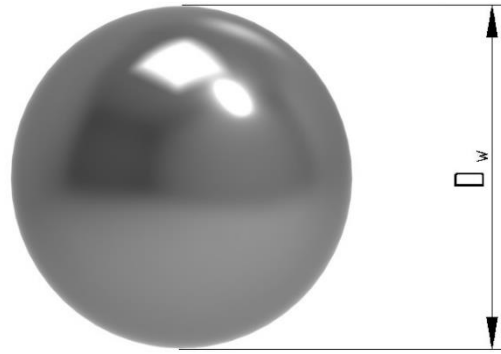


## BALLS – according DIN 5401 / ISO 3290



### MATERIAL, HARDNESS:

Bearing steel acc. DIN EN ISO 683-17

Standard material: 100Cr6 (1.3505)

On demand: hardening stainless steel, ceramic, synthetics, glas

Hardness acc.

DIN 5401

min. 740 HV10

### DIMENSION ACCURACY, ROUGHNESS:

Class (grade)	D <sub>w</sub> Nominal size [mm]		D <sub>w</sub> Limit dimension [μm]	Variation of ball-Ø [μm] max.	Roughness [Ra] max.	V D <sub>w</sub> L* [μm] max.	V D <sub>w</sub> A# [μm] max.	Variation range [μm]
	over	to						
G3	-	12,7	± 5,32	0,08	0,01	0,13	-	0,5
G5	-	12,7	± 5,63	0,13	0,014	0,25	-	1
G10	-	25,4	± 9,75	0,25	0,02	0,5	-	1
G16	-	25,4	± 11,4	0,4	0,025	0,8	-	2
G20	-	38,1	± 11,5	0,5	0,032	1	-	2
G28	-	50,8	± 13,7	0,7	0,05	1,4	-	2
G40	-	100	± 19	1	0,06	2	-	4
G80	-	100	± 14	2	0,1	-	4	4
G100	-	150	± 47,5	2,5	0,1	5	-	10
G200	-	150	± 72,5	5	0,15	10	-	10
G300	-	25,4	± 70	10	0,2	-	20	20
G300	25,4	50,8	± 105	15	0,2	-	30	30
G300	50,8	75	± 140	20	0,2	-	40	40
G500	-	25,4	± 75	25	-	-	50	50
G500	25,4	50,8	± 112,5	25	-	-	75	75
G500	50,8	75	± 150	25	-	-	100	100
G500	75	100	± 187,5	32	-	-	125	125
G500	100	125	± 225	38	-	-	150	150
G500	125	150	± 262,5	44	-	-	175	175
G600	alle		± 200	-	-	-	400	-
G700	alle		± 1000	-	-	-	2000	-

\*V D<sub>w</sub>L = Variation of ball-Ø in a batch

#V D<sub>w</sub>A = Variation of ball-Ø in a grade

Every specification has been edited and verified carefully. STI Bearings GmbH assumes no liability for potential errors or incompleteness. Technical modifications are subject of changes.  
© 2020 by STI Bearings GmbH  
Reproduction, even excerpts, only with our approval.