	3 1/2	4.5	x	4	4	0.969	0.938	2	M109956	M110802
5	x	2	5.562	x	2.375	5	1.094	0.719	4	Inquire	Inquire
5	x	2 1/2	5.562	x	2.875	5	1.094	0.875	4	Inquire	Inquire
5	x	3	5.562	x	3.5	5	1.094	0.906	4	M109957	M110803
5	x	3 1/2	5.562	x	4	5	1.094	0.938	4	M109958	M110804
5	x	4	5.562	x	4.5	5	1.094	0.969	4	M109959	M110805
6	x	2	6.625	x	2.375	5.5	1.172	0.719	5	M109960	M110806
6	x	2 1/2	6.625	x	2.875	5.5	1.172	0.875	5	M109961	M110807
6	x	3	6.625	x	3.5	5.5	1.172	0.906	4	M109962	M110808
6	x	3 1/2	6.625	x	4	5.5	1.172	0.938	4	M109963	M110809
6	x	4	6.625	x	4.5	5.5	1.172	0.969	5	M109964	M110810
6	x	5	6.625	x	5.562	5.5	1.172	1.094	5	M109965	M110811
8	x	3	8.625	x	3.5	6	1.375	0.906	6	Inquire	Inquire
8	x	3 1/2	8.625	x	4	6	1.375	0.938	6.5	Inquire	Inquire
8	x	4	8.625	x	4.5	6	1.375	0.969	7	M109966	M110812
8	x	5	8.625	x	5.562	6	1.375	1.094	7	M109967	M110813
8	x	6	8.625	x	6.625	6	1.375	1.172	8	M109968	M110814
10	x	4	10.75	x	4.5	7	1.563	0.969	14	M109969	M110815
10	x	5	10.75	x	5.562	7	1.563	1.094	15	M109970	M110816
10	x	6	10.75	x	6.625	7	1.563	1.172	16	M109971	M110817
10	x	8	10.75	x	8.625	7	1.563	1.375	18	M109972	M110818

ECCENTRIC REDUCER NAVSEA DWG 810-1385880

Buttweld, Class 200

90/10 Copper Nickel (UNS C70600)

70/30 Copper Nickel (UNS C71500)



NOMINAL PIPE SIZE		DIMENSIONS				WEIGHT (lbs/ft)	TORK P/N	TORK P/N	
		OD		L	C1 (Min)				C2 (Min)
12	x 5	12.75	x 5.562	8	1.688	1.094	21	#REF!	#REF!
12	x 6	12.75	x 6.625	8	1.688	1.172	22	M109974	M110820
12	x 8	12.75	x 8.625	8	1.688	1.375	23.5	M109975	M110821
12	x 10	12.75	x 10.75	8	1.688	1.563	27	M109976	M110822
14	x 6	14	x 6.625	13	0.5	1.172	38	M109977	M110823
14	x 8	14	x 8.625	13	0.5	1.375	41	M109978	M110824
14	x 10	14	x 10.75	13	0.5	1.563	43.5	M109979	M110825
14	x 12	14	x 12.75	13	0.5	1.688	48.5	M109980	M110826
16	x 8	16	x 8.625	14	0.5	1.375	43.5	Inquire	Inquire
16	x 10	16	x 10.75	14	0.5	1.563	47	M109981	M110827
16	x 12	16	x 12.75	14	0.5	1.688	50.5	M109982	M110828
16	x 14	16	x 14	14	0.5	0.5	53	M109983	M110829
18	x 10	18	x 10.75	15	0.5	1.563	54.5	M109984	M110830
18	x 12	18	x 12.75	15	0.5	1.688	58	M109985	M110831
18	x 14	18	x 14	15	0.5	0.5	60.5	M109986	M110832
18	x 16	18	x 16	15	0.5	0.5	64.5	M109987	M110833