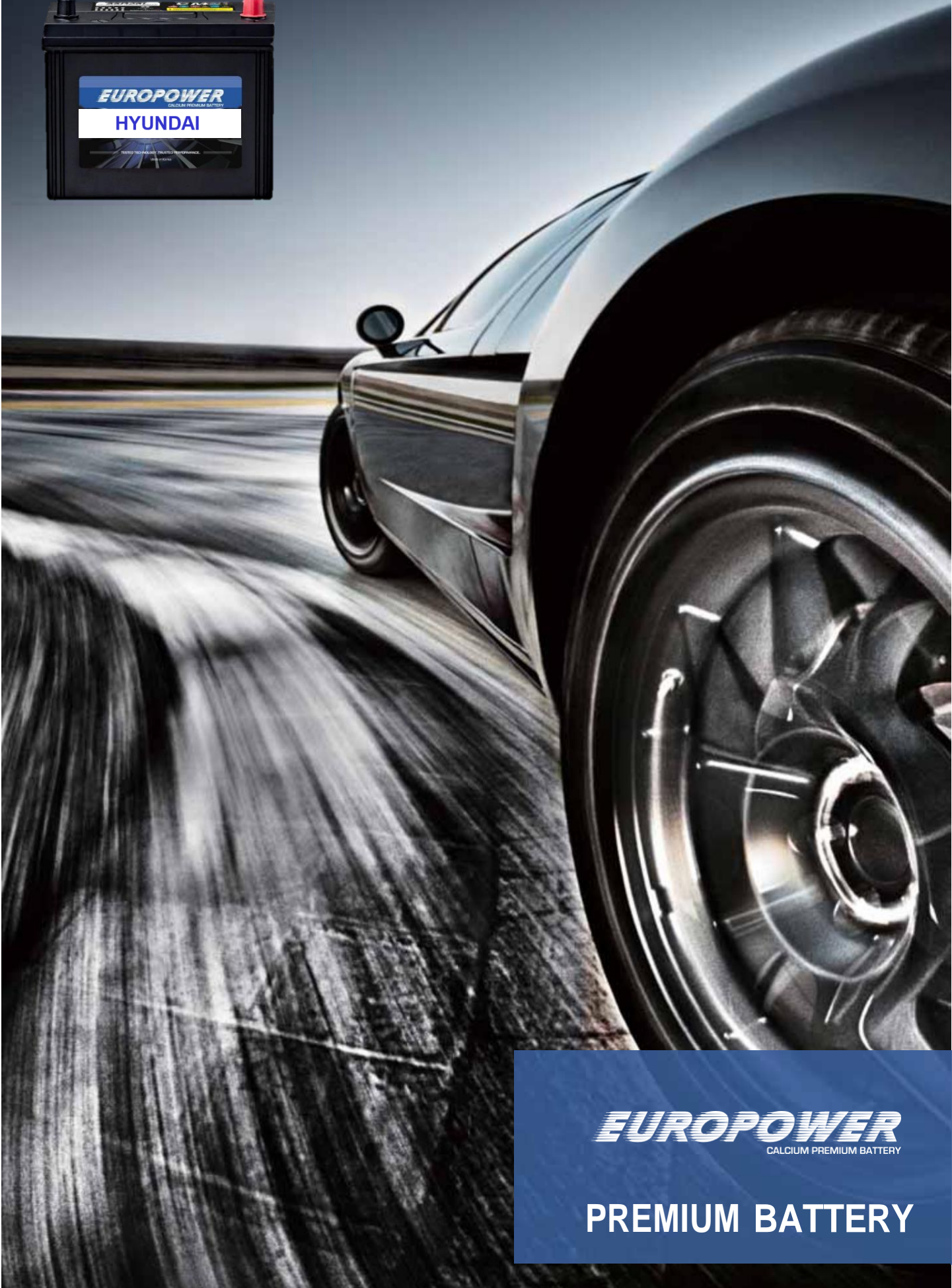


 HYUNDAI SUNGWO SOLITE



**EUROPOWER**  
CALCIUM PREMIUM BATTERY

**PREMIUM BATTERY**



## Battery We Consider High-Tech for Tomorrow





# JOURNEY of HYUNDAI SUNGWO SOLITE

- 1979 FEB** Kyungwon Industry CO., Ltd, founded
- 1981 FEB** Appointed as an official supplier of Hyundai Motor Company
- 1982 JUN** Acquired KS certification for automotive lead-acid batteries
- 1987 NOV** Awarded "\$10 million Export Tower Award"
- 1992 AUG** Central Technology Research Center founded
- 1993 NOV** "Jointly developed storage batteries for electric vehicles (Technical partnership with Ovonic)"
- 1994 NOV** Achieved ISO9001 certification
- 1994 DEC** Acquired UL certification for MF stationary lead-acid batteries
- 1997 NOV** Constructed battery plant in Gyeongju
- 2000 JAN** Renamed as Hyundai Enercell Co., Ltd.
- 2000 JUN** Sungwoo USA Corp. eestablished
- 2000 OCT** Acquired QS9000 certification
- 2003 NOV** Acquired ISO/TS16949 & ISO14001 certification
- 2009 JAN** Renamed as Sungwoo Automotive Co., Ltd.
- 2011 APR** Tokyo branch eastablished
- 2013 MAY** Renamed as Hyundai Sungwoo Automotive Korea Co., Ltd.
- 2015 MAR** Expanded in-house production capabilities
- 2015 MAY** Renamed as Hyundai Sungwoo Solite Co., Ltd.
- 2016 JUL** Awarded "The Proud the Most Valuable Product" for 3 consecutive years since 2014 presented by Korea Management Association
- 2019 MAR** "Awarded ""Brand Star"" , Korea's NO.1 valued brand among automotive batteries based on BSTI (Brandstock Top 0
- 2021 JUN** Gyeong-ju battery plant extension
- 2024 MAR** Awarded 'Korea's No.1 for Brand Value' in automotive battery category for 6 consecutive years
- 2024 SEP** Awarded 'Brand of the Year 2024' in automotive battery presented by Korea Consumer Forum for 5 Consecutive years

## Certificates



KS C 8504



IATF 16949



ISO 9001



ISO 14001



## Automotive Batteries AGM Series

Group	BCI Group	Type No.	Capacity	RC (Min.)	CCA	Dimension(mm)				Cell Lay-Out	Terminal	Hold-down
			20Hr (Ah)			L	W	H	TH			
DIN L2	47/H5	AGM60	60	100	640	242	174	189	189	0	A	B13
DIN L3	48/H6	AGM70	70	120	760	275	174	189	189	0	A	B13
DIN L4	94R/H7	AGM80	80	140	800	314	174	189	189	0	A	B13
DIN L5	49/H8	AGM95	95	160	850	351	174	189	189	0	A	B13

## Automotive Batteries EFB Series

Group	Type No.	Capacity	RC (Min.)	CCA	Dimension(mm)				Cell Lay-Out	Terminal	Hold-down
		20Hr (Ah)			L	W	H	TH			
JIS D23	EFB Q85R	60	120	560	230	172	200	220	1	A	B0/B1
	EFB Q85	60	120	560	230	172	200	220	0	A	B0/B1
	UEFB Q85R	65	125	620	230	172	200	220	1	A	B1
	UEFB Q85	65	125	620	230	172	200	220	0	A	B1

- Notice : The Specifications are subject to change with or without notice

## Automotive Batteries CMF JIS Series

JIS Group	JIS No.	Capacity	CCA (SAE)	RC (Min.)	Dimension(mm)				Cell Lay-Out	Terminal	Hold-down
	New	20Hr (Ah)			L	W	H	TH			
B19	40B19R	35	330	54	187	127	199	219	1	B	B0/W1
	40B19L	35	330	54	187	127	199	219	0	B	B0/W1
	42B19R	38	360	60	187	127	199	219	1	B	B0/W1
	42B19L	38	360	60	187	127	199	219	0	B	B0/W1
	50B19R	40	370	63	187	127	199	219	1	B	B0/W1
	50B19L	40	370	63	187	127	199	219	0	B	B0/W1
B24	55B24R	45	440	75	236	128	200	220	1	B	B0
	55B24L	45	440	75	236	128	200	220	0	B	B0
	55B24LS	45	440	75	236	128	200	220	0	A	B0
	65B24R	50	470	85	236	128	200	220	1	B	B0
	65B24L	50	470	85	236	128	200	220	0	B	B0
	CMF50AL	50	450	85	206	172	184	204	0	A	B1
	CMF60AR	60	470	90	230	172	184	204	1	A	B1
	CMF60AL	60	470	90	230	172	184	204	0	A	B1
D23	65D23R	60	450	90	230	172	200	220	1	A	B0/B1
	65D23L	60	450	90	230	172	200	220	0	A	B0/B1
	75D23R	65	550	110	230	172	200	220	1	A	B0/B1
	75D23L	65	550	110	230	172	200	220	0	A	B0/B1
D26	85D26R	70	620	130	260	172	200	220	1	A	B0/B1
	85D26L	70	620	130	260	172	200	220	0	A	B0/B1
D31	65D31R	70	600	130	301	172	200	220	1	A	B0/B1
	65D31L	70	600	130	301	172	200	220	0	A	B0/B1
	115D31R	92	760	165	301	172	200	220	1	A	B0/B1
	115D31L	92	760	165	301	172	200	220	0	A	B0/B1
	CMF100R	100	750	175	324	172	204	224	1	A	B1
E41	CMFN100	100	780	175	403	173	209	231	1	A	B0
	CMFN100L	100	780	175	403	173	209	231	0	A	B0

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## Automotive Batteries CMF EN(DIN) Series

DIN Group	Type No. (DIN)	Capacity	RC (Min.)	EN (CCA)	Dimension(mm)				Cell Lay-Out	Terminal	Hold-down
		20Hr (Ah)			L	W	H	TH			
LB1	CMF54316	43	70	440	208	174	174	174	0	A	B13
	CMF55016	50	75	460	208	174	174	174	0	A	B13
L2	CMF55559	55	95	480	242	174	189	189	0	A	B13
	CMF56219	62	105	520	242	174	189	189	0	A	B13
LB3	CMF56318	63	110	570	275	174	174	174	0	A	B13
	CMF57113	71	120	650	275	174	174	174	0	A	B13
L3	CMF57412	74	130	660	275	174	189	189	0	A	B13
LB4	CMF58014	80	155	700	314	174	174	174	0	A	B13
L4	CMF59042	90	170	680	314	174	190	190	0	A	B13
L5	CMF60038	100	170	780	351	174	189	189	0	A	B13
L6	CMF61042	110	205	850	392	174	189	189	0	A	B13

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## Commercial Batteries HD series




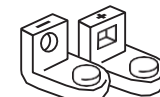








Group	PART NO.	Capacity	CCA (EN/SAE)	Dimension(mm)				Cell Lay-Out	Terminal	Hold-down
		20Hr (Ah)		L	W	H	TH			
F51	CMF120	120	850	503	182	208	230	4	A	B0
G51	CMF150	150	1000	503	216	208	230	4	A	B0
	CMF170	170	1050	503	216	208	230	4	A	B0
H52	CMF200	200	1100	503	261	217	239	4	A	B0

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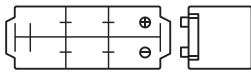
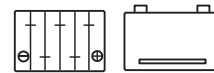
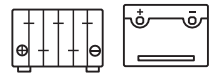
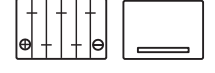
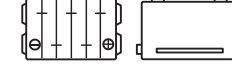
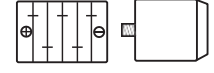

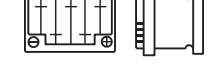
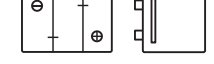


# Drawing

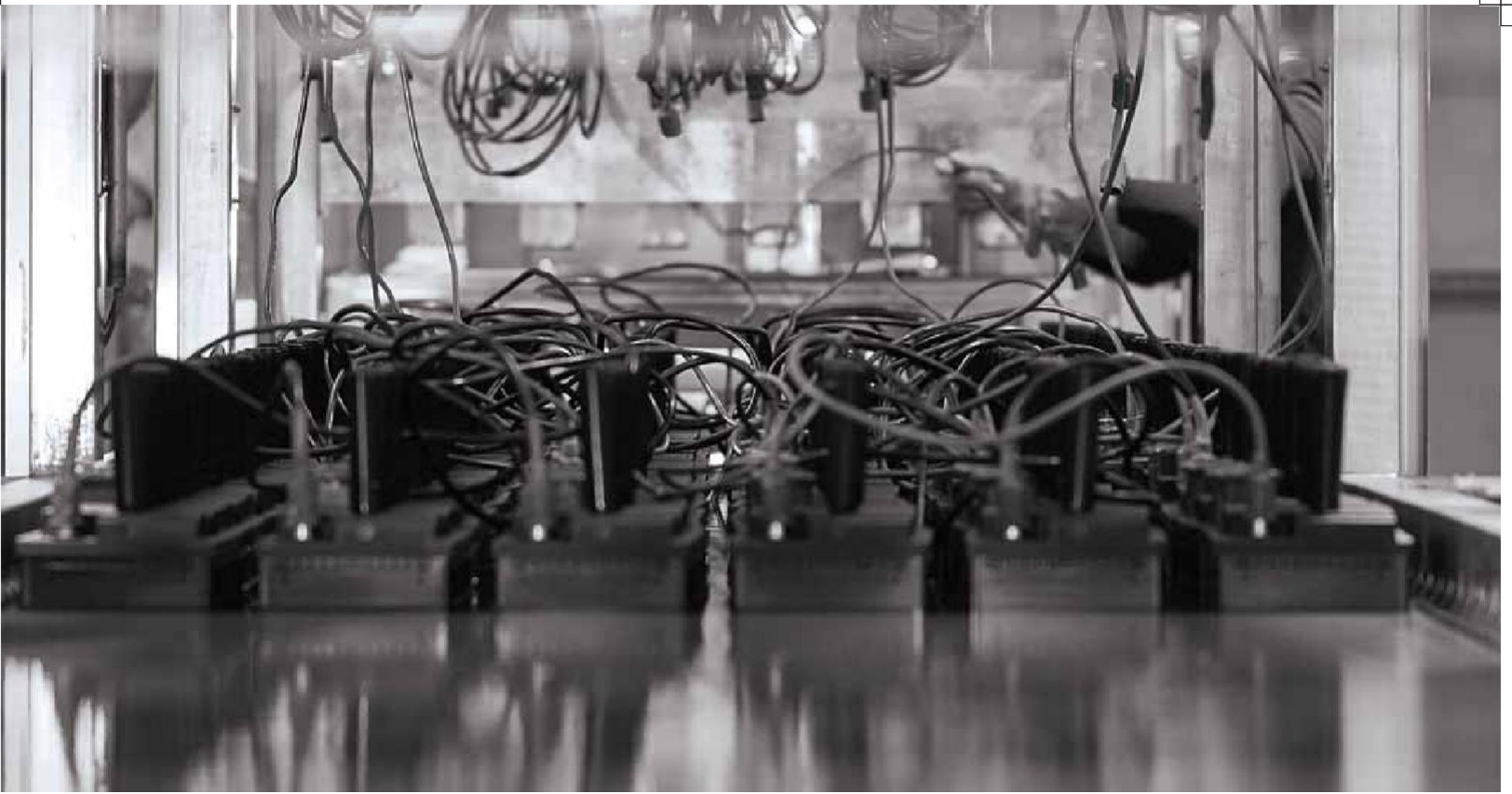
## Terminal

A  Standard	B  Small	C  Type BN	D  Type X
E  Ford Type	F  Type V(Marine)	G  Type T(Stud)	H  Side Type
I  Type L	J  Dual Fit Type	K  Marine Twin	L  U1 LUG

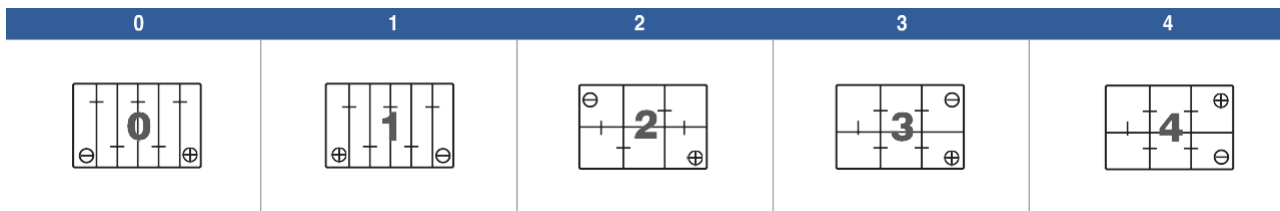
## BCI Assembly Numbers, Cell Lay-out

FIG.8 	FIG.11 	FIG.17 
FIG.10 	FIG.11F 	FIG.18 
FIG.10F 	FIG.15 	FIG.19 

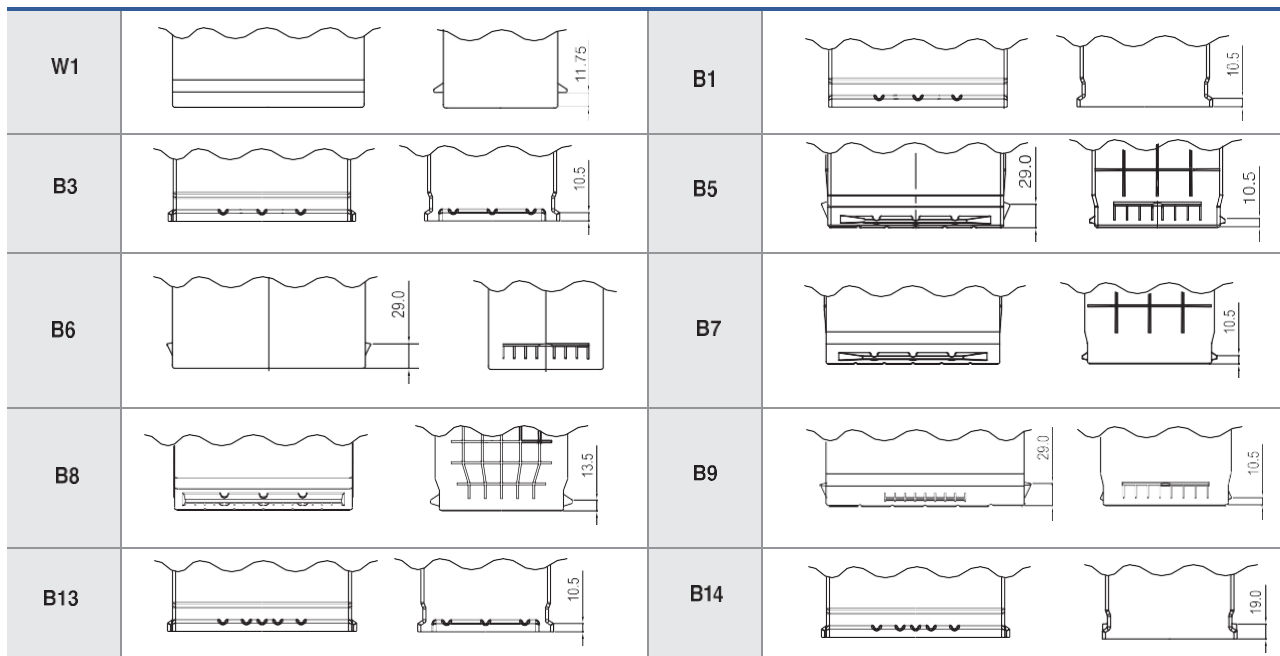
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### Cell Lay-out

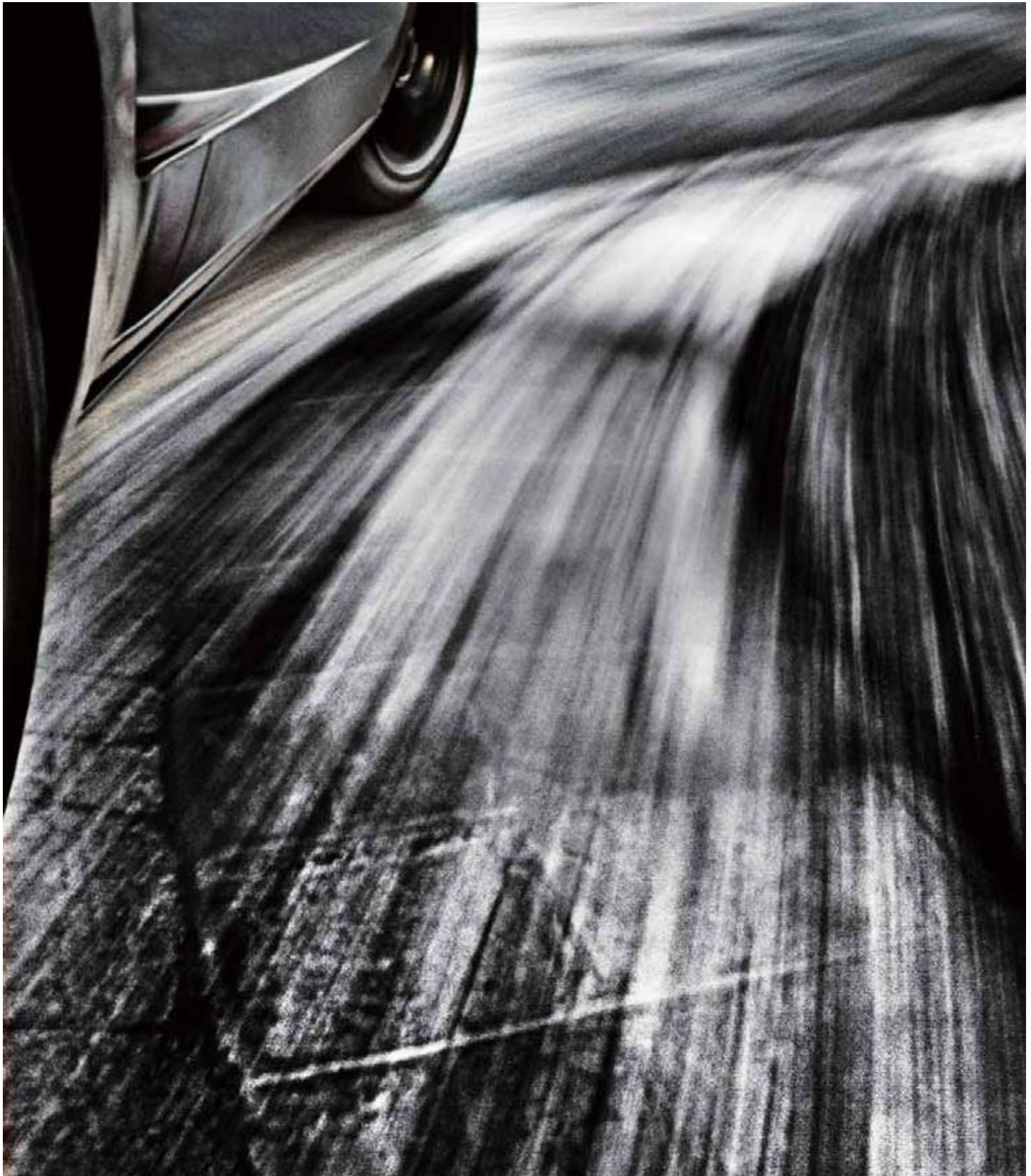


### Base Hold-Down



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