Technical data and air pressure recommendations

Tire size	Operating code						EU tire label			Rim		Tire dimensions								Load capacity (kg) per axle at tire pressure[6] **(bar)** (psi)			
	Pattern	LI/SI[1]	PR	M+S	Speed Index and reference speed (km/h)	TT/ TL[2]	[3]	[4]	[5]	Rim-width	Min. distance between rim centers	Max. standard value in service		Actual value		Stat. radius	Rolling circumference	LI[1]	Tire fitment	7.5 (109)	8.0 (116)	8.5 (123)	9.0 (131)
												Width	Outer-Ø	Width + 1 %	Outer-Ø ± 1 %	± 1.5 %	± 2 %						
385/65 R 22.5	**HSC 1 XL**	164/ - K		M+S	K 110	TL	C	C	73	**11.75** 12.25		**405** 410	**1092**	**389** 394	**1072**	**495**	**3267**	164 160	S S	8640 7775	9100 8190	9550 8595	10000 9000
	HSC 1	160/ - K		M+S	K 110	TL	C	C	73														
	HTC 1	160/ - K		M+S	K 110	TL	D	C	73														
	HTC 1 ContiRe	160/ - K		M+S	K 110	TL	-	-	-														
445/65 R 22.5	**HTC 1**	169/ - K		M+S	K 110	TL	C	C	74	**13.00** 14.00		**472** 482	**1174**	**454** 464	**1150**	**524**	**3485**	169	S	10025	10555	11080	11600
295/80 R 22.5	**HSC 1**	152/148 K		M+S	K 110	TL	D	C	73	**8.25** 9.00	**326** 335	**302** 310	**1062**	**290** 298	**1044**	**487**	**3185**	152 148	S D	6420 11395	6760 12000	7100 12600	
	HDC 1	152/148 K		M+S	K 110	TL	D	C	74														
315/80 R 22.5	**HSC 1**	156/150 K	18	M+S	K 110	TL	D	C	73	**9.00** 9.75	**351** 360	**318** 326	**1096**	**312** 320	**1076**	**500**	**3280**	156 150	S D	6910 12120	7280 12765	7640 13400	8000
	HDC 1	156/150 K		M+S	K 110	TL	D	C	74														
	HDC 1 ContiRe	156/150 K		M+S	K 110	TL	-	-	-														
11 R 22.5	**HSC 1**	148/145 K	16	M+S	K 110	TL	E	C	73	7.50 **8.25**	305 **314**	282 **290**	**1070**	271 **279**	**1050**	**489**	**3200**	148 145	S D	5695 10490	6000 11050	6300 11600	
12 R 22.5	**HSC 1**	152/148 K		M+S	K 110	TL	D	C	73	**8.25** 9.00	**329** 338	**304** 312	**1104**	**292** 300	**1084**	**504**	**3306**	152 148	S D	6420 11395	6760 12000	7100 12600	
	HDC 1	152/148 K		M+S	K 110	TL	E	C	74														
13 R 22.5	**HSC 1**	156/150 K		M+S	K 110	TL	D	C	73	**9.00** 9.75	**351** 360	**318** 326	**1146**	**312** 320	**1124**	**521**	**3428**	156 150	S D	6910 12120	7280 12765	7640 13400	8000
	HDC 1	156/150 K		M+S	K 110	TL	E	C	74														
325/95 R 24 (12.00 R 24)	**HSC 1**	162/160 K	20	M+S	K 110	TT	D	C	73	8.50 **9.00** 10.00	368 **374** 386	327 **332** 342	**1252**	320 **325** 335	**1228**	**568**	**3745**	162 160	S D	8590 16280	9050 17145	9500 18000	
	HDC 1	162/160 K	20	M+S	K 110	TT	C	C	74														

Data acc. to DIN 7805/4, WdK-Guidelines 134/2, 142/2, 143/14, 143/25
1) Load index single/dual wheel fitment and speed symbol
2) TT = Tube Type, TL = Tubeless
3) Fuel efficiency
4) Wet grip
5) External rolling noise (db)
6) For tire pressures of 8.0 bar (116 psi) or greater, use valve slit cover plate

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The Future in Motion

More load. More volume. More value.
The Construction tire line.

HSC 1 / HDC 1 / HTC 1

Durability, high mileage, long service life – three features that now take you even further. Developed for mixed applications, these tires set new benchmarks in terms of tread pattern, compound and design. All in all, this means increased resistance to the extreme demands made by construction sites, plus enhanced economy of your vehicles.

HSC 1 HDC 1 HTC 1

HSC 1 / HDC 1 / HTC 1
Extreme challenges call for extreme durability.

HSC 1

› A 3- and 4-groove tread pattern for enhanced precision in both on- and off-road applications

HDC 1

› Advanced tread pattern developed for further improved traction

HTC 1

› Optimized tire design preserving the value of the casing, reduced stone trapping characteristics

HSC 1 / HDC 1 / HTC 1

By focusing on a specific goal, progress is made by consistently surpassing previous achievements. Here our aim is the same as yours – the ideal tire, both in terms of function and economy. The way to achieve this is via the highly successful Construction+ range, which has undergone further improvements. And here is how we have met the challenge.

Product highlights

The tread area

The toughness of the new on-/off-road compound:

› means increased resistance to cuts, chipping and chunking

› reduces the number, and most importantly the depth of any cuts and tears

› improves protection of the casing by keeping damage superficial

› results in substantially higher removal mileage, thanks to its great durability

The belt layer

The four-ply belt with a reinforced second and third belt ply:

› withstands highly concentrated pressure

› prevents fatigue fractures

› means enhanced traction characteristics through the stiffness of the overall structure

› protects the casing effectively and offers best retreadability

The tread patterns

Greater depth, more volume and an optimized design:

› result in considerably higher mileage with even wear

› ensure reliable grip and good handling both on and off the road

› improve the tire's self-cleaning characteristics and reduce stone-trapping (casing protection)

› combine high mileage with significant traction and optimum road suitability, whatever the weather conditions

The contour

The contour with its steeper sidewalls is dimensionally more stable and:

› provides greater resistance to deformation caused by radial forces

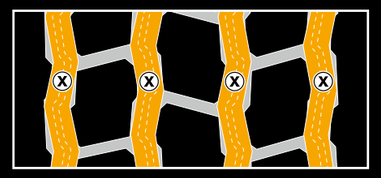
› minimizes compression of the sidewalls, even with heavier loads

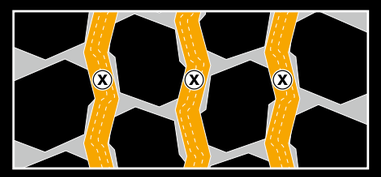
› counteracts premature material fatigue

› means greater load-carrying capacity and improved retreadability

Regrooving recommendations

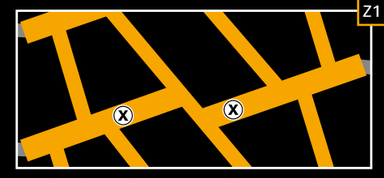
HSC 1

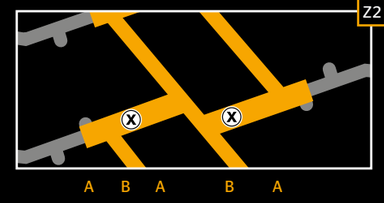




Size	Depth (mm)	Width (mm)
385/65 R 22.5	3.5	12
295/80 R 22.5	3.5	12
315/80 R 22.5	3.0	12
11 R 22.5	3.5	12
12 R 22.5	3.5	12
13 R 22.5	3.5	12

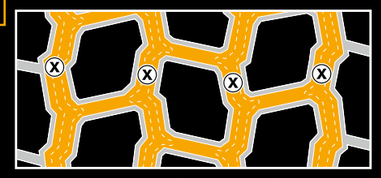
HDC 1





Size	Depth (mm)	Width (mm)
315/80 R 22.5[Z2]	3.5	A:12 B:7
12 R 22.5[Z1]	3.5	A:12 B:7
13 R 22.5[Z1]	3.5	A:12 B:7

HTC 1



Size	Depth (mm)	Width (mm)
385/65 R 22.5	3.5	A:10 B:7
445/65 R 22.5	3.5	A:10 B:7

"This tire was developed by Continental exactly for our mixed application needs. The new HSC 1 385/65 R 22.5 convinced us with very good handling combined with excellent traction."

Werner Speer
Head of Purchasing
DFA Transport und Logistik GmbH, Germany