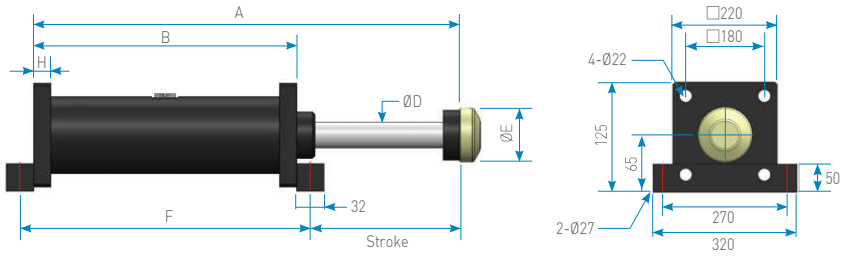
IBAW180 Series

Best Engineered
For Energy Absorption
Technology

Engineering Data

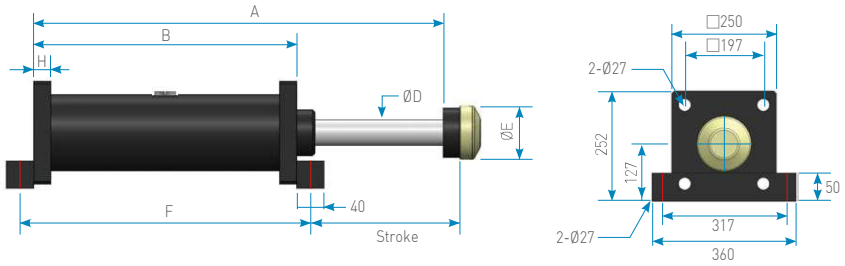
Model	Stroke (mm)	Max.Energy / Cycle(Nm)	Max.Energy / Hour (Nm / h)	Dimension [unit:mm]							
				A	B	C	D	E	F	G	H
IBAW180 - 50	50	13	338	440	340	180	55	98	390	75	40
- 100	100	27	338	540	390	180	55	98	440	125	40
- 150	150	40	338	640	440	180	55	98	490	175	40
- 200	200	54	338	740	490	180	55	98	540	225	40
- 250	250	67	338	840	540	180	55	98	590	275	40
- 300	300	81	338	940	590	180	55	98	640	325	40



IBAW200 Series

Engineering Data

Model	Stroke (mm)	Max.Energy / Cycle(Nm)	Max.Energy / Hour (nm / h)	Dimension [unit:mm]							
				A	B	C	D	E	F	G	H
IBAW200 - 50	50	15	376	450	350	200	65	98	400	75	40
- 100	100	30	376	550	400	200	65	98	450	125	40
- 150	150	45	376	650	450	200	65	98	500	175	40
- 200	200	60	376	750	500	200	65	98	550	225	40
- 250	250	75	376	850	550	200	65	98	600	275	40
- 300	300	90	376	950	600	200	65	98	650	325	40



IBSW Series Stacker Crane Buffers

Izmac Buffer Self compensating auto Warehouse stackercrane

DESCRIPTION

IBSW model max energy capacity is upto 930kNm, and it's longest stroke is 1,200mm and it is mainly applied for automatic logistic warehouse system(AS/RS). Engineered to maintain rather Low Peak figures & Low Recoil Force figures. Therefore it can be operated by lowest rebounding force and decelerate softly in emergency stop conditions. Basically IBSW has similar operation way with ISAA series.

FEATURES

1 Custom orifice
2 Piston rod : Hardened, hard chrome plated
3 Cylinder : Zinc plated
4 Operation temperature : -10 ~ 80°C • Special : -40 ~ 120°C
5 Fullfilled international standards : OSHA, AISE,AIST, CMAA, DIN, FEM etc.
6 Option : Urethane cap, Safety cable, Mounting plates, Adjustment dial position

APPLICATION

Automatic warehouse system(AS/RS), Theme park, Stacker crane, Automobile assembly line, Overhead crane

IBSW SERIES ORDERING INFORMATION

IBSW - 90 - 250 - FM - B

B : Bellows
SC : Safety cable

FM : Foot Mount
FS : Front Flange Mount
RS : Rear Flange Mount

Stroke(mm)

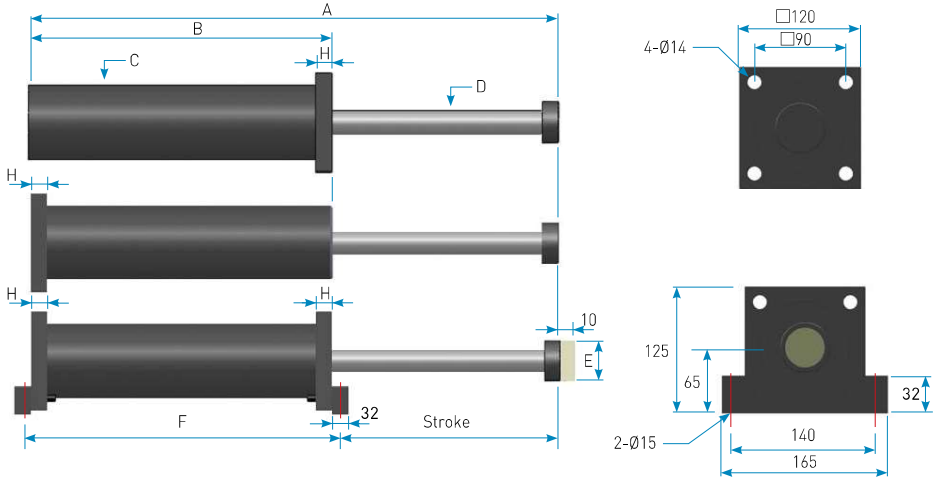
Body Thread Size

IB : Izmac Buffer
S : Self Compensating
W : Warehouse stacker crane

IBSW90 Series

Engineering Data & Dimensions

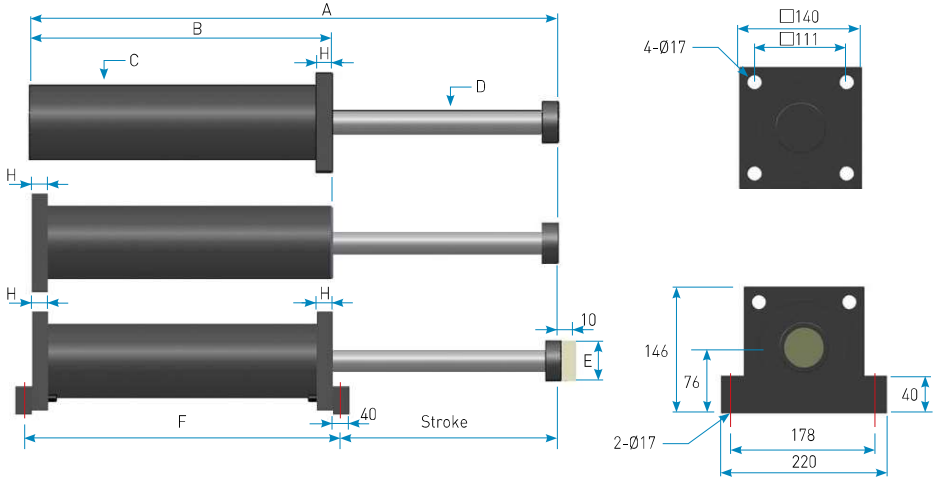
Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/hr) E_TC	Max.Buffer Force (kN) F_S	Dimension [unit:mm]							
					A	B	C	D	E	F	G	H
IBSW90 - 50	50	4	190	75	310	208	90	30	50	240	86	20
- 100	100	7	390	75	410	258	90	30	50	290	136	20
- 150	150	10	580	75	510	308	90	30	50	340	186	20
- 200	200	13	780	75	613	360	90	30	50	392	237	20
- 250	250	16	830	75	715	411	90	30	50	443	288	20
- 300	300	20	940	75	817	462	90	30	50	496	339	20
- 350	350	23	1,260	75	917	512	90	30	50	544	390	20
- 400	400	21	1,150	67	1,019	563	90	30	50	595	440	20
- 450	450	20	1,090	55	1,121	614	90	30	50	646	491	20
- 500	500	19	1,060	47	1,223	665	90	30	50	697	542	20
- 600	600	15	880	31	1,427	767	90	30	50	799	644	20
- 700	700	13	610	24	1,668	910	90	30	50	956	742	20
- 800	800	12	530	19	1,888	1,030	90	30	50	1,076	842	20



IBSW110 Series

Engineering Data & Dimensions

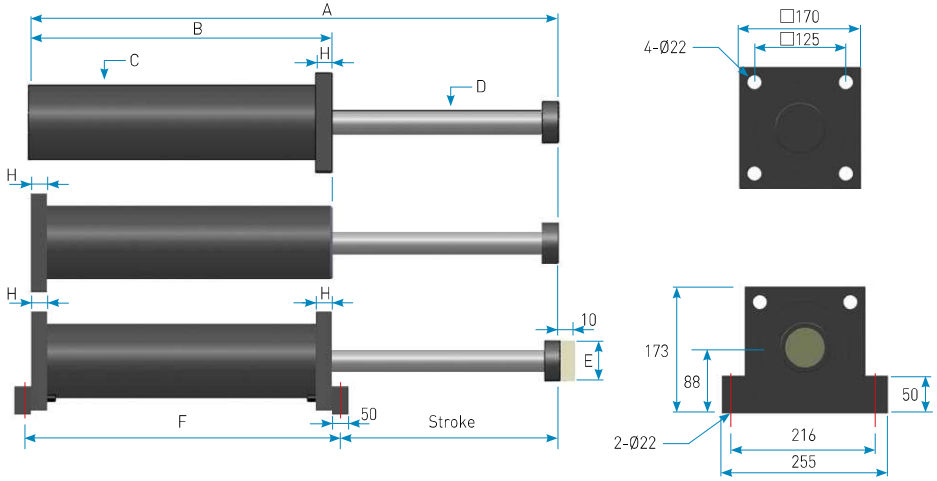
Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/hr) E_TC	Max.Buffer Force (kN) F_S	Dimension [unit:mm]							
					A	B	C	D	E	F	G	H
IBSW110 - 50	50	5	290	115	370	203	113	40	60	270	120	25
- 100	100	10	560	115	470	280	113	40	60	320	170	25
- 150	150	15	880	115	553	339	113	40	60	379	194	25
- 200	200	20	930	115	655	390	113	40	60	430	245	25
- 250	250	25	1,050	115	757	441	113	40	60	481	296	25
- 300	300	29	1,180	115	859	492	113	40	60	532	347	25
- 350	350	34	1,350	115	960	543	113	40	60	583	397	25
- 400	400	39	1,510	115	1,062	594	113	40	60	634	448	25
- 450	450	44	1,680	115	1,164	645	113	40	60	685	499	25
- 500	500	49	1,840	115	1,256	695	113	40	60	735	550	25
- 600	600	59	2,160	115	1,469	797	113	40	60	837	652	25
- 700	700	69	2,480	115	1,672	899	113	40	60	937	753	25
- 800	800	79	2,800	115	1,953	1,079	113	40	60	1,119	854	25
- 900	900	88	3,130	115	2,151	1,179	113	40	60	1,219	952	25
- 1000	1000	73	3,480	92	2,351	1,279	113	40	60	1,319	1,052	25
- 1200	1200	60	2,750	63	2,751	1,479	113	40	60	1,519	1,252	25
- 1400	1400	41	1,910	37	3,171	1,689	113	40	60	1,729	1,462	25



IBSW130 Series

Engineering Data & Dimensions

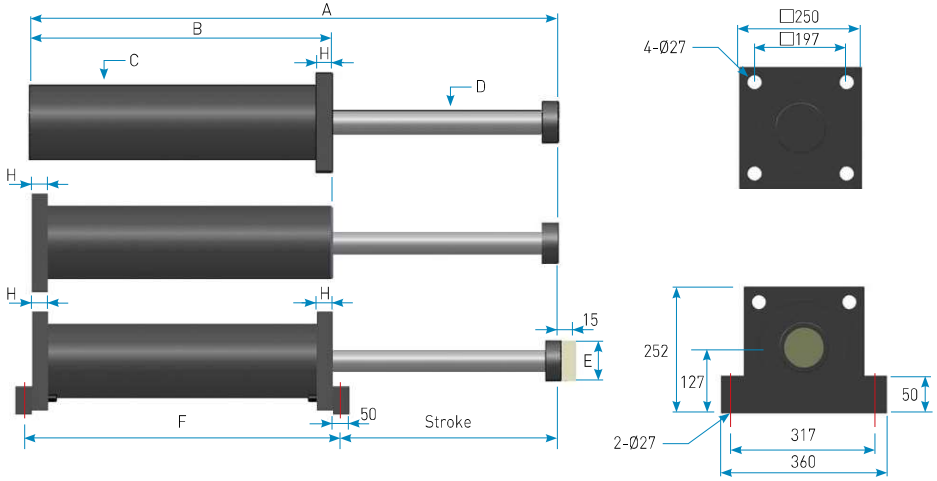
Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/hr) E_TC	Max.Buffer Force (kN) F_S	Dimension [unit:mm]							
					A	B	C	D	E	F	G	H
IBSW130 - 50	50	10	590	245	397	260	138	45	70	310	112	25
-75	75	15	650	245	447	285	138	45	70	335	137	25
-125	125	25	810	245	547	335	138	45	70	385	187	25
-200	200	39	1,110	245	697	410	138	45	70	460	262	25
-250	250	49	1,310	245	797	460	138	45	70	510	312	25
-300	300	58	1,510	245	898	511	138	45	70	561	362	25
-350	350	68	1,730	245	995	558	138	45	70	608	412	25
-400	400	78	1,930	245	1,097	609	138	45	70	659	463	25
-450	450	88	2,130	245	1,199	660	138	45	70	710	514	25
-500	500	97	2,320	245	1,301	711	138	45	70	761	565	25
-600	600	116	2,710	245	1,504	812	138	45	70	862	667	25
-700	700	136	3,100	245	1,707	914	138	45	70	964	768	25
-800	800	155	3,480	215	1,910	1,015	138	45	70	1,065	870	25
-900	900	167	3,780	181	2,156	1,164	138	45	70	1,214	967	25
-1000	1,000	117	3,820	147	2,356	1,264	138	45	70	1,314	1,067	25
-1200	1,200	103	4,720	107	2,756	1,464	138	45	70	1,514	1,267	25
-1400	1,400	73	2,850	66	3,156	1,664	138	45	70	1,714	1,467	25
-1500	1,500	66	2,430	55	3,384	1,778	138	45	70	1,828	1,581	25



IBSW200 Series

Engineering Data & Dimensions

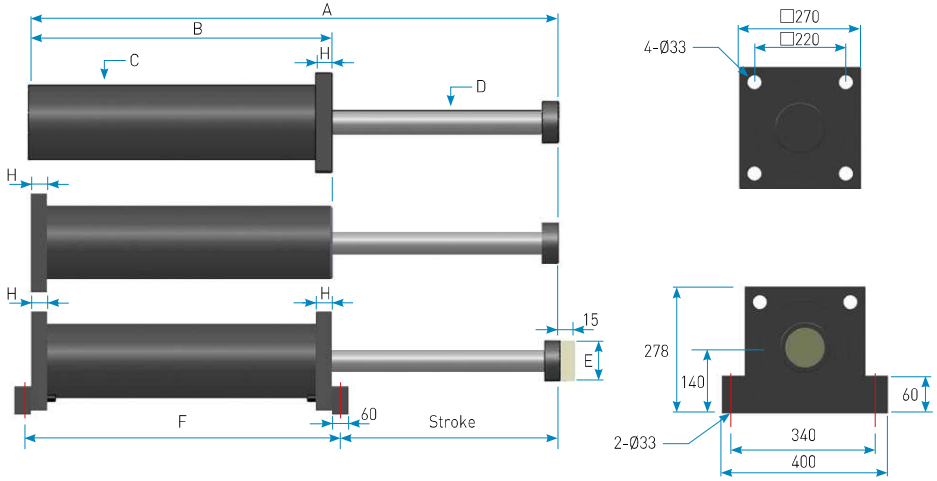
Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/hr) E_TC	Max.Buffer Force (kN) F_S	Dimension [unit:mm]							
					A	B	C	D	E	F	G	H
IBSW200 - 50	50	16	940	370	534	394	200	65	100	444	115	40
- 100	100	31	1,530	370	634	445	200	65	100	495	164	40
- 150	150	47	1,750	370	735	495	200	65	100	545	215	40
- 200	200	63	1,980	370	835	547	200	65	100	597	263	40
- 250	250	79	2,210	370	936	597	200	65	100	647	314	40
- 300	300	93	2,850	370	1,032	642	200	65	100	692	365	40
- 400	400	126	3,300	370	1,234	743	200	65	100	793	466	40
- 500	500	157	3,750	370	1,438	845	200	65	100	895	568	40
- 600	600	188	4,210	370	1,642	947	200	65	100	997	670	40
- 700	700	220	4,660	370	1,844	1,048	200	65	100	1098	771	40
- 800	800	251	5,110	370	2,048	1,150	200	65	100	1,200	873	40
- 900	900	283	5,560	370	2,252	1,252	200	65	100	1,302	975	40
- 1000	1,000	240	6,110	300	2,454	1,353	200	65	100	1,403	1,076	40
- 1200	1,200	210	4,920	200	2,854	1,553	200	65	100	1,603	1,276	40



IBSW220 Series

Engineering Data & Dimensions

Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/hr) E_TC	Max.Buffer Force (kN) F_S	Dimension [unit:mm]							
					A	B	C	D	E	F	G	H
IBSW220 - 100	100	48	1,800	560	591	375	215	80	125	435	186	40
- 150	150	72	2,050	560	693	426	215	80	125	486	237	40
- 200	200	96	2,290	560	795	477	215	80	125	537	288	40
- 250	250	120	2,530	560	895	527	215	80	125	587	338	40
- 300	300	143	2,750	560	997	578	215	80	125	638	389	40
- 400	400	191	3,260	560	1,201	680	215	80	125	740	491	40
- 500	500	239	4,230	560	1,504	882	215	80	125	942	592	40
- 600	600	287	4,740	560	1,708	984	215	80	125	1,044	694	40
- 700	700	334	5,200	560	1,910	1,085	215	80	125	1,145	795	40
- 800	800	382	5,690	560	2,114	1,187	215	80	125	1,247	897	40
- 1000	1,000	478	6,680	560	2,520	1,390	215	80	125	1,450	1,100	40
- 1200	1,200	417	6,250	435	2,920	1,590	215	80	125	1,650	1,300	40



IBSW275 Series

Engineering Data & Dimensions

Model	Stroke (mm)	Max. Energy / Cycle (Nm) E_T	Max. Energy / Hour (Nm/hr) E_TC	Max.Buffer Force (kN) F_S	Dimension [unit:mm]							
					A	B	C	D	E	F	G	H
IBSW275 - 100	100	78	2,440	915	637	391	275	100	160	461	211	50
- 150	150	117	2,760	915	737	441	275	100	160	511	261	50
- 200	200	156	3,050	915	839	492	275	100	160	562	312	50
- 250	250	194	3,370	915	941	543	275	100	160	613	363	50
- 300	300	233	3,760	915	1,043	594	275	100	160	664	414	50
- 400	400	311	4,300	915	1,246	696	275	100	160	766	515	50
- 500	500	389	4,930	915	1,450	798	275	100	160	868	617	50
- 600	600	467	6,180	915	1,769	1,015	275	100	160	1,085	719	50
- 750	750	583	7,110	915	2,073	1,167	275	100	160	1,237	871	50
- 900	900	700	8,040	915	2,379	1,320	275	100	160	1,390	1,024	50
- 1050	1,050	816	8,970	915	2,683	1,472	275	100	160	1,542	1,176	50
- 1200	1,200	790	8,060	827	2,989	1,625	275	100	160	1,695	1,329	50