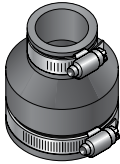


NDS FLEXIBLE COUPLING SIZING CHART

Drain and Trap Connectors

NDS Drain & Trap Connectors are ideal for new installation, alterations and repairs. These connectors offer a quick, low-cost alternative to gluing or soldering and eliminate the need for special tools or threading. Simply place the ends over the pipes and tighten the stainless steel clamps.



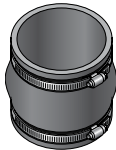
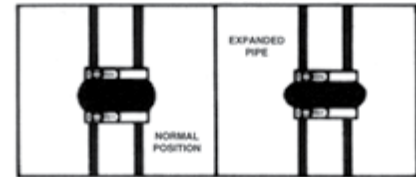
Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class
57-125	1-1/4" or 1-1/2" Drain Piping x 1-1/4" or 1-1/2" Drain Piping	Black	180	0.17	45C0
57-125/125	1-1/4" DWV or 1-1/2" Copper x 1-1/4" or 1-1/2" Drain Piping	Black	140	0.22	45C0
57-150/125	1-1/2" DWV or 1-1/2" Copper x 1-1/4" or 1-1/2" Drain Piping	Black	120	0.25	45C0

Large Diameter Couplings

Large Diameter Couplings are available through NDS. The large couplings are engineered for use with all the common pipe material: clay, concrete, cast iron, plastic, fiberglass, ductile iron and asbestos/cement. When ordering please remember to provide the exact O.D. size in inches for both pipes. A difference of 6" between the two pipe O.D. sizes cannot be made. Please call for details 1-800-726-1994.

Expansion Joints

NDS Flexible Expansion Joints have a one-piece design which allows for the thermal contraction and expansion of drain, waste and vent. These couplings are maintenance free and rustproof. They are secured by series 300 stainless steel clamps. NDS expansion joints are made of tough elastomeric polyvinyl chloride (PVC). They are strong and resilient. Available in 2" and 3" sizes.



Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class
XJ3	3" Expansion Joints	Black	24	0.67	45C0

Clamps for Flexible Couplings

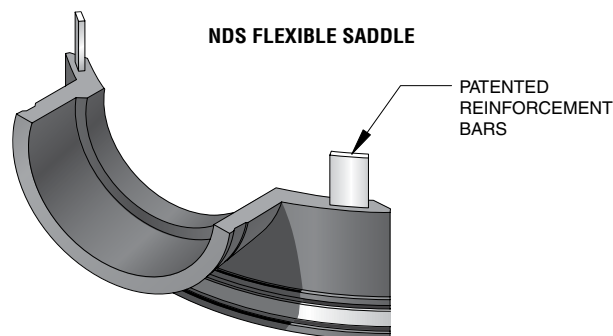
CLAMP MIN. & MAX. DIAMETERS & OVERALL LENGTH							
Part No.	Max. Dia.	Min. Dia.	Length	Color	Weight	Pkg. Qty.	Product Class
33H020 CLAMP	1.75"	.75"	6-1/2"	Stainless Steel	0.05	500	45C0
33H032 CLAMP	2.50"	1.00"	8-3/4"	Stainless Steel	0.05	400	45C0
33H040 CLAMP	3.00"	2.06"	10-3/8"	Stainless Steel	0.05	400	45C0
33H056 CLAMP	4.00"	1.00"	13-1/2"	Stainless Steel	0.10	300	45C0
33H080 CLAMP	5.50"	2.57"	18-1/4"	Stainless Steel	0.10	200	45C0
33H088 CLAMP	6.00"	2.00"	19-3/4"	Stainless Steel	0.10	200	45C0
33H104 CLAMP	7.00"	2.00"	23"	Stainless Steel	0.10	100	45C0
33H116 CLAMP	7.75"	1.75"	25"	Stainless Steel	0.10	100	45C0
33H132 CLAMP	8.75"	6.75"	28-3/4"	Stainless Steel	0.15	100	45C0
33H152 CLAMP	10.00"	4.00"	32-3/8"	Stainless Steel	0.15	100	45C0
33H164 CLAMP	10.75"	1.75"	34-5/8"	Stainless Steel	0.15	100	45C0
33H188 CLAMP	12.25"	6.25"	39-1/2"	Stainless Steel	0.15	100	45C0
33H212 CLAMP	13.75"	11.75"	44"	Stainless Steel	0.20	100	45C0
33H250 CLAMP	12.62"	8.75"	40-1/2"	Stainless Steel	0.25	100	45C0
33S248 CLAMP	16"	3.625"	51-1/2"	Stainless Steel	0.25	100	45FS

NDS FLEXIBLE SADDLES

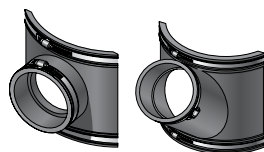
For superior durability and flexibility, saddle up. A breakthrough in saddle design, the patented NDS Flexible Saddle demonstrates superior flexibility in more than one way. The saddle's elastomeric construction allows a single description to securely fit 6" sewer main pipe diameters and up. The saddle's flexibility eliminates the need for a large inventory of rigid PVC saddles of various descriptions.

NDS Flexible Saddle offers the following product benefits:

- Two configurations, a "Tee" and a "Wye" are available in 4" or 6" inlet descriptions
- Elastomeric construction provides maximum strength and flexibility
- Saddle design will accommodate polyethylene pipe used in slip lining sewer systems
- Inlet range from SCH-40 down to SDR-35 includes standard weight soil pipe
- Stainless steel series 300 clamps ensure tight seal
- Steel-reinforced edges prevent distortion when torque is applied to clamps
- Durable design and low unit price make the Flexible Saddle economical and environmentally wise
- Available saddle blanket, attached to pipe prior to saddle installation, will mend imperfections and cracks on clay pipe taps



NDS Flexible Saddles



Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class
4T/C	4" Tees with Clamps	Black	12	3.16	45FS
4T/WOC	4" Tees without Clamps	Black	12	2.66	45FS
4Y/C	4" Wyes with Clamps	Black	6	7.66	45FS
4Y/WOC	4" Wyes without Clamps	Black	6	7.12	45FS
6T/C	6" Tees with Clamps	Black	6	6.50	45FS
6Y/WOC	6" Flex Wye without Clamps	Black	4	11.75	45FS

Saddle Clamps

Part No.	Description	Color	Pkg. Qty.	Wt. Ea. (lbs.)	Product Class
33S248 CLAMP	Clamp for Flexible Coupling	Stainless Steel	100	0.25	45FS

ASTM Material Specification

Test	NDS Material	ASTM Test Material
Chemical Resistance 1N sulfuric acid 1N hydrochloric acid	No weight loss No weight loss	D543
Tensile Strength Elongation	1000 psi (7Mpa) min. 200% min. elongation @ break	D412 Die "C"
Duration Hardness	Shore durometer 50 min. to 75 max.	D2240
Compression Set	30% max. of original deflection	D395, Method B Type 2
Water Absorption	5% max.	D471, immersed 7 days @158 Method A
Ozone Resistance	No visible cracking under 7x magnification	D1149, D518 Method A
Oven Aging	75% min. of original tensile strength 65% min. of original elongation	D573 (158°F for 70 hours)
Cold Brittleness	Cold brittleness was determined to be -43°C	D476
Tear Strength	125 lbs./in.	D624 Die "C"