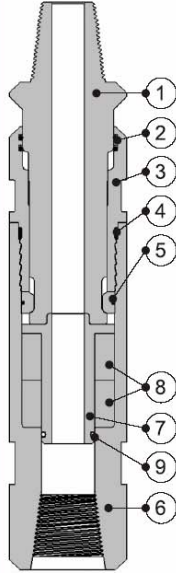




**Bulroc HD Series
SHOCK ABSORBERS**

Bulroc HD Series Shock Absorbers

TECHNICAL SPECIFICATIONS



HDSA3		
REF	Description	Part No.
1	Top Connector *	SA03HD0801M
2	Seal 'O' Ring	SA03HD03
3	Splined Nut	SA03HD01
4	Splined Nut Seal	IPCS01
5	Retainer Ring	SA03HD11
6	Bottom Connector **	SA03HD0901F
7	Thrust Guide	SA03HD12
8	Buffers (2)	SA03HD05
9	Thrust Guide 'O' Ring	SA03HD12A
	Complete Shock Absorber	SA03HD01MF

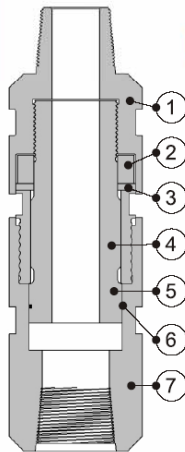
HDSA4		
REF	Description	Part No.
1	Top Connector *	SA04HD0801M
2	Seal 'O' Ring	SA04HD03
3	Splined Nut	SA04HD01
4	Splined Nut Seal	IPCS01
5	Retainer Ring	SA04HD11
6	Bottom Connector **	SA04HD0901F
7	Thrust Guide	SA04HD12
8	Buffers (2)	SA04HD05
9	Thrust Guide 'O' Ring	SA04HD12A
	Complete Shock Absorber	SA04HD01MF

HDSA5		
REF	Description	Part No.
1	Top Connector *	SA05HD0803M
2	Seal 'O' Ring	SA05HD03
3	Splined Nut	SA05HD01
4	Splined Nut Seal	IPCS03
5	Retainer Ring	SA05HD11
6	Bottom Connector **	SA05HD0903F
7	Thrust Guide	SA05HD12
8	Buffers (2)	SA05HD05
9	Thrust Guide 'O' Ring	SA05HD12A
10	Retainer Ring 'O' Ring	IPBR0R03
	Complete Shock Absorber	SA05HD03MF

HDSA6		
REF	Description	Part No.
1	Top Connector *	SA06HD0803M
2	Seal 'O' Rings (2)	SA06HD03
3	Splined Nut	SA06HD01
4	Splined Nut Seal	IPCS04
5	Retainer Ring	SA06HD11
6	Bottom Connector **	SA06HD0901F
7	Thrust Guide	SA06HD12
8	Buffers (2)	SA06HD05
9	Thrust Guide 'O' Ring	SA06HD12A
10	Retainer Ring 'O' Ring	SA06HD11A
	Complete Shock Absorber	SA06HD03MF

NB, * Top Connector on 3 & 4 = 2 1/8" Reg, Pin
 ** Bottom Connector on 3 & 4 = 2 1/8" Reg, Box

NB, * Top Connector on 5 & 6 = 3 1/2" Reg, Pin
 ** Bottom Connector on 5 & 6 = 3 1/2" Reg, Box



HDSA8		
REF	Description	Part No.
1	Top Connector *	SA08ST0840M
2	Buffer	SA08ST05
3	Thrust washer	SA08ST04
4	Nut	SA08ST01
5	Shaft	SA08ST02
6	Shaft 'O' Ring	SA08ST03
7	Bottom Connector **	SA08ST0940F
	Complete Shock Absorber	SA08ST40MF

HDSA10		
REF	Description	Part No.
1	Top Connector *	SA10ST0880M
2	Buffer	SA10ST05
3	Thrust Washer	SA10ST04
4	Nut	SA10ST01
5	Shaft	SA10ST02
6	Shaft 'O' Ring	SA10ST03
7	Bottom Connector **	SA10ST0980F
	Complete Shock Absorber	SA10ST080MF

NB, * Top Connector on 8 = 4 1/2" Reg, Pin
 ** Bottom Connector on 8 = 4 1/2" Reg, Box

NB, * Top Connector on 10 = 6 1/8" Reg, Pin
 ** Bottom Connector on 10 = 6 1/8" Reg, Box

	HDSA3	HDSA4	HDSA5	HDSA6	HDSA8	HDSA10
Effective Length	457mm	483mm	514mm	578mm	585mm	712mm
Outside Dia	79.4mm	95mm	115mm	140mm	178mm	254mm
Nett Weight	11.3kg	19.1kg	25.8kg	52.8kg	92.0kg	216kg

All the above Shock Absorbers are shown with standard top and bottom connecting threads but other thread combinations are available on request