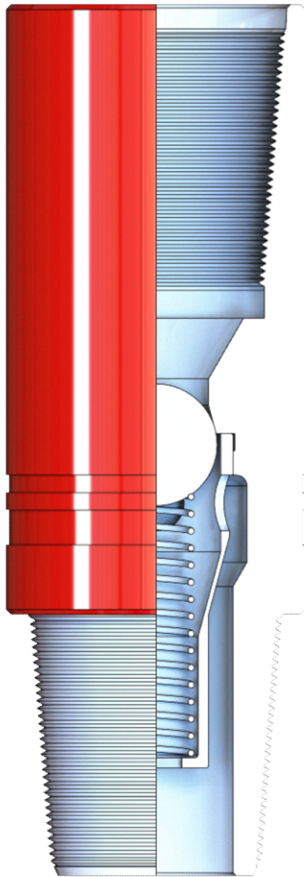


**KOB-R1/KOSHZ-R1 check valve**

KOB-R1/KOSHZ-R1 check valve is designed for automatic overlap and pressurization of the drilling instrument tube channel in drilling oil and gas wells, and in maintenance and emergency works.

The valve opens under the fluid pressure impact in direct feed through the pipe string - the ball moves down, in absence of circulation the valve closes under the spring impact, the valve closes in case of reverse fluid feed, the stream cuts off.

Technical characteristics:



Name	KOSHZ-65R1	KOSHZ-73R1	KOSHZ-76R1	KOSHZ-86R1	KOSHZ-88R1
Equivalent		KOB-86R1	KOB-95R1	KOB-108R1	KOB-108R1
Working pressure, MPa (atm)	35±105	35±105	35±105	35±105	35±105
Cargo capacity kN (tf)	400 (40)	500 (50)	900 (90)	1000 (100)	1200 (120)
Weigh, kg	4	5	7	13	15
Length, mm	220	250	275	310	325
External diameter, mm	78	86	95	108	108
Nominal drift diameter, mm	22	30	38	39	32
Coupling thread, GOST 28487	3-65	3-73	3-76	3-86	3-88
Thread profile form, GOST 28487	IV	IV	I	IV	I
Item material:	steel 40X GOST 4543-71, heat treated.				
Operating environment temperature 0C:	(-40) – (+100)				
Handling medium:	drill and grouting slurry, oil, gas				



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Name	KOSHZ-102R1	KOSHZ-108R1	KOSHZ-117R1	KOSHZ-121R1
Equivalent	KOB-120R1	KOB-133R1	KOB-140R1	KOB-146R1
Working pressure, MPa (atm)	35±105	35±105	35±105	35±105
Cargo capacity kN (tf)	1400 (140)	1600 (160)	1800 (180)	2100 (210)
Weigh, kg	16	17	18	20
Length, mm	380	395	400	400
External diameter, mm	120	133	140	146
Nominal drift diameter, mm	52	52	52	58
Coupling thread, GOST 28487	3-102	3-108	3-117	3-121
Thread profile form, GOST 28487	IV	IV	I	I
Item material:	steel 40X GOST 4543-71, heat treated.			
Operating environment temperature ⁰ C:	(-40) – (+100)			
Handling medium:	drill and grouting slurry, oil, gas			

Name	KOSHZ-122R1	KOSHZ-133R1	KOSHZ-147R1	KOSHZ-152R1
Equivalent	KOB-146R1	KOB-155R1	KOB-178R1	KOB-197R1
Working pressure, MPa (atm)	35±105	35±105	35±105	35±105
Cargo capacity kN (tf)	2200 (220)	2500 (250)	2600 (260)	4000 (400)
Weigh, kg	20	33	52	60
Length, mm	410	415	465	500
External diameter, mm	146	155	178	197
Nominal drift diameter, mm	58	64	73	75
Coupling thread, GOST 28487	3-122	3-133	3-147	3-152
Thread profile form, GOST 28487	IV	IV	III	III
Item material:	steel 40X GOST 4543-71, heat treated.			
Operating environment temperature ⁰ C:	(-40) – (+100)			
Handling medium:	drill and grouting slurry, oil, gas			