

Technical Data Sheet  
Gearbox  
HELLICAL BEVEL



|                    |            |
|--------------------|------------|
| MODEL              | X33S       |
| Ø OUTPUT SHAFT     | 20 mm      |
| APPROXIMATE RATIO  | 50         |
| EXACT RATIO        | 50.68      |
| OUTPUT SPEED       | 29 RPM     |
| EXACT OUTPUT SPEED | 29 RPM     |
| INPUT POWER        | 0.37 KW    |
| INPUT ROTATION     | 1400 RPM   |
| INPUT PAM          | 71B5       |
| OUTPUT TORQUE      | 120.23 N.m |
| NOMINAL TORQUE     | 100.00 N.m |
| NOMINAL POWER      | 0.31 KW    |
| SERVICE FACTOR     | 0.84       |
| DYNAMIC EFFICIENCY | 0.94       |

#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.7   | 0.65  | 0.4   | 0.65  | 0.95  | 0.65  |

#### Radial and Axial Loads



| $n_2$ [min-1] | $F_A$ [N] | $F_R$ [N] |
|---------------|-----------|-----------|
| 250           | 400       | 2000      |
| 100           | 500       | 2500      |
| 50            | 560       | 2800      |
| 15            | 560       | 2800      |

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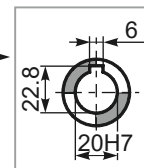
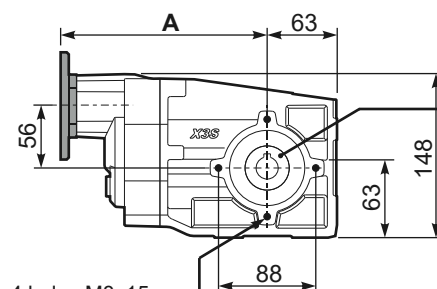
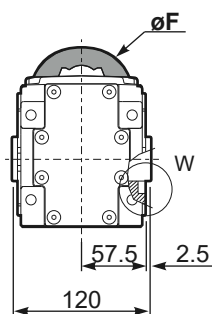
**P**X33SC...

Basic Gearbox  
Riduttore base

**Gearbox weight**  
peso riduttore

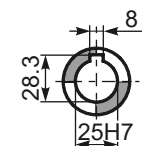
**6.55 kg**

| M. flanges   | Kit code   | øF  | A     |
|--------------|------------|-----|-------|
| <b>63B5</b>  | K050.4.041 | 138 | 189.5 |
| <b>71B5</b>  | K050.4.042 | 160 | 187   |
|              |            |     |       |
| <b>56B14</b> | KC40.4.049 | 80  | 187   |
| <b>63B14</b> | K050.4.047 | 90  | 189.5 |
| <b>71B14</b> | K050.4.045 | 105 | 187   |



### Standard

Hollow shaft



**On request**  
A richiesta

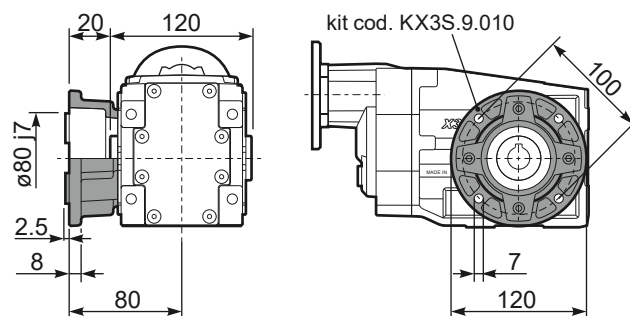
4 holes M8x15

**Mounting holes position**  
Posizione fori di montaggio

PX33S...**FB..**Feet  
Piedini

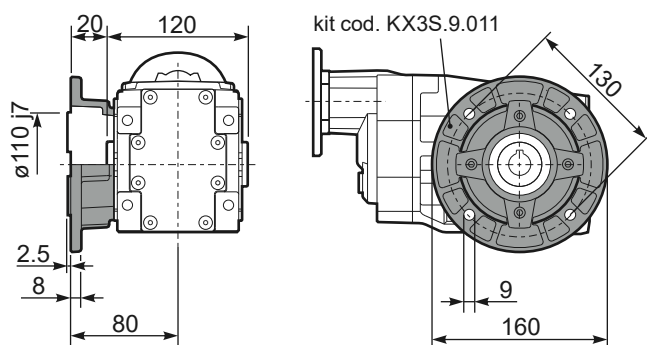
|                       |                                 |
|-----------------------|---------------------------------|
| PX33S... <b>F1</b> .. | Output flange<br>Flangia uscita |
|-----------------------|---------------------------------|

Flangia uscita



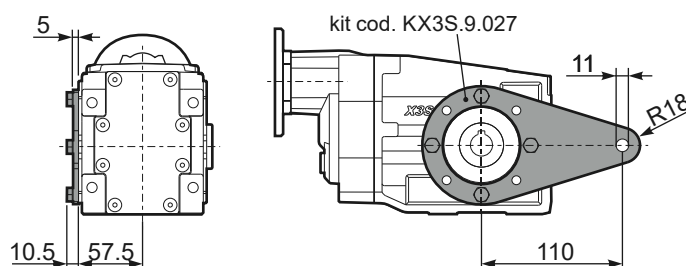
PX33S...**-F2..** Output flange  
Flangia uscita

Flangia uscita

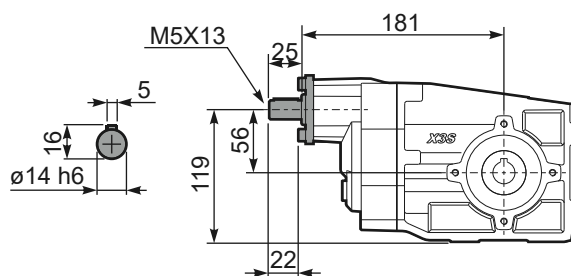


|                       |                                     |
|-----------------------|-------------------------------------|
| PX33S... <b>BR</b> .. | Reaction Arm<br>Braccio di reazione |
|-----------------------|-------------------------------------|

- Braccio di reazione

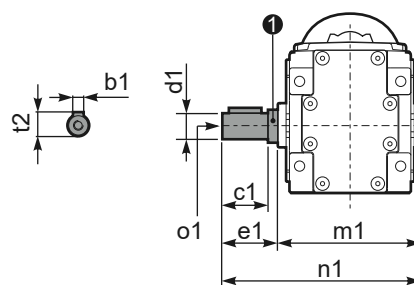
**RX33S...**

Input shaft  
Albero in entrata



PX33SA... Single output shaft  
Albero semplice in uscita

Single output shaft  
Albero semplice in uscita



| d1                               | b1 | c1   | e1   | m1    | n1  | t2   | o1    | ① kit code |
|----------------------------------|----|------|------|-------|-----|------|-------|------------|
| ø20 k6                           | 6  | 37.5 | 40   | 120   | 160 | 22.5 | M8x20 | KX2S.5.028 |
| ø25 <sup>-0.005<br/>-0.020</sup> | 8  | 60   | 63.2 | 126.8 | 190 | 28   | M8x20 | K063.5.028 |