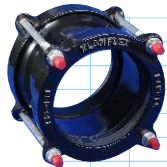


# THE KLAMFLEX RANGE



RANGER COUPLING



RANGER COUPLING



RANGER FLANGE ADAPTOR



STEPPED COUPLING

STAINLESS STEEL SLEEVE



RANGER STEPPED COUPLING



GRIPPER COUPLINGS



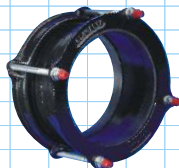
GRIPPER FLANGE ADAPTORS



DISMANTLING JOINTS



DEDICATED FLANGE ADAPTORS



DEDICATED COUPLINGS



RANGER END CAPS



SHOULDERED COUPLINGS



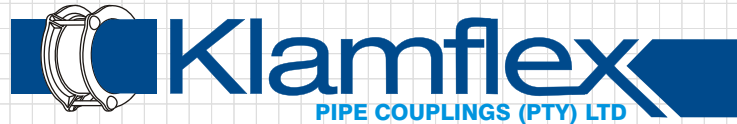
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REPAIR CLAMPS



SOCKET STEEL FITTINGS



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## PIPE OD CHART



**COUPLE WITH CONFIDENCE**

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# PIPE OUTSIDE DIAMETERS OF COMMON PIPE MATERIALS

ALL DIMENSIONS ARE IN MILLIMETRES (mm)

PIPE NOMINAL BORE	mm	15	20	25	32	40	50	65	80	100	125	150	175	200	225	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1200	1300	1400	1500	1600	1800	2000			
	inches	0.5	0.75	1	1.25	1.5	2	2.5	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40	42	44	48	52	56		64	72	80			
STEEL BS 1387		21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	165.1																														
STEEL SABS 62 MEDIUM	max	21.7	27.2	34.2	42.9	48.8	60.8	76.6	89.5	114.9	140.6	166.1																														
STEEL SABS 719														219.1		273.1	323.9	355.6	406.4	457	508	559	610	660	711	762	813	864	914	1016	1067	1118	1219	1321	1422		1626	1829	2032			
STEEL ISO 4200 SER 1		21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	168.3		219.1		273.0	323.9	355.6	406.4	457	508		610		711		813		914	1016	1067	1118	1219		1422		1626	1829	2032			
STEEL API 5 L		21.4	26.7	33.4	42.4	48.3	60.3	73.0	88.9	114.3	141.3	168.3		219.1		273.1	323.9	355.6	406.4	457.2	508	559	609.6	660.4	711.2	762	812.8	863.6	914.4	1016	1066.8	1117.6	1219.2	1320.8	1422.4		1625.6	1828.8	2032			
STEEL BS 3600/3601		21.4	26.8	33.6	42.3	48.3	60.4	76.1	88.9	114.3	139.7	168.3	193.7	219.1	244.5	273.0	323.9	355.6	406.4	457.0	508	559	610	660	711	762	813	864	914	1016		1219		1422		1626	1829	2032				
DUCTILE IRON ISO 2531 : BS 4772									98.0	118.0	144.0	170.0		222.0		274.0	326.0	378.0	429.0	480.0	532		635		738		842		945	1048		1255		1462		1668	1875	2080				
GRP (O.D. Can Vary by Manufacturer)	max									116		168		220.5		272.1	327	379	413	464	515		617		719		821		924	1025		1229		1433		1637	1841	2045				
ASBESTOS CEMENT C.O.D. (South Africa)							69		96	122	150	177		232		286	345	426		507	587		667																			
ASBESTOS CEMENT C.I.D. (South Africa)	CL6													168		274	328	382	436	488	543		651		760		868		976	1084												
ASBESTOS CEMENT C.I.D. (South Africa)	CL12												168	222		274	328	382	436	488	543		651		760		868		976	1084												
ASBESTOS CEMENT C.I.D. (South Africa)	CL18												174	229		284	340	396	450	506	560		672		784		896		1008	1120												
ASBESTOS CEMENT C.I.D. (South Africa)	CL24												180	239		295	353	412	468	524	583		699		816		932		1048	1165												
ASBESTOS CEMENT C.I.D. (South Africa)	CL30												188	250		304	365	426	484	545	606		727																			
ASBESTOS CEMENT C.I.D. (South Africa)	CL36												196	262		318	378	440	503	566	629		755																			
ASBESTOS CEMENT METRIC BS 486	CL15												177	232	259	286	334	392	448	498	568		654		761		808		927	970												
ASBESTOS CEMENT METRIC BS 486	CL18						86	106	126		178		234	288	344	402	456	508	560		668		780		888		1000	1110		1214	1320	1430	1540	1650								
ASBESTOS CEMENT METRIC BS 486	CL20												232	259	286	345	405	463	515	586		672		780		830		952	996													
ASBESTOS CEMENT METRIC BS 486	CL25						69		96	122		177		240	268	295	356	419	478	532	605	598	691	703	801	807	852	912	977	1024	1121	1172	1277									
IMP CAST IRON ASBESTOS CEMENT	CL AB					55.9	69.1	82.3	95.5	121.9	149.9	177.3	204.7	232.2	259.1	286	333.8	378	439	492	545	613.7	650	720.3	755	826	860		964	1068	1143		1300.5									
IMP CAST IRON ASBESTOS CEMENT	CL CD					55.9	69.1	82.3	95.5	121.9	149.9	177.3	204.7	232.2	259.1	286	345.4	399.3	453.1	506.9	560.3		667		773.2		879.3		984.5	1090.2												

UPVC, MPVC, PE, HDP

THESE PIPES ARE QUOTED USING THE SAME DIMENSION FOR NOMINAL BORE AS PIPE OUTSIDE DIAMETER

	16	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000	1200	1400	1600	1800	2000
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TO ASSIST US IN MAKING THE CORRECT PRODUCT SELECTION FOR YOU PLEASE PROVIDE AS MUCH OF THE FOLLOWING INFORMATION AS POSSIBLE

- (I) PIPE OUTSIDE DIAMETER OR PIPE MATERIAL AND CLASS
- (II) WORKING PRESSURE
- (III) MATCHING FLANGE DRILLING FOR FLANGE ADAPTORS AND DISMANTLING JOINTS
- (IV) PRODUCT IN SYSTEM (WATER, SEWAGE, CHEMICALS, GAS, AIR, OIL ETC)
- (V) FLUID / GAS TEMPERATURE IF AVAILABLE