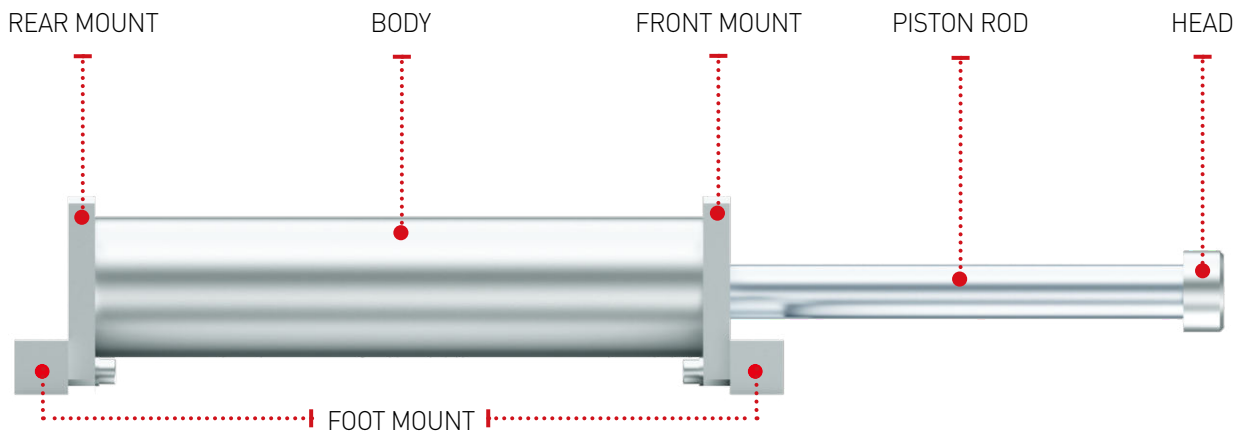


KCSC Series Stacker Crane Buffer

KCSC Series is Gas Return Type and its gas amount is designed to be relatively larger than oil amount, so it has low peak and low recoil force. Therefore, it operates with minimum resistance during normal operation and safely decelerates in case of emergency.

KCSC Series is mainly used for stacker crane of automated logistics system. It has standard products with Stroke up to 1,500mm and energy absorption capacity up to 800kJ, and other special specifications can be produced on the basis of order made. Also it follows industrial safety standards such as OSHA, AIST, CMMA, DIN, FEM, etc.



Feature

- Standard impact velocity : 3.8m/s
- Temperature ranges : Standard (-10~80°C), Special (-30~100°C)
- Return mediator : Nitrogen Gas
- Piston Rod : Hard Chrome (25µm or more)
- Body and Mount : Epoxy Paint Coatings

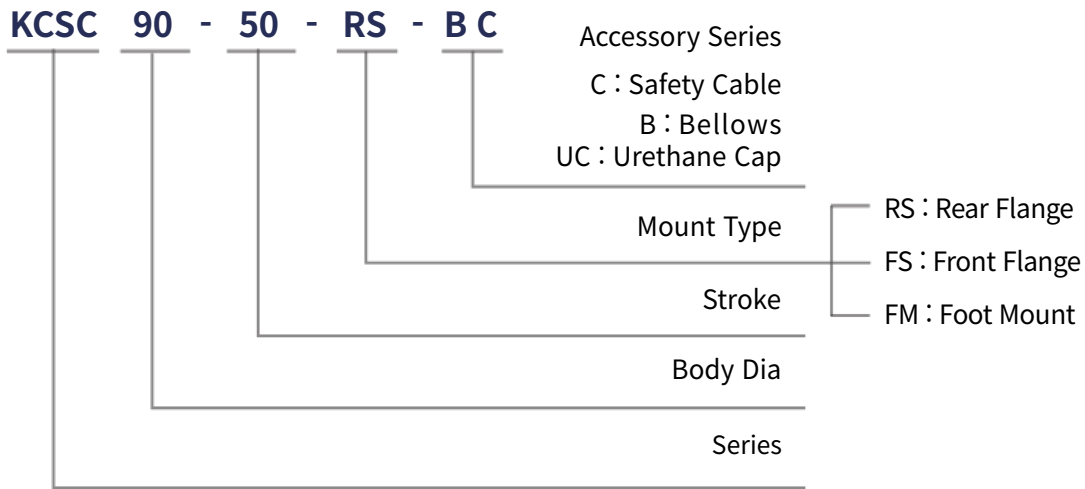
Application

- Stacker crane, amusement park, car production line, overhead crane, logistics warehouse automation system and all other areas of multi purposes.

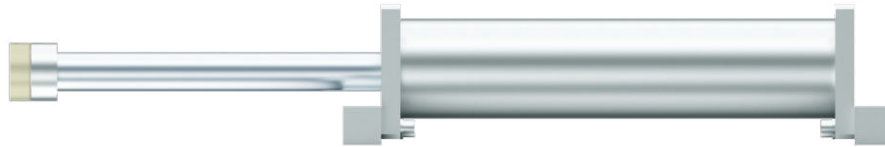
Options

- ✓ Protective Bellows
- ✓ Safety Cable
- ✓ Urethane Cap
- ✓ Mounting Plates
- ✓ Foot Mounts
- ✓ Sensor

KCSC Series Ordering Information



Special Type



Urethane Cap



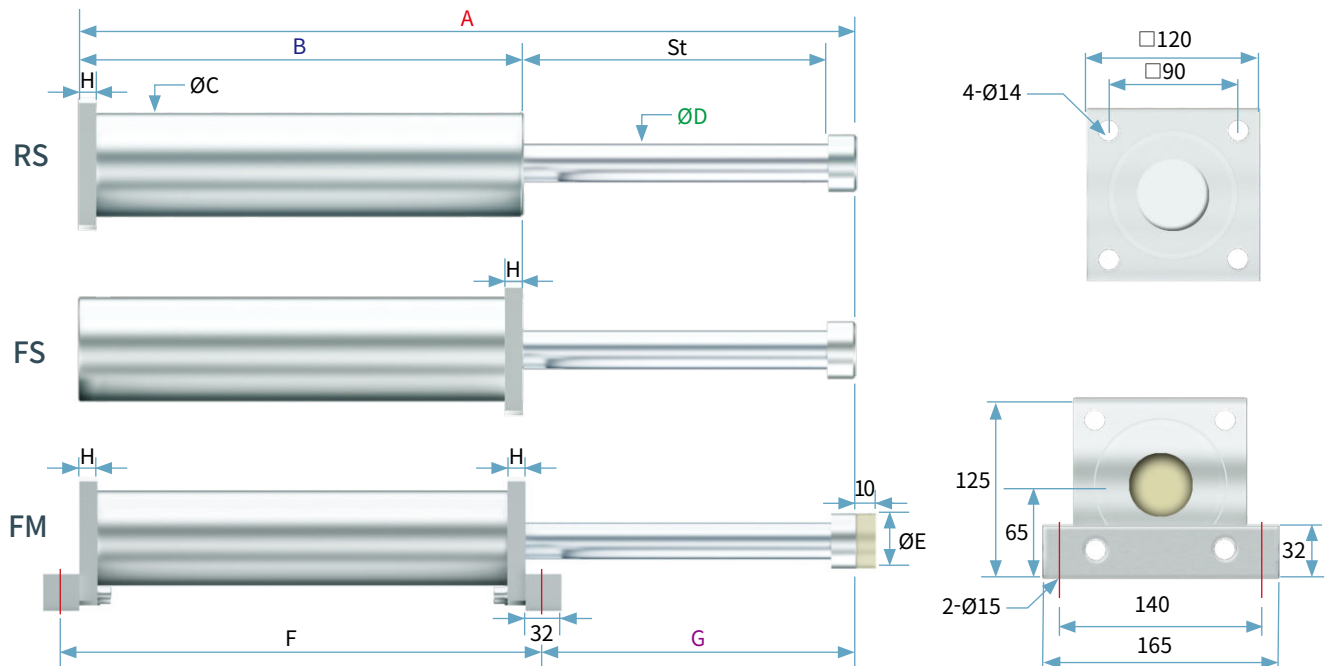
Sensor Type

Special Order

- Temperature : -30~100°C
- Special Coatings
- Body Chrome Plating
- Stainless Steel

KCSC Series Stacker Crane Buffer

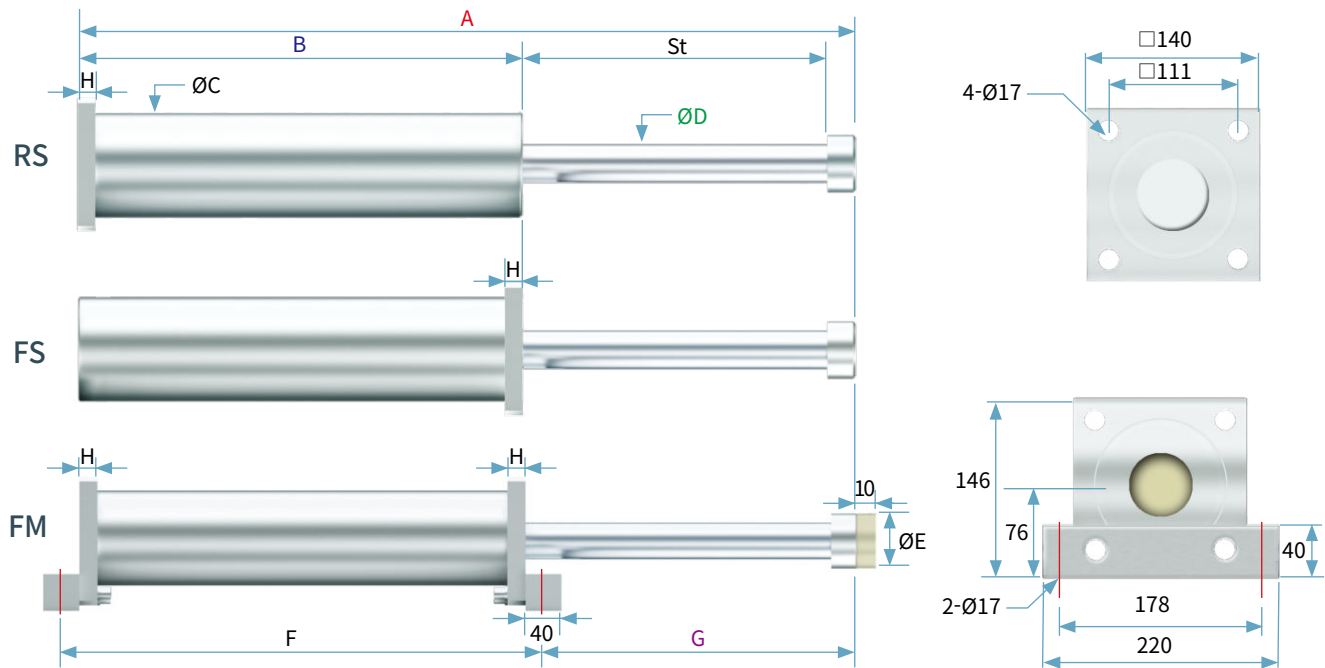
KCSC90 Series



Engineering Data

Model	Stroke (mm) St	Max. Energy /Cycle (kJ) E _T	Max. Energy /Hour (kJ/hr) E _T C	Max. Shock Force (kN) F _S	Dimension (unit : mm)							
					A	B	ØC	ØD	ØE	F	G	H
KCSC90-50	50	5	251	130	310	208	90	30	50	240	86	20
-100	100	10	514	130	410	258	90	30	50	290	136	20
-150	150	16	764	130	510	308	90	30	50	340	186	20
-200	200	21	1,019	130	613	360	90	30	50	392	237	20
-250	250	26	1,091	130	715	411	90	30	50	443	288	20
-300	300	31	1,222	130	817	462	90	30	50	494	339	20
-350	350	36	1,645	130	918	512	90	30	50	544	390	20
-400	400	42	1,495	130	1,019	563	90	30	50	595	440	20
-450	450	48	1,417	133	1,121	614	90	30	50	646	491	20
-500	500	52	1,378	131	1,223	665	90	30	50	697	542	20
-600	600	59	1,144	122	1,427	767	90	30	50	799	644	20
-700	700	66	793	118	1,668	910	90	30	50	942	742	20
-800	800	75	701	118	1,888	1,030	90	30	50	1,076	842	20

KCSC110 Series



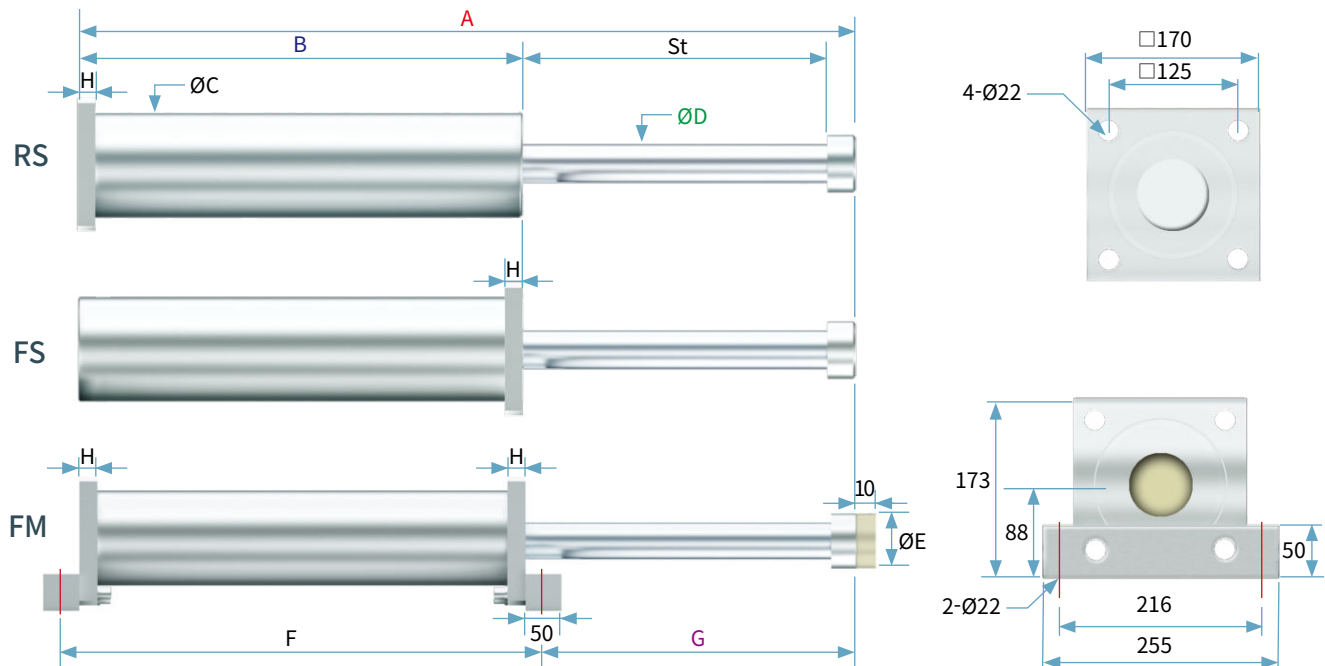
Hydraulic Buffer

Engineering Data

Model	Stroke (mm) St	Max. Energy /Cycle (kJ) E _T	Max. Energy /Hour (kJ/hr) E _T C	Max. Shock Force (kN) F _S	Dimension (unit : mm)							
					A	B	ØC	ØD	ØE	F	G	H
KCSC110-50	50	8	385	195	370	230	110	40	60	270	120	25
-100	100	14	738	179	470	280	110	40	60	340	170	25
-150	150	21	1,145	179	553	339	110	40	60	379	194	25
-200	200	29	1,214	179	655	390	110	40	60	430	245	25
-250	250	35	1,373	176	757	441	110	40	60	481	296	25
-300	300	43	1,542	179	859	492	110	40	60	532	347	25
-350	350	49	1,758	176	960	543	110	40	60	583	397	25
-400	400	57	1,972	179	1,062	594	110	40	60	634	448	25
-450	450	64	2,184	177	1,164	645	110	40	60	685	499	25
-500	500	72	2,399	179	1,265	695	110	40	60	735	550	25
-600	600	86	2,818	179	1,469	797	110	40	60	837	652	25
-700	700	99	3,231	176	1,672	899	110	40	60	939	753	25
-800	800	108	3,648	169	1,953	1,079	110	40	60	1,119	854	25
-900	900	114	4,069	159	2,151	1,179	110	40	60	1,219	952	25
-1000	1,000	117	4,528	146	2,351	1,279	110	40	60	1,319	1,052	25
-1200	1,200	125	3,585	130	2,751	1,479	110	40	60	1,519	1,252	25
-1400	1,400	135	2,492	121	3,171	1,689	110	40	60	1,729	1,462	25

KCSC Series Stacker Crane Buffer

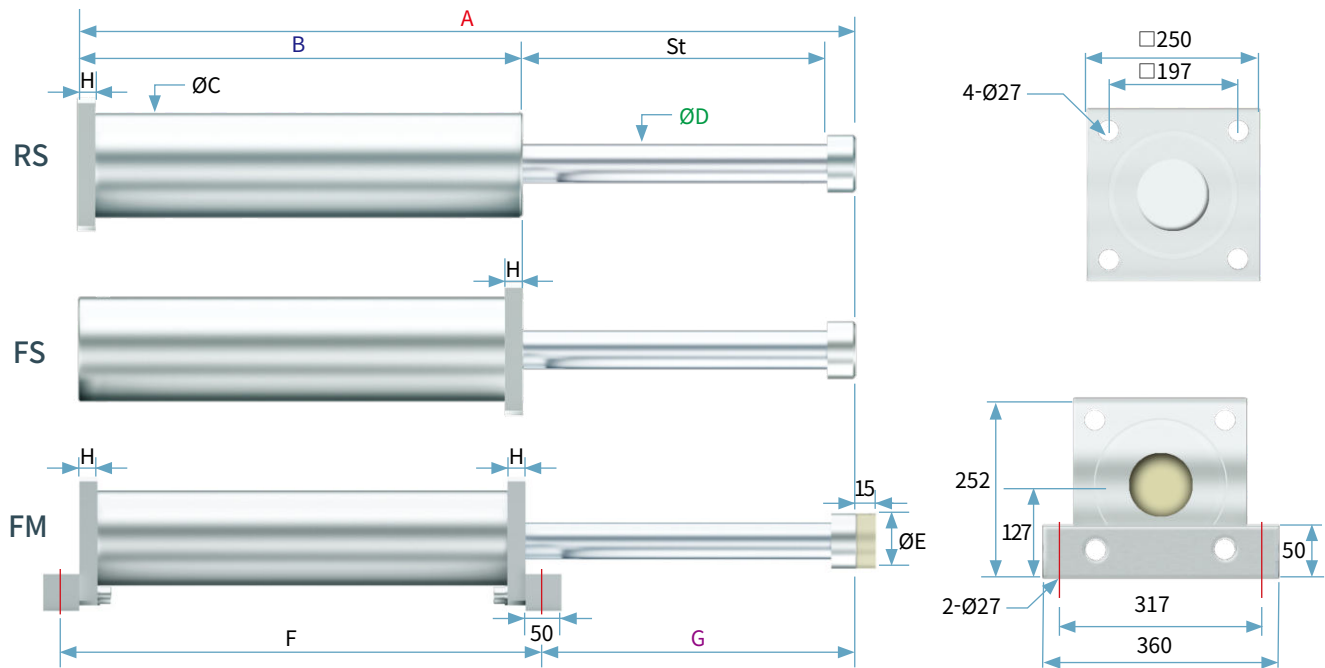
KCSC130 Series



Engineering Data

Model	Stroke (mm) St	Max. Energy /Cycle (kJ) E _T	Max. Energy /Hour (kJ/hr) E _T C	Max. Shock Force (kN) F _S	Dimension (unit : mm)							
					A	B	ØC	ØD	ØE	F	G	H
KCSC130-50	50	12	767	312	336	203	138	45	70	253	108	25
-75	75	19	857	312	387	229	138	45	70	279	137	25
-125	125	31	1,060	312	489	280	138	45	70	330	184	25
-200	200	50	1,443	312	640	355	138	45	70	405	260	25
-250	250	62	1,708	312	742	406	138	45	70	456	311	25
-300	300	75	1,966	312	844	457	138	45	70	561	362	25
-350	350	87	2,257	312	995	558	138	45	70	608	412	25
-400	400	100	2,514	312	1,097	609	138	45	70	659	463	25
-450	450	112	2,773	312	1,199	660	138	45	70	710	514	25
-500	500	122	3,028	306	1,301	711	138	45	70	761	565	25
-600	600	147	3,528	306	1,504	812	138	45	70	862	667	25
-700	700	178	4,033	318	1,707	914	138	45	70	964	768	25
-800	800	195	4,532	305	1,910	1,015	138	45	70	1,065	870	25
-900	900	208	4,921	289	2,156	1,164	138	45	70	1,214	967	25
-1000	1,000	228	4,971	284	2,356	1,264	138	45	70	1,314	1,067	25
-1200	1,200	244	6,139	255	2,756	1,464	138	45	70	1,514	1,267	25
-1400	1,400	254	3,706	226	3,156	1,664	138	45	70	1,714	1,467	25
-1500	1,500	267	3,169	222	3,384	1,778	138	45	70	1,828	1,581	25

KCSC200 Series



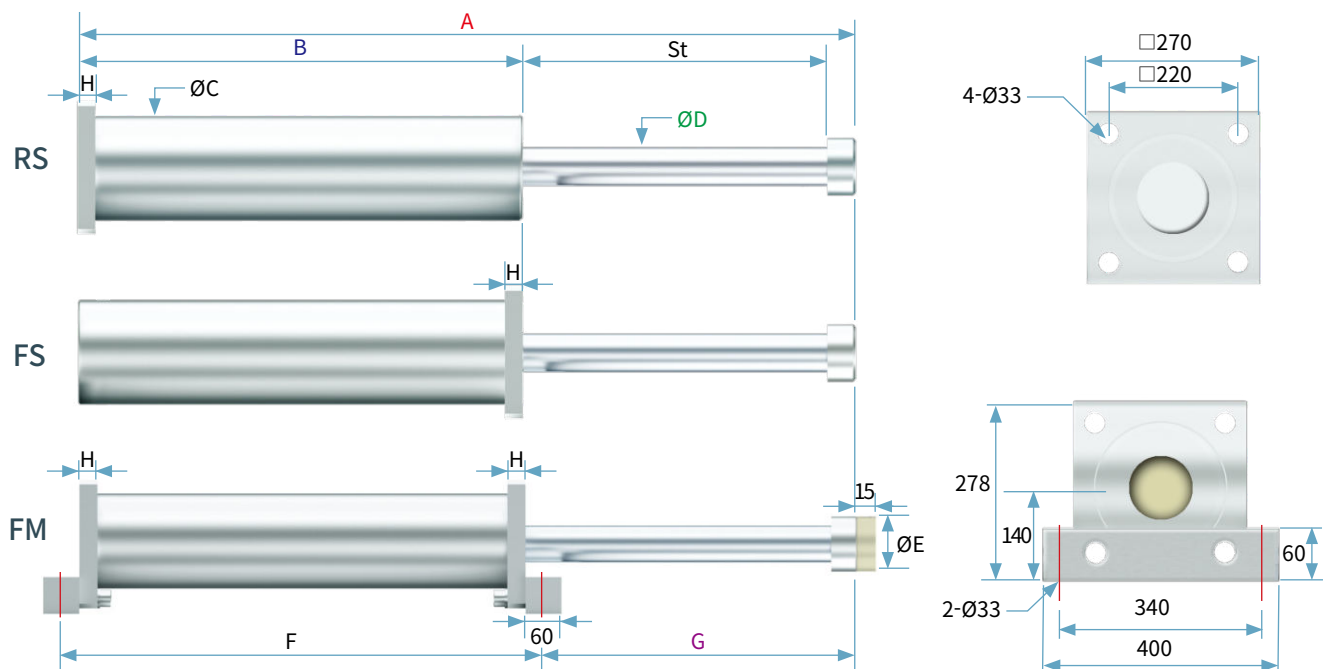
Hydraulic Buffer

Engineering Data

Model	Stroke (mm) St	Max. Energy /Cycle (kJ) E _T	Max. Energy /Hour (kJ/hr) E _T C	Max. Shock Force (kN) F _S	Dimension (unit : mm)							
					A	B	ØC	ØD	ØE	F	G	H
KCSC200-50	50	20	1,226	504	430	294	200	65	100	344	111	40
-100	100	40	1,994	504	532	345	200	65	100	395	162	40
-150	150	60	2,283	504	632	395	200	65	100	445	212	40
-200	200	81	2,584	504	735	447	200	65	100	497	263	40
-250	250	101	2,873	504	836	497	200	65	100	547	314	40
-300	300	121	3,712	504	1,032	642	200	65	100	692	365	40
-400	400	161	4,295	504	1,234	743	200	65	100	793	466	40
-500	500	202	4,885	504	1,438	845	200	65	100	895	568	40
-600	600	242	5,474	504	1,642	947	200	65	100	997	670	40
-700	700	282	6,059	504	1,844	1,048	200	65	100	1098	771	40
-800	800	322	6,648	504	2,048	1,150	200	65	100	1,200	873	40
-900	900	363	7,238	504	2,252	1,252	200	65	100	1,302	975	40
-1000	1,000	377	7,952	471	2,454	1,353	200	65	100	1,403	1,076	40
-1200	1,200	429	6,396	447	2,854	1,553	200	65	100	1,603	1,276	40

KCSC Series Stacker Crane Buffer

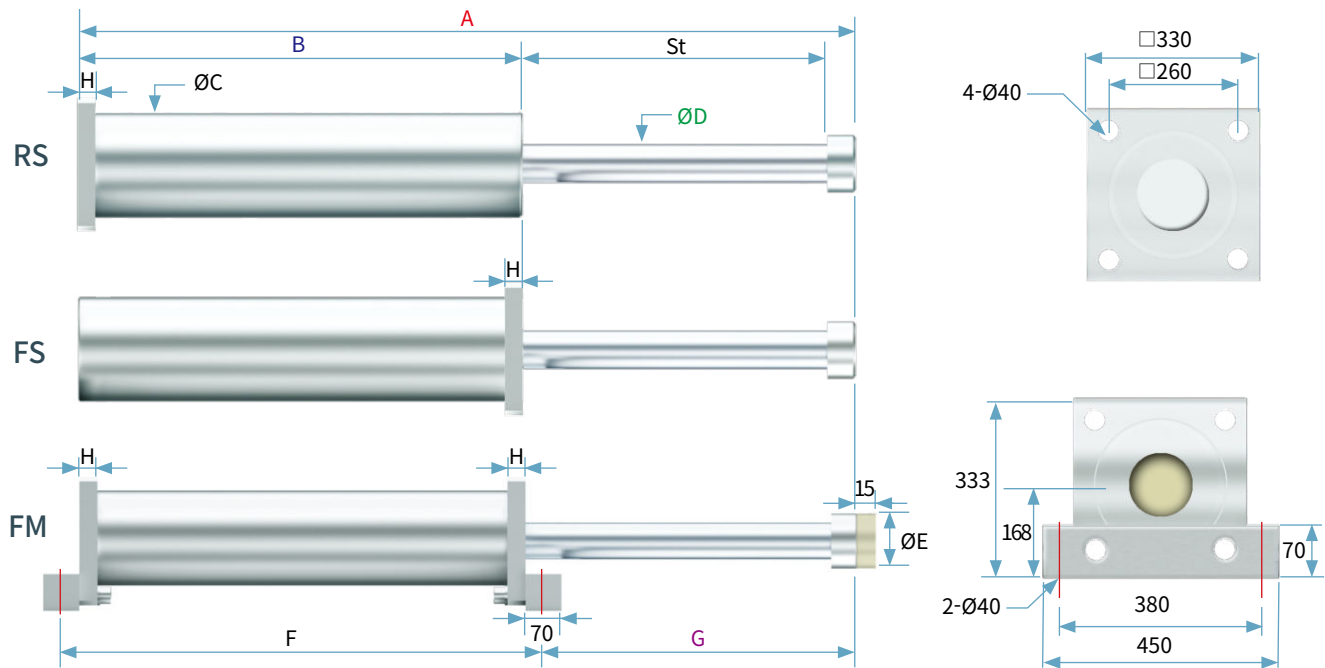
KCSC215 Series



Engineering Data

Model	Stroke (mm) St	Max. Energy /Cycle (kJ) E _T	Max. Energy /Hour (kJ/hr) E _T C	Max. Shock Force (kN) F _S	Dimension (unit : mm)							
					A	B	ØC	ØD	ØE	F	G	H
KCSC215-100	100	61	2,345	764	591	375	215	80	125	435	186	40
-150	150	92	2,666	769	693	426	215	80	125	486	237	40
-200	200	122	2,977	764	795	477	215	80	125	537	288	40
-250	250	166	3,289	832	895	527	215	80	125	587	338	40
-300	300	185	3,608	769	997	578	215	80	125	638	389	40
-400	400	244	4,245	764	1,201	680	215	80	125	740	491	40
-500	500	306	5,504	764	1,504	882	215	80	125	942	592	40
-600	600	368	6,163	766	1,708	984	215	80	125	1,044	694	40
-700	700	429	6,772	766	1,910	1,085	215	80	125	1,145	795	40
-800	800	488	7,409	762	2,114	1,187	215	80	125	1,247	897	40
-1000	1,000	608	8,693	761	2,520	1,390	215	80	125	1,450	1,100	40
-1200	1,200	697	8,132	726	2,920	1,590	215	80	125	1,650	1,300	40

KCSC275 Series



Hydraulic Buffer

Engineering Data

Model	Stroke (mm) St	Max. Energy /Cycle (kJ) E _T	Max. Energy /Hour (kJ/hr) E _T C	Max. Shock Force (kN) F _S	Dimension (unit : mm)							
					A	B	ØC	ØD	ØE	F	G	H
KCSC275-100	100	101	3,179	1,268	637	391	Ø275	100	160	461	211	50
-150	150	152	3,596	1,268	737	441	Ø275	100	160	511	261	50
-200	200	203	3,969	1,268	839	492	Ø275	100	160	562	312	50
-250	250	252	4,385	1,261	941	543	Ø275	100	160	613	363	50
-300	300	303	4,897	1,262	1,043	594	Ø275	100	160	664	414	50
-400	400	404	5,594	1,263	1,246	696	Ø275	100	160	766	515	50
-500	500	506	6,414	1,264	1,450	798	Ø275	100	160	868	617	50
-600	600	607	8,042	1,265	1,769	1,015	Ø275	100	160	1,085	719	50
-750	750	758	9,252	1,263	2,073	1,167	Ø275	100	160	1,237	871	50
-900	900	910	10,462	1,264	2,379	1,320	Ø275	100	160	1,390	1,024	50
-1050	1,050	1,061	11,661	1,263	2,683	1,472	Ø275	100	160	1,542	1,176	50
-1200	1,200	1,027	10,479	1,070	2,989	1,625	Ø275	100	160	1,695	1,329	50