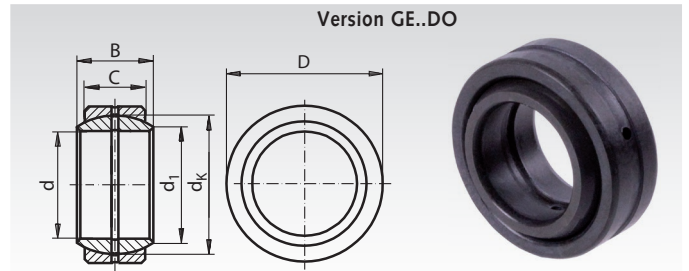


Spherical Bearings Series E, Steel, re-lubricateable

Material: Inner ring and bearing shell from bearing steel 100Cr6, hardened, ground and phosphated. Treated with molybdenum disulfide. Bearing shell (outer ring) cut.

- DIN ISO 12240-1 (DIN 648), series E (slim shape).
- Re-lubricateable (from size 15 with lubrication hole).
- Initial lubrication before use is required.
- Suitable for high, alternating loads.
- Sliding speed up to 60 m/min.



Ordering Details: e.g.: Product No. 633 606 00, Spherical Bearing, Series E, re-lubricateable, 6mm

Product No. Standard	d mm	B mm	C mm	D* mm	d ₁ mm	d _k mm	Tilting Angel α °	Weight g
633 606 00**	6 ^{-0,008}	6 ^{-0,12}	4 ^{-0,24}	14 ^{-0,008}	8,0	10	13	4
633 608 00**	8 ^{-0,008}	8 ^{-0,12}	5 ^{-0,24}	16 ^{-0,008}	10,2	13	15	7
633 610 00**	10 ^{-0,008}	9 ^{-0,12}	6 ^{-0,24}	19 ^{-0,009}	13,2	16	12	11
633 612 00**	12 ^{-0,008}	10 ^{-0,12}	7 ^{-0,24}	22 ^{-0,009}	14,9	18	11	17
633 615 00	15 ^{-0,008}	12 ^{-0,12}	9 ^{-0,24}	26 ^{-0,009}	18,4	22	8	26
633 616 00	16 ^{-0,008}	14 ^{-0,12}	10 ^{-0,24}	30 ^{-0,009}	20,7	25	10	40
633 617 00	17 ^{-0,008}	14 ^{-0,12}	10 ^{-0,24}	30 ^{-0,009}	20,7	25	10	40
633 620 00	20 ^{-0,010}	16 ^{-0,12}	12 ^{-0,24}	35 ^{-0,011}	24,1	29	9	64
633 625 00	25 ^{-0,010}	20 ^{-0,12}	16 ^{-0,24}	42 ^{-0,011}	29,3	35,5	7	115
633 630 00	30 ^{-0,010}	22 ^{-0,12}	18 ^{-0,24}	47 ^{-0,011}	34,2	40,7	6	149
633 635 00	35 ^{-0,012}	25 ^{-0,12}	20 ^{-0,24}	55 ^{-0,013}	39,7	47	6	228
633 640 00	40 ^{-0,012}	28 ^{-0,12}	22 ^{-0,24}	62 ^{-0,013}	45,0	53	7	318
633 645 00	45 ^{-0,012}	32 ^{-0,12}	25 ^{-0,24}	68 ^{-0,013}	50,7	60	7	421
633 650 00	50 ^{-0,012}	35 ^{-0,12}	28 ^{-0,24}	75 ^{-0,013}	55,9	66	6	562
633 660 00	60 ^{-0,015}	44 ^{-0,15}	36 ^{-0,30}	90 ^{-0,015}	66,8	80	6	1030
633 670 00	70 ^{-0,015}	49 ^{-0,15}	40 ^{-0,30}	105 ^{-0,015}	77,8	92	6	1570
633 680 00	80 ^{-0,015}	55 ^{-0,15}	45 ^{-0,30}	120 ^{-0,015}	89,4	105	6	2320

* Outer ring tolerance before cutting. ** Up to size 12 without lubrication bore. Technical tables page 636 - 637.

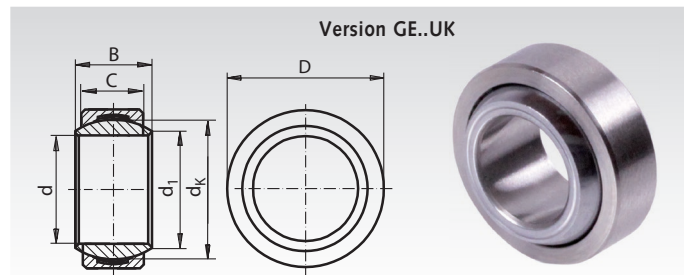
Spherical Bearings Series E, Steel or Stainless Steel, maintenance-free

Material standard: Inner ring bearing steel 100Cr6, hardened, ground, polished and hard chromed. Bearing shell from bearing steel, 100Cr6 with PTFE-lining. From size 35 in 2RS-version (sealed on both sides).

Material stainless: Inner ring stainless steel 1.4125 (from size 45 stainless steel 1.4112), hardened, ground and polished. Bearing shell stainless steel 1.4571, with PTFE-lining.



- DIN ISO 12240-1 (DIN 648), series E (slim shape).
- Maintenance-free.
- Suitable for high unidirectional load.
- Sliding speed up to 10 m/min.



Ordering Details: e.g.: Product No. 633 706 00, Spherical Bearing, Series E, maintenance-free, 6mm

Product No. Standard	Product No. Stainless	d mm	B mm	C mm	D mm	d ₁ mm	d _k mm	Tilting Angel α °	Weight g
633 706 00	633 997 06	6 ^{-0,008}	6 ^{-0,12}	4 ^{-0,24}	14 ^{-0,008}	8,0	10	13	4
633 708 00	633 997 08	8 ^{-0,008}	8 ^{-0,12}	5 ^{-0,24}	16 ^{-0,008}	10,2	13	15	7
633 710 00	633 997 10	10 ^{-0,008}	9 ^{-0,12}	6 ^{-0,24}	19 ^{-0,009}	13,2	16	12	11
633 712 00	633 997 12	12 ^{-0,008}	10 ^{-0,12}	7 ^{-0,24}	22 ^{-0,009}	14,9	18	11	17
633 715 00	633 997 15	15 ^{-0,008}	12 ^{-0,12}	9 ^{-0,24}	26 ^{-0,009}	18,4	22	8	26
633 716 00	633 997 16	16 ^{-0,008}	14 ^{-0,12}	10 ^{-0,24}	30 ^{-0,009}	20,7	25	10	40
633 717 00	633 997 17	17 ^{-0,008}	14 ^{-0,12}	10 ^{-0,24}	30 ^{-0,009}	20,7	25	10	40
633 720 00	633 997 20	20 ^{-0,010}	16 ^{-0,12}	12 ^{-0,24}	35 ^{-0,011}	24,1	29	9	64
633 725 00	633 997 25	25 ^{-0,010}	20 ^{-0,12}	16 ^{-0,24}	42 ^{-0,011}	29,3	35,5	7	115
633 730 00	633 997 30	30 ^{-0,010}	22 ^{-0,12}	18 ^{-0,24}	47 ^{-0,011}	34,2	40,7	6	149
633 735 00*	633 997 35	35 ^{-0,012}	25 ^{-0,12}	20 ^{-0,24}	55 ^{-0,013}	39,8	47	6	228
633 740 00*	633 997 40	40 ^{-0,012}	28 ^{-0,12}	22 ^{-0,24}	62 ^{-0,013}	45,0	53	7	318
633 745 00*	633 997 45	45 ^{-0,012}	32 ^{-0,12}	25 ^{-0,24}	68 ^{-0,013}	50,8	60	7	421
633 750 00*	633 997 50	50 ^{-0,012}	35 ^{-0,12}	28 ^{-0,24}	75 ^{-0,013}	56,0	66	6	532
633 760 00*	633 997 60	60 ^{-0,015}	44 ^{-0,15}	36 ^{-0,30}	90 ^{-0,015}	66,8	80	6	1030
633 770 00*	633 997 70	70 ^{-0,015}	49 ^{-0,15}	40 ^{-0,30}	105 ^{-0,015}	77,9	92	6	1570
633 780 00*	633 997 80	80 ^{-0,015}	55 ^{-0,15}	45 ^{-0,30}	120 ^{-0,015}	89,4	105	6	2320

* From size 35 in 2RS-version (sealed on both sides).

Technical tables page 636 - 637.