

## Item description/product images



## Description

## Material:

Steel 1.1213.  
Stainless steel 1.4034.  
Stainless steel 1.4112.

## Version:

Steel, ground.  
Steel, ground and hard-chromed, chrome coating 5 - 10 µm.  
Stainless steel, ground.

The precision steel shafts are generally inductively surface hardened.

## Note:

The surface value obtained during the inductive hardening process guarantees high surface wear resistance.

Suitable for shaft supports 21565.

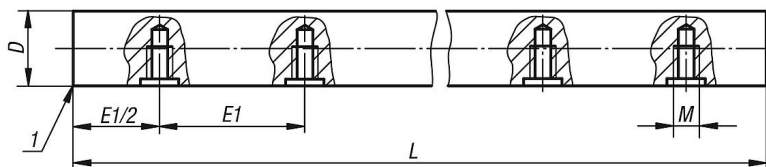
## Accessory:

Shaft supports 21565.

## Drawing reference:

1) chamfered

## Drawings



## Overview of items

| Order No.         | Material        | Surface finish body                     | Steel code | D    | E1  | L   | L max. | M   | Hardening depth max. | Surface hardness HRC |
|-------------------|-----------------|-----------------------------------------|------------|------|-----|-----|--------|-----|----------------------|----------------------|
| 21590-012375X0600 | steel           | hardened and ground                     | 1.1213     | 12h6 | 75  | 600 | 6200   | M4  | 0,6-1,0              | 62 ±2                |
| 21590-016500X0600 | steel           | hardened and ground                     | 1.1213     | 16h6 | 100 | 600 | 7200   | M5  | 0,6-1,5              | 62 ±2                |
| 21590-020500X0600 | steel           | hardened and ground                     | 1.1213     | 20h6 | 100 | 600 | 7200   | M6  | 0,9-1,5              | 62 ±2                |
| 21590-025600X0600 | steel           | hardened and ground                     | 1.1213     | 25h6 | 120 | 600 | 7800   | M8  | 0,9-1,7              | 62 ±2                |
| 21590-030750X0600 | steel           | hardened and ground                     | 1.1213     | 30h6 | 150 | 600 | 7800   | M10 | 0,9-1,7              | 62 ±2                |
| 21590-040100X0600 | steel           | hardened and ground                     | 1.1213     | 40h6 | 200 | 600 | 7800   | M10 | 1,5-2,0              | 62 ±2                |
| 21590-050100X0600 | steel           | hardened and ground                     | 1.1213     | 50h6 | 200 | 600 | 7800   | M12 | 1,5-2,6              | 62 ±2                |
| 21590-112375X0600 | steel           | hardened, ground and hard chrome-plated | 1.1213     | 12h7 | 75  | 600 | 6200   | M4  | 0,6-1,0              | 65 - 70              |
| 21590-116500X0600 | steel           | hardened, ground and hard chrome-plated | 1.1213     | 16h7 | 100 | 600 | 7200   | M5  | 0,6-1,5              | 65 - 70              |
| 21590-120500X0600 | steel           | hardened, ground and hard chrome-plated | 1.1213     | 20h7 | 100 | 600 | 7200   | M6  | 0,9-1,5              | 65 - 70              |
| 21590-125600X0600 | steel           | hardened, ground and hard chrome-plated | 1.1213     | 25h7 | 120 | 600 | 7800   | M8  | 0,9-1,7              | 65 - 70              |
| 21590-130750X0600 | steel           | hardened, ground and hard chrome-plated | 1.1213     | 30h7 | 150 | 600 | 7800   | M10 | 0,9-1,7              | 65 - 70              |
| 21590-140100X0600 | steel           | hardened, ground and hard chrome-plated | 1.1213     | 40h7 | 200 | 600 | 7800   | M10 | 1,5-2,0              | 65 - 70              |
| 21590-150100X0600 | steel           | hardened, ground and hard chrome-plated | 1.1213     | 50h7 | 200 | 600 | 7800   | M12 | 1,5-2,6              | 65 - 70              |
| 21590-212375X0600 | stainless steel | hardened and ground                     | 1.4034     | 12h6 | 75  | 600 | 4900   | M4  | 0,6-1,0              | 51 - 55              |
| 21590-216500X0600 | stainless steel | hardened and ground                     | 1.4034     | 16h6 | 100 | 600 | 4900   | M5  | 0,6-1,5              | 51 - 55              |
| 21590-220500X0600 | stainless steel | hardened and ground                     | 1.4034     | 20h6 | 100 | 600 | 4900   | M6  | 0,9-1,5              | 51 - 55              |
| 21590-225600X0600 | stainless steel | hardened and ground                     | 1.4034     | 25h6 | 120 | 600 | 4900   | M8  | 0,9-1,7              | 51 - 55              |
| 21590-230750X0600 | stainless steel | hardened and ground                     | 1.4034     | 30h6 | 150 | 600 | 4900   | M10 | 0,9-1,7              | 51 - 55              |

## Overview of items

| Order No.         | Material        | Surface finish<br>body | Steel<br>code | D    | E1  | L   | L<br>max. | M   | Hardening<br>depth<br>max. | Surface<br>hardness<br>HRC |
|-------------------|-----------------|------------------------|---------------|------|-----|-----|-----------|-----|----------------------------|----------------------------|
| 21590-240100X0600 | stainless steel | hardened and ground    | 1.4034        | 40h6 | 200 | 600 | 4900      | M10 | 1,5-2,0                    | 51 - 55                    |
| 21590-250100X0600 | stainless steel | hardened and ground    | 1.4034        | 50h6 | 200 | 600 | 4900      | M12 | 1,5-2,6                    | 51 - 55                    |
| 21590-312375X0600 | stainless steel | hardened and ground    | 1.4112        | 12h6 | 75  | 600 | 7800      | M4  | 0,6-1,0                    | 52-56                      |
| 21590-316500X0600 | stainless steel | hardened and ground    | 1.4112        | 16h6 | 100 | 600 | 7800      | M5  | 0,6-1,5                    | 52-56                      |
| 21590-320500X0600 | stainless steel | hardened and ground    | 1.4112        | 20h6 | 100 | 600 | 7800      | M6  | 0,9-1,5                    | 52-56                      |
| 21590-325600X0600 | stainless steel | hardened and ground    | 1.4112        | 25h6 | 120 | 600 | 7800      | M8  | 0,9-1,7                    | 52-56                      |
| 21590-330750X0600 | stainless steel | hardened and ground    | 1.4112        | 30h6 | 150 | 600 | 7800      | M10 | 0,9-1,7                    | 52-56                      |
| 21590-340100X0600 | stainless steel | hardened and ground    | 1.4112        | 40h6 | 200 | 600 | 7800      | M10 | 1,5-2,0                    | 52-56                      |
| 21590-350100X0600 | stainless steel | hardened and ground    | 1.4112        | 50h6 | 200 | 600 | 7800      | M12 | 1,5-2,6                    | 52-56                      |