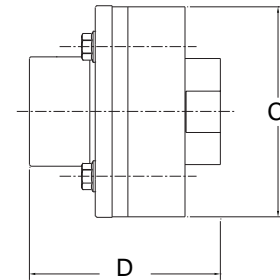


Straight



90 Degree "WHJ" Swivel Joint Information

Model No.	Hannay P/N	Thread at Reel End	Inlet Style	Dimensions (Inches)			
				A	B	C	D
WHJ-1590 (Buna)	9930.4210	1-1/2" FNPT	1-1/2" FNPT & 2" Groove	4.81	3.38	4.63	6.00
WHJ-1590V (Viton)	9930.4220	1-1/2" FNPT	1-1/2" FNPT & 2" Groove	4.81	3.38	4.63	6.00
WHJ-1590-AL (Buna)	9930.4312	1-1/2" FNPT	1-1/2" FNPT & 2" Groove	4.81	3.38	4.63	6.00
WHJ-290V (Viton)	9931.4210	2" FNPT	1-1/2" FNPT & 2" Groove	5.25	3.38	4.63	6.44
WHJ-2290 (Buna)	9931.4521	2" FNPT	2" FNPT Only	5.25	3.25	4.63	6.69

STRAIGHT "WHJ" Swivel Joint Information

Model No.	Hannay P/N	Thread at Reel End	Inlet Style	Dimensions (Inches)			
				A	B	C	D
WHJ-15180 (Buna)	9930.4610	1-1/2" FNPT	1-1/2" FNPT & 2" Groove	---	---	4.63	4.19
WHJ-15180V (Viton)	9930.4611	1-1/2" FNPT	1-1/2" FNPT & 2" Groove	---	---	4.63	4.19
WHJ-15180-AL (Buna)	9930.4612	1-1/2" FNPT	1-1/2" FNPT & 2" Groove	---	---	4.63	4.19
WHJ-2180 (Buna)	9931.4721	2" FNPT	1-1/2" FNPT & 2" Groove	---	---	4.63	4.19
WHJ-22180 (Buna)	9931.4021	2" FNPT	2" FNPT Only	---	---	4.63	4.19