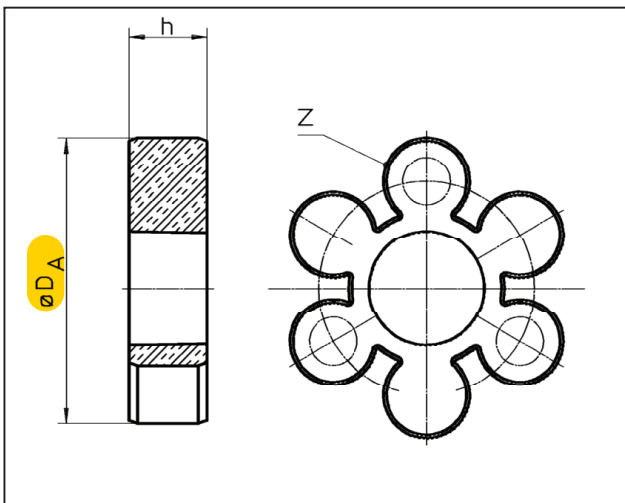


Coupling Marking and Storage

Marking of Buffer Rings

The buffer rings are marked on the face of one buffer element as follows:

- Coupling size and material abbreviation
(Pb for Perbunan, and Vk for Polyurethane)
 - Year of construction
- | | | | | |
|---|---|---|--|--|
| <ul style="list-style-type: none"> - Pb72 - Pb82 - VkB - VkR - Vk60D | <ul style="list-style-type: none"> = = = = = | <ul style="list-style-type: none"> buffer ring buffer ring buffer ring buffer ring buffer ring | <ul style="list-style-type: none"> of Perbunan, of Perbunan, of Polyurethane, of Polyurethane, of Polyurethane, | <ul style="list-style-type: none"> 72 Shore(A) / black 82 Shore(A) / black 83 Shore(A) / blue 93 Shore(A) / red 60 Shore(D) / white-beige |
|---|---|---|--|--|



Size	D_A [mm]	h [mm]	z
50	48	12	4
70	70	18	6
85	82	18	6
100	100	20	6
125	121	25	6
145	139	30	6
170	166	30	8
200	194	35	8
230	222	35	10
260	253	45	10
300	294	50	10
360	350	55	12
400	393	55	14

Storage

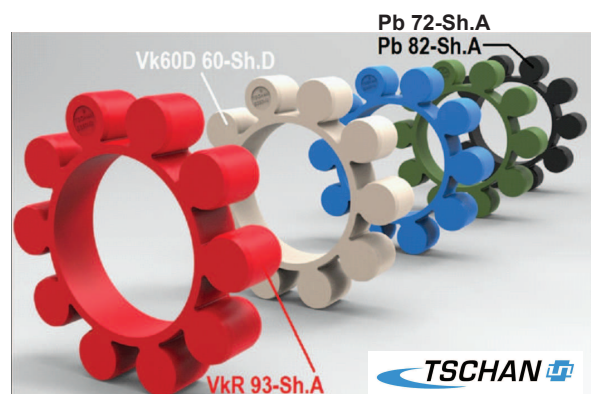
On receipt of the goods, immediately check that all parts are on hand and are as ordered. Eventual shipping damages and/or missing parts have to be reported in writing.

The coupling parts can be stored in the delivered state in a dry place under roof at normal ambient temperatures for a time period of 6 months. Storage for a longer period requires the application of a long-term preservation. (Please consult TSCHAN GmbH in this respect.) The buffer rings must not be exposed to ozonic media, direct sun light or intensive light sources with UV light. The air humidity should not exceed 65 %. If the parts are properly stored, the quality characteristics of the elastic buffer rings remains almost unchanged for up to three years.

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Technical installation instructions

Data overview

The technical data tables for the coupling types supplied in this catalogue include elastic elements that are available in different shore hardness values.

The higher the hardness of the elastic elements, the higher the torque transmission capability of the coupling and as a result the higher is the spring stiffness.

The rated torque T_{KN} listed in the tables is the torque that the coupling is capable of transmitting continuously.

The maximum torque T_{Kmax} is the torque that the coupling is able to transmit for short periods, e.g. during start-up.

Torsional vibration analyses (DSR) are performed by specialists to optimize the drive line. To this purpose, a detailed description of the oscillatory system is required, including the mechanical arrangement (spring-mass system) as well as the plant-related excitation functions. The specific coupling data such as stiffness, damping and mass moments of inertia will be supplied on request.



Größe Size	Drehmoment mit Puffer aus / Torque with following buffer							
	Pb72		Pb82		VkR		Vk60D	
	T_{KN} Nm	T_{Kmax} Nm	T_{KN} Nm	T_{Kmax} Nm	T_{KN} Nm	T_{Kmax} Nm	T_{KN} Nm	T_{Kmax} Nm
50	4	12	7,3	22	15	40	-	-
70	16	48	29	87	55	160	-	-
85	24	72	40	120	75	225	110	330
100	40	120	70	210	130	390	195	585
125	70	210	128	385	250	750	370	1110
145	120	360	220	660	400	1200	600	1800
170	180	540	340	1020	630	1900	950	2850
200	330	990	590	1770	1100	3300	1650	4950
230	500	1500	900	2700	1700	5150	2580	7740
260	800	2400	1400	4200	2650	7950	3980	11940
300	1180	3540	2090	6270	3900	11700	5850	17550
360	1940	5820	3450	10350	6500	19500	9700	29100
400	2670	8010	4750	14250	8900	26700	13350	40050

T_{KN} = Nenndrehmoment der Kupplung
Nominal torque of coupling

T_{Kmax} = Max. Drehmoment bei einteiliger Ausführung der Kupplung,
Max. torque of the coupling by one part design