SHOCK ABSORBER

One-Way Shock Absorber (Bumper)

One-way shock absorber is one kind of drilling tool that effect shock absorption by depending on hydraulic oil under external force through elastic deformation and damping, also called as shock bumper.

With some features of simple construction, easy and reliable operation, One-way shock absorber can fully overcome the impact and shocking load from drill strings during drilling operation. Taking use of the shock absorber, it can raise the service life for drill bit and drill tool, speed up drilling, get rid of drilling jumping, protect surface equipments and drilling tools.

Technical Specifications of One-way Shock Absorber

Model	O.D. (mm)	I.D. (mm)	Max. Stroke (mm)	Ambient Temp. (℃)	Max. Bit Weight (KN)	Tensile Load-KN	Pull-down Overall Length(mm)	Thread Conn.
PPGL-YJ121C	121	38	121	-40~150	265	1,000	3,950	NC38
PPGL-YJ160C	160	47	120	-40~150	343	1,500	3,980	NC46
PPGL-YJ178C	178	57	120	-40~150	392	1,500	3,800	NC50
PPGL-YJ203C	203	64	150	-40~150	490	2,000	4,100	6-5/8 REG
PPGL-YJ229C	229	70	150	-40~150	535	2,000	3,820	7-5/8 REG

Double-Way Shock Absorber (Bumper)

Double way shock absorber (also called as double way shock bumper) is shock absorbing tool used to simultaneously slow down or eliminate the vertically or horizontally shock from drill string. It can reduce the shocking damage to drill bit, drilling tool and surface drilling tool so as to raise drilling speed and reduce drilling cost.

Technical Specifications of Double-way Shock Absorber

Model	O.D. (mm)	I.D. (mm)	Max. Stroke (mm)	Ambient Temp. (℃)	Max. Torque (KN.m)	Max. Bit Weight (KN)	Tensile Load (KN)	Pull-down Overall Length	Thread Conn.
PPGL-SJ121B	121	38	120	-40~150	10	200	1,000	5,300	3-1/2 REG
PPGL-SJ160B	160	45	120	-40~150	15	340	1,500	5,252	NC46
PPGL-SJ178B	178	57	120	-40~150	15	400	1,500	5,350	NC50
PPGL-SJ203B	203	64	120	-40~150	20	480	1,960	5,853	6-5/8 REG
PPGL-SJ229B	229	71	120	-40~150	20	540	1,960	5,900	7-5/8 REG