



Material information:

- 1) HYMAX GRIP Elbow 45° meets and exceeds standards:  
AWWA C219, NSF-61 and NSF-372.
- 2) Center ring - Ductile iron casting ASTM A536 grade 65-45-12.
- 3) End Rings - Couple of parts( A-part and B-part).  
made of Ductile iron casting ASTM A536 grade 60-40-18.
- 4) Gaskets - EPDM compounded for water  
and sewerage, meets international  
standards for contact with drinking water.  
Working Temperature:  
for continuous operations: -20°F up to +180°F.  
for short time operations: up to +215°F.
- 5) Bolts, Nuts and Washers - AISI 304 stainless steel.  
Rolled thread and anti galling coating.
- 6) Spherical spacers - AISI 304 stainless steel.
- 7) Bridge - AISI 304 stainless steel.
- 8) Coating - 100% Fusion bonded epoxy  
for enhanced corrosion protection.  
Average thickness 14 Mil.  
Working Temperature:  
above ground applications: up to +125°F.  
under ground applications: up to +150°F.

Product performance	
Dynamic deflection per side.	up to 4°
G - Min. pipe Insertion	3.6"
G - Max. pipe Insertion	see table
Maximum out of roundness	0.16 "
MAX ΔT for HDPE pipes SDR9	see table*
Working Pressure (for HDPE pipes see table*)	232 PSI
Rated Pressure (for HDPE pipes see table*)	350 PSI
Vacuum Test	12 PSI

Krausz Part Number	ND (inch)	Overall Range (inch)	L (inch)	L1 (inch)	L2 (inch)	G max (inch)	Bolts Qty.-Size d (inch)	Torque (ft-lbs)	Approx Weight (Lb)
893-56-04111-16	4	4.40-5.10	17.2	9.8	12.1	4.7	2 - 5/8	90	39.9
893-56-06165-16	6	6.50-7.20	19.7	11.9	14.3	4.7	2 - 5/8	110	53
893-56-08216-16	8	8.50-9.40	22.4	14.1	16.9	4.9	2 - 3/4	200	89.4
893-56-10270-16	10	10.65-11.55	25.2	16.2	19.3	4.9	2 - 3/4	200	121.1
893-56-12322-16	12	12.68-13.39	27.5	17.4	21.1	4.9	2 - 3/4	200	139.1

*HDPE Pipe IPS+DIS			
ND (inch)	Working Pressure (PSI)	Rated Pressure (PSI)	max ΔT for SDR9 (°F)
4	232	350	85
6	232	350	85
8	193	290	50
10	163	245	50
12	155	232	35

Material:		Weight:		Part Name:		Scale
See material information		See Table		HYMAX GRIP Elbow 45° 4"-12"		
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: N7 GENERAL TOLERANCES: LINEAR :   0 - 50   - ±0.2 50 -100   - ±0.5 100 -500   - ±1.0  ANGULAR :   - ±0.5° HOLES : 0 -10   - +0.2/-0.05 HOLES : 10+   - GEN.TOL. HOLES PLACES : - ±0.05		Date	Name	Catalog No.	DO NOT SCALE DRAWING	
	Design	12.10.2014	Ryvzh	SD893-56-01		
	Check	20.04.2015	Galina E.	Drawing No.  SD893-56-01	Sheet  1 of 1	
	Appr.	20.04.2015	Tzah Gr.			
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